15IHSSF1044

DocumentID	NONCD0002873
Site Name	NELLO TEER QUARRY-DENFIELD
DocumentType	Progress/Monitoring Rpt (PRGMON)
RptSegment	1
DocDate	8/18/2000
DocRcvd	2/20/2007
Box	SF1044
AccessLevel	PUBLIC
Division	WASTE MANAGEMENT
Section	SUPERFUND
Program	IHS (IHS)
DocCat	FACILITY

Det. limit 1ppb

GROUNDWATER MONITORING REPORT
Former Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina

Prepared for:

Hanson Aggregates
2300 Gateway Centre Boulevard
Morrisville, North Carolina 27560

Prepared by:

Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, North Carolina 27607

August 15, 2000

Quantum Project No: 0013-94-012

Quantum

Quantum Environmental, Inc.

August 18, 2000

Mr. Eric Rice, P.G.
North Carolina Department of Environment and Natural Resources
Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, N.C. 27699-1628

Re: Former Nello Teer Quarry
Denfield Street, Durham, NC
Semi-Annual Groundwater Monitoring Report
Quantum Project No. 0013-94-012

Dear Mr. Rice:

On behalf of Hanson Aggregates, Quantum Environmental, Inc. (Quantum) is submitting one original copy of the semi-annual groundwater monitoring report for the above referenced site in Durham, North Carolina.

If you have any questions or comments concerning this report or the site, please contact me at (919) 852-3595.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.

Charles C. Ross, P.G
Project Hydrogeologist

RECEIVED
AUG 22 2000
DEHNR RALEIGH REGIONAL OFFICE

L00-292:CCR

Attachment

cc: Mr. Steve Edgerton, P.G. Hanson Aggregates

6001 Chapel Hill Road Suite 108 Raleigh, North Carolina 27607 919.852.3595 919.852.1997 fax

Groundwater Monitoring Report
Former Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina
Durham County
Groundwater Incident #9357

Date of Report: August 15, 2000

Site Priority Ranking: 110B

Responsible Party:
Nello Teer Company
5013 Denfield Street
Durham, NC 27560
(919) 477-2413

Current Owner:
Hanson Aggregates
2300 Gateway Centre
Morrisville, NC 27560
(919) 380-2600

Consultant:
Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Release Information:

The soil and groundwater contamination by petroleum hydrocarbons appears to have originated from gasoline, diesel, and waste oil underground storage tanks (USTs) located at a former gas station on-site with multiple UST nests. Additional groundwater contamination, by chlorinated hydrocarbons, appears to have originated from an asphalt testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT).

Latitude: **36° 3.45' North** **Longitude:** **78° 53.10' West**

NORTH CAROLINA LICENSED SEAL 1267 GEOLOGIST CHARLES C. ROSS 8-15-00

Charles C. Ross, P.G.
Project Manager

Michael T. Melia, P. E.
President

TABLE OF CONTENTS

SECTION		PAGE
1.0	Background	1
	1.1 Site Location and History	1
2.0	Sampling Methodology	2
3.0	Sampling Results	2
	3.1 Discussion of Sampling Results, Chlorinated Solvent Plume	3
	3.2 Discussion of Sampling Results, Petroleum Residuals Plume	4
4.0	Remediation System Operation Summary	4
5.0	Conclusions and Recommendations	5

FIGURES:

Figure 1 . . . . . U.S.G.S. Topographic/Site Location Map
Figure 2 . . . . . Site Map/Well Location Map
Figure 3 . . . . . Potentiometric Surface Map, Shallow Aquifer
Figure 4 . . . . . Potentiometric Surface Map, Deep Aquifer
Figure 5 . . . . . Benzene Isoconcentration Map, Deep Aquifer
Figure 6 . . . . . Vinyl Chloride Isoconcentration Map, Shallow Aquifer
Figure 7 . . . . . 1,1,1 - Trichloroethane Isoconcentration Map, Shallow Aquifer
Figure 8 . . . . . 1,1 - Dichloroethene Isoconcentration Map, Shallow Aquifer

CHARTS:

Chart 1 . . . . . Contaminant Concentrations vs. Time for MW-20D
Chart 2 . . . . . Contaminant Concentrations vs. Time for MW-23
Chart 3 . . . . . Contaminant Concentrations vs. Time for MW-25

TABLES:

Table 1 . . . . . Historical Well Construction Details, Static Water Levels
Table 2 . . . . . Current Groundwater Laboratory Analytical Results, Shallow Aquifer
Table 3 . . . . . Current Groundwater Analytical Results, Deep Aquifer
Table 4 . . . . . Historic Monitoring Well Groundwater Analytical Results
Table 5 . . . . . Recovery Well Groundwater Analytical Results

APPENDICES:

Appendix A . . . . . Monitoring Well Laboratory Analytical Results and Chain of Custody
Appendix B . . . . . Recovery Well Laboratory Analytical Results and Chain of Custody

1.0 Introduction

On June 7 and 8, 2000, Quantum Environmental, Inc. (Quantum) personnel conducted groundwater sampling activities from selected monitoring wells at the former Nello Teer (Teer) Quarry yard in Durham, North Carolina. This was done in accordance with the active remediation Corrective Action Plan (CAP) submitted to the North Carolina Department of Environment, Health and Natural Resources (DEHNR), Raleigh Regional Office in 1995. This report presents the sampling methodologies, groundwater flow directions, current extent of contamination, analytical results provided by Environmental Laboratory Services (ELS), and recommendations. Recovery wells were also sampled on June 14 to better define the contaminant plumes.

1.1 Site Location and History

The Nello Teer - Durham Quarry is an inactive aggregate mining and processing facility located on Denfield Street (State Road 1641) in Durham County, North Carolina (Figure 1). The property has been in operation as a crushed stone quarry and asphalt plant since the 1940s; however, it is used for aggregate staging and equipment maintenance only, with no active mining still occurring. Groundwater contamination found in a water supply well designated W-1 prompted the issuance of a Notice of Violation from the North Carolina Division of Environmental Management (NCDEM) under the North Carolina Groundwater Standards (15 NCAC 2L) in November, 1993.

The soil and groundwater contamination by petroleum hydrocarbons appears to have originated from gasoline, diesel, and waste oil underground storage tanks (USTs) located at a former gas station on-site (multiple UST nests). Additional groundwater contamination, by chlorinated hydrocarbons, appears to have originated from an asphalt testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT). A Comprehensive Site Assessment Report, submitted by Geonetics, Inc. in 1993 indicated a large volume of contaminated soil and groundwater existed at the site, however, many of Geonetics' conclusions were based on field organic vapor analyzer results only and were not confirmed with laboratory analysis.

Quantum submitted a revised Corrective Action Plan (CAP) for soil and groundwater remediation along with applications for a permit to land apply hydrocarbon contaminated soils and a discharge permit (NPDES) for treated groundwater. The permits were both issued and the land application of contaminated soil was completed in 1997. Quantum completed construction and started up the groundwater remediation system in October, 1997. To date over 6.5 million gallons of groundwater have been recovered and treated by this remediation system.

There are currently nine monitoring wells for the shallow (water table) aquifer and eleven monitoring wells for the deep (semi-confined) aquifer at the site. In addition, there are nine recovery wells in place at the site. Four recovery wells are located near the old gas station on the southern portion of the site (RW-2, 3, 4 and 8), four are located at the site of the old asphalt plant on the northern portion of the site (RW-5, 6, 7, & 9), and one deep recovery well is located between the two source areas (RW-1). A well location map is presented in Figure 2. Eight monitoring wells make up the current groundwater monitoring well sampling network. Water level measurements

were also obtained from twelve additional older monitoring wells that are no longer in the sampling network.

2.0 Groundwater Sampling Methodology

Prior to collecting groundwater samples, water levels were measured in all monitoring wells using an electronic water level meter. The expansion plugs were removed from each well and enough time was allowed before collecting the measurements to permit the water level in the monitoring wells to equilibrate with the ambient atmospheric pressure. Depth of well measurements were also collected from the monitoring wells to be sampled, to determine the volume of groundwater in these wells. The measurements were collected to an accuracy of 0.01 feet and recorded in the field logbook.

In order to prevent cross contamination from one well to another while collecting water levels Quantum personnel donned new, clean, non-reactive gloves, of a chemical composition adequate for protection from the chemicals involved, prior to measuring each well. The electronic water level meter probe and tape were decontaminated following EPA protocol prior to collecting measurements from each well. Water level data from all wells are presented in Table 1.

All monitoring wells were purged by removing at least three well volumes of groundwater using new disposable bailers and new nylon rope. Purge water and decontamination water were disposed of on-site, through the remediation system. Upon allowing groundwater levels to equilibrate to or near static water levels after purging, water samples were collected from the following wells:

Shallow: MW-17, MW-18, MW-25 and MW-26;
Recovery wells RW-5, RW-6, and RW-7

Deep: MW-13, MW-15I, MW-20D and MW-23
Recovery wells RW-1, RW-2, RW-3, RW-4, RW-8 and RW-9

The samples were placed in labeled, laboratory prepared containers, stored on ice in a cooler, and transported under Chain of Custody to TestAmerica, a subcontract laboratory for Environmental Laboratory Services (ELS). Both ELS and TestAmerica are North Carolina certified laboratories. The samples were submitted for analysis by EPA Methods 601, 602, and 610, with the exception of the shallow monitoring wells which were sampled for 601/602 only. A copy of the laboratory results and Chain of Custody is included in Appendix A.

3.0 Sampling Results

Potentiometric data collected from the monitoring wells indicates that groundwater flow direction for the shallow aquifer is to the east/northeast with an average hydraulic gradient of 0.023. Water levels were generally higher than during the previous sampling event presumably due to slightly higher rainfall at the site prior to this sampling event. The groundwater flow direction for the deep

aquifer was determined to be to the west, towards the quarry pit, with an average hydraulic gradient of 0.05 ft/ft. Table 1 presents a summary of the water level data from the June, 2000 sampling event. Figures 3 and 4 present potentiometric maps of the shallow and deep aquifers, respectively.

3.1 Discussion of Sampling Results, Chlorinated Plume

Laboratory analytical results from the June, 2000 semi-annual sampling event indicate that levels of chlorinated hydrocarbons detected in the groundwater monitoring wells have decreased steadily since the December 1999 sampling event. Monitoring well MW-25 currently indicates that total chlorinated volatile organic compounds (CVOCs) are present at 815 ppb, with five constituents exceeding the 2L limits. MW-25 had shown significant decreases through June 1999, with a slight rebound in December 1999. The present decrease for MW-25 is a 40 percent reduction since December 1999 (last sampling event). The long-term decrease in chlorinated volatile organic contaminant concentrations in MW-25 indicate a decrease of approximately 88 percent from the peak levels observed in August/September 1995.

Chlorinated hydrocarbon concentrations in the vicinity of the former asphalt plant have shown moderate decreases in concentrations in the shallow aquifer, and have been detected in a new deep well installed since the December, 1999 sampling event. Recovery well RW-9 was installed in May 2000 to sample and recover the groundwater from the deep aquifer in the source area of the chlorinated plume. No deep well in the source area had been installed prior to this time. The results of the current sampling indicate that three compounds exceed the 2L Standards in the deep aquifer, with the highest concentrations being approximately ten times the referenced 2L Standard (with the exception of vinyl chloride). CVOC contamination in the deep aquifer is approximately one-fifth as severe as the shallow aquifer. Of the five monitoring wells that previously indicated the presence of vinyl chloride (MW-17, MW-18, MW-20D, MW-25 and MW-26), a final degradation product of chlorinated hydrocarbons, only two monitoring wells (MW-17 and MW-25) indicated detectable concentrations of vinyl chloride for the current sampling period. Three of the four recovery wells in this area continue to indicate elevated concentrations of vinyl chloride.

While the concentrations of all chlorinated compounds have consistently decreased across the site, contaminant plume maps for vinyl chloride, 1, 1, 1 - Trichloroethane and 1,1 - Dichloroethane have not shown any significant decrease in *areal* extent from the December 1999 maps.

Summaries of the current laboratory analytical results for the shallow and deep aquifers are presented in Tables 2 and Table 3, respectively. Figures 5 and 6 show the benzene and vinyl chloride plume maps, respectively, for the deep and shallow aquifers. Figures 7 and 8 show the 1,1,1-Trichloroethane, and 1,1-Dichloroethene plume maps, respectively, for the shallow aquifer. Table 4 provides the complete historical monitoring well data from 1993 through the current monitoring period. Overall, the site continues to exhibit a steady decrease in contaminant concentrations. A series of groundwater concentration versus time charts have been prepared indicating the decrease in groundwater concentrations for three representative monitoring wells at the site which have historically shown higher contaminant levels. The charts for these wells (MW-20D, MW-23 and MW-25) illustrate the trend towards asymptote for these wells, each of which

have historically shown the highest relative concentrations of chlorinated volatile organics or petroleum constituents for the shallow and/or deep aquifers.

3.2 Discussion of Sampling Results, Petroleum Plume

Laboratory analytical results from the June 2000 semi-annual sampling event indicate that, with the exception of MW-23, levels of petroleum hydrocarbons detected in the groundwater monitoring wells have decreased steadily since the December, 1999 sampling event. Concentrations in monitoring well MW-20D have stagnated at approximately the same level as the December, 1999 event while MW-23 showed an approximately 100 percent increase in total VOC/BTEX concentrations since December 1999. This may be attributable to the effect of increased recovery well pumping in this area since December 1999, and to the fact that levels of volatile organics are typically higher in the summer months and lower in the winter months. This type of seasonal variation is common at sites with volatile organic contamination.

Petroleum hydrocarbon levels in the vicinity of the former service station have shown moderate decreases in concentrations, and only trace concentrations have been detected in the deep aquifer since the December, 1999 sampling event. Of the three monitoring wells that previously indicated the presence of benzene (MW-20D, MW-23 and MW-15I), only MW-20D and MW-23 continue to show concentrations above the 2L Standards, and of these two only MW-23 is significantly above the 2L Standard. Four of the five petroleum plume recovery wells still contain elevated BTEX concentrations, the exception being RW-2 which no longer exhibits any elevated BTEX concentrations above the 2L Standards. RW-2 was taken out of service and RW-8 was brought into service in June 2000.

The groundwater pump in RW-4 was raised in early May 2000 to a shallower depth to better recover contaminated groundwater. The groundwater was subsequently resampled from this well in May 2000. BTEX concentrations rose from "non-detectable" earlier in 2000 to 19 ppb in early May 2000, demonstrating that resetting the pump enhanced the recovery effectiveness for RW-4.

As concentrations in MW-23 did not appear to be decreasing appropriately, an additional recovery well was installed in the vicinity of MW-23 in May 2000. This well, RW-8, was installed to a depth of 74 feet and subsequently brought into the active recovery network.

Concentrations in MW-23 appear to have risen substantially since the December 1999 sampling event. It is possible that the combined pumping operation of RW-3 and RW-8 may be drawing in additional contamination into the area, temporarily producing elevated results in this monitoring well. Alternatively, the elevated concentrations in MW-23 may be attributable to seasonal fluctuations. MW-23 has exhibited the highest concentrations of petroleum-related contaminants for some time.

The benzene concentration in MW-20D appears to have leveled off at 2.1 ppb, twice the 2L limit. As the adjacent deep recovery well (RW-1) has recently been restarted, the concentrations in this well should continue to decrease over time.

4.0 Remedial System Operation Summary

Operation of the remediation system for the period December 1999 through June 2000 continued with few interruptions. Since December 1999 two new recovery wells (RW-8 and 9) have been brought into the recovery well network, and one recovery well has been taken out of service (RW-2). A variety of scheduled and non-scheduled maintenance items were conducted on the system during the period, including filter replacements (bi-weekly on average), transfer pump repairs, flow switch replacements, recovery well pump replacement and repair, and replacement and troubleshooting of other remedial system items and components. To gauge the system's efficiency, composite samples were collected in late December 1999 of the influent and effluent water immediately before and after the air stripper. The influent composite sample indicated a mixture of petroleum and chlorinated constituents as expected, while no detectable compounds were identified in the effluent composite (pre-carbon). Thus, the air stripper appears to be removing contaminants effectively, with the carbon units acting as a final polishing agent as designed.

5.0 Summary and Recommendations

Based on measured groundwater levels in both the shallow and deep aquifers, the water table elevations have generally risen since the last sampling event. Neither the direction nor the gradient of groundwater flow have changed appreciably for the deep aquifer during the current monitoring period.

A significant decrease in groundwater contaminant concentrations (primarily benzene) in both RW-1 and MW-20D over the 12-month period from 6/99 to 6/00 indicates that the deep aquifer in the central portion of the site is nearing the remedial goal. For this reason, RW-1 was shut-off in February 2000 after analytical results indicated the petroleum constituents had apparently abated. Analytical results since February indicate that the levels of benzene have risen slightly above the 2L Standards in both RW-1 and MW-20D. Thus, groundwater recovery in RW-1 has recently been re-initiated.

Chlorinated hydrocarbon concentrations have continued to decrease at the site since December 1999. Concentrations of vinyl chloride, a degradation by-product of many of the chlorinated compounds, were detected in two monitoring wells and three recovery wells during the current monitoring event, although in lower concentrations than in December 1999. The current decrease in vinyl chloride concentrations represent a decrease of 15 to 60 percent in the chlorinated plume area. Both vinyl chloride and benzene concentrations have shown a significant decrease in monitoring well MW-20D since June 1999, with benzene the only contaminant currently detected.

Based on the results of the current semi-annual sampling event, Quantum recommends that operation of the groundwater remediation system continue. Quantum anticipates a continued reduction in contaminant levels as the system operates. The system currently treats between 100,000 and 250,000 gallons per month. At present, one of the five recovery wells in the petroleum area no longer exhibits concentrations of contaminants in excess of 2L Standards, and has

subsequently been taken out of the recovery network (RW-2). Selected recovery wells at the site were sampled in March and May 2000, and all the recovery wells were sampled during the current sampling period. The current results have been tabulated and included for review in Table 2 and 3, and the historical results are summarized in Table 5. The laboratory analytical report for the recovery wells is included in Appendix B.

To gauge the progress of cleanup over time, three representative monitoring wells were selected to track the reduction of contaminant concentrations over time. Charts for wells MW-20D, MW-23 and MW-25 were selected based on their relatively "high" initial contaminant levels, their location and their subsequent decrease in contaminant levels over time (the monitoring and remediation period 1993-2000). These wells each represent worst case past and present groundwater contaminant levels in relation to the 2L Standards for both petroleum and chlorinated compounds. These charts provide useful information by indicating the approach to either asymptote or zero concentrations for individual and total contaminants in both zones of contamination.

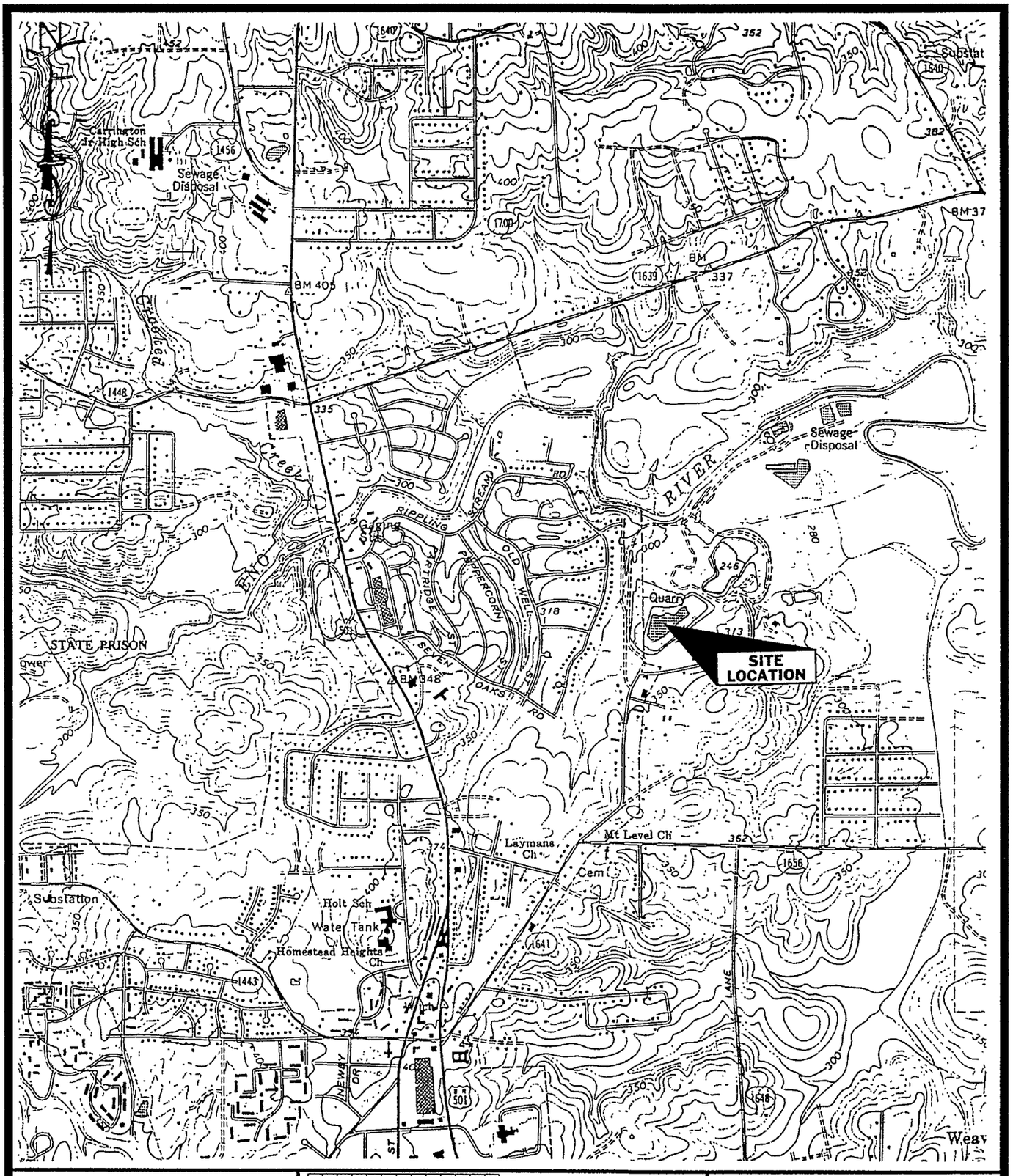
Recovery well RW-5 is expected to take considerably longer to reach remedial goals as laboratory analytical results indicate that chlorinated hydrocarbon concentrations seem to be decreasing at a much slower rate. Well pumps in RW-5 and RW-6 were recently replaced in an attempt to increase groundwater recovery rates in the chlorinated plume area. Recovery well RW-7 was also rehabilitated in June 2000 from damage to the well casing which occurred sometime in the mid 1990s, allowing filter pack sand to enter the interior of the casing and ruin the recovery pump. This well was recased with 4-inch ID well casing, and a new 4-inch well pump was installed. This well became operational on June 15, 2000. On June 22, floating oil product was discovered in recovered water from RW-7. Elevated concentrations of naphthalene were detected at that time (June 22nd), as well as free product. Free product has dissipated somewhat as groundwater recovery continues. RW-7 was resampled on July 6. Benzene and chloroethane were the only contaminants detected in the well at concentrations exceeding the 2L Standards when resampled on July 6, 2000.

Based on the results of the current sampling event in comparison with previous years' data, Quantum anticipates continued reductions in groundwater concentrations at the site.

To assist in further reductions in groundwater contaminant concentrations near MW-23 and MW-25, it is recommended that Oxygen Release Compound (ORC) socks be installed in MW-23 in order to accentuate bioremediation of stubborn remnant concentrations of petroleum compounds in the petroleum plume area. In addition, it is recommended that Hydrogen Release Compound (HRC) be injected into the area immediately surrounding MW-25 (4 injection points) to assist in reducing groundwater concentrations of CVOCs in this worst-case monitoring well. Contaminant concentrations in MW-25 are above the target remedial goals, and are not expected to reach remedial goals in a reasonable time frame without the introduction of some type of enhanced bioremediation tool or methodology. ORC socks could be installed at a cost of approximately $700.00 for a 12-month treatment period, while a one time HRC injection event would be expected to cost on the order of $4,800.00.

Figures

Figures



SITE LOCATION MAP

Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina

Quantum Environmental, Inc.

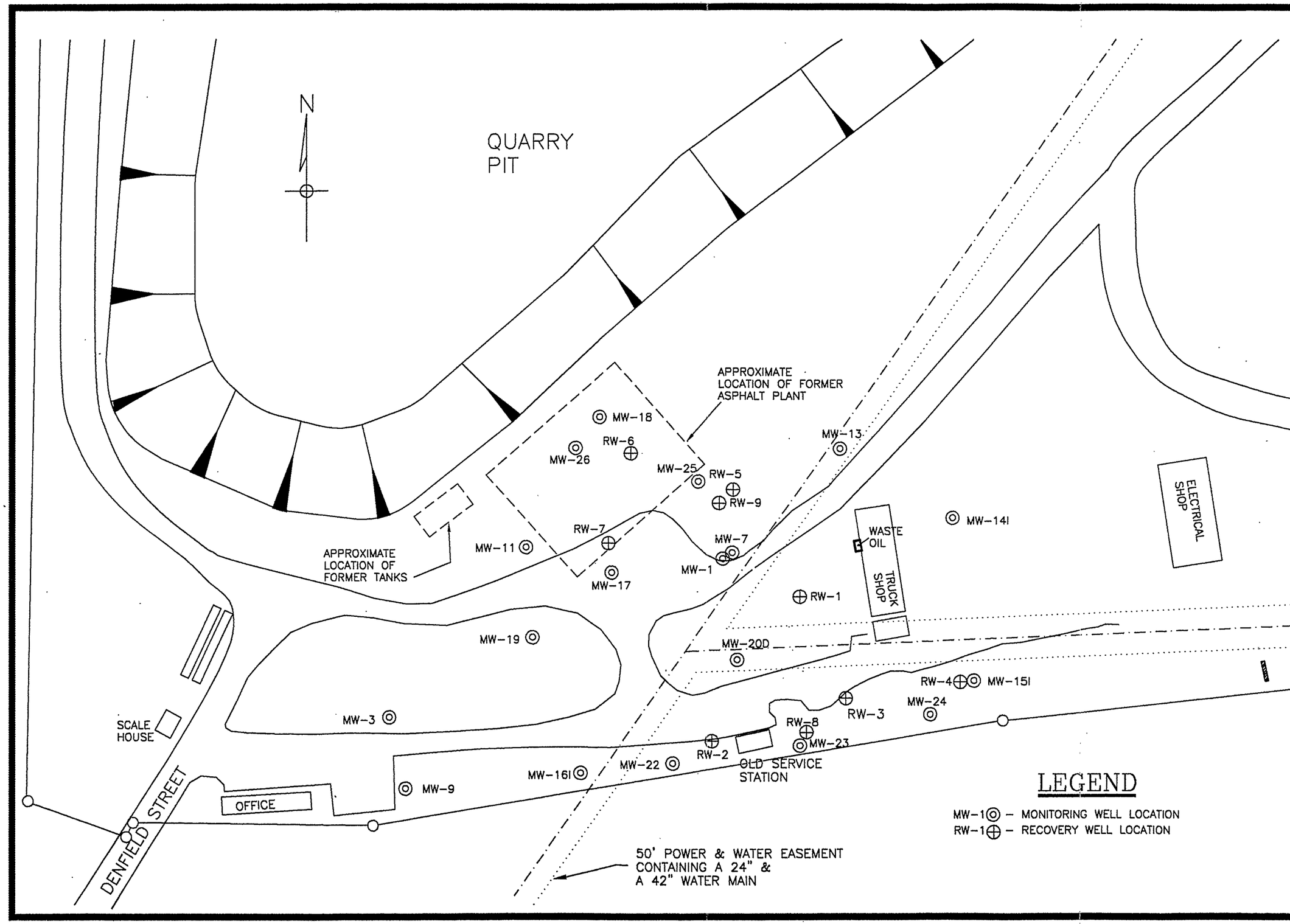
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

(919) 852-3595 (919) 852-1997

FIGURE 1

SCALE: 1" = 2000'

Proj. No: 0013-94-012



Quantum ENVIRONMENTAL, INC.

FIGURE 2

© Copyright 2000

The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

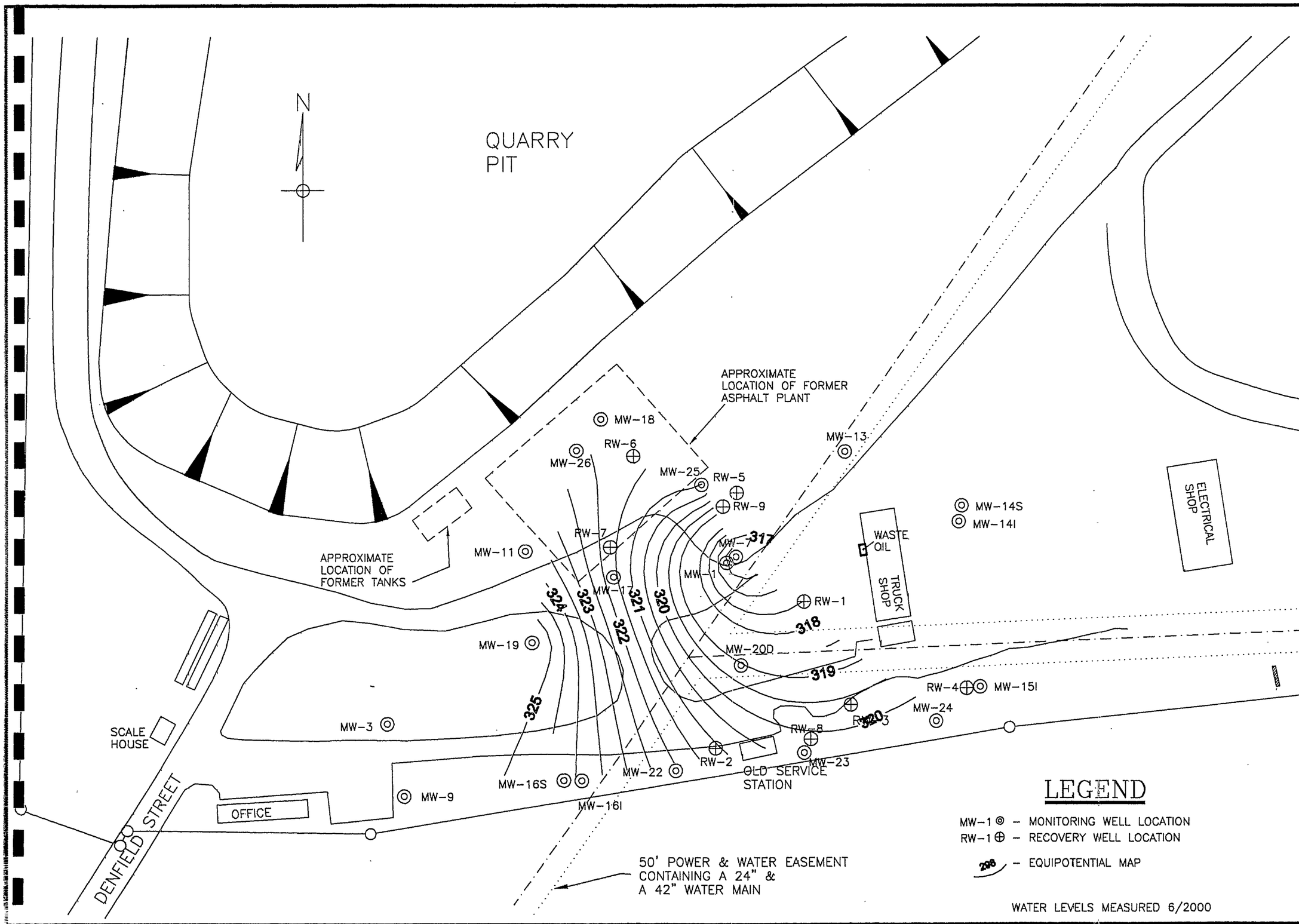
WELL LOCATION MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
66 / 00		



Quantum ENVIRONMENTAL, INC.
2200 Gateway Boulevard, Suite 205 Morrisville, North Carolina 27560
Phone: 919.468.9750 Fax: 919.468.3007

FIGURE 3

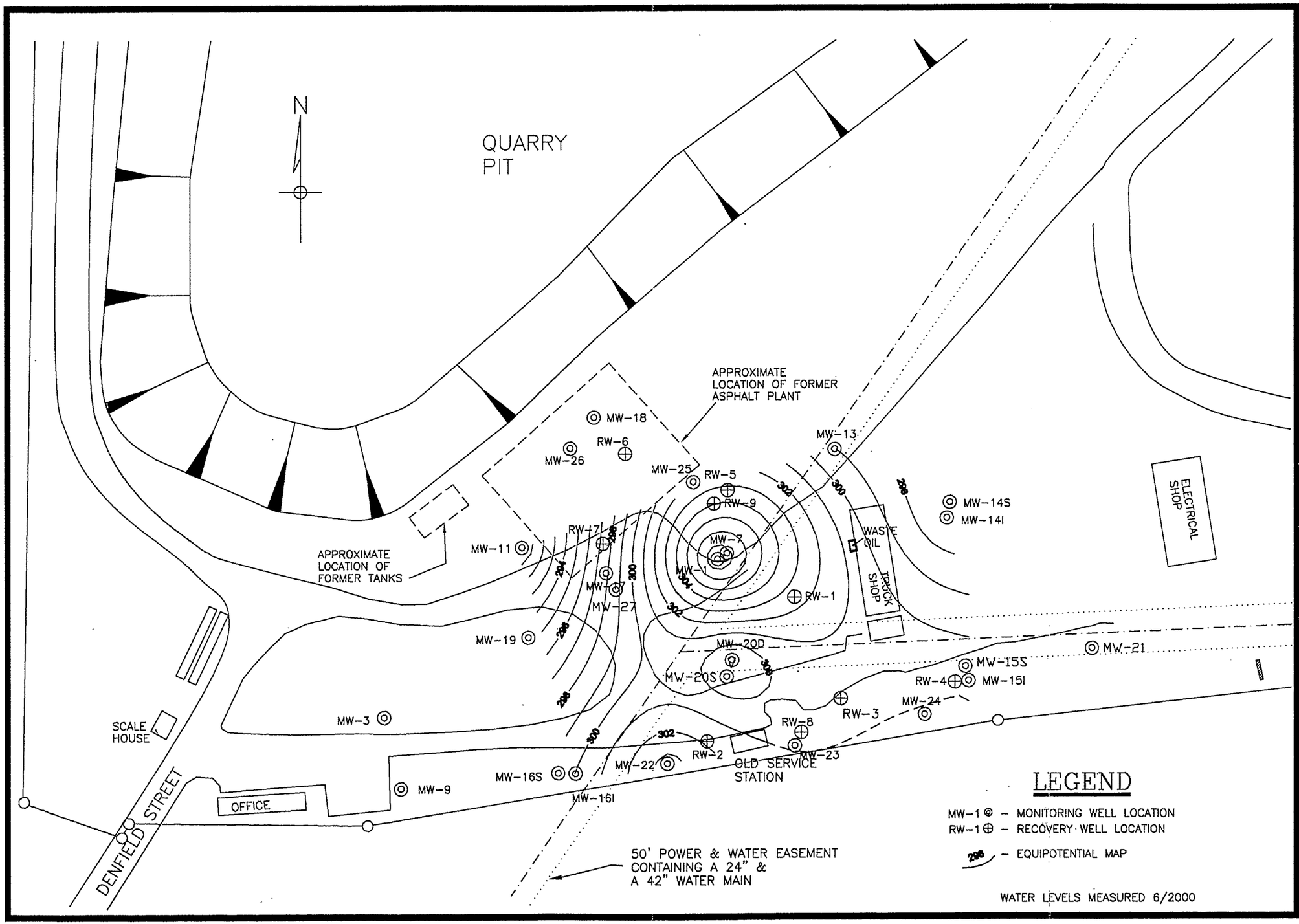
© Copyright 2000
The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

SHALLOW AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012
SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
6/00		



Quantum Environmental, Inc.
6001 Chapel Hill Rd, Suite 108 Raleigh, North Carolina 27607
Phone: 919.852.3595 Fax: 919.852.1997

FIGURE 4

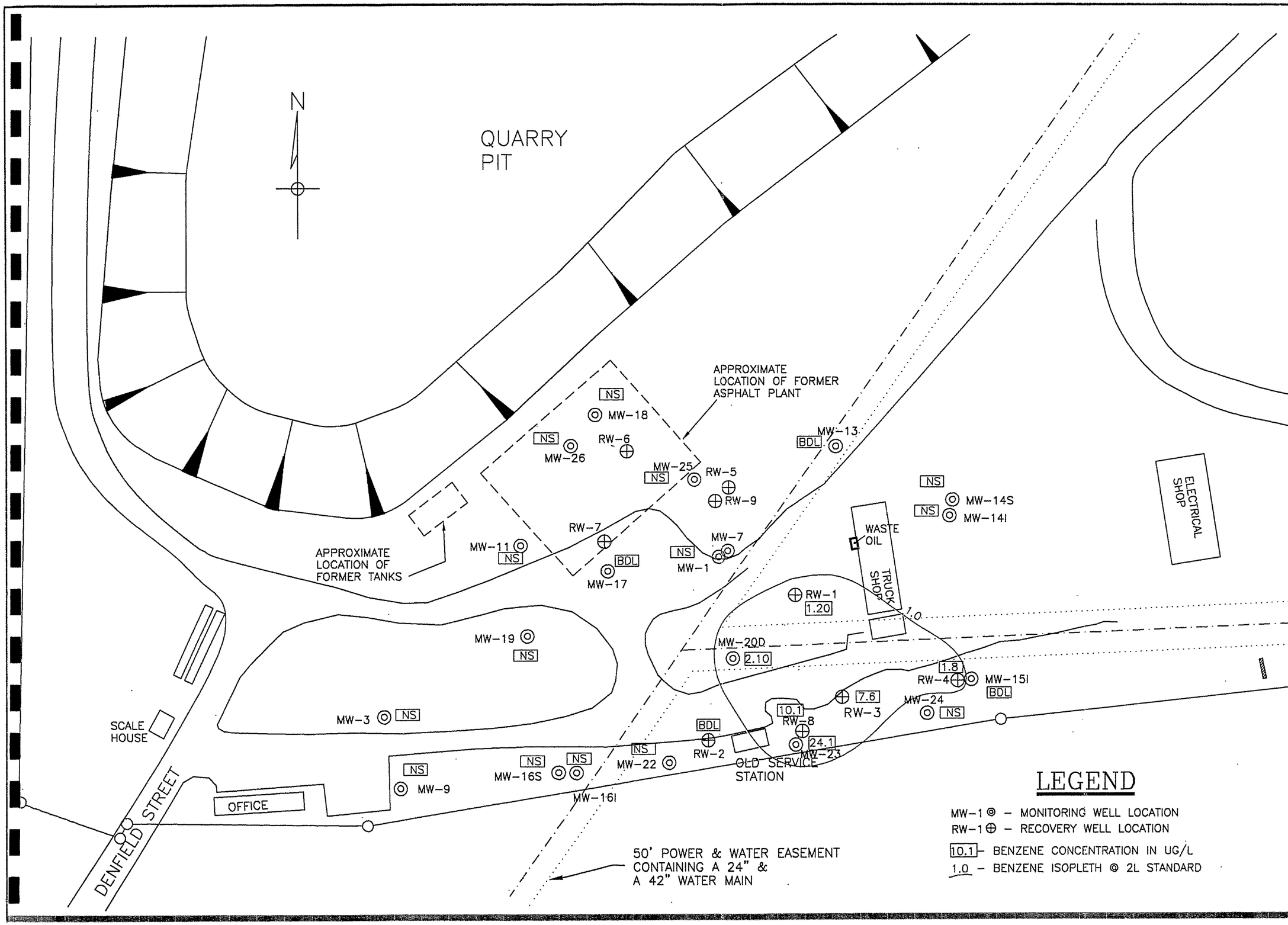
© Copyright 2000
The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

DEEP AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012
SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
6 / 00		



Quantum ENVIRONMENTAL, INC.
2200 Gateway Boulevard, Suite 205 Morrisville, North Carolina 27560
Phone: 919.469.3795 Fax: 919.469.3057

FIGURE 5

© Copyright 2000

The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

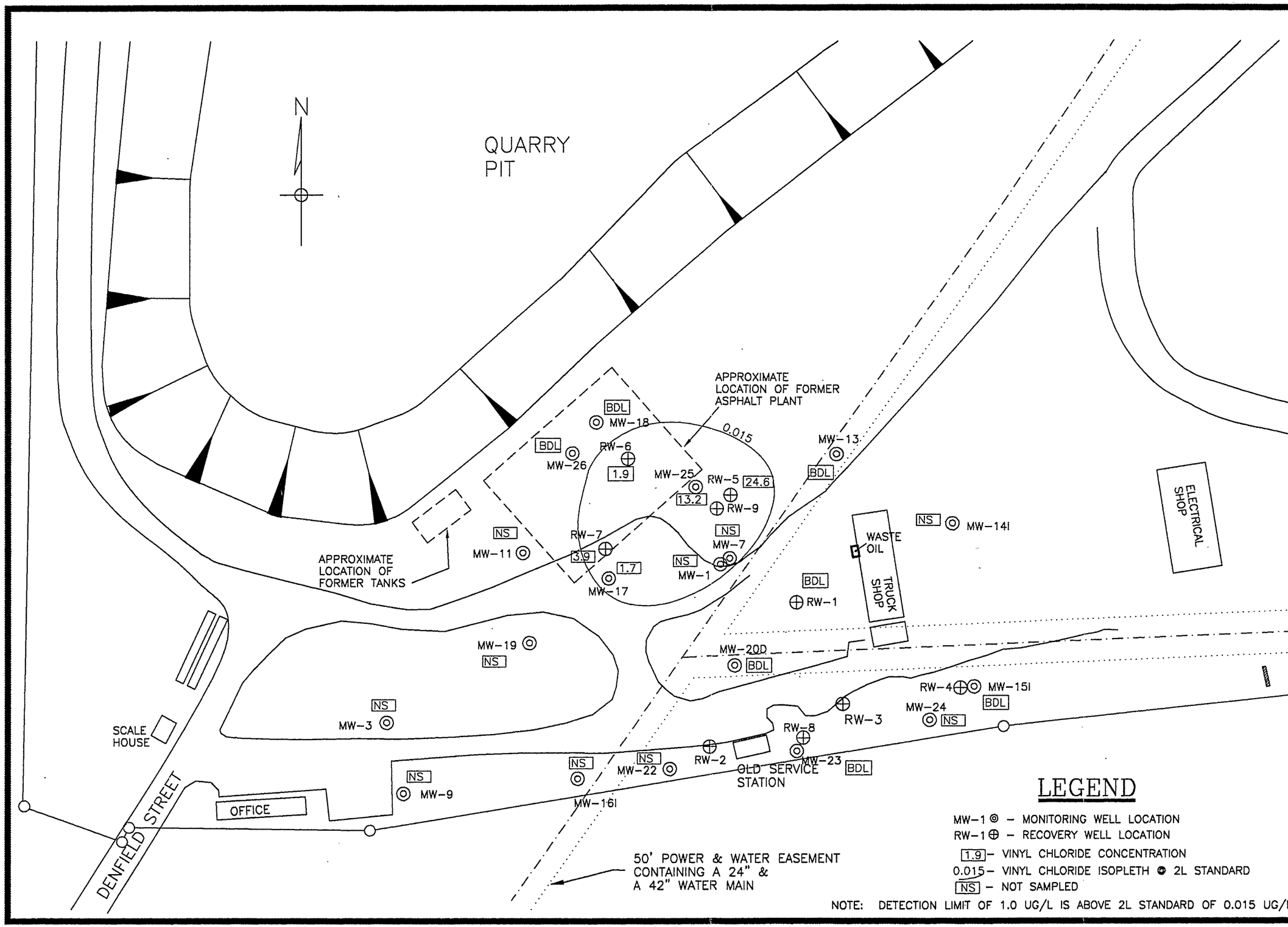
DEEP AQUIFER
BENZENE PLUME MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE
6 / 00		



Quantum ENVIRONMENTAL, INC.
2200 Gateway Boulevard, Suite 205 Morrisville, North Carolina 27560

FIGURE 6

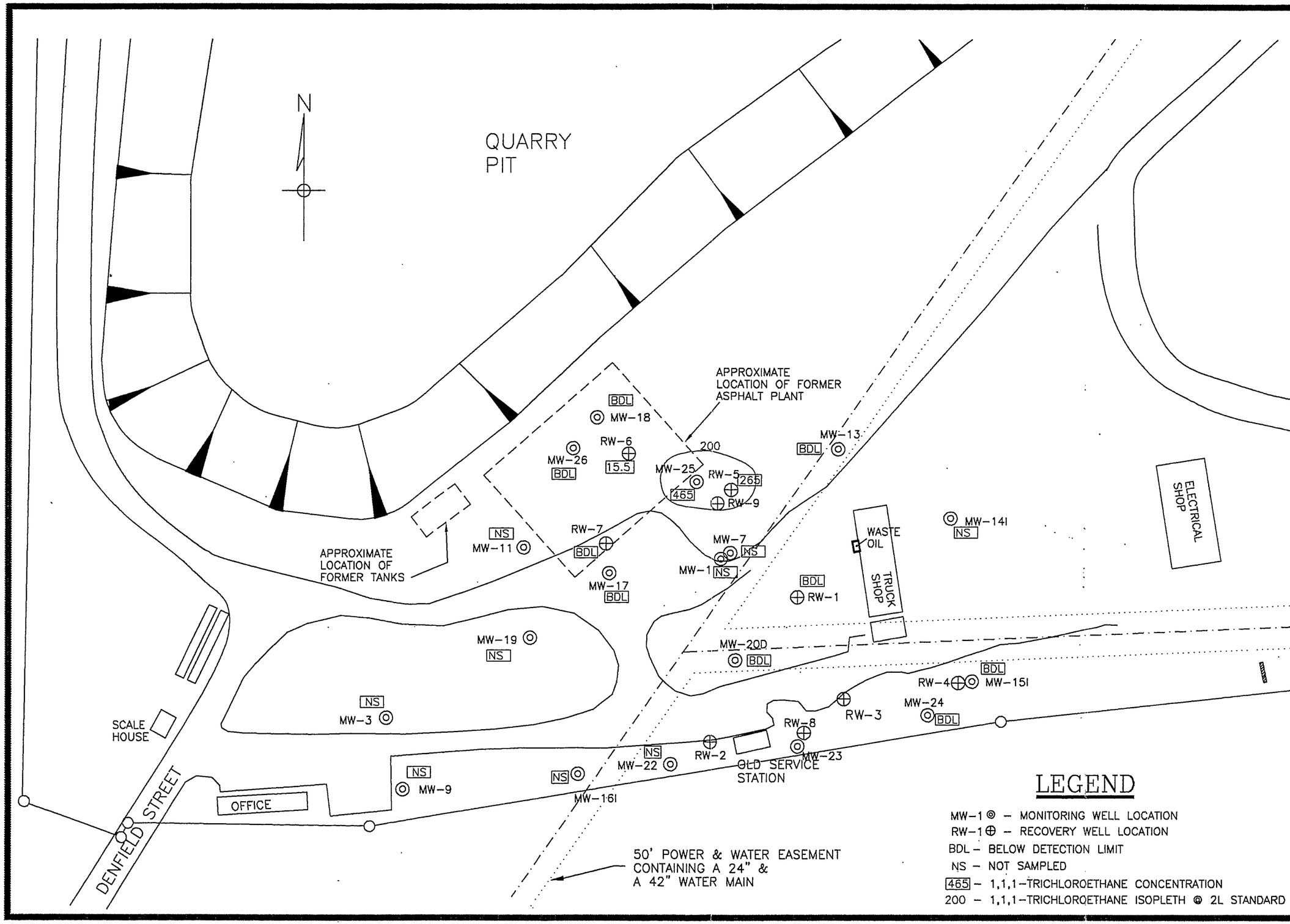
© Copyright 2000
The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

SHALLOW AQUIFER
VINYL CHLORIDE PLUME
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012
SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
6/00		



Quantum ENVIRONMENTAL, INC.
2200 Gateway Boulevard, Suite 205 Morrisville, North Carolina 27560
Phone 919-463-5795 Fax 919-463-5302

FIGURE 7

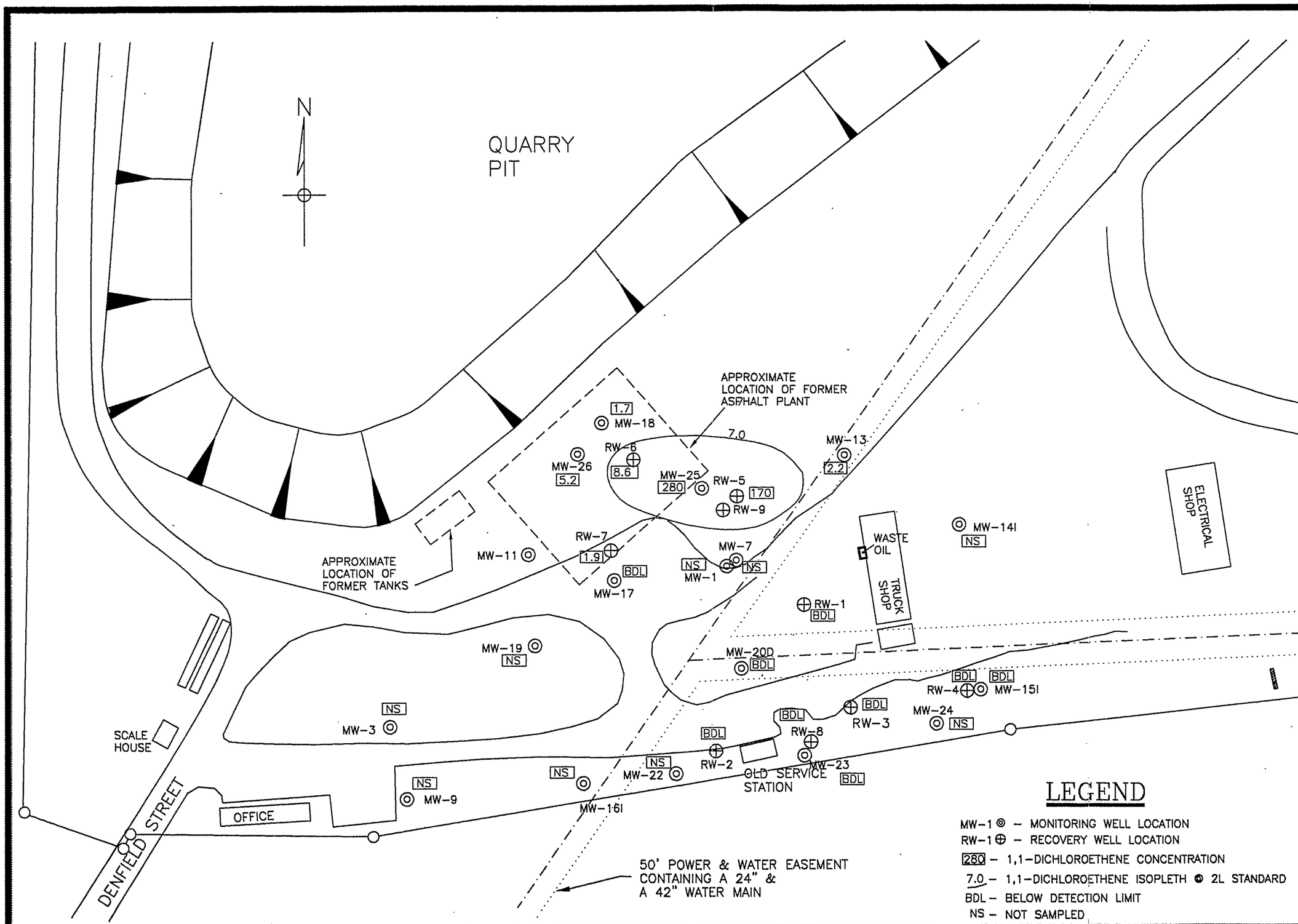
© Copyright 2000
The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

SHALLOW AQUIFER
1,1,1 TRICHLOROETHANE
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012
SCALE: 1"= 110'

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE
6 00		



Quantum ENVIRONMENTAL, INC.
2200 Gateway Boulevard, Suite 205 Morrisville, North Carolina 27560
Phone: 919.485.5735 Fax: 919.485.5647

FIGURE 8

© Copyright 2000
The use of these drawings without written permission from the architect/engineer is prohibited. Violators will be subject to legal action.

SHALLOW AQUIFER
1,1-DICHLOROETHENE
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012
SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
6 / 00		

Tables

Tables

Table 1. Well and Water Level Data
June 2000 Sampling Event
Teer Quarry, Denfield St., Durham, NC

Well #	Top of Casing Elevation[a]	Screen Interval[b]	**Depth to Water[c]**	Water Table Elevation[a]	Purge Volume[d] (gallons)
MW-1	329.5	20.0 - 35.0	**21.35**	308.15	5
MW-3	337.32	15.0 - 62.0	**30.74**	306.58	NS
MW-7	329.26	9.0 - 14.0	**13.94**	315.32	2
MW-9	333.65	25.0 - 40.0	**26.78**	306.87	NS
MW-11	327.87	35.0 - 50.0	**37.06**	290.81	1
MW-13	326.48	50.0 - 65.0	**27.47**	299.01	10
MW-14S	327.09	5.0 - 20.0	**19.6**	307.49	NS
MW-14I	327.13	34.0 - 49.0	**30.23**	296.9	NS
MW-15I	329.53	25.0 - 40.0	**28.6**	300.93	2
MW-16S	333.91	3.0 - 13.0	**10.24**	323.67	NS
MW-16I	330.8	46.0 - 61.0	**30.78**	300.02	NS
MW-17	327.59	2.5 - 12.5	**6.60**	320.99	2
MW-18	328.43	3.0 - 10.0	**7.10**	321.33	2
MW-19	331.96[e]	2.0 - 10.0	**6.80**	325.16	NS
MW-20D	329.58	110.0 - 115.0	**30.85**	298.73	21
MW-22	334.19	30.0 - 60.0	**30.71**	303.48	NS
MW-23	331.87	25.0 - 60.0	**31.16**	300.71	15
MW-24	337.56	16.0 -36.0	**17.62**	319.94	NS
MW-25	328.92	4.0 - 14.0	**8.26**	320.66	1.5
MW-26	328.92	3.0 - 13.0	**7.30**	321.62	2

[a] surveyed elevation, referenced to mean sea level
[b] feet below land surface
[c] feet below top of casing
[d] gallons
[e] Well casing extended and resurveyed

Table 2. **Groundwater Sample Results Summary-Shallow Wells**
June 2000 Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-17	MW-18	MW-25	MW-26	2L LIMITS
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes (Total)	BDL	BDL	BDL	BDL	530.00
MTBE	BDL	BDL	BDL	BDL	200.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
Chloroform	BDL	BDL	BDL	BDL	0.19
1,1-Dichloroethane	2.60	1.40	110	BDL	700
1,2-Dichoroethane	BDL	BDL	BDL	BDL	0.38
1,1-Dichlorethene	BDL	BDL	**280.0**	BDL	7.00
Trichloroethene	BDL	BDL	**64.30**	BDL	2.80
1,1,1-Trichloroethane	BDL	BDL	**465.0**	BDL	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	1.00a	BDL	1.00
cis-1,2-Dichloroethylene	BDL	BDL	**81.50**	BDL	70.00
Vinyl chloride	**1.70**	BDL	**13.20**	BDL	0.015

All Values in ug/L.
***BOLD** - Indicates Concentration Above State Standard* *NS - No Standard*
BDL - Below Detection Limit *J - Estimated Value*

Quantum Project No. 0013-94-012

Table 2, cont. **Groundwater Sample Results Summary-Shallow Recovery Wells**
June 2000 Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	RW-5	RW-6	RW-7	2L LIMITS
Benzene	BDL	BDL	**9.50**	1.00
Toluene	BDL	BDL	4.00	1000.00
Ethylbenzene	BDL	BDL	1.40	29.00
Xylenes (Total)	BDL	BDL	10.60	530.00
MTBE	BDL	BDL	2.80	200.00
Naphthalene	BDL	BDL	BDL**	21.00
Chloroform	BDL	BDL	BDL	0.19
1,1-Dichloroethane	50.0	5.80	2.40	700
1,2-Dichoroethane	BDL	BDL	BDL	0.38
1,1-Dichlorethene	**170.0**	**8.60**	BDL	7.00
Trichloroethene	**65.6**	BDL	BDL	2.80
1,1,1-Trichloroethane	**265.0**	15.50	2.60	200.00
1,1,2-Trichloroethane	**1.60**	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	**1.40**	BDL	BDL	1.00
cis-1,2-Dichloroethylene	**72.40**	BDL	2.20	70.00
Vinyl chloride	**24.60**	**1.90**	BDL	0.015
Chloroethane	**6.00**	**5.20**	**1.60**	1.00 (NS)

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard* *NS - No Standard*
BDL - Below Detection Limit *J - Estimated Value*
*BDL** - Below Detection Limit on 7/6/00;* ***144*** *ug/L on 6/23/00*
Quantum Project No. 0013-94-012

Table 3. **Groundwater Sample Results Summary-Deep Wells**
June 2000 Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-13	MW-15I	MW-20D	MW-23	2L LIMITS
Benzene	BDL	BDL	**2.10**	**24.10**	1.00
Toluene	BDL	BDL	BDL	4.20	1000.00
Ethylbenzene	BDL	BDL	BDL	21.60	29.00
Xylenes (Total)	BDL	BDL	BDL	26.80	530.00
MTBE	BDL	BDL	BDL	BDL	200.00
Naphthalene	BDL	BDL	BDL	14.00	21.00
Chloroform	BDL	BDL	BDL	BDL	0.19
1,1-Dichloroethane	3.70	BDL	BDL	BDL	700
1,2-Dichoroethane	BDL	BDL	BDL	BDL	0.38
1,1-Dichlorethene	2.20	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	1.00
cis-1,2-Dichloroethylene	2.30	BDL	BDL	BDL	70.00
Vinyl chloride	BDL	BDL	BDL	BDL	0.015

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard* *NS - No Standard*
BDL - Below Detection Limit *J - Estimated Value*

Quantum Project No. 0013-94-012

Table 3, cont. **Groundwater Sample Results Summary-Deep Recovery Wells**
June 2000 Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	RW-1	RW-2	RW-3	RW-4	RW-8	RW-9	2L LIMITS
Benzene	**1.20**	BDL	**7.60**	**1.80**	**10.10**	BDL	1.00
Toluene	BDL	1.70	3.60	3.00	1.20	BDL	1000.00
Ethylbenzene	BDL	1.00	3.30	4.00	3.10	BDL	29.00
Xylenes (Total)	1.1	13.00	16.40	2.00	4.90	BDL	530.00
MTBE	BDL	BDL	BDL	BDL	BDL	BDL	200.00
Naphthalene	BDL	BDL	8.0	14.00	14.00	BDL	21.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	0.19
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	75.60	700
1,2-Dichloroethane	**3.00**	BDL	BDL	BDL	BDL	BDL	0.38
1,1-Dichlorethene	1.50	BDL	1.60	1.70	BDL	**64.20**	7.00
Trichloroethene	BDL	BDL	1.0	BDL	BDL	**15.00**	2.80
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	40.20	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.00
cis-1,2-Dichloroethylene	1.80	6.50	2.70	2.80	BDL	23.70	70.00
Vinyl chloride	BDL	BDL	BDL	**2.0**	BDL	**9.30**	0.015
Chloroethane	**2.90**	BDL	BDL	BDL	BDL	BDL	1.00 (NS)

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard* *NS - No Standard*
BDL - Below Detection Limit *J - Estimated Value*

Quantum Project No. 0013-94-012

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-1

Constituent	Date											2L Standard
	5/20/1993 (1)	8/29/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	0.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

RW-2 (former MW-2)

Constituent	Date					2L Standard
	5/7/1993 (1)	5/20/1993 (1)	8/29/1994 (2)	08/29/99	06/15/00	
Benzene	**575.00**	**353.00**	**95.00**	**6.80**	BDL	1.00
Toluene	**1,160.00**	418.00	19.00	BDL	1.70	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	29.00
Xylenes	**1,425.00**	106.00	61.00	BDL	13.00	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	70.00
IPE	NA	BDL	NA	BDL	BDL	0.07
Total VOCs	2,200.40	877.00	239.78	6.80	15.70	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	NA	**90.00**	BDL	6.50	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	
Lead	<0.05	0.20	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-3

Constituent	Date				2L Standard
	5/21/1993 (1)	8/29/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	NA	200.00
EDB	BDL	NA	NA	NA	70.00
IPE	BDL	NA	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	0.056	NA	NA	NA	15.00

MW-4

Constituent	Date	2L Standard
	5/18/1993 (1)	
Benzene	BDL	1.00
Toluene	0.70	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
Lead	0.50	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-5

Constituent	Date		2L Standard
	5/7/1993 (1)	5/20/1993 (1)	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	NA	BDL	21.00
MTBE	NA	BDL	200.00
EDB	NA	BDL	70.00
IPE	NA	BDL	0.07
Total VOCs	0.00	0.00	
1,1-Dichloroethane	NA	BDL	700.00
Trichloroethene	NA	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	70.00
Vinyl Chloride	NA	BDL	0.02
Total CVOCs	0.00	0.00	
Lead	NA	0.07	15.00

MW-6

Constituent	Date	2L Standard
	5/21/1993 (1)	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
Lead	0.03	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-7

Constituent	Date											2L Standard
	5/21/1993 (1)	8/29/1994 (2)	1/26/1995 (2)	8/29/95 (2)	4/27/1995(2)	3/14/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	200.00
EDB	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-8

Constituent	Date	2L Standard
	5/19/1993 (1)	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
Lead	<0.05	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-9

Constituent	Date				2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	70.00
IPE	BDL	NA	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	1.30	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	1.30	
Lead	<0.05	NA	NA	NA	15.00

MW-11

Constituent	Date											2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/13/96 (2)	10/9/96 (2)	12/3/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	1.30	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	
1,1-Dichloroethane	0.60	BDL	BDL	BDL	BDL	2.40	BDL	3.00	2.20	1.00	BDL	700.00
Trichloroethene	BDL	BDL	2.50	1.80	BDL	1.60	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	22.90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.60	0.00	2.50	24.70	0.00	4.00	0.00	3.00	2.20	1.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-12

Constituent	Date				2L Standard
	9/9/1993 (1)	8/30/1994(2)	1/26/1995(2)	4/27/1995 (2)	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	200.00
EDB	BDL	NA	NA	NA	70.00
IPE	BDL	NA	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	15.00

MW-13

Constituent	Date												2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995(2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/3/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	
Benzene	BDL	3.10	BDL	BDL	1.13	3.40	BDL	1.00	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	2.63	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	3.20	2.00	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	29.69	3.40	0.00	4.20	2.00	0.00	0.00	0.00	
1,1-Dichloroethane	4.40	6.00	7.90	13.20	2.06	2.40	2.67	11.00	7.90	3.30	6.4	3.7	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	BDL	200.00
Trichloroethene	BDL	5.10	BDL	4.10	BDL	2.90	3.02	2.40	BDL	2.40	2.8	BDL	2.80
1,1-Dichloroethene	BDL	BDL	BDL	2.30	BDL	3.00	BDL	2.50	1.70	1.70	4.2	2.2	7.00
cis-,1,2-Dichloroethylene	BDL	3.40	BDL	3.40	2.48	4.10	BDL	BDL	BDL	2.70	2.2	2.3	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	1.20	BDL	BDL	BDL	0.02
Total CVOCs	4.40	14.50	7.90	23.00	57.33	21.00	5.69	18.60	10.80	10.10	17.80	8.20	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-14S

Constituent	Date										2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/15/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)		
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	Dry well -	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	1.17	BDL	BDL	No samples	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	for 1999	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	2.10	BDL	BDL	ell abandoned	21.00
MTBE	BDL	NA	NA	BDL	507.00	BDL	BDL	4.10	2.20	36678.00	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA		70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA		0.07
Total VOCs	0.00	0.00	0.00	0.00	507.00	0.00	3.27	4.10	2.20		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00		
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA		15.00

MW-14I

Constituent	Date										2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	3/15/96 (2)	10/9/96 (2)	12/3/1997 (3)	5/13/98 (3)	6/17/99 (4)	Dec-99	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-15S

Constituent	Date					2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/30/95 (2)	
Benzene	**10.70**	**17.50**	BDL	BDL	BDL	1.00
Toluene	8.80	2.60	BDL	BDL	BDL	1000.00
Ethylbenzene	**76.40**	**147.00**	**43.00**	**56.30**	**77.70**	29.00
Xylenes	NA	430.00	170.00	188.00	205.00	530.00
Naphthalene	13.00	**63.30**	**60.90**	**53.40**	**27.60**	21.00
MTBE	8.30	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	0.07
Total VOCs	117.20	660.40	273.90	297.70	310.30	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

MW-15I

Constituent	Date												2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/15/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	
Benzene	BDL	BDL	BDL	BDL	**2.16**	BDL	BDL	BDL	**1.30**	**4.80**	**2.5**	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	BDL	1000.00
Ethylbenzene	BDL	2.70	3.40	1.90	BDL	BDL	BDL	BDL	BDL	1.20	BDL	BDL	29.00
Xylenes	BDL	3.60	9.00	BDL	BDL	BDL	BDL	BDL	BDL	1.90	4.4	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.20	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	44.60	BDL	BDL	12.00	13.00	BDL	6.1	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	**5.70**	NA	NA	NA	NA	BDL	BDL	NA	0.07
Total VOCs	BDL	6.30	12.40	1.90	52.46	0.00	0.00	12.00	15.20	8.90	10.50	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-16S

Constituent	Date							2L Standard	
	9/9/1993 (1)	8/30/1994 (2)	1/25/95 (2)	4/27/1995 (2)	3/14/96 (2)	10/9/96 (2)	5/13/98 (3)		
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	Dry Well
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00	no 1999 samples
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00	Well abandoned - June 2000
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00	
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	200.00	
EDB	BDL	NA	NA	NA	NA	NA	NA	70.00	
IPE	BDL	NA	NA	NA	NA	NA	NA	0.07	
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00	
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02	
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Lead	<0.05	NA	NA	NA	NA	NA	NA	15.00	

MW-16I

Constituent	Date										2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	3/14/96 (2)	10/9/96 (2)	12/1/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	200
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	70
IPE	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	2.8
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	15

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-17

Constituent	Date												2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/13/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	6/7/2000	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	17.10	BDL	15.50	23.30	23.40	10.40	9.33	7.40	7.20	6.00	7.3	2.6	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	3.80	2.10	2.92	1.30	BDL	BDL	BDL	1.00	BDL	BDL	70.00
Vinyl Chloride	**2.20**	**38.90**	**63.00**	BDL	**23.40**	**35.30**	**21.70**	BDL	**2.60**	**5.00**	**5.7**	**1.70**	0.02
Total CVOCs	19.30	38.90	82.30	25.40	49.72	47.00	31.03	7.40	9.80	12.00	13.00	4.30	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-18

Constituent	Date												2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	6/7/2000	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	BDL	700.00
1,2-Dichloroethane	BDL	BDL	**27.00**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,1-Dichloroethene	BDL	BDL	3.90	BDL	1.93	BDL	BDL	1.70	BDL	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	4.80	1.40	3.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	**10.90**	BDL	**50.00**	BDL	**58.90**	**16.30**	**10.90**	**8.10**	**2.30**	BDL	**3.80**	BDL	0.02
Chloroethane	BDL	BDL	**50.00**	BDL	**59.00**	**9.50**	BDL	**1.30**	BDL	BDL	BDL	BDL	1.00
Total CVOCs	59.00	0.00	135.70	99.30	194.86	31.60	21.50	23.10	3.80	0.00	5.20	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-19

Constituent	Date								2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	3/14/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	70.00
IPE	BDL	NA	NA	NA	NA	NA	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	15.00

MW-20S

Constituent	Date						2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)	
Benzene	15.00	64.40	44.00	71.80	64.40	64.90	1.00
Toluene	1.80	9.50	6.20	BDL	26.00	2.40	1000.00
Ethylbenzene	BDL	16.38	7.00	14.60	25.30	5.90	29.00
Xylenes	BDL	21.00	16.70	20.60	80.70	17.00	530.00
Naphthalene	BDL	3.84	3.29	4.90	BDL	4.50	21.00
MTBE	7.30	BDL	BDL	BDL	9.69	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	70.00
IPE	14.20	NA	NA	NA	50.00	NA	0.07
Total VOCs	38.30	115.12	77.19	111.90	256.09	94.70	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-20D

Constituent	Date												2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/15/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	
Benzene	**15.00**	**30.00**	**22.00**	**29.80**	**30.30**	**20.00**	**21.60**	**16.00**	**13.00**	**12.30**	**1.80**	**2.10**	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	BDL	BDL	BDL	BDL	21.00
MTBE	6.20	NA	NA	NA	BDL	NA	NA	5.70	4.30	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	14.20	NA	NA	NA	**26.60**	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	35.40	30.00	22.00	29.80	56.90	20.00	21.60	26.20	17.30	12.30	1.80	2.10	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	8.00	BDL	5.20	5.47	4.00	BDL	BDL	BDL	1.10	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	**4.30**	BDL	**1.70**	**3.20**	**3.00**	BDL	BDL	0.02
Total CVOCs	0.00	8.00	0.00	5.20	5.47	8.30	0.00	1.70	3.20	4.10	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-21

Constituent	Date					2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	3/15/96 (2)	
Benzene	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	NA	70.00
IPE	BDL	NA	NA	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-22

Constituent	Date											2L Standard
	4/28/1994 (1)	8/30/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
Benzene	9.40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	8.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-23

Constituent	Date												2L Standard
	4/28/1994 (1)	8/30/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	
Benzene	21.00	68.40	36.00	67.90	58.90	56.40	69.70	42.00	23.00	37.10	14.3	24.1	1.00
Toluene	BDL	13.00	BDL	14.50	18.60	9.90	4.52	BDL	6.70	7.50	1.9	4.2	1000.00
Ethylbenzene	BDL	46.50	14.00	40.40	30.70	14.90	11.30	BDL	9.60	19.10	2.3	21.6	29.00
Xylenes	BDL	100.00	40.00	95.30	77.30	24.70	35.50	41.00	40.00	39.60	18	26.8	530.00
Naphthalene	BDL	33.70	42.50	42.90	19.10	32.00	11.70	BDL	9.10	12.00	BDL	14.00	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	5.40	BDL	8.8	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	15.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	36.00	216.60	132.50	261.00	204.60	137.90	132.72	83.00	93.80	115.30	45.30	90.70	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
1,2-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.30	BDL	BDL	0.38
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-24

Constituent	Date										2L Standard
	4/28/1994 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	3/15/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.60	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.00	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.80	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	1.20	1.80	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.20	15.20	0.00	0.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-25

Constituent	Date											2L Standard
	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/8/2000 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	336.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	2.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	2.20	336.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	840.00	690.00	632.00	1,100.00	262.00	259.00	350.00	240.00	282.00	185.00	110.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.60	BDL	7.50	BDL	1.30	2.00	BDL	0.38
1,1-Dichloroethene	BDL	770.00	708.00	1,270.00	618.00	501.00	390.00	340.00	204.00	280.00	80.00	7.00
Trichloroethene	280.00	125.00	267.00	232.00	152.00	206.00	81.00	BDL	98.00	110.00	64.30	2.80
1,1,1-Trichloroethane	BDL	1,710.00	2,709.00	3,920.00	1,440.00	2,080.00	620.00	1,000.00	358.00	725.00	465.00	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.70	6.60	BDL	BDL	2.20	BDL	1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.20	BDL	BDL	BDL	BDL	2100.00
Tetracholorethene	BDL	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	2.50	BDL	0.70
cis-,1,2-Dichloroethylene	330.00	470.00	319.00	429.00	164.00	BDL	BDL	BDL	151.00	32.00	81.50	70.00
Vinyl Chloride	BDL	BDL	BDL	126.00	85.60	48.90	BDL	30.00	BDL	33.20	13.20	0.02
Chloroethane	BDL	BDL	BDL	BDL	BDL	8.74	4.30	BDL	BDL	8.20	BDL	2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	192.00	BDL	BDL	BDL	BDL	BDL	BDL	0.30
1,1,2,2 Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	1.00	1.00
Total CVOCs	1,450.00	3,765.00	4,635.00	7,077.00	2,921.20	3,107.34	1,466.00	1,610.00	1,094.30	1,381.10	815.00	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru June 2000
Nello Teer Quarry Site

MW-26

Constituent	Date											2L Standard
	8/29/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/13/96 (2)	10/9/96 (2)	12/2/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	**42.50**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	70.00
IPE	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	0.07
Total VOCs	0.00	42.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	100.00	109.00	85.40	BDL	54.30	13.00	5.60	3.60	2.40	BDL	700.00
1,1-Dichloroethene	BDL	BDL	**8.10**	**10.70**	**13.60**	**7.17**	5.20	3.60	4.20	5.10	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	4.90	5.83	8.30	BDL	BDL	BDL	5.80	5.80	BDL	70.00
Vinyl Chloride	**29.50**	BDL	BDL	**44.80**	**56.60**	**20.10**	**12.00**	**6.90**	**7.00**	**6.00**	BDL	0.02
Total CVOCs	29.50	100.00	122.00	146.73	78.50	81.57	30.20	16.10	20.60	19.30	0.00	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-27

Constituent	Date		2L Standard
	9/9/1993 (1)	8/29/1994 (2)	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000
Ethylbenzene	BDL	BDL	29
Xylenes	BDL	BDL	530
Naphthalene	BDL	BDL	21
MTBE	BDL	NA	200
EDB	BDL	NA	70
IPE	BDL	NA	0.07
Total PAH	0.00	NA	
1,1-Dichloroethane	BDL	BDL	700
Trichloroethene	BDL	BDL	2.8
cis-,1,2-Dichloroethylene	BDL	BDL	70
Vinyl Chloride	BDL	BDL	0.02
Total CVOCs	0.00	0.00	
Lead	0.05	NA	15

NOTES: (1) = EPA Methods 601/602/625 Total PAH/239.2 Lead as sampled by Geonetics; analyzed by Southern Testing
(2) = EPA Methods 601/602/610 as sampled by Front Royal (Quantum); analyzed by Hydrologic
(3) = EPA Methods 601/602/610 as sampled by Quantum; analyzed by Pace Laboratories
(4) = EPA Methods 601/602/610 as sampled by Quantum; analyzed by Test America
(*) = Summation of All Fractions of Detected VOCs including naphthalene.

Table 5: Nello Teer Recovery Well Sampling Results

RW-1

Constituent	Date			Standard
	8/29/1999	2/25/2000	6/14/2000	
Benzene	**6.80**	BDL	**1.20**	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	1.10	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	2.30	
1,1-Dichloroethane	BDL	7.40	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.50	7.00
1,2 Dichloroethane	BDL	BDL	**3.00**	0.38
Trichloroethene	BDL	2.20	BDL	2.80
1,1,1 Trichloroethane	BDL	3.40	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	2.20	1.80	70.00
Chloroethane	BDL	BDL	**2.90**	MDL
Vinyl Chloride	BDL	BDL	BDL	0.02
Total CVOCs	0.00	15.20	9.20	
1-Methylnaphthalene	BDL	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	MDL
Phenanthrene	BDL	NA	NA	210.00
Lead	NA	NA	NA	15.00

RW-2 (formerly MW-2)

Constituent	Date					Standard
	5/7/93	5/20/93	8/29/94	8/29/99	6/14/00	
Benzene	**575.00**	**353.00**	**95.00**	BDL	BDL	1.00
Toluene	**1160.00**	418.00	19.00	BDL	1.70	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	29.00
Xylenes	**1425.00**	106.00	61.00	BDL	13.00	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	70.00
IPE	NA	BDL	NA	BDL	BDL	0.07
Total VOCs	3244.40	877.00	239.80	0.00	15.70	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	NA	NA	NA	BDL	BDL	7.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	NA	NA	NA	BDL	BDL	200.00
cis-,1,2-Dichloroethene	NA	NA	**90.00**	BDL	6.50	70.00
Chloroethane	NA	NA	NA	BDL	BDL	MDL
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	
1-Methylnaphthalene	NA	NA	NA	BDL	BDL	MDL
Phenanthrene	NA	NA	NA	BDL	BDL	210.00
Lead	<0.05	0.20	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-3

Constituent	Date			Standard
	8/29/1999	2/25/2000	6/14/2000	
Benzene	**25.50**	BDL	**7.60**	1.00
Toluene	21.50	BDL	3.60	1000.00
Ethylbenzene	22.50	BDL	3.30	29.00
Xylenes	270.00	BDL	16.40	530.00
Naphthalene	11.00	BDL	8.00	21.00
MTBE	11.50	BDL	BDL	200.00
EDB	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	0.07
Total VOCs	362.00	0.00	30.90	
1,1-Dichloroethane	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.60	7.00
Trichloroethene	BDL	BDL	1.00	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	2.70	70.00
Chloroethane	BDL	BDL	BDL	MDL
Vinyl Chloride	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	5.30	
1-Methylnaphthalene	**44.00**	NA	NA	5.00
2-Methylnaphthalene	**38.00**	NA	NA	28.00
Phenanthrene	12.00	NA	NA	210.00
Lead	NA	NA	NA	15.00

RW-4

Constituent	Date				Standard
	8/29/1999	3/8/2000	5/3/2000	6/14/2000	
Benzene	BDL	BDL	**5.00**	**1.80**	1.00
Toluene	BDL	BDL	3.00	3.00	1000.00
Ethylbenzene	BDL	BDL	4.00	4.00	29.00
Xylenes	BDL	BDL	2.00	2.00	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	5.00	NA	200.00
EDB	BDL	BDL	NA	BDL	70.00
IPE	BDL	BDL	NA	NA	0.07
Total VOCs	0.00	0.00	19.00	10.80	
1,1-Dichloroethane	BDL	BDL	NA	BDL	700.00
1,1 Dichloroethene	BDL	BDL	NA	1.70	7.00
Trichloroethene	BDL	BDL	NA	NA	2.80
1,1,1 Trichloroethane	BDL	BDL	NA	NA	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	NA	2.80	70.00
Chloroethane	BDL	BDL	NA	NA	MDL
Vinyl Chloride	BDL	BDL	NA	**2.00**	0.02
Total CVOCs	0.00	0.00	NA	6.50	
1-Methylnaphthalene	BDL	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-5

Constituent	Date			Standard
	8/29/1999	2/25/2000	6/14/2000	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	
1,1-Dichloroethane	202.00	118.50	50.00	700.00
1,1 Dichloroethene	**260.00**	BDL	**170.00**	7.00
Trichloroethene	**67.20**	BDL	**65.60**	2.80
1,1,1 Trichloroethane	**518.00**	BDL	**265.00**	200.00
cis-,1,2-Dichloroethylene	**93.60**	63.40	**72.40**	70.00
1,1,2,2-Tetrachloroethane			**1.40**	MDL
1,1,2-Trichloroethane			**1.60**	MDL
Chloroethane	**7.00**	**5.00**	**6.00**	MDL
Vinyl Chloride	**30.70**	**20.00**	**24.60**	0.02
Total CVOCs	1178.50	206.90	656.60	
1-Methylnaphthalene	BDL	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	MDL
Phenanthrene	BDL	NA	NA	210.00
Lead	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-6

Constituent	Date			2L Standard
	10/4/1999	12/17/1999	6/14/2000	
Benzene	BDL	**2.20**	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	2.10	BDL	200.00
EDB	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	0.07
Total VOCs	0.00	4.30	0.00	
Fluorene	BDL	5.00	BDL	280.00
Phenanthrene	BDL	4.00	BDL	210.00
1,1-Dichloroethane	14.70	7.80	5.80	700.00
1,1 Dichloroethene	**26.80**	4.90	**8.60**	7.00
Trichloroethene	**10.90**	**3.20**	BDL	2.80
1,1,1 Trichloroethane	53.20	4.00	15.50	200.00
cis-,1,2-Dichloroethene	6.80	6.80	BDL	70.00
Chloroethane	BDL	BDL	**5.20**	MDL
Vinyl Chloride	**3.10**	BDL	**1.90**	0.02
Total CVOCs	115.50	26.70	37.00	
Phenanthrene	BDL	BDL	BDL	210.00
Lead	NA	NA	NA	15.00

RW-7

Constituent	Date				2L Standard
	10/4/1999	6/14/2000	6/23/2000	7/6/2000	
Benzene	BDL	BDL	BDL	**9.50**	1.00
Toluene	BDL	BDL	BDL	4.00	1000.00
Ethylbenzene	BDL	BDL	BDL	1.40	29.00
Xylenes	BDL	BDL	BDL	10.60	530.00
Naphthalene	BDL	BDL	**144.00**	BDL	21.00
MTBE	BDL	BDL	BDL	2.80	200.00
EDB	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	224.00	28.30	
1,1-Dichloroethane	10.00	1.70	BDL	2.40	700.00
1,1 Dichloroethene	1.60	1.90	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	2.60	200.00
cis-,1,2-Dichloroethylene	3.80	1.90	BDL	2.20	70.00
Chloroethane	BDL	BDL	BDL	**1.60**	MDL
Vinyl Chloride	**6.00**	**3.90**	BDL	BDL	0.02
Total CVOCs	21.40	9.40	0.00	8.80	
Lead	NA	NA	BDL	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-8

Constituent	Date	Standard
	6/14/2000	
Benzene	**10.10**	1.00
Toluene	1.20	1000.00
Ethylbenzene	3.10	29.00
Xylenes	4.90	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	19.30	
Fluorene	BDL	280.00
Phenanthrene	BDL	210.00
1,1-Dichloroethane	BDL	700.00
1,1 Dichloroethene	BDL	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	BDL	200.00
cis-,1,2-Dichloroethene	BDL	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
Phenanthrene	BDL	210.00
Lead	NA	15.00

RW-9

Constituent	Date		Standard
	5/19/00	6/14/00	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	BDL	200.00
EDB	BDL	BDL	70.00
IPE	BDL	BDL	0.07
Total VOCs	0.00	0.00	
1,1-Dichloroethane	84.50	75.60	700.00
1,1 Dichloroethene	**75.10**	**64.20**	7.00
Trichloroethene	**16.00**	**15.00**	2.80
1,1,1 Trichloroethane	50.60	40.20	200.00
cis-,1,2-Dichloroethylene	26.80	23.70	70.00
Chloroethane	BDL	BDL	MDL
Vinyl Chloride	**8.50**	**9.30**	0.02
Total CVOCs	261.50	228.00	
Lead	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

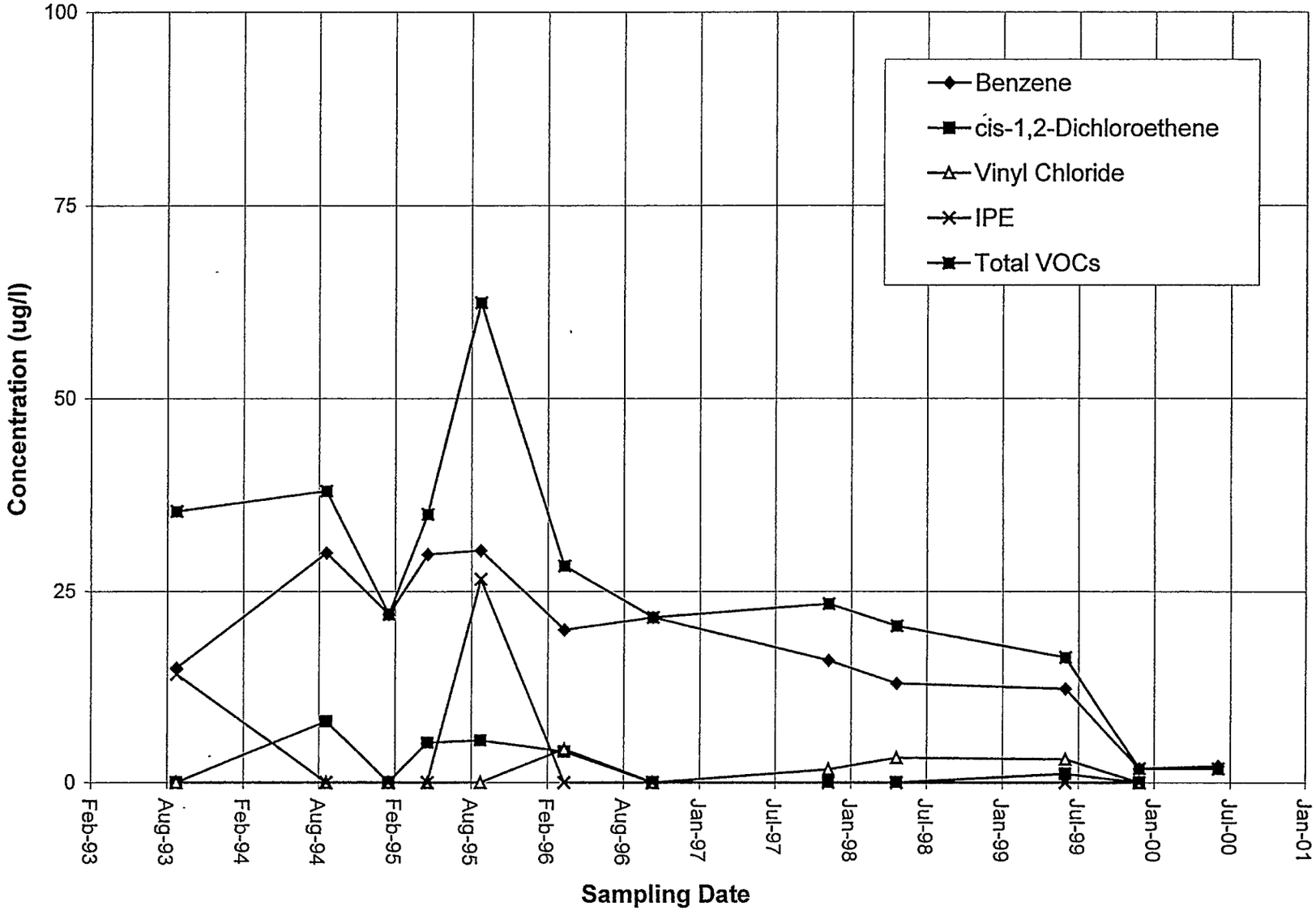
All results in *u*g/L.
NA = Not Analyzed
BDL = Below Detection Limit
MDL = Method Detection Limit
Bold indicates exceedence of NCAC 2L Groundwater Standards
Wells sampled on August 29, October 4, December 1999
and February and May-July,2000
All samples analyzed by TestAmerica for ELS

123 files/13/139412/9412rwax.xls

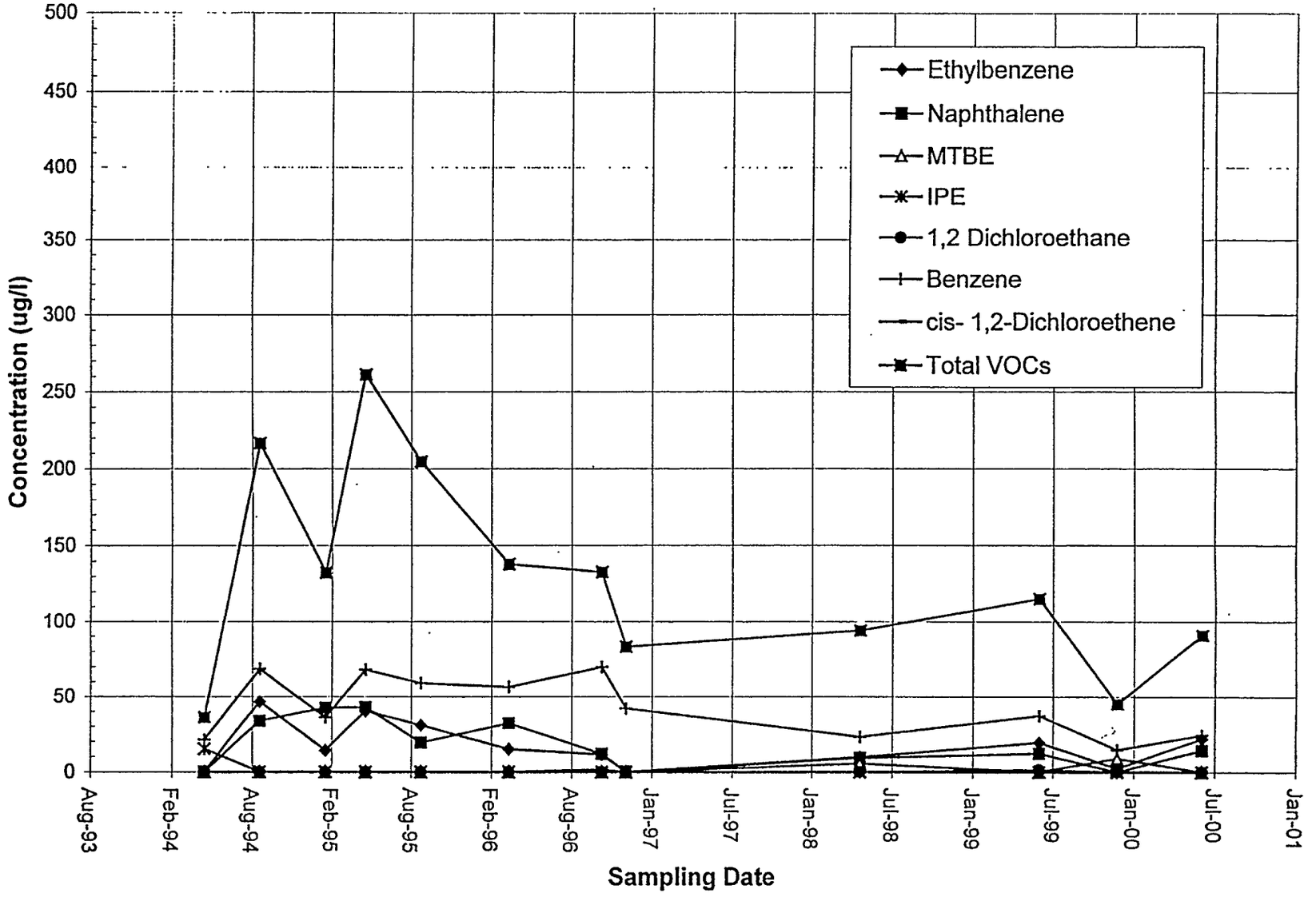
Charts

Charts

MW-20D Historic Groundwater Monitoring Results.

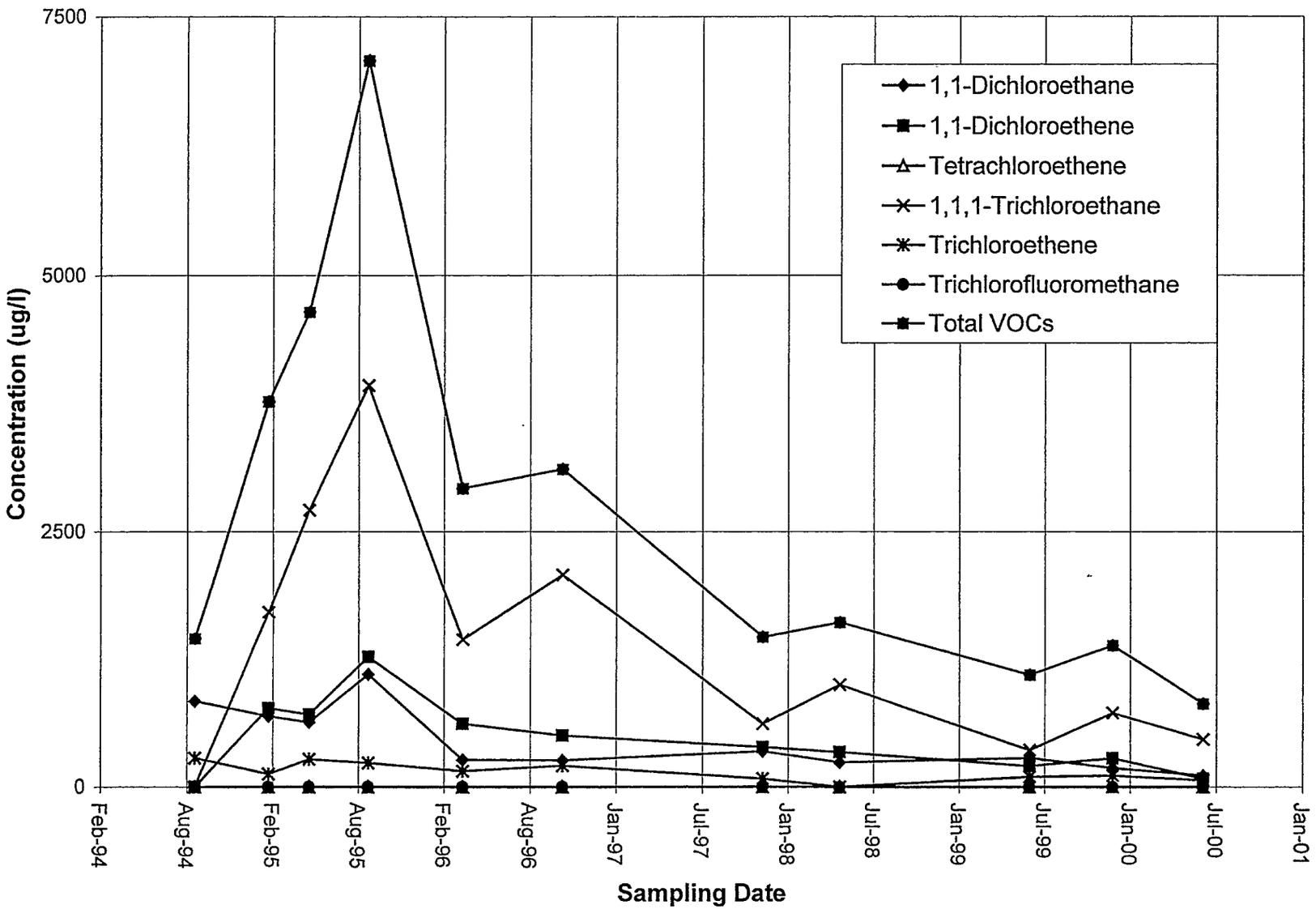


MW-23 Historic Groundwater Monitoring Results.



Note: Benzene only constituent present above 2L Standards

MW-25 Historic Groundwater Monitoring Results.



Appendix A
Monitoring Well Laboratory Analytical Results
and
Chain of Custody

Appendix A

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

RECEIVED JUN 26 2000

Certified in:
- *Connecticut*
- *Delaware*
- *Maryland*
- *Massachusetts*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvania*
- *Rhode Island*

QUANTUM ENVIRONMENTAL, INC.
6001 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER:

PROJECT #: 994298
RECEIVED: 06/08/00

SITE ADDRESS: NELLO TEER
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 176906 CLIENT SAMPLE ID: MW-23				**DATE SAMPLED: 06/07/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/11/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)
SAMPLE #: 176907 CLIENT SAMPLE ID: MW-15I				**DATE SAMPLED: 06/07/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/11/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)
SAMPLE #: 176908 CLIENT SAMPLE ID: MW-20D				**DATE SAMPLED: 06/07/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/11/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)
SAMPLE #: 176909 CLIENT SAMPLE ID: MW-13				**DATE SAMPLED: 06/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/13/00	EPA 601-602	387 (NC)
SAMPLE #: 176910 CLIENT SAMPLE ID: MW-25				**DATE SAMPLED: 06/08/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/13/00	EPA 601-602	387 (NC)
SAMPLE #: 176911 CLIENT SAMPLE ID: MW-17				**DATE SAMPLED: 06/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)

QUANTUM ENVIRONMENTAL, INC.
6001 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER:

PROJECT #: 994298
RECEIVED: 06/08/00

SITE ADDRESS: NELLO TEER
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 176912 CLIENT SAMPLE ID: MW-26				**DATE SAMPLED: 06/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)
SAMPLE #: 176913 CLIENT SAMPLE ID: MW-18				**DATE SAMPLED: 06/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/14/00	EPA 601-602	387 (NC)

Douglas W. Mendrala
Laboratory Director

06/21/00
Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Laboratory Certification #

Environmental
LABORATORY SERVICES

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79531
Sample ID: MW-23
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 16:40
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	14.	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Acenaphthene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Anthracene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Fluoranthene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Fluorene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Pyrene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Benzo(a)anthracene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Benzo(a)pyrene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Benzo(b)Fluoranthene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Benzo(k)Fluoranthene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Chrysene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Acenaphthylene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
Phenanthrene	ND	ug/l	5.	5.	1	6/11/00	20:29	J.Fuqua	610	3036
VOLATILE ORGANICS by GC										
Benzene	24.1	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602/601	5582
Ethylbenzene	21.6	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602	5582
Toluene	4.2	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602	5582
m,p-Xylenes	22.6	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602	5582
o-Xylene	4.2	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582

ple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-A79531
Sample ID: MW-23

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	21:40	M.Hinelick	601	5582

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	6/ 9/00	D.Yeager	3510

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79531
Sample ID: MW-23

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	98.	49. - 123.
Hall Surr., chloroprene	116.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	118. *	59. - 117.
FAM Surrogate	63.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lagé, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79532
Sample ID: MW-15I
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 2:40
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Acenaphthene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Anthracene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Fluorene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Pyrene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Benzo(a)anthracene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Benzo(a)pyrene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Chrysene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Acenaphthylene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
Phenanthrene	ND	ug/l	5.	5.	1	6/11/00	21:07	J.Fuqua	610	3036
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Hinelick	601	5582

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79532
Sample ID: MW-15I

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	22:21	M.Himelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	22:21	M.Himelick	601	5582

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	6/ 9/00	D.Yeager	3510

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79532
Sample ID: MW-15I

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	95.	50. - 150.
Hall Surr., 2-chloropropane	91.	49. - 123.
Hall Surr., chloroprene	106.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	102.	59. - 117.
PAH Surrogate	67.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Gail A Lagé Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lagé, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED
2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79533
Sample ID: MW-20D
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 18:30
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Acenaphthene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Anthracene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Fluorene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Pyrene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Benzo(a)anthracene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Benzo(a)pyrene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Chrysene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Acenaphthylene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
Phenanthrene	ND	ug/l	5.	5.	1	6/11/00	21:45	J.Fuqua	610	3036
VOLATILE ORGANICS by GC										
Benzene	2.1	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Himelick	601	5582

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: QC-A79533
Sample ID: MW-20D

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	23:02	M.Hinelick	601	5582

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	6/ 9/00	D.Yeager	3510

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79533
Sample ID: MW-20D

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	50. - 150.
Hall Surr., 2-chloroprogane	94.	49. - 123.
Hall Surr., chloroprene	109.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	106.	59. - 117.
PAH Surrogate	58.	18. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Gail A Lage Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79534
Sample ID: MW-13
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 16:10
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
HVOLATILE ORGANICS by GCM										
Benzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Bromomethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,1-Dichloroethane	3.7	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,1-Dichloroethene	2.2	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
cis-1,2-Dichloroethene	2.3	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79534
Sample ID: MW-13

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/13/00	20:57	M.Hinelick	601	5582

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	77.	49. - 123.
Hall Surr., chloroprene	81.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	85.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Lab Number: 00-A79535
Sample ID: MW-25
Sample Type: Water
Site ID:

Date Collected: 6/ 8/00
Time Collected: 7:45
Date Received: 6/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
NONVOLATILE ORGANICS by GCM										
Benzene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	1.9	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Bromomethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Vinyl chloride	13.2	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
1,1-Dichloroethane	118.	ug/l	50.0	1.0	50	6/15/00	1:47	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
1,1-Dichloroethene	80.0	ug/l	50.0	1.0	50	6/15/00	1:47	M.Hinelick	601	5582
cis-1,2-Dichloroethene	81.5	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79535
Sample ID: MW-25

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	6/13/00	23:52	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	1.0	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
1,1,1-Trichloroethane	465.	ug/l	50.0	1.0	50	6/15/00	1:47	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Trichloroethene	64.3	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/13/00	23:52	M.Hinelick	601	5582

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	104.	50. - 150.
Hall Surr., 2-chloropropane	88.	49. - 123.
Hall Surr., chloroprene	99.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	74.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79536
Sample ID: MW-17
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 15:40
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MOBLATILE ORGANICS by GC*										
Benzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Vinyl chloride	2.7	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,1-Dichloroethane	2.6	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79536
Sample ID: MW-17

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	0:36	M.Hinelick	601	5582

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	78.	49. - 123.
Hall Surr., chloroprene	76.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	68.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A79537
Sample ID: MW-26
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 15:05
Date Received: 6/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79537
Sample ID: MW-26

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	1:20	M.Hinelick	601	5582

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	72.	49. - 123.
Hall Surr., chloroprene	74.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	65.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: 18544
Sampler: CCR/TWD

Lab Number: 00-A79538
Sample ID: MW-18
Sample Type: Water
Site ID:

Date Collected: 6/ 7/00
Time Collected: 15:10
Date Received: 6/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GCM										
Benzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602	5582
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602/601	5582
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602/601	5582
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602/601	5582
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602/601	5582
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602	5582
Toluene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602	5582
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602	5582
o-Xylene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	602	5582
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Bromoform	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Bromomethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Chloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Chloroform	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Chloromethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A79538
Sample ID: MW-18

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Trichloroethene	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/14/00	2:04	M.Hinelick	601	5582

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	72.	49. - 123.
Hall Surr., chloroprene	72.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	72.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 6/15/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly R. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TESTAMERICA INC.

hain of Custody Record

06/08/00 THU 10:38 FAX 919 4683557

☐ Asheville, NC (A) (828) 254-3169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 264-6856 ☐ Lumberton, NC (K) (910) 738-6190 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford, IL (Q) (815) 874-2171

☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (F) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport, IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☐ Watertown, WI (R) (920) 261-1660

Client: ELS

Report Address: 7820 Caswell St
~~Hancock Air Park~~
N. Syracuse, N.Y. 13212

Attn: E. Bough

Phone No.: (315) 458-8033

Fax No.: (315) 458-0249

Project No.: 0013-94-012

Invoice Address: same

Attn: C. Ross

Sampled By: CCR / TWD

P.O. No:

Quote No.

State Samples Collected NC

TURNAROUND TIME

☐ Standard

☐ Rush (surcharges may apply) Date Needed: 6/23/00

REQUESTED PARAMETERS: 601, 602, 610

00-0387

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No___

Is this work being conducted for regulatory enforcement action? Yes___ No ✓

Which regulations apply:
RCRA___ NPDES Wastewater___
UST ✓ Drinking Water___
Other___ None___

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	601	602	610	# and type of containers: HCl	NaOH	HNO3	H2SO4	Other	None	ELS#	REMARKS
MW-23	6/7	16:40	G	H_2O		X	X	X	3					1	176906	
MW-15I	6/7	2:40	G			X	X	X	3					1	176907	
MW-20O	6/7	18:30	G			X	X	X	3					1	176908	
MW-13	6/7	16:10	G			X	X		3						176909	
MW-25	6/8	7:45	G			X	X		3						176910	
MW-17	6/7	15:40	G			X	X		3						176911	
MW-26	6/7	15:05	G			X	X		3						176912	
MW-18	6/7	15:10	G			X	X		3						176913	

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Init Lab Temp: Rec Lab Temp:

COMMENTS: Nello Teer site semi-annual monitoring event

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	6/8	10:20	[signature]	6/8	10:20
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY

Custody Seal: ☐ Yes ☐ No ☐ N/A

Bottles Supplied by TA: ☐ Yes ☐ No

002

Appendix B
Recovery Well Laboratory Analytical Results and Chain of Custody

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

Certified in:
- *Connecticut*
- *Delaware*
- *Maryland*
- *Massachuset*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvania*
- *Rhode Islanc*

QUANTUM ENVIRONMENTAL, INC.
6001 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER:

PROJECT #: 994354
RECEIVED: 06/14/00

SITE ADDRESS : NELLO-TEER
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 177062 CLIENT SAMPLE ID: RW-1				**DATE SAMPLED: 06/14/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/20/00	EPA 601-602	387 (NC)
SAMPLE #: 177063 CLIENT SAMPLE ID: RW-2				**DATE SAMPLED: 06/14/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/19/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/18/00	EPA 601-602	387 (NC)
SAMPLE #: 177064 CLIENT SAMPLE ID: RW-3				**DATE SAMPLED: 06/14/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/19/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/20/00	EPA 601-602	387 (NC)
SAMPLE #: 177065 CLIENT SAMPLE ID: RW-8				**DATE SAMPLED: 06/14/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/19/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/18/00	EPA 601-602	387 (NC)
SAMPLE #: 177066 CLIENT SAMPLE ID: RW-4				**DATE SAMPLED: 06/14/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		06/19/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		06/20/00	EPA 601-602	387 (NC)
SAMPLE #: 177067 CLIENT SAMPLE ID: RW-5				**DATE SAMPLED: 06/14/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED *			EPA 601	387 (NC)

RECEIVED
JUL - 5 2000

QUANTUM ENVIRONMENTAL, INC.
6001 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER:

PROJECT #: 994354
RECEIVED: 06/14/00

SITE ADDRESS : NELLO-TEER
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 177067 CLIENT SAMPLE ID: RW-5				**DATE SAMPLED:**	**06/14/00**
VOL. HALOCARBONS - EPA 601	SEE ATTACHED	*		EPA 601	387 (NC)
* Analyzed 06/18/00 and 06/20/00					
SAMPLE #: 177068 CLIENT SAMPLE ID: RW-6				**DATE SAMPLED:**	**06/14/00**
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		06/18/00	EPA 601	387 (NC)
SAMPLE #: 177069 CLIENT SAMPLE ID: RW-7				**DATE SAMPLED:**	**06/14/00**
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		06/20/00	EPA 601	387 (NC)
SAMPLE #: 177070 CLIENT SAMPLE ID: RW-9				**DATE SAMPLED:**	**06/14/00**
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		06/20/00	EPA 601	387 (NC)

Douglas W. Mendrala
Laboratory Director

06/29/00
Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Laboratory Certification #

177062

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83114
Sample ID: RW-1
Sample Type: Water
Site ID:

Date Collected: 6/14/00
Time Collected: 12:30
Date Received: 6/15/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GCM										
Benzene	1.2	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602	7224
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602/601	7224
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602/601	7224
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602/601	7224
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602/601	7224
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602	7224
Toluene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602	7224
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602	7224
o-Xylene	1.1	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	602	7224
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Chloroethane	2.9	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,2-Dichloroethane	3.0	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,1-Dichloroethene	1.5	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
cis-1,2-Dichloroethene	1.8	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-A83114
Sample ID: RW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	0:52	M.Hinelick	601	7224

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	72.	49. - 123.
Hall Surr., chloroprene	74.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	66.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Wm D. Dunn Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

177063

TestAmerica INCORPORATED
2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83115
Sample ID: RW-2
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Date Collected: 6/14/00
Time Collected: 13:40
Date Received: 6/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Acenaphthene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Anthracene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Fluorene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Pyrene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Chrysene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Acenaphthylene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	B.Davis	610	8068
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
Phenanthrene	ND	ug/l	5.0	5.0	1	6/19/00	19:23	K.Davis	610	8068
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602	7224
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602/601	7224
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602/601	7224
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602/601	7224
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602/601	7224
Ethylbenzene	1.0	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602	7224
Toluene	1.7	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602	7224
m,p-Xylenes	9.7	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602	7224
o-Xylene	3.3	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	602	7224
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83115
Sample ID: RW-2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
cis-1,2-Dichloroethene	6.5	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	12:00	M.Hinelick	601	7224

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	6/16/00	J. Rudden	3510

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	104.	50. - 150.

ple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-AB3115
Sample ID: RW-2

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	88.	49. - 123.
Hall Surr., chloroprene	97.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	98.	59. - 117.
PAH Surrogate	69.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

177064

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83116
Sample ID: RW-3
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Date Collected: 6/14/00
Time Collected: 12:40
Date Received: 6/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	8.0	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Acenaphthene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Fluorene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	B.Davis	610	8068
Pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	B.Davis	610	8068
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Benzo(b)Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	B.Davis	610	8068
Benzo(k)Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	B.Davis	610	8068
Chrysene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	B.Davis	610	8068
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Acenaphthylene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
Phenanthrene	ND	ug/l	5.0	5.0	1	6/19/00	20:00	K.Davis	610	8068
VOLATILE ORGANICS by GC										
Benzene	7.6	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602	7224
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602/601	7224
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602/601	7224
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602/601	7224
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602/601	7224
Ethylbenzene	3.3	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602	7224
Toluene	3.6	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602	7224
m,p-Xylenes	12.7	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602	7224
o-Xylene	3.7	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	602	7224
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-AB3116
Sample ID: RW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,1-Dichloroethene	1.6	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
cis-1,2-Dichloroethene	2.7	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Trichloroethene	1.0	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	1:36	M.Hinelick	601	7224

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	6/16/00	J. Rudden	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	105.	50. - 150.

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83116
Sample ID: RW-3

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	71.	49. - 123.
Hall Surr., chloroprene	80.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	83.	59. - 117.
PAH Surrogate	57.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Will A Dunn Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 367

End of Sample Report.

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

Certified in:
- *Connecticu*
- *Delaware*
- *Maryland*
- *Massachus*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvan*
- *Rhode Islar*

QUANTUM ENVIRONMENTAL, INC.
2200 GATEWAY BLVD., SUITE 205

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER: 001394012

PROJECT #: 994033
RECEIVED: 05/03/00

SITE ADDRESS : NELLO-TEER

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 176321 CLIENT SAMPLE ID: RW-4				**DATE SAMPLED: 05/03/00**	
VOL. AROMATICS - EPA 602 W/XYL	SEE ATTACHED		05/09/00	EPA 602	387 (NC)

Douglas W. Mendrala
Laboratory Director

05/15/00
Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Laboratory Certification #

RECEIVED
MAY 19 2000

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: ELS 0013-94-012
Project Name:
Sampler: CHARLES ROSS

Lab Number: 00-A61129
Sample ID: RW-4
Sample Type: Ground water
Site ID:

Date Collected: 5/ 3/00
Time Collected: 15:20
Date Received: 5/ 4/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	5	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465
Chlorobenzene	ND	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602/601	1465
1,2-Dichlorobenzene	ND	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602/601	1465
1,3-Dichlorobenzene	ND	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602/601	1465
1,4-Dichlorobenzene	ND	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602/601	1465
Ethylbenzene	4	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465
Toluene	3	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465
m,p-Xylenes	2	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465
o-Xylene	ND	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465
MTBE	5	ug/l	1	1	1	5/ 9/00	10:28	M.Himelick	602	1465

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	50. - 150.
Hall Surr., 2-chloropropane	81.	49. - 123.
Hall Surr., chlorobenzene	87.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	63.	59. - 117.

COPY 1

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 00-A61129
Sample ID: RW-4

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Michael A. Dunn Report Date: 5/ 9/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruopel, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

TESTAMERICA INC. 00-0285

Chain of Custody Record

Page 1 of 1

- ☐ Asheville, NC (A) (828) 254-5169
- ☐ Atlanta, GA (B) (770) 368-0636
- ☐ Bartlett, IL (C) (630) 289-3100
- ☐ Brighton, CO (D) (303) 659-0497
- ☐ Cedar Falls, IA (E) (319) 277-2401
- ☐ Charleston, SC (F) (843) 849-6550
- ☐ Charlotte, NC (G) (704) 392-1164
- ☐ Columbia, SC (H) (803) 796-8989
- ☐ Dayton, OH (I) (937) 294-6856
- ☐ Davenport, IA (J) (319) 323-7944
- ☐ Lumberton, NC (K) (910) 738-6190
- ☐ Indianapolis, IN (L) (317) 842-4261
- ☐ Nashville, TN (M) (615) 726-0177
- ☐ Macon, GA (N) (912) 757-0811
- ☐ Pontiac, MI (O) (248) 332-1940
- ☐ Orlando, FL (P) (407) 851-2560
- ☐ Rockford, Il (Q) (815) 874-2171
- ☐ Watertown, WI (R) (920) 261-1660

Client: ELS

Report Address: 7820 Caswell St. Hancock Air Park N. Syracuse, NY 13212

Attn: Elizabeth Baugh

Phone No.: (315) 458-8933

Fax No.: (315) 458-0249

Project No.: 0013-94-012

Invoice Address:

Attn: C. Ross / T. Davis

Sampled By: Charles Ross

P.O. No:

Quote No.

State Samples Collected: NC

TURNAROUND TIME

☒ Standard

☐ Rush (surcharges may apply)

Date Needed: 5/20

REQUESTED PARAMETERS

602

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No___

Is this work being conducted for regulatory enforcement action? Yes___ No ✓

Which regulations apply:
RCRA___ NPDES Wastewater___
UST ✓ Drinking Water___
Other___ None___

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	602	# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
RW-4 176321	5/3	15:20	G	H_2O		X	3						

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Recorte

Init Lab Temp | Rec Lab Temp

COMMENTS:

Relinquished By: [signature]	Date 5/3, 16:40	Time	Received By: [signature]	Date 5/3/00	Time 1635
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY:

Custody Seal: ☐ Yes ☐ No ☐ N/A

Bottles Supplied by TA: ☐ Yes ☐ No

177066

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-AB3118
Sample ID: RW-4
Sample Type: Water
Site ID:

Date Collected: 6/14/00
Time Collected: 13:00
Date Received: 6/15/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Acenaphthene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Anthracene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Fluorene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Pyrene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Chrysene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Acenaphthylene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
Phenanthrene	ND	ug/l	5.0	5.0	1	6/19/00	21:13	B.Davis	610	8068
VOLATILE ORGANICS by GC										
Benzene	1.8	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602	7224
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602/601	7224
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602/601	7224
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602/601	7224
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602/601	7224
Ethylbenzene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602	7224
Toluene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602	7224
m,p-Xylenes	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602	7224
o-Xylene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	602	7224
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83118
Sample ID: RW-4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Vinyl chloride	2.0	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,1-Dichloroethene	1.7	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
cis-1,2-Dichloroethene	2.8	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
trans-1,2-Dichloroethene	1.5	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	2:20	M.Hinelick	601	7224

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	6/16/00	J. Rudden	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A8311B
Sample ID: RW-4

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	71.	49. - 123.
Hall Surr., chloroprene	74.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	72.	59. - 117.
PAH Surrogate	56.	18. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

177067

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83119
Sample ID: RW-5
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Date Collected: 6/14/00
Time Collected: 12:10
Date Received: 6/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Chloroethane	6.0	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Vinyl chloride	24.6	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
1,1-Dichloroethane	50.0	ug/l	50.0	1.0	50	6/20/00	3:04	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
1,1-Dichloroethene	170.	ug/l	50.0	1.0	50	6/20/00	3:04	M.Hinelick	601	7224
cis-1,2-Dichloroethene	72.4	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/18/00	20:22	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	1.4	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
1,1,1-Trichloroethane	263.	ug/l	50.0	1.0	50	6/20/00	3:04	M.Hinelick	601	7224
1,1,2-Trichloroethane	1.6	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Trichloroethene	65.6	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	20:22	M.Hinelick	601	7224

ND = Not detected at the report limit.

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-AB3119
Sample ID: RW-5

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	97.	49. - 123.
Hall Surr., chloroprene	114.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	103.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

177068

TestAmerica
INCORPORATED
2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83120
Sample ID: RW-6
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name:
Sampler: C ROSS

601

Date Collected: 6/14/00
Time Collected: 12:20
Date Received: 6/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Chloroethane	5.2	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Vinyl chloride	1.9	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,1-Dichloroethane	5.8	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,1-Dichloroethene	8.6	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,1,1-Trichloroethane	15.5	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	21:03	M.Hinelick	601	7224

ND = Not detected at the report limit.

ple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83120
Sample ID: RW-6

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	95.	49. - 123.
Hall Surr., chloroprene	102.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	99.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

LS: ENVIRONMENTAL LAB-SERVICE 2307
ONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A95086
Sample ID: RW-6 177300
Sample Type: Water
Site ID:

Date Collected: 7/ 6/00
Time Collected: 8:00
Date Received: 7/ 7/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C. ROSS

602 analysis

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
Toluene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
Ethylbenzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
Xylenes, total	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
Methyl-t-butylether	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
Chlorobenzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/12/00	21:50	F.Gundi	602	1905

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	103.	50. - 150.

Sample report continued.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A95086
Sample ID: RW-6

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Claire Wolag

Report Date: 7/14/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

177069

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Lab Number: 00-A83121
Sample ID: RW-7
Sample Type: Water
Site ID:

Date Collected: 6/14/00
Time Collected: 16:40
Date Received: 6/15/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC*										
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Vinyl chloride	3.9	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,1-Dichloroethane	1.7	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,1-Dichloroethene	1.9	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
cis-1,2-Dichloroethene	1.9	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	3:48	M.Hinelick	601	7224

ND = Not detected at the report limit.

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83121
Sample ID: RW-7

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	76.	49. - 123.
Hall Surr., chloroprene	79.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	74.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Michael D. Dunn Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

Certified in:
- *Connecticut*
- *Delaware*
- *Maryland*
- *Massachusei*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvani*
- *Rhode Islanc*

QUANTUM ENVIRONMENTAL, INC.
6001 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. # 044339
CLIENT JOB NUMBER:

PROJECT #: 994420
RECEIVED: 06/23/00

SITE ADDRESS : NELLO-TEER
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 177229 CLIENT SAMPLE ID: RW-7				DATE SAMPLED: 06/23/00	
VOL. ORGANICS - EPA 8021	SEE ATTACHED		07/02/00	EPA 8021B	387 (NC)

Douglas W. Mendrala
Laboratory Director

07/06/00
Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Laboratory Certification #

RECEIVED
JUL 10 2000

TestAmerica
INCORPORATED
2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A88725
Sample ID: RW-7 177229
Sample Type: Ground water
Site ID:

Date Collected: 6/23/00
Time Collected: 8:30
Date Received: 6/24/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: CC ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MOBLATILE ORGANICS by GCM										
Benzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Bromobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
n-Butylbenzene	21.0	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
sec-Butylbenzene	18.0	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
tert-Butylbenzene	15.0	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Chlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
2-Chlorotoluene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
4-Chlorotoluene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2-Dichlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,3-Dichlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,4-Dichlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Ethylbenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Isopropylbenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
4-Isopropyltoluene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Naphthalene	144.	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
n-Propylbenzene	14.0	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Styrene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Toluene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2,3-Trichlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2,4-Trichlorobenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2,4-Trimethylbenzene	12.0	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,3,5-Trimethylbenzene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
m,p-Xylenes	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
o-Xylene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Hexachlorobutadiene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Bromochloromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Bromodichloromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Bromoform	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Bromomethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Carbon tetrachloride	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Chloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Chloroform	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Chloromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A88725
Sample ID: RW-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Dibromochloromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Ethylene Dibromide	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Dibromomethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2,3-Trichloropropane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Vinyl chloride	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Dichlorodifluoromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1-Dichloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2-Dichloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1-Dichloroethene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
cis-1,2-Dichloroethene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
trans-1,2-Dichloroethene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2-Dichloropropane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,3-Dichloropropane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
2,2-Dichloropropane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1-Dichloropropene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
cis-1,3-Dichloropropene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
trans-1,3-Dichloropropene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Methylene chloride	ND	ug/l	50.0	5.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1,1,2-Tetrachloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1,2,2-Tetrachloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Tetrachloroethene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1,1-Trichloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,1,2-Trichloroethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Trichloroethene	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
Trichlorofluoromethane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	1.0	10	7/ 2/00	4:26	T.Holmes	8021B	7481

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	93.	50. - 150.
Hall Surr., 2-chloropropane	100.	49. - 123.
Hall Surr., chloroprene	113.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	82.	59. - 117.

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A88725
Sample ID: RW-7

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 7/ 5/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

06/23/00 FRI 09:42 FAX 919 4693557 002

hain of Custody Record

TESTAMERICA INC. 00-0456

Page 1 of 1

☐ Asheville, NC (A) (828) 254-5169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 294-6856 ☐ Lumberton, NC (K) (910) 738-6190 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford, Il (Q) (815) 874-2471

☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (F) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport, IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☐ Watertown, WI (R) (920) 261-1660

Client: ELS / Quantum
Project No.: 0013-94-012
Report Address: Syracuse N.Y.
Invoice Address: Same
Attn: E. Bowyl
Attn: C. Ross
Phone No.: (315) 458-8033
Sampled By: C.C. Ross
Fax No.: (315) 458-0249
P.O. No:
Quote No.
State Samples Collected: NC

TURNAROUND TIME
☑ Standard
☐ Rush (surcharges may apply)
Date Needed: 6/30 - 7/2

REQUESTED PARAMETERS: 8021

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No ___

Is this work being conducted for regulatory enforcement action? Yes ___ No ✓

Which regulations apply:
RCRA ___ NPDES Wastewater ___
UST ✓ Drinking Water ___
Other ___ None ___

Sample ID.	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use									# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
RW-7	6/23	8:30	G	H_2O		X								2						177229

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Received Init Lab Temp | Rec Lab Temp

COMMENTS: Nello Tear site Results in 10 days please

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	6/23	9:15	[signature]	6/23/00	9:15

LAB USE ONLY:
Custody Seal: ☐ Yes ☐ No ☐ N/A
Bottles Supplied by TA: ☐ Yes ☐ No

TestAmerica INCORPORATED
2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A93087
Sample ID: RW-7 177301
Sample Type: Water
Site ID:

Date Collected: 7/ 6/00
Time Collected: 8:00
Date Received: 7/ 7/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C. ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
SEMIVOLATILE PARAMETERS*										
Naphthalene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Acenaphthene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Anthracene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Fluoranthene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Fluorene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Pyrene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Chrysene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Acenaphthylene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
Phenanthrene	ND	ug/l	5.0	5.0	1	7/ 8/00	22:24	J.Fuqua	610	1633
VOLATILE ORGANICS by GC*										
Benzene	9.5	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677
Chlorobenzene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602/601	1677
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602/601	1677
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602/601	1677
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602/601	1677
Ethylbenzene	1.4	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677
Toluene	9.0	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677
m,p-Xylenes	9.1	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677
o-Xylene	1.5	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677
Bromodichloromethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Bromoform	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Bromomethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Chloroethane	1.4	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A95087
Sample ID: RW-7

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Chloroform	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Chloromethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Dibromochloromethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Vinyl chloride	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,1-Dichloroethane	1.4	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
cis-1,2-Dichloroethene	2.2	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Methylene chloride	ND	ug/l	5.0	5.0	1	7/14/00	16:49	T.Holmes	601	1677
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Tetrachloroethene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,1,1-Trichloroethane	2.6	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Trichloroethene	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	601	1677
MTBE	2.8	ug/l	1.0	1.0	1	7/14/00	16:49	T.Holmes	602	1677

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	7/ 8/00	J. Rudden	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A73087
Sample ID: RW-7

Surrogate	% Recovery	Target Range
FID Surr., α,α,α-trifluorotoluene	74.	50. - 150.
Hall Surr., 2-chloropropane	105.	49. - 123.
Hall Surr., chloroprene	114.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	104.	59. - 117.
PAH Surrogate	57.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 7/14/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report

07/17/00 16:19 ☎315 458 0249 ENVI LAB SVCS ☑013/013
07/06/00 THU 12:02 FAX 919 4693557

TESTAMERICA INC.

Page 1 of 1

Chain of Custody Record 00-0499

☐ Asheville, NC (A) (828) 254-5169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 294-6856 ☐ Lumberton, NC (K) (910) 738-6190 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford, IL (Q) (815) 874-2191
☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (P) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport, IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☐ Watertown, WI (R) (920) 261-1660

Client: ELS
Report Address: 7280 Caswell St. Hancock Air Park
N. Syracuse, N.Y. 13212
Attn: E. Bough
Phone No. (315) 458-8033
Fax No.: (315) 458-0249

Project No.: 0013-94-012
Invoice Address: Same
Attn: C. Ross
Sampled By: C. Ross
P.O. No.:
Quote No.:
State Samples Collected: NC

TURNAROUND TIME
☐ Standard
☐ Rush (surcharges may apply)
Date Needed: 7-13-00

REQUESTED PARAMETERS

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No ___
Is this work being conducted for regulatory enforcement action? Yes ___ No ✓
Which regulations apply:
RCRA ___ NPDES Wastewater ___
UST ✓ Drinking Water ___
Other ___ None ___

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	602 + MTBE	601	610	# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	
RW-6	7/6	8:00	G	H_2O		X			3						177300
RW-7	"	8:00	G	"		X	X	X	3					1	177301

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Init Lab Temp | Rec Lab Temp

COMMENTS: Nello Teer site 1 week TAT please

Relinquished By: Charles C. Ross	Date 7/6	Time 11:20	Received By: Karen Hoult	Date 7/6	Time 11:20
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY
Custody Seal: ☐ Yes ☐ No ☐ N/A

177065

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-AB3117
Sample ID: RW-8
Sample Type: Water
Site ID:

Date Collected: 6/14/00
Time Collected: 12:50
Date Received: 6/15/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Acenaphthene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Fluorene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Chrysene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Acenaphthylene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
Phenanthrene	ND	ug/l	5.0	5.0	1	6/19/00	20:37	K.Davis	610	8068
VOLATILE ORGANICS by GC										
Benzene	10.1	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602	7224
Chlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602/601	7224
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602/601	7224
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602/601	7224
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602/601	7224
Ethylbenzene	3.1	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602	7224
Toluene	1.2	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602	7224
m,p-Xylenes	4.9	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602	7224
o-Xylene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	602	7224
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224

ample report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-A83117
Sample ID: RW-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Vinyl chloride	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Trichloroethene	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/18/00	13:22	M.Hinelick	601	7224

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	6/16/00	J. Rudden	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 130.

mple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: OO-A83117
Sample ID: RW-8

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	76.	49. - 123.
Hall Surr., chloroprene	89.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	91.	59. - 117.
PAH Surrogate	57.	10. - 116.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0249, (800) 842-4667

Certified in:
- *Connecticu*
- *Delaware*
- *Maryland*
- *Massachusc*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvan*
- *Rhode Islan*

QUANTUM ENVIRONMENTAL, INC.
2200 GATEWAY BLVD., SUITE 205

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 994189
RECEIVED: 05/19/00

SITE ADDRESS: NELLO TEER

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 176739 CLIENT SAMPLE ID: MW-27/RW-9				**DATE SAMPLED: 05/19/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		05/23/00	EPA 601	387 (NC)

Douglas W. Mendrala
Laboratory Director

05/23/00
Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Laboratory Certification #

RECEIVED
MAY 30 2000

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A69799
Sample ID: MW-27
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name:
Sampler: C CROSS

Date Collected: 5/19/00
Time Collected: 9:45
Date Received: 5/20/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC*										
Chlorobenzene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	602/601	1673
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	602/601	1673
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	602/601	1673
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	602/601	1673
Bromodichloromethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Bromoform	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Bromomethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Chloroethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Chloroform	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Chloromethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Dibromochloromethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Vinyl chloride	8.3	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,1-Dichloroethane	84.5	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,1-Dichloroethene	75.1	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
cis-1,2-Dichloroethene	26.8	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Methylene chloride	ND	ug/l	5.0	5.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Tetrachloroethene	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,1,1-Trichloroethane	50.6	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Trichloroethene	16.0	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	5/23/00	13:46	M.Hinelick	601	1673

ND = Not detected at the report limit.

Sample report continued . . .

SPECIALIZED ASSAYS, INC.
2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 00-A69799
Sample ID: MW-27

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	73.	49. - 123.
Hall Surr., chloroprene	79.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	73.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 5/23/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

Chain of Custody Record

TESTAMERICA INC.

Page ____ *of* ____

☐ Asheville, NC (A) (828) 254-5169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 294-6856 ☐ Lumberton, NC (K) (910) 738-6190 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford, Il (Q) (815) 874-2171
☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (F) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport, IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☐ Watertown, WI (R) (920) 261-1660

Client: ELS
Report Address: 7820 Caswell St, Hancock Air Park, N. Syracuse, N.Y. 13212
Attn: Elizabeth Baugh
Phone No.: (315) 458-8033
Fax No.: (315) 458-0249

Project No.: 0013-94-012
Invoice Address: Same
Attn: C. Ross
Sampled By: C Ross
P.O. No:
Quote No.
State Samples Collected: NC

TURNAROUND TIME
☐ Standard
☒ Rush (surcharges may apply)
Date Needed: May 23, 2000

REQUESTED PARAMETERS: 601

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No ___
Is this work being conducted for regulatory enforcement action? Yes ___ No ✓
Which regulations apply: RCRA ___ NPDES Wastewater ___ UST ✓ Drinking Water ___ Other ___ None ___

ELS #	Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	601	# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
76739	MW-27/RW-9	5/19	9:45	G	H_2O		X	X						48 hr. TAT please

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Inst Lab Temp: ____ Rec Lab Temp: ____

COMMENTS: Need results by 5/23/00 4:00-pm 5:00 Nello Teer Site

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	5/19/2000		[signature]		
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY
Custody Seal: ☐ Yes ☐ No ☐ N/A
Bottles Supplied by TA: ☐ Yes ☐ No

~~994354~~
177070

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 00-A83122
Sample ID: RW-9
Sample Type: Water
Site ID:

Date Collected: 6/14/00
Time Collected: 12:00
Date Received: 6/15/00
Time Received: 9:00

Project: 0013-94-012
Project Name:
Sampler: C ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Bromodichloromethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Bromoform	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Bromomethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Chloroethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Chloroform	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Chloromethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Dibromochloromethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Vinyl chloride	7.3	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,1-Dichloroethane	75.6	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,1-Dichloroethene	64.2	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
cis-1,2-Dichloroethene	23.7	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Methylene chloride	ND	ug/l	5.0	5.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Tetrachloroethene	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,1,1-Trichloroethane	40.2	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Trichloroethene	15.8	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	6/20/00	7:27	M.Hinelick	601	7224

ND = Not detected at the report limit.

ple report continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

ANALYTICAL REPORT

Laboratory Number: 00-A83122
Sample ID: RW-9

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	50. - 150.
Hall Surr., 2-chloropropane	76.	49. - 123.
Hall Surr., chloroprene	95.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	70.	59. - 117.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 6/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A Lage, Technical Serv.
Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	Units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Naphthalene	ug/l	< 0.005	0.065	0.100	65	51. - 122.	8068	blank
Acenaphthene	ug/l	< 0.005	0.071	0.100	71	58. - 123.	8068	blank
Anthracene	ug/l	< 0.005	0.074	0.100	74	49. - 137.	8068	blank
Fluoranthene	ug/l	< 0.005	0.078	0.100	78	66. - 125.	8068	blank
Fluorene	ug/l	< 0.005	0.077	0.100	77	62. - 128.	8068	blank
Pyrene	ug/l	< 0.005	0.076	0.100	76	61. - 129.	8068	blank
Benzo(a)anthracene	ug/l	< 0.005	0.074	0.100	74	51. - 131.	8068	blank
Benzo(a)pyrene	ug/l	< 0.005	0.077	0.100	77	61. - 128.	8068	blank
Benzo(b)fluoranthene	ug/l	< 0.005	0.073	0.100	73	50. - 136.	8068	blank
Benzo(k)fluoranthene	ug/l	< 0.005	0.072	0.100	72	63. - 136.	8068	blank
Chrysene	ug/l	< 0.005	0.071	0.100	71	43. - 148.	8068	blank
Dibenzo(a,h)anthracene	ug/l	< 0.005	0.073	0.100	73	45. - 135.	8068	blank
Indeno(1,2,3-cd)pyrene	ug/l	< 0.005	0.075	0.100	75	39. - 139.	8068	blank
Acenaphthylene	ug/l	< 0.005	0.074	0.100	74	57. - 122.	8068	blank
Benzo(g,h,i)perylene	ug/l	< 0.005	0.088	0.100	88	40. - 140.	8068	blank
Phenanthrene	ug/l	< 0.005	0.076	0.100	76	53. - 135.	8068	blank
Benzene	ug/l	< 0.0010	0.0212	0.0200	106	39. - 150.	7224	00-A84420
Benzene	ug/l	0.0101	0.0314	0.0200	106	39. - 150.	7224	00-A83117
Chlorobenzene	ug/l	< 0.0010	0.0230	0.0200	115	55. - 135.	7224	00-A84420
Chlorobenzene	ug/l	< 0.0010	0.0227	0.0200	114	55. - 135.	7224	00-A83117
1,2-Dichlorobenzene	ug/l	< 0.0010	0.0221	0.0200	110	37. - 154.	7224	00-A84420
1,2-Dichlorobenzene	ug/l	< 0.0010	0.0200	0.0200	100	37. - 154.	7224	00-A83117
1,3-Dichlorobenzene	ug/l	< 0.0010	0.0195	0.0200	98	50. - 141.	7224	00-A84420
1,3-Dichlorobenzene	ug/l	< 0.0010	0.0182	0.0200	91	50. - 141.	7224	00-A83117
1,4-Dichlorobenzene	ug/l	< 0.0010	0.0248	0.0200	124	42. - 143.	7224	00-A84420
1,4-Dichlorobenzene	ug/l	< 0.0010	0.0226	0.0200	113	42. - 143.	7224	00-A83117
Ethylbenzene	ug/l	< 0.0010	0.0214	0.0200	107	32. - 160.	7224	00-A84420
Ethylbenzene	ug/l	0.0051	0.0238	0.0200	104	32. - 160.	7224	00-A83117
Toluene	ug/l	< 0.0010	0.0214	0.0200	107	46. - 148.	7224	00-A84420
Toluene	ug/l	0.0012	0.0219	0.0200	104	46. - 148.	7224	00-A83117
o-Xylene	ug/l	< 0.0010	0.0211	0.0200	106	74. - 126.	7224	00-A84420
o-Xylene	ug/l	< 0.0010	0.0214	0.0200	107	74. - 126.	7224	00-A83117
Bromodichloromethane	ug/l	< 0.0010	0.0203	0.0200	102	42. - 172.	7224	00-A84420
Bromodichloromethane	ug/l	< 0.0010	0.0200	0.0200	100	42. - 172.	7224	00-A83117
Bromoform	ug/l	< 0.0010	0.0186	0.0200	93	13. - 159.	7224	00-A84420
Bromoform	ug/l	< 0.0010	0.0189	0.0200	94	13. - 159.	7224	00-A83117
Bromomethane	ug/l	< 0.0010	0.0190	0.0200	95	18. - 144.	7224	00-A84420
Bromomethane	ug/l	< 0.0010	0.0175	0.0200	88	18. - 144.	7224	00-A83117
Carbon tetrachloride	ug/l	< 0.0010	0.0206	0.0200	103	43. - 143.	7224	00-A84420
Carbon tetrachloride	ug/l	< 0.0010	0.0219	0.0200	110	43. - 143.	7224	00-A83117
Chloroethane	ug/l	< 0.0010	0.0191	0.0200	96	46. - 137.	7224	00-A84420
Chloroethane	ug/l	< 0.0010	0.0167	0.0200	84	46. - 137.	7224	00-A83117

oject QC continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

2-Chloroethylvinylether	ug/l	< 0.0010	0.0033	0.0200	16	14. - 186.	7224	00-A84420
2-Chloroethylvinylether	ug/l	< 0.0010	0.0049	0.0200	24	14. - 186.	7224	00-A83117
Chloroform	ug/l	< 0.0010	0.0207	0.0200	104	49. - 133.	7224	00-A84420
Chloroform	ug/l	< 0.0010	0.0198	0.0200	99	49. - 133.	7224	00-A83117
Chloromethane	ug/l	< 0.0010	0.0111	0.0200	56	10. - 193.	7224	00-A84420
Chloromethane	ug/l	< 0.0010	0.0074	0.0200	37	10. - 193.	7224	00-A83117
Dibromochloromethane	ug/l	< 0.0010	0.0197	0.0200	98	24. - 191.	7224	00-A84420
Dibromochloromethane	ug/l	< 0.0010	0.0201	0.0200	100	24. - 191.	7224	00-A83117
Vinyl chloride	ug/l	< 0.0010	0.0191	0.0200	96	28. - 163.	7224	00-A84420
Vinyl chloride	ug/l	< 0.0010	0.0180	0.0200	90	28. - 163.	7224	00-A83117
1,1-Dichloroethane	ug/l	< 0.0010	0.0197	0.0200	100	47. - 132.	7224	00-A84420
1,1-Dichloroethane	ug/l	< 0.0010	0.0209	0.0200	104	47. - 132.	7224	00-A83117
1,2-Dichloroethane	ug/l	< 0.0010	0.0195	0.0200	98	51. - 147.	7224	00-A84420
1,2-Dichloroethane	ug/l	< 0.0010	0.0187	0.0200	94	51. - 147.	7224	00-A83117
1,1-Dichloroethene	ug/l	< 0.0010	0.0214	0.0200	107	28. - 167.	7224	00-A84420
1,1-Dichloroethene	ug/l	< 0.0010	0.0199	0.0200	100	28. - 167.	7224	00-A83117
cis-1,2-Dichloroethene	ug/l	< 0.0010	0.0203	0.0200	102	76. - 123.	7224	00-A84420
cis-1,2-Dichloroethene	ug/l	< 0.0010	0.0200	0.0200	100	76. - 123.	7224	00-A83117
trans-1,2-Dichloroethene	ug/l	< 0.0010	0.0205	0.0200	102	38. - 155.	7224	00-A84420
trans-1,2-Dichloroethene	ug/l	< 0.0010	0.0202	0.0200	101	38. - 155.	7224	00-A83117
1,2-Dichloropropane	ug/l	< 0.0010	0.0205	0.0200	102	44. - 156.	7224	00-A84420
1,2-Dichloropropane	ug/l	< 0.0010	0.0209	0.0200	104	44. - 156.	7224	00-A83117
cis-1,3-Dichloropropene	ug/l	< 0.0010	0.0186	0.0200	93	22. - 178.	7224	00-A84420
cis-1,3-Dichloropropene	ug/l	< 0.0010	0.0177	0.0200	88	22. - 178.	7224	00-A83117
trans-1,3-Dichloropropene	ug/l	< 0.0010	0.0178	0.0200	89	22. - 178.	7224	00-A84420
trans-1,3-Dichloropropene	ug/l	< 0.0010	0.0183	0.0200	92	22. - 178.	7224	00-A83117
Methylene chloride	ug/l	< 0.0050	0.0199	0.0200	100	25. - 162.	7224	00-A84420
Methylene chloride	ug/l	< 0.0050	0.0184	0.0200	92	25. - 162.	7224	00-A83117
1,1,2,2-Tetrachloroethane	ug/l	< 0.0010	0.0216	0.0200	108	8. - 184.	7224	00-A84420
1,1,2,2-Tetrachloroethane	ug/l	< 0.0010	0.0210	0.0200	105	8. - 184.	7224	00-A83117
Tetrachloroethene	ug/l	< 0.0010	0.0222	0.0200	111	26. - 162.	7224	00-A84420
Tetrachloroethene	ug/l	< 0.0010	0.0221	0.0200	110	26. - 162.	7224	00-A83117
1,1,1-Trichloroethane	ug/l	< 0.0010	0.0219	0.0200	110	41. - 138.	7224	00-A84420
1,1,1-Trichloroethane	ug/l	< 0.0010	0.0206	0.0200	103	41. - 138.	7224	00-A83117
1,1,2-Trichloroethane	ug/l	< 0.0010	0.0211	0.0200	106	39. - 136.	7224	00-A84420
1,1,2-Trichloroethane	ug/l	< 0.0010	0.0209	0.0200	104	39. - 136.	7224	00-A83117
Trichloroethene	ug/l	< 0.0010	0.0222	0.0200	111	35. - 146.	7224	00-A84420
Trichloroethene	ug/l	< 0.0010	0.0207	0.0200	104	35. - 146.	7224	00-A83117
Trichlorofluoromethane	ug/l	< 0.0010	0.0186	0.0200	93	21. - 156.	7224	00-A84420
Trichlorofluoromethane	ug/l	< 0.0010	0.0187	0.0200	94	21. - 156.	7224	00-A83117

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	ug/l	0.100	0.053	53	10 - 122	8068
Acenaphthene	ug/l	0.100	0.059	59	10 - 124	8068

Project QC continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	B.C. Batch
Anthracene	ug/l	0.100	0.062	62	10 - 126	8068
Fluoranthene	ug/l	0.100	0.067	67	14 - 123	8068
Fluorene	ug/l	0.100	0.065	65	10 - 142	8068
Pyrene	ug/l	0.100	0.065	65	10 - 140	8068
Benzo(a)anthracene	ug/l	0.100	0.061	61	12 - 135	8068
Benzo(a)pyrene	ug/l	0.100	0.062	62	10 - 128	8068
Benzo(b)Fluoranthene	ug/l	0.100	0.059	59	6 - 150	8068
Benzo(k)Fluoranthene	ug/l	0.100	0.059	59	10 - 159	8068
Chrysene	ug/l	0.100	0.059	59	10 - 199	8068
Dibenzo(a,h)anthracene	ug/l	0.100	0.059	59	10 - 110	8068
Indeno(1,2,3-cd)pyrene	ug/l	0.100	0.060	60	10 - 116	8068
Acenaphthylene	ug/l	0.100	0.061	61	10 - 139	8068
Benzo(g,h,i)perylene	ug/l	0.100	0.070	70	10 - 116	8068
Phenanthrene	ug/l	0.100	0.065	65	10 - 155	8068
Benzene	ug/l	0.0500	0.0459	92	77 - 123	7224
Chlorobenzene	ug/l	0.0500	0.0499	100	81 - 120	7224
1,2-Dichlorobenzene	ug/l	0.0500	0.0497	99	68 - 132	7224
1,3-Dichlorobenzene	ug/l	0.0500	0.0543	109	73 - 128	7224
1,4-Dichlorobenzene	ug/l	0.0500	0.0497	99	70 - 131	7224
Ethylbenzene	ug/l	0.0500	0.0482	96	63 - 137	7224
Toluene	ug/l	0.0500	0.0467	93	78 - 123	7224
m,p-Xylenes	ug/l	0.1000	0.1010	101	70 - 130	7224
o-Xylene	ug/l	0.0500	0.0472	94	70 - 130	7224
Bromodichloromethane	ug/l	0.0500	0.0514	103	76 - 124	7224
Bromoform	ug/l	0.0500	0.0524	105	74 - 127	7224
Bromomethane	ug/l	0.0500	0.0440	88	59 - 142	7224
Carbon tetrachloride	ug/l	0.0500	0.0508	102	69 - 132	7224
Chloroethane	ug/l	0.0500	0.0493	99	77 - 123	7224
2-Chloroethylvinylether	ug/l	0.0500	0.0506	101	60 - 140	7224
Chloroform	ug/l	0.0500	0.0527	105	73 - 125	7224
Chloromethane	ug/l	0.0500	0.0387	77	60 - 141	7224
Dibromochloromethane	ug/l	0.0500	0.0532	106	66 - 135	7224
Ethylene Dibromide	ug/l	0.0500	0.0515	103	70 - 130	7224
Vinyl chloride	ug/l	0.0500	0.0499	100	70 - 130	7224
Dichlorodifluoromethane	ug/l	0.0500	0.0489	98	70 - 130	7224
1,1-Dichloroethane	ug/l	0.0500	0.0515	103	84 - 116	7224
1,2-Dichloroethane	ug/l	0.0500	0.0510	102	72 - 129	7224
1,1-Dichloroethene	ug/l	0.0500	0.0500	100	63 - 137	7224
cis-1,2-Dichloroethene	ug/l	0.0500	0.0537	107	70 - 130	7224
trans-1,2-Dichloroethene	ug/l	0.0500	0.0487	97	64 - 136	7224
1,2-Dichloropropane	ug/l	0.0500	0.0508	102	74 - 126	7224
cis-1,3-Dichloropropene	ug/l	0.0500	0.0545	109	63 - 136	7224

oject QC continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
trans-1,3-Dichloropropene	ug/l	0.0500	0.0548	110	70 - 130	7224
Methylene chloride	ug/l	0.0500	0.0499	100	78 - 123	7224
1,1,2,2-Tetrachloroethane	ug/l	0.0500	0.0501	100	49 - 151	7224
Tetrachloroethene	ug/l	0.0500	0.0491	98	70 - 130	7224
1,1,1-Trichloroethane	ug/l	0.0500	0.0499	100	71 - 129	7224
1,1,2-Trichloroethane	ug/l	0.0500	0.0497	99	79 - 122	7224
Trichloroethene	ug/l	0.0500	0.0529	106	77 - 123	7224
Trichlorofluoromethane	ug/l	0.0500	0.0450	90	67 - 134	7224

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Naphthalene	< 0.005	ug/l	8068
Acenaphthene	< 0.005	ug/l	8068
Anthracene	< 0.005	ug/l	8068
Fluoranthene	< 0.005	ug/l	8068
Fluorene	< 0.005	ug/l	8068
Pyrene	< 0.005	ug/l	8068
Benzo(a)anthracene	< 0.005	ug/l	8068
Benzo(a)pyrene	< 0.005	ug/l	8068
Benzo(b)fluoranthene	< 0.005	ug/l	8068
Benzo(k)fluoranthene	< 0.005	ug/l	8068
Chrysene	< 0.005	ug/l	8068
Dibenzo(a,h)anthracene	< 0.005	ug/l	8068
Indeno(1,2,3-cd)pyrene	< 0.005	ug/l	8068
Acenaphthylene	< 0.005	ug/l	8068
Benzo(g,h,i)perylene	< 0.005	ug/l	8068
Phenanthrene	< 0.005	ug/l	8068
Benzene	< 0.0010	ug/l	7224
Benzene	< 0.0010	ug/l	7224
Chlorobenzene	< 0.0010	ug/l	7224
Chlorobenzene	< 0.0010	ug/l	7224
1,2-Dichlorobenzene	< 0.0010	ug/l	7224
1,2-Dichlorobenzene	< 0.0010	ug/l	7224
1,3-Dichlorobenzene	< 0.0010	ug/l	7224
1,3-Dichlorobenzene	< 0.0010	ug/l	7224
1,4-Dichlorobenzene	< 0.0010	ug/l	7224
1,4-Dichlorobenzene	< 0.0010	ug/l	7224
Ethylbenzene	< 0.0010	ug/l	7224
Ethylbenzene	< 0.0010	ug/l	7224
Toluene	< 0.0010	ug/l	7224

oject QC continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Toluene	< 0.0010	mg/l	7224
m,p-Xylenes	< 0.0010	mg/l	7224
m,p-Xylenes	< 0.0010	mg/l	7224
o-Xylene	< 0.0010	mg/l	7224
o-Xylene	< 0.0010	mg/l	7224
Bromodichloromethane	< 0.0010	mg/l	7224
Bromodichloromethane	< 0.0010	mg/l	7224
Bromoform	< 0.0010	mg/l	7224
Bromoform	< 0.0010	mg/l	7224
Bromomethane	< 0.0010	mg/l	7224
Bromomethane	< 0.0010	mg/l	7224
Carbon tetrachloride	< 0.0010	mg/l	7224
Carbon tetrachloride	< 0.0010	mg/l	7224
Chloroethane	< 0.0010	mg/l	7224
Chloroethane	< 0.0010	mg/l	7224
2-Chloroethylvinylether	< 0.0010	mg/l	7224
2-Chloroethylvinylether	< 0.0010	mg/l	7224
Chloroform	< 0.0010	mg/l	7224
Chloroform	< 0.0010	mg/l	7224
Chloromethane	< 0.0010	mg/l	7224
Chloromethane	< 0.0010	mg/l	7224
Dibromochloromethane	< 0.0010	mg/l	7224
Dibromochloromethane	< 0.0010	mg/l	7224
Ethylene Dibromide	< 0.0010	mg/l	7224
Ethylene Dibromide	< 0.0010	mg/l	7224
Vinyl chloride	< 0.0010	mg/l	7224
Vinyl chloride	< 0.0010	mg/l	7224
Dichlorodifluoromethane	< 0.0010	mg/l	7224
Dichlorodifluoromethane	< 0.0010	mg/l	7224
1,1-Dichloroethane	< 0.0010	mg/l	7224
1,1-Dichloroethane	< 0.0010	mg/l	7224
1,2-Dichloroethane	< 0.0010	mg/l	7224
1,2-Dichloroethane	< 0.0010	mg/l	7224
1,1-Dichloroethene	< 0.0010	mg/l	7224
1,1-Dichloroethene	< 0.0010	mg/l	7224
cis-1,2-Dichloroethene	< 0.0010	mg/l	7224
cis-1,2-Dichloroethene	< 0.0010	mg/l	7224
trans-1,2-Dichloroethene	< 0.0010	mg/l	7224
trans-1,2-Dichloroethene	< 0.0010	mg/l	7224
1,2-Dichloropropane	< 0.0010	mg/l	7224
1,2-Dichloropropane	< 0.0010	mg/l	7224
cis-1,3-Dichloropropene	< 0.0010	mg/l	7224

oject QC continued . . .

TestAmerica
INCORPORATED

2960 Foster Creighton Dr
Nashville, TN 37204
615-726-0177
Fax: 615-726-0954

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
cis-1,3-Dichloropropene	< 0.0010	ug/l	7224
trans-1,3-Dichloropropene	< 0.0010	ug/l	7224
trans-1,3-Dichloropropene	< 0.0010	ug/l	7224
Methylene chloride	< 0.0050	ug/l	7224
Methylene chloride	< 0.0050	ug/l	7224
1,1,2,2-Tetrachloroethane	< 0.0010	ug/l	7224
1,1,2,2-Tetrachloroethane	< 0.0010	ug/l	7224
Tetrachloroethene	< 0.0010	ug/l	7224
Tetrachloroethene	< 0.0010	ug/l	7224
1,1,1-Trichloroethane	< 0.0010	ug/l	7224
1,1,1-Trichloroethane	< 0.0010	ug/l	7224
1,1,2-Trichloroethane	< 0.0010	ug/l	7224
1,1,2-Trichloroethane	< 0.0010	ug/l	7224
Trichloroethene	< 0.0010	ug/l	7224
Trichloroethene	< 0.0010	ug/l	7224
Trichlorofluoromethane	< 0.0010	ug/l	7224
Trichlorofluoromethane	< 0.0010	ug/l	7224

End of Report for Project 196091

06/14/00 WED 18:00 FAX 919 4693557 003

ain of Custody Record 00-0415 TESTAMERICA INC.

Page 1 of 1

☐ Asheville, NC (A) (828) 254-5169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 294-6856 ☐ Lumberton, NC (K) (910) 738-6100 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford, Il (Q) (815) 874-2171
☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (F) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport, IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☐ Watertown, WI (R) (920) 261-1660

Client: ELS
Report Address: 7820 Caswell St. Hancock Air Park
N. Syracuse N.Y. 13212
Attn: E. Bough
Phone No.: (315) 458-8033
Fax No.: 458-0249

Project No.: 0013-94-012
Invoice Address: Same
Attn: C. Ross
Sampled By: CCR
P.O. No:
Quote No.
State Samples Collected: NC

TURNAROUND TIME
☑ Standard
☐ Rush (surcharges may apply)
Date Needed: 6/28 or 29

REQUESTED PARAMETERS

Is this work being conducted for regulatory compliance monitoring? Yes ✓ No___

Is this work being conducted for regulatory enforcement action? Yes___ No ✓

Which regulations apply:
RCRA___ NPDES Wastewater___
UST ✓ Drinking Water___
Other___ None___

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	RW 2 601	602	610							# and type of containers HCl	NaOH	HNO_3	H_2SO_4	Other	None	ELS#	REMARKS
RW-1	6/14	12:30	G	H_2O		X	X	[illegible]							2					[illegible]	177062	
RW-2	6/14	13:40	"			X	X	X							2					1	177063	
RW-3	6/14	12:40	"			X	X	X							2					1	177064	
RW-8	6/14	12:50	"			X	X	X							2					1	177065	
RW-4	6/14	13:00				X	X	X							2					1	177066	
RW-5	6/14	12:10	"			X									2						177067	
RW-6	6/14	12:20	"			X									2						177068	
RW-7	"	16:40	"			X									2						177069	
RW-9	6/14	12:00	"			X									2						177070	
																					~~177071~~	

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Init Lab Temp | Rec Lab Temp

COMMENTS: NO 610 sample for RW-1

Relinquished By: [signature]	Date 6/14	Time 17:15	Received By: [signature]	Date 6/14/00	Time 17:15
Relinquished By: [signature]	Date 6/14	Time 17:15	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY:
Custody Seal: ☐ Yes ☐ No ☐ N/A
Bottles Supplied by TA: ☐ Yes ☐ No