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Program	IHS (IHS)
DocCat	FACILITY

GROUNDWATER MONITORING REPORT
DECEMBER 2001
Former Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina

Prepared for:
Hanson Aggregates
2300 Gateway Centre Blvd.
Morrisville, North Carolina 27560

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

April, 2002

Quantum Project No. 0013-94-012

Quantum

Quantum Environmental, Inc.

April 24, 2002

Mr. Mark Powers
North Carolina Department of Environment and Natural Resources
Raleigh Regional Office
1628 Mail Service Center
Raleigh, N.C. 27699-1628

Re: Nello Teer Quarry, Denfield Street, Durham, NC
Semi-Annual Groundwater Monitoring Report Submittal
Groundwater Incident No. 9357

Dear Mr. Powers:

On behalf of Hanson Aggregates, Quantum Environmental, Inc. (Quantum) is submitting the enclosed semi-annual groundwater monitoring report for the above-referenced groundwater incident. This report documents the groundwater conditions at the site in late December 2001 and early January 2002.

If you have any questions regarding the enclosed report please contact me at (919) 852-3595.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.

Thomas W. Davis

Thomas W. Davis, P.G
Project Hydrogeologist

L02-080

cc: Mr. Steve Edgerton, P.G., Hanson Aggregates
Mr. Eric Rice, DENR, Groundwater Section, RRO

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

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

Date of Report: April 24, 2002

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**

Thomas Davis, P.G.
Project Manager

4/24/02

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1.0 Background

On December 28-29, 2001 and January 2, 2002, 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 TestAmerica and Environmental Laboratory Services (ELS), and recommendations. Recovery wells were also sampled during this event to better define the contaminant plumes and assess the progress of the site cleanup.

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, at this time it is used for aggregate staging and equipment maintenance only, with no active mining operations 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 gasoline 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 apparently indicated a large volume of contaminated soil 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 of soil samples.

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 the groundwater remediation system in October 1997. To date over 9.5 million gallons of groundwater have been recovered and successfully 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 gasoline 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, and 9), and one deep recovery well is located between the two source areas (RW-1). A Well Location Map is presented as Figure 2. Ten monitoring wells make up the current groundwater monitoring well sampling network. Water level measurements were also obtained from twelve additional 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. 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 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 gauged are presented in Table 1.

All monitoring wells sampled were purged by removing at least three well volumes of groundwater, or until the wells went dry, using new disposable bailers and new nylon rope. Purge water and decontamination water was disposed of on-site through the remediation system. After 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-14I, MW-15I, MW-20D and MW-23
Recovery wells RW-1, RW-2, RW-3, RW-4 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 using EPA Methods 601, 602, and/or 610 where applicable. A copy of the 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 with an average hydraulic gradient of 0.023ft/ft. Water levels were

generally lower than during the previous sampling event. The groundwater flow direction for the deep aquifer was determined to be to the northwest, 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 December 2001 sampling event. Figures 3 and 4 present potentiometric surface maps of the shallow and deep aquifers, respectively.

3.1 Discussion of Sampling Results, Chlorinated VOCs

Laboratory analytical results from the December 2001 semi-annual sampling event indicate that levels of chlorinated hydrocarbons detected in the groundwater monitoring wells have not decreased since the June 2001 sampling event. Monitoring well MW-25 currently indicates that total chlorinated volatile organic compounds (CVOCs) are present at 999 ug/l, with four constituents exceeding the 2L limits. MW-25 has shown moderate increases since December 2000, with a slight rebound during each December event. The present change for MW-25 is a 15 percent increase since June 2000. The long-term decrease in chlorinated volatile organic contaminant concentrations in MW-25 indicates a decrease of approximately 90 percent from the peak levels observed in August 1995.

Chlorinated hydrocarbons concentrations in the vicinity of the former asphalt plant have shown moderate decreases in concentrations in the shallow aquifer, and have not changed appreciably in the deep aquifer since the December 2000 sampling event. Deep recovery well RW-9 currently indicates three chlorinated compounds above the 2L Standard, with total CVOCs of 427 ug/l. The exceedences average approximately ten times the referenced 2L Standard. Detected CVOCs concentrations in the deep aquifer have been approximately one-third that of the shallow aquifer. Of the four shallow and two deep monitoring wells that previously contained of vinyl chloride, a final degradation product of chlorinated hydrocarbons, three monitoring wells (MW-17, MW-18 and MW-25) showed elevated concentrations of vinyl chloride for the current sampling period. Three of the four recovery wells in this area continue to contain vinyl chloride above the 2L standard, although the concentration in RW-7 is only at the method detection limit of 1 ug/l. 1,1,1 trichlorethane detected above NCAC 2IL Standards in MW- 25, RW-9 and RW-5. An isoconcentration map for 1,1,1 trichlorethane in shallow groundwater is presented as Figure 10.

Summaries of the current laboratory analytical results for the shallow and deep aquifers are presented in Tables 2 and Table 3, respectively. Figure 7 indicates the vinyl chloride isoconcentration map for the shallow aquifer. Figures 8 and 9 show the trichloroethene, and 1,1-dichloroethene isoconcentration maps, respectively, for the shallow aquifer. Table 4 provides the complete historical monitoring well data from 1993 through the current monitoring period, and Table 5 shows the historical results for the recovery wells at the site. Overall, sampling results from the site indicate the gradual decrease in groundwater concentrations. This historic data has been plotted in a series of groundwater concentration versus time graphs illustrating the decrease in groundwater concentrations for representative monitoring wells at the site. These graphs are presented as Appendix B.

3.2 Discussion of Sampling Results, Petroleum Hydrocarbons

Laboratory analytical results from the December 2001 semi-annual sampling event indicate that levels of petroleum hydrocarbons detected in the groundwater monitoring wells have continued to decrease in all wells except MW-23 since the December 2000 sampling event. Concentrations in monitoring well MW-20D are currently below the established site cleanup level, indicating that the deeper portions of the aquifer are no longer impacted by petroleum hydrocarbons. MW-23 has remained constant in total VOC/BTEX concentrations since 1998. For this reason, a recommendation was made to the Innovative Technology Committee of NCDENR in June 2001 to directly inject Oxygen Release Compound ORC® in three boreholes around MW-23, in order to assist the natural attenuation/biodegradation process. ORC® socks had been placed in this well through the period August 2000 to August 2001; however, benzene levels were not appreciably affected during the period. It is believed that ORC® socks may have been too limited an application to adequately treat the lingering contamination in this monitoring well. On December 18, 2002, three boreholes (B-1, B-2 and B-3) were placed in the vicinity of MW-23. Each borehole was completed to a depth of 48 feet bgs. The treated zone for each borehole was determined to be from approximately 33 to 48 feet bgs. A total of 150 pounds of ORC® was applied to the water table in the vicinity of MW-23, approximately 50 pounds per borehole. An additional 60 pounds of ORC® was subsequently added to the water table on April 22, 2002.

The site was discussed with Mr. Bob Davies of the NCDENR-RRO UST Section in detail in May 2001 to update the regulatory status of the site and the progress towards NCDENR approved closure. The results of the conversation were that the site specific cleanup levels for benzene at the site was determined to be 12 ug/l, due to the presence of surface water within 500 feet of the source area. Mr. Davies also indicated that an updated receptor survey would also be necessary.

Petroleum hydrocarbon levels in the vicinity of the former service station have continued to show moderate decreases in concentrations. The estimated area impacted by petroleum hydrocarbons decreased by more than fifty percent since December 2000 as can been seen in Figure 5. Of the three monitoring wells that previously indicated the presence of benzene (MW-20D, MW-23 and MW-15I), only MW-23 continues to show concentrations at or above the established site cleanup standard of 12 ug/l. Only one of the five recovery wells still contain elevated BTEX concentrations (RW-3). Recovery wells RW-2, RW-4 and RW-8 have been taken out of continuous service, as all three wells have indicated concentrations below the cleanup standard for at least two consecutive sampling events. The sampling results for RW-3 indicate that petroleum concentrations remain elevated. This well formerly contained liquid phase petroleum, and has consistently exhibited the highest concentrations of any wells in the petroleum plume area. While RW-3 indicates little or no reduction in contaminant concentrations since the previous sampling event, a relatively high quantity of groundwater recovery continues to occur in this well (> 2000 gallons/day). Current contaminant reductions in RW-3 are on the order of 75 percent from the highs measured in August, 1999.

The benzene concentration in MW-20D is still present, indicating that the deeper portions of the aquifer have not been adequately remediated. An isoconcentration map for benzene concentrations in groundwater can be found in Figure 6. RW-1 was operated only intermittently

during the period December 2000-June 2001 in order to prevent drawing chlorinated compounds away from their current area. There were two wells (MW-23, RW-3) with concentrations of Naphthalene above NCAC 2L standards. An isoconcentration map for naphthalene in groundwater is presented on Figure 11. Currently RW-1 indicates no detectable petroleum concentrations; however, two chlorinated constituents are present slightly above the 2L standards (TCE at 4.8 ug/l versus 2.8 ug/l standard and vinyl chloride at 2.8 ug/l).

4.0 Remedial System Operation Summary

Operation of the remediation system for the period from December 2000 through June 2001 continued without interruption. 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, activated carbon replacement and disposal, and replacement and troubleshooting of various other remedial system items and components. 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, water table elevations rose significantly since the previous sampling event. Neither the direction nor the gradient of groundwater flow changed appreciably for either aquifer during the current monitoring period.

A continued decrease in petroleum-based groundwater contaminant concentrations (primarily benzene) occurred during the monitoring period. The aereal extent of the petroleum plume has decreased by more than fifty percent during the period as shown in Figure 5. The deeper portions of the aquifer in the central portion of the site have surpassed the remedial goal of 12 ug/l benzene (2L Standard), and are currently less than 1 ug/l.

Chlorinated hydrocarbon concentrations have continued to decrease at the site, but at an unacceptably slow pace. The chlorinated plume appears to be in need of accentuated treatment, and an HRC® injection event has been proposed to deal with the remnant VOC concentrations. Without accentuated treatment, concentrations are not expected to decrease at an acceptable rate. Concentrations of vinyl chloride, and other degradation by-products of the chlorinated compounds present at the site were detected in three monitoring wells and four recovery wells during the current groundwater-monitoring event. The vinyl chloride concentrations were lower in all three monitoring wells when compared with the December 2000 sampling results.

Based on the results of the current semi-annual sampling event, Quantum recommends that operation of the groundwater remediation system continue until concentrations in RW-3 reach or exceed the remedial goal of 12 ug/l benzene for two consecutive events. As groundwater recovery in the chlorinated plume is exceptionally low, and the cost of maintenance of the system is high,

Quantum believes that HRC® treatment will be preferable to bring about the desired reductions in contaminant levels in the chlorinated plume, whereas the current groundwater recovery system is considered inadequate to complete the task of decreasing the levels of chlorinated VOCs. Quantum believes that as the system continues to operate, the petroleum hydrocarbon plume should reach the remedial goal for this area and the system may be deactivated. Without additional treatment, Quantum anticipates less contaminant reduction in the chlorinated plume in the future, with a low potential to reach the 2L Standards. Quantum recommends the use of Hydrogen Release Compound HRC® in this area to expedite cleanup. Prior to finalizing the HRC® injection it is recommended that the full vertical and lateral extent of the chlorinated plume be delineated. At that time a final decisioin concerning the use of HRC® as well as alternative methods of accelerating the remediation of the chlorinated solvents should be evaluated.

While an amended and more reasonable cleanup goal has been established for the petroleum plume area, no such amended remedial goals exist for the chlorinated contaminant plume area. At the present time, DENR policy mandates that the 2L Standards must be attained in order to reach closure.

Based on the results of the current sampling event in comparison with previous years' data, concentrations of contaminants have continued to decrease at the site, as five of the nine recovery wells at the site now produce non-detectable to trace levels of contaminants. Quantum anticipates further decreases over time.

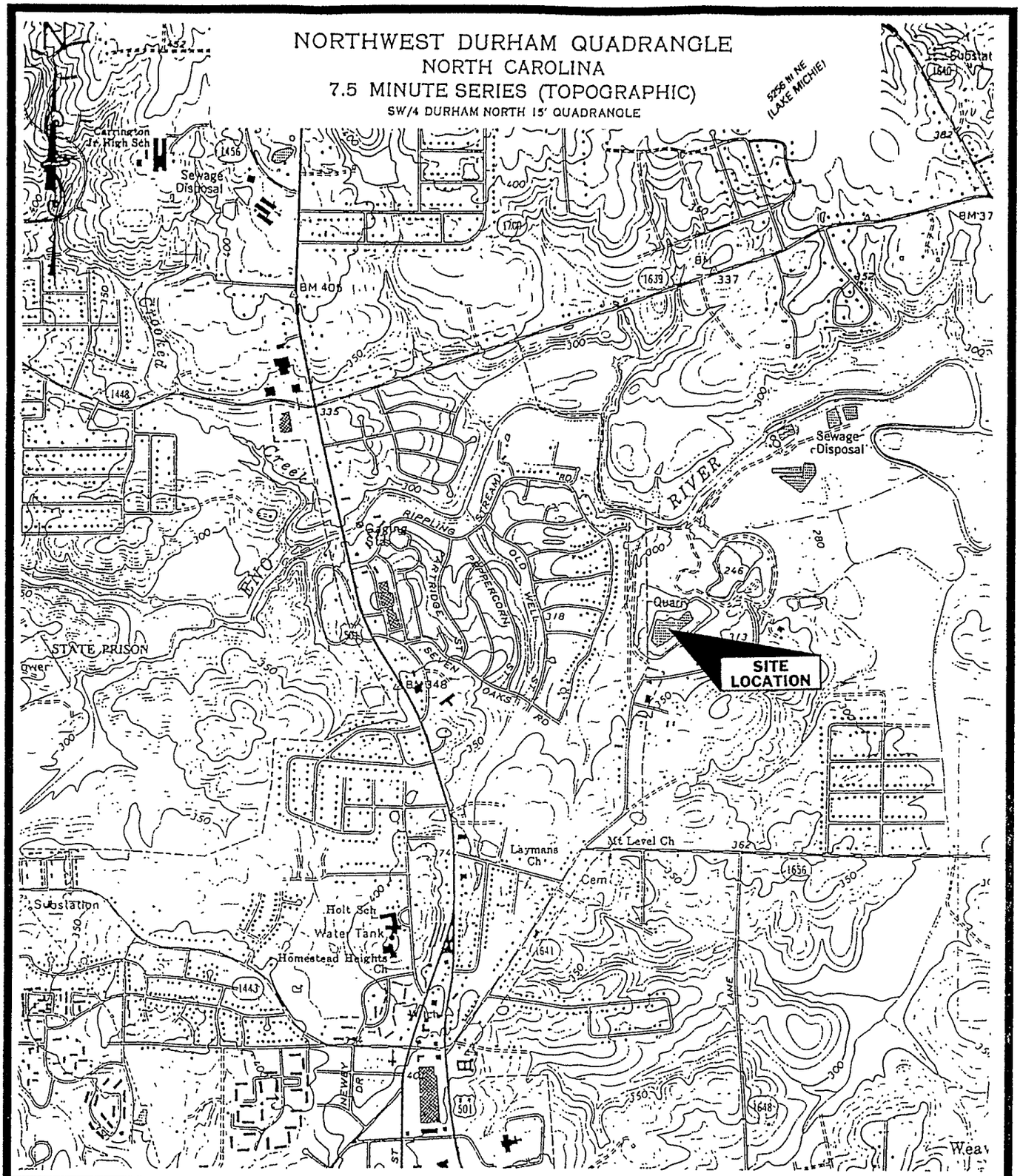
Figures

Quantum Project No. 0013-94-012

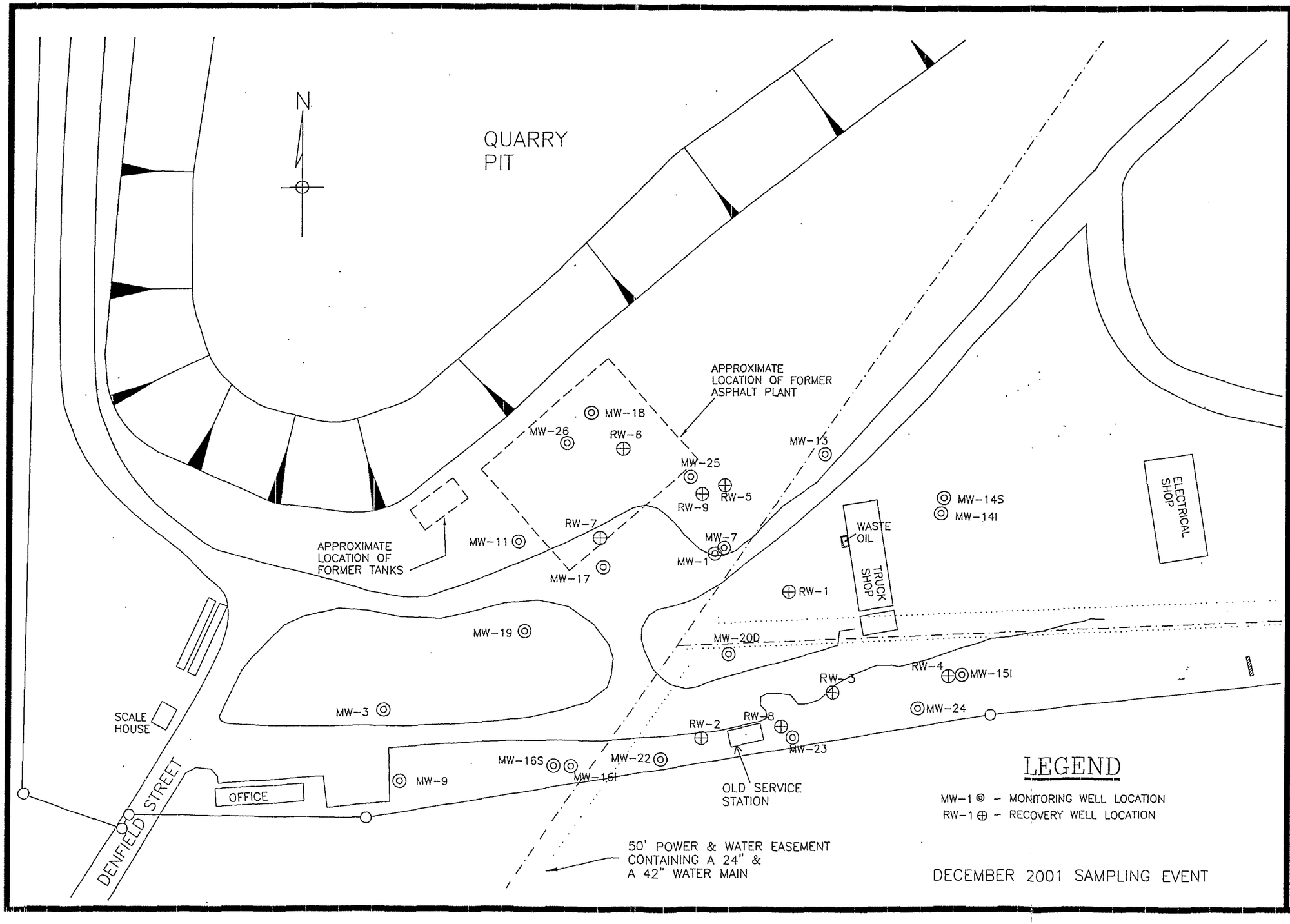
Figures

R02-004

April- 2002



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.
6001 Chapel Hill Road, Suite 108 Raleigh, North Carolina 27607
Phone 919.832.3180 Fax 919.832.1969

FIGURE 2

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WELL LOCATION MAP
NELLO L. TEER
DURHAM QUARRY

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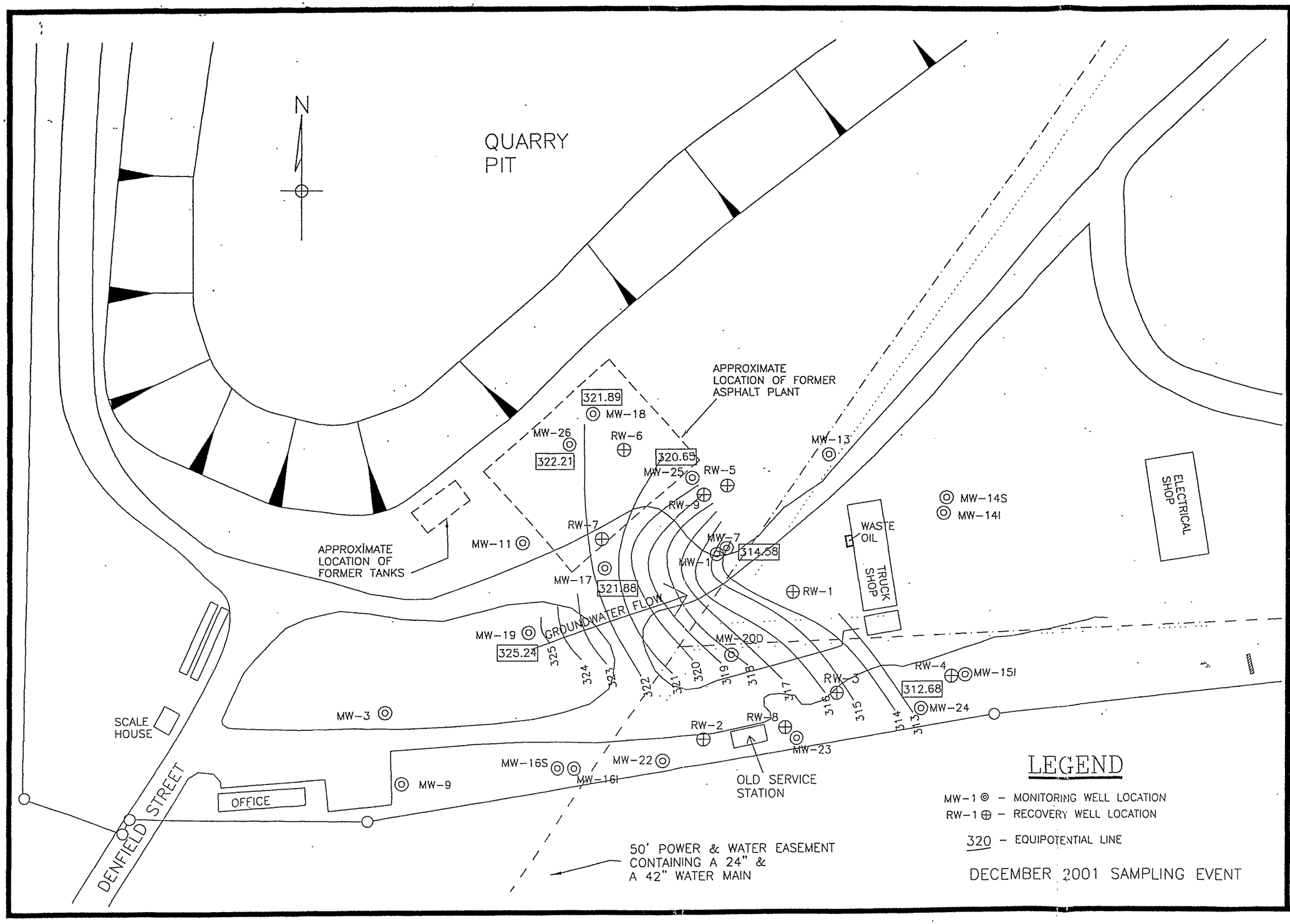
0013-94-012
SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL DATE
1/02 / 9/01		



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6001 Chapel Hill Road, Suite 105 Raleigh, North Carolina 27607
Phone 919.852.2481 Fax 919.852.1961

FIGURE 3

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SHALLOW AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

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Project No.
0013-94-012

SCALE: 1" = 110'

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DATE	DATE	DATE
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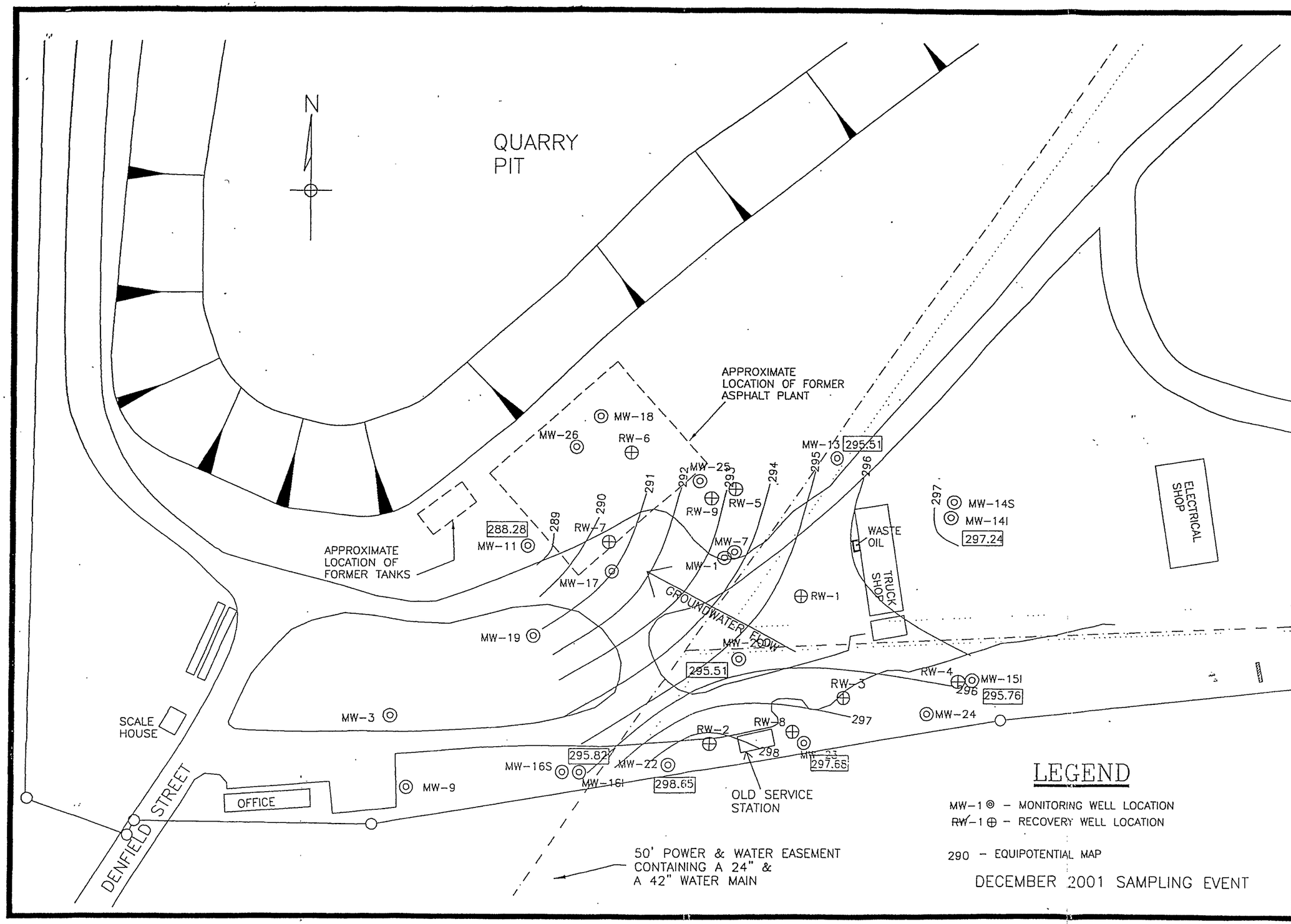

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FIGURE 4

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DEEP AQUIFER POTENTIOMETRIC MAP

NELLO L. TEER DURHAM QUARRY

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SCALE: 1"= 110'

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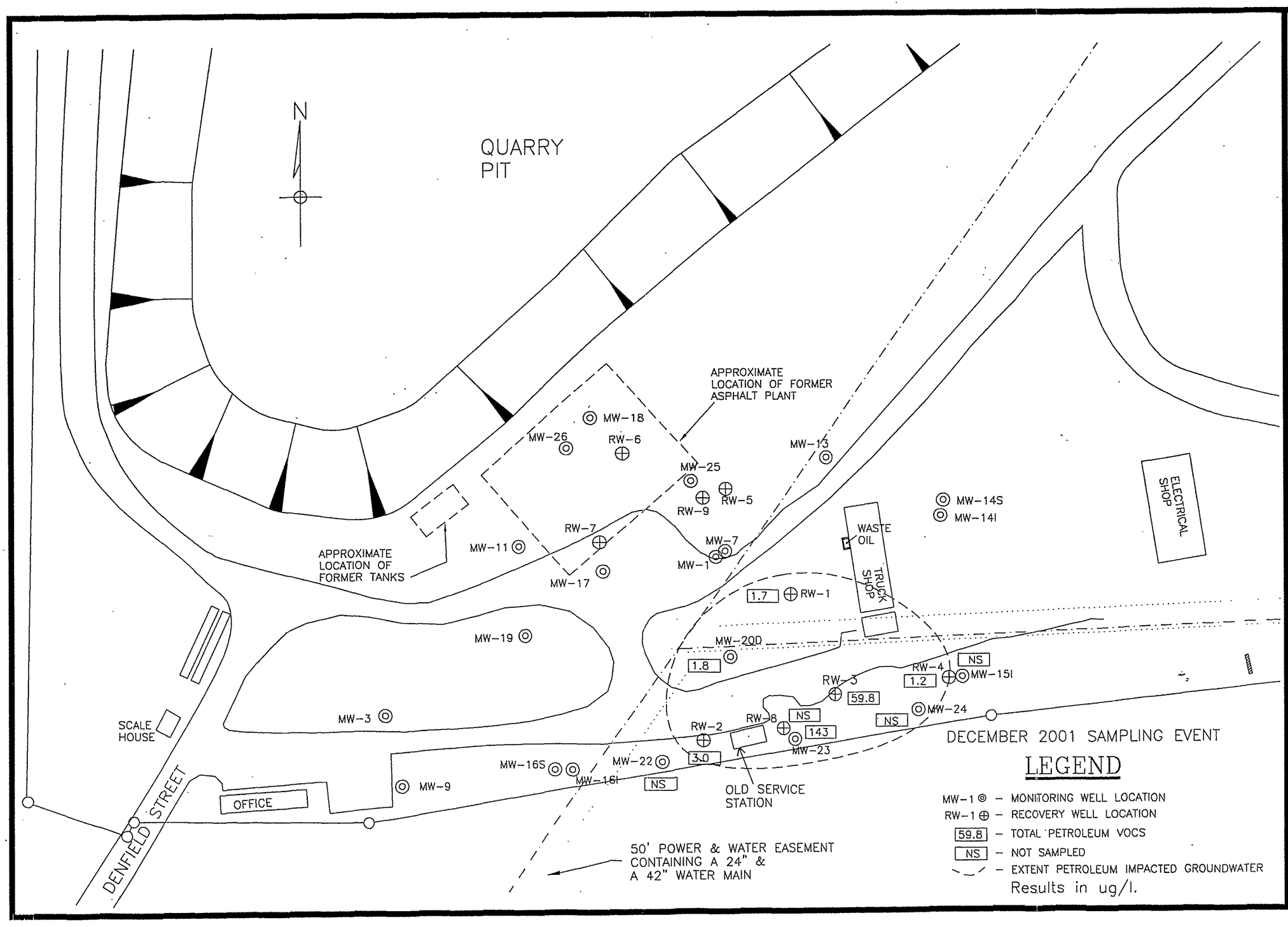

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Phone 919.852.2100 Fax 919.852.2101

FIGURE 5

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AREAL EXTENT OF PETROLEUM IMPACTED GROUNDWATER
NELLO L. TEER
DURHAM QUARRY

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0013-94-012
SCALE: 1" = 110'

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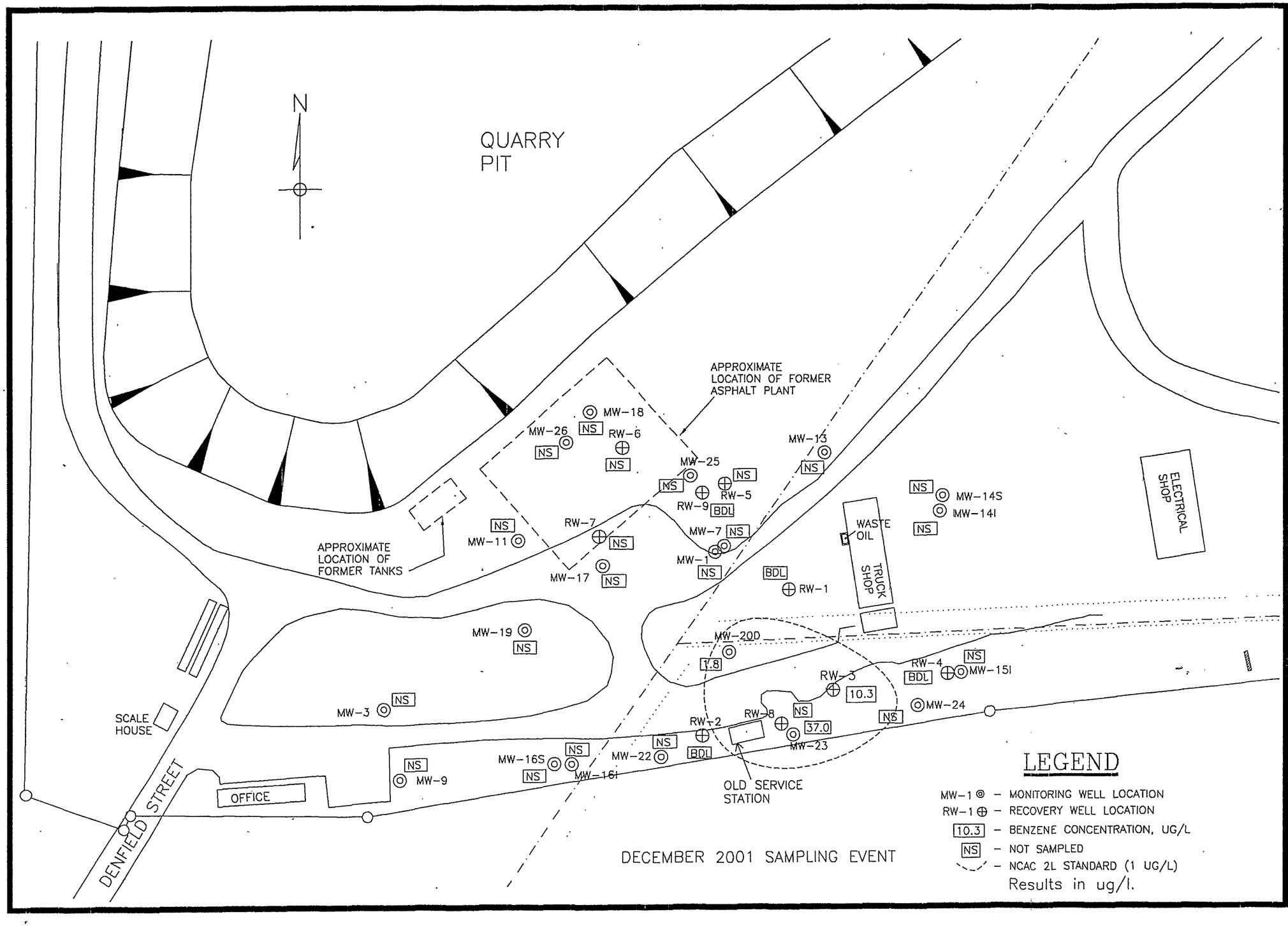

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FIGURE 6

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BENZENE PLUME
NELLO L. TEER
DURHAM QUARRY

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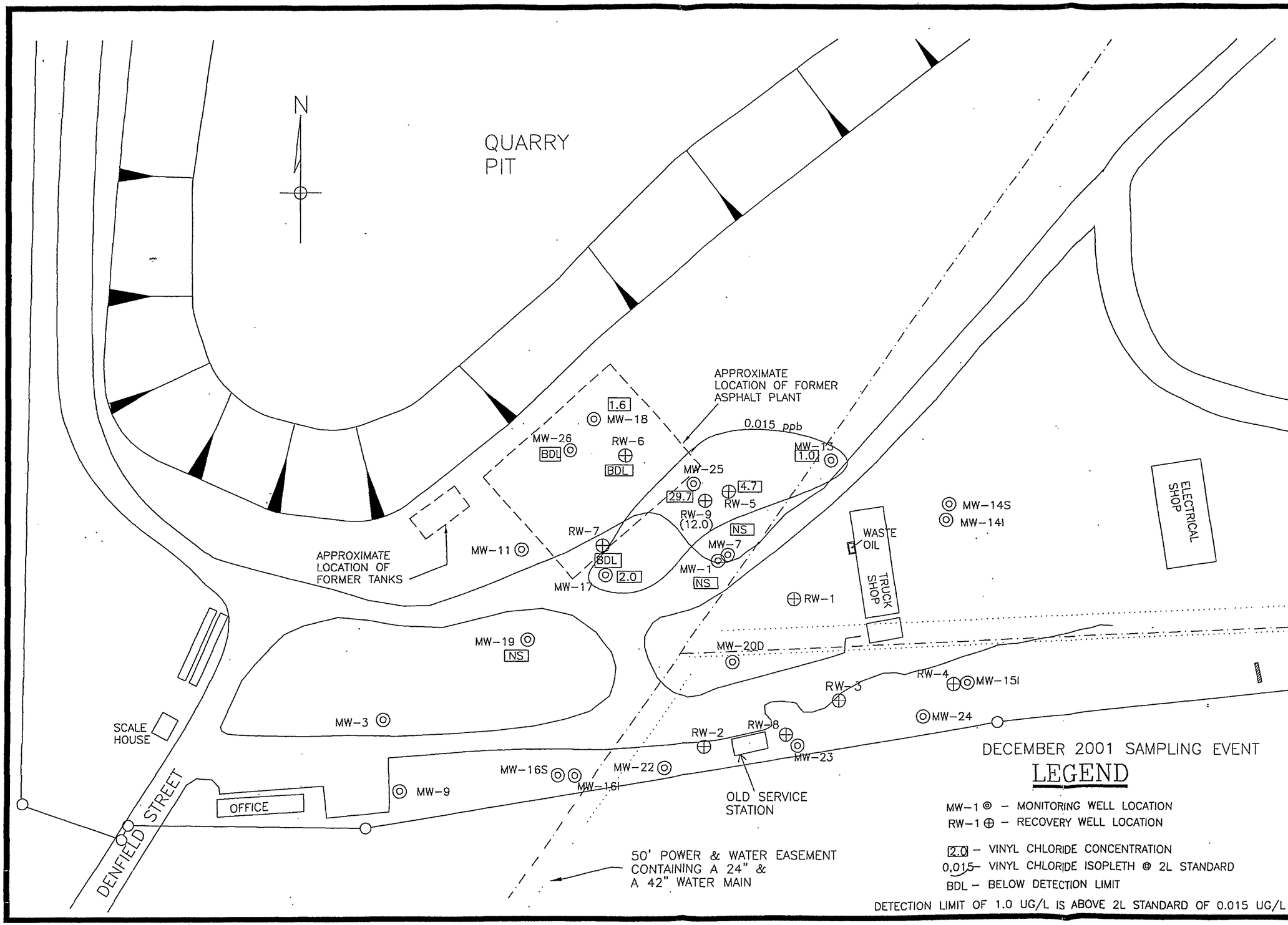

Geomatrix Environmental, Inc.
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FIGURE 7

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SHALLOW AQUIFER
VINYL CHLORIDE PLUME
NELLO L. TEER
DURHAM QUARRY

Revisions

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0013-94-012
SCALE: 1"= 110'

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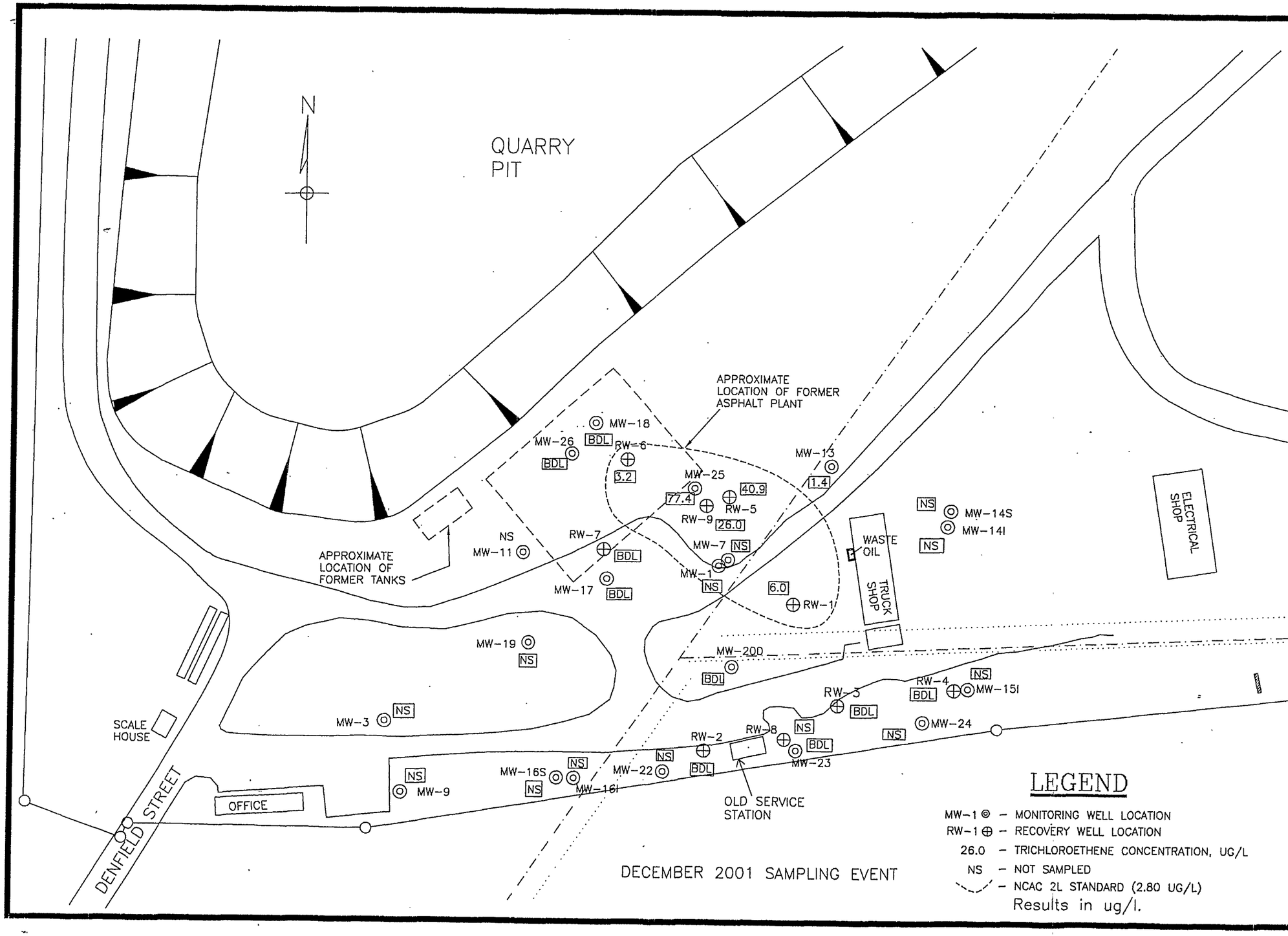

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FIGURE 8

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TRICHLOROETHENE PLUME
NELLO L. TEER
DURHAM QUARRY

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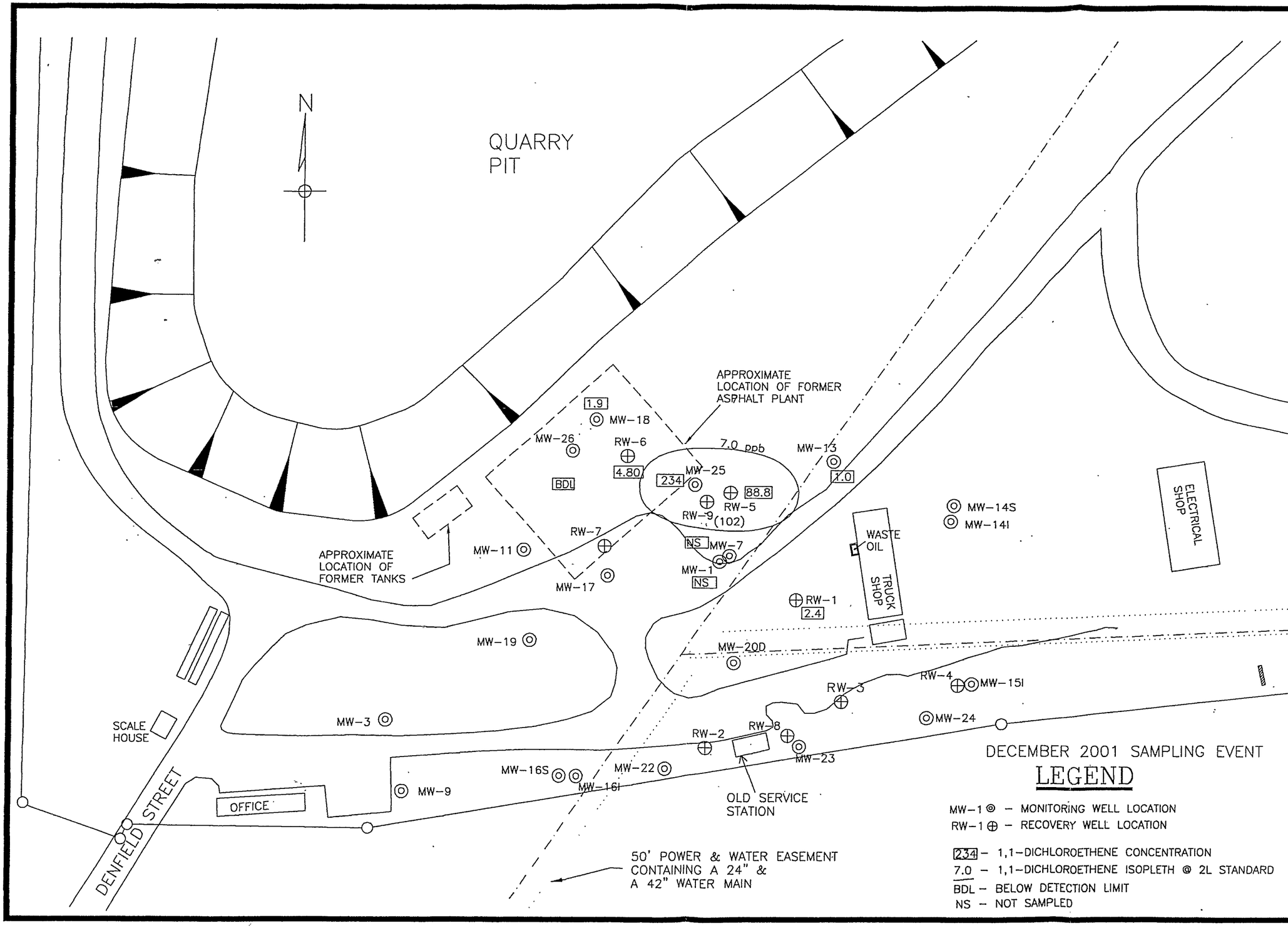

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FIGURE 9

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

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0013-94-012

SCALE: 1"= 110'

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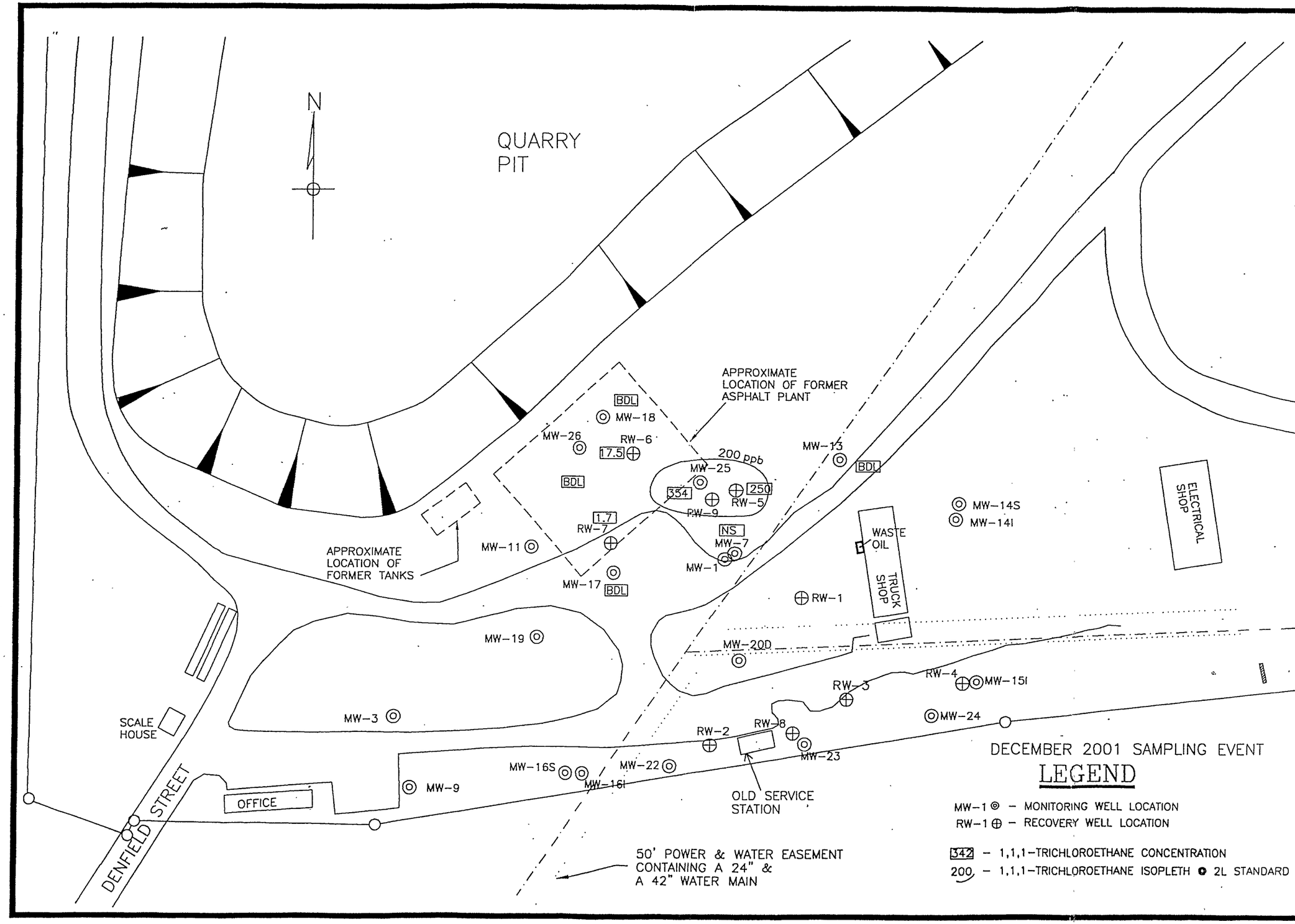

Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 106, Raleigh, North Carolina 27607
Phone: 919.851.3389 Fax: 919.851.1981

FIGURE 10

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

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0013-94-012
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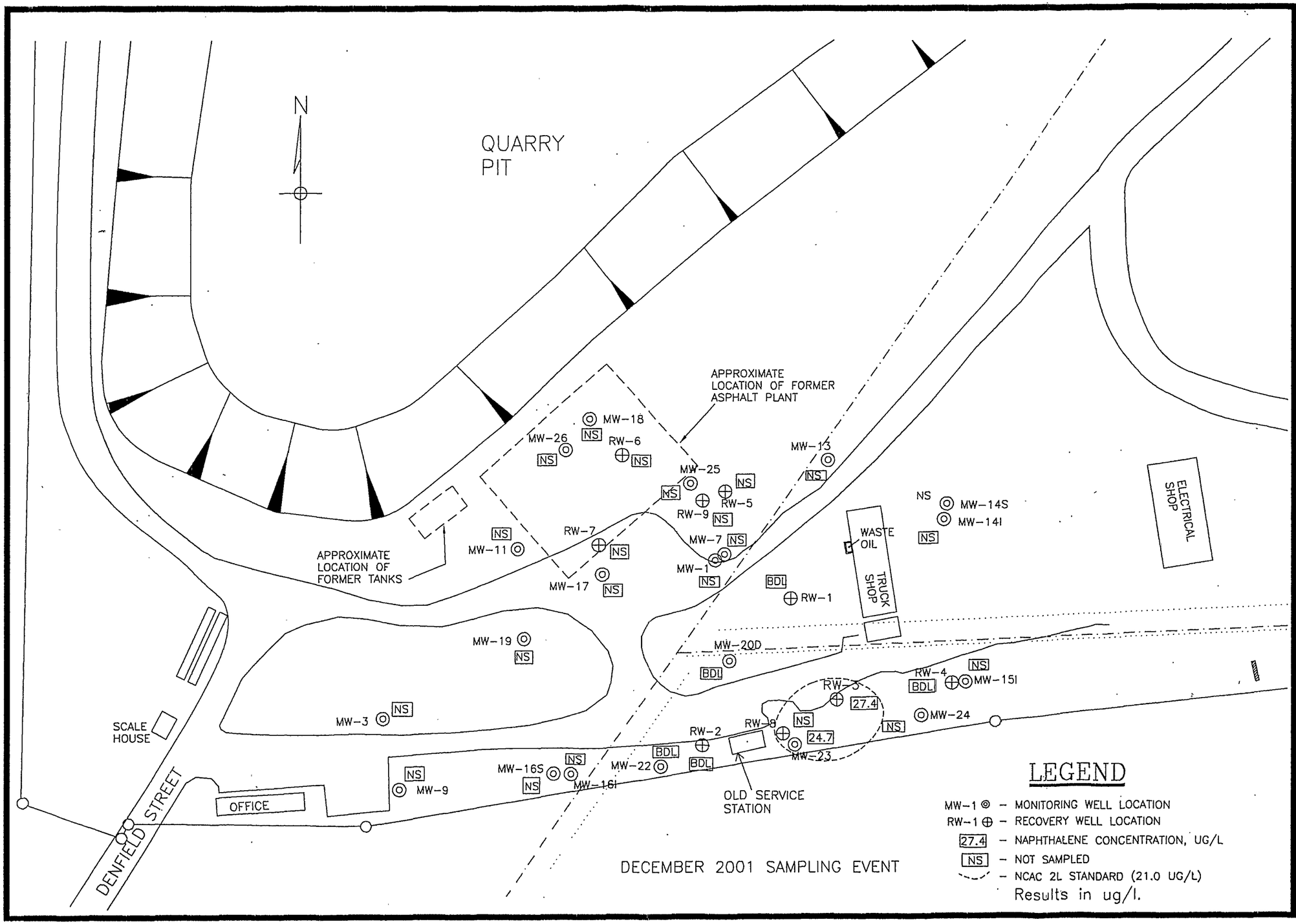

Solutions Environmental Inc
6001 Chapel Hill Road, Suite 108 Raleigh, North Carolina 27607
Phone 919 851 2580 Fax 919 851 1987

FIGURE 11

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NAPHTHALENE PLUME
NELLO L. TEER
DURHAM QUARRY

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Project No.
0013-94-012

SCALE: 1" = 110'

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DATE	DATE	DATE
12/01		

Tables

Tables

Table 1. Well and Water Level Data
December 2001 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 (gallons)
MW-1	329.5	20.0 - 35.0	**14.92**	314.58	5
MW-3	337.32	15.0 - 62.0	--	--	NS
MW-7	329.26	9.0 - 14.0	**14.92**	314.58	2
MW-9	333.65	25.0 - 40.0	--	--	NS
MW-11	327.87	35.0 - 50.0	**39.59**	288.28	1
*MW-13	326.48	50.0 - 65.0	**30.97**	295.51	10
MW-14S	well grouted up 6/00	5.0-20.0	**n/a**	n/a	NS
MW-14I	327.13	34.0 - 49.0	**29.89**	297.24	NS
MW-15I	329.53	25.0 - 40.5	**33.77**	295.76	<1
MW-16S	well grouted up 6/00	3.0-13.0	**n/a**	n/a	NS
MW-16I	330.8	46.0 - 61.0	**34.98**	295.82	NS
MW-17	327.59	2.5 - 12.5	**5.71**	321.88	2
MW-18	328.43	3.0 - 10.0	**6.54**	321.89	2
MW-19	331.96[d]	2.0 - 10.0	**6.72**	325.24	NS
MW-20D	329.58	110.0 - 115.0	**34.07**	295.51	31
MW-22	334.19	30.0 - 60.0	**35.54**	298.65	NS
MW-23	331.87	25.0 - 47.0	**34.19**	297.68	3
MW-24	337.56	16.0 -36.0	--	--	NS
MW-25	328.92	4.0 - 14.0	**8.27**	320.65	1.5
MW-26	328.92	3.0 - 13.0	**6.71**	322.21	2

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

Table 2. Groundwater Sample Results Summary-Shallow Monitoring Wells
December 2001 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-17	MW-18	MW-25	MW-26	2L LIMITS
Benzene	NA	NA	NA	NA	1.00
Toluene	NA	NA	NA	NA	1000.00
Ethylbenzene	NA	NA	NA	NA	29.00
Xylenes (Total)	NA	NA	NA	NA	530.00
MTBE	NA	NA	NA	NA	200.00
Naphthalene	NA	NA	NA	NA	21.00
Bromomethane	BDL	BDL	NA	NA	1.00
Chloroform	BDL	BDL	**3.2**	BDL	0.19
Chloroethane	BDL	BDL	3.9	BDL	2800.00
1,1-Dichloroethane	1.90	1.90	200	1.80	700
1,2-Dichoroethane	BDL	BDL	2.9	BDL	0.38
1,1-Dichlorethene	BDL	BDL	**234.0**	BDL	7.00
Trichloroethene	BDL	BDL	**77.4**	BDL	2.80
1,1,1-Trichloroethane	BDL	BDL	**354.0**	BDL	200.00
1,1,2-Trichloroethane	BDL	BDL	1.5	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	BDL	2.50	**92.5**	2.70	70.00
Vinyl chloride	**2.00**	**1.60**	**29.70**	BDL	0.015
Total CVOCs	3.90	6.00	999.7	4.50	--

All Values in ug/L.
***BOLD** - Indicates Concentration Above State Standard*
BDL - Below Detection Limit *NA- Not Analyzed*

Quantum Project No. 0013-94-012

Table 2, cont. **Groundwater Sample Results Summary-Shallow Recovery Wells**
December 2001Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	RW-5	RW-6	RW-7	2L LIMITS
Benzene	NA	NA	NA	1.00
Toluene	NA	NA	NA	1000.00
Ethylbenzene	NA	NA	NA	29.00
Xylenes (Total)	NA	NA	NA	530.00
MTBE	NA	NA	NA	200.00
Naphthalene	NA	NA	NA	21.00
Chloroform	**2.10**	BDL	BDL	0.19
1,1-Dichloroethane	98.2	4.10	1.7	700
1,2-Dichoroethane	BDL	BDL	BDL	0.38
1,1-Dichlorethene	**88.80**	4.80	BDL	7.00
Trichloroethene	**40.90**	**3.20**	BDL	2.80
1,1,1-Trichloroethane	**250.0**	17.50	1.7	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	1.00
cis-1,2-Dichloroethene	53.40	1.8	1.2	70.00
Vinyl chloride	**4.70**	BDL	BDL	0.015
Chloroethane	1.40	BDL	BDL	2800.00
Total CVOCs	539.50	31.40	4.60	--

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard*
BDL - Below Detection Limit *NA - Not Analyzed*

Table 3. Groundwater Sample Results Summary-Deep Monitoring Wells
December 2001 Sampling Event
Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-13	MW-15I	MW-20D	MW-23	2L LIMITS
Benzene	NA	NS	**1.80**	**37.00**	1.00
Toluene	NA	NS	BDL	4.60	1000.00
Ethylbenzene	NA	NS	BDL	**38.90**	29.00
Xylenes (Total)	NA	NS	BDL	30.6	530.00
MTBE	NA	NS	BDL	7.20	200.00
Naphthalene	NA	NS	BDL	**24.70**	21.00
Total VOCs	NA	NS	1.80	143.00	--
Chloroform	BDL	NS	BDL	BDL	0.19
1,1-Dichloroethane	4.00	NS	BDL	BDL	700
1,2-Dichoroethane	BDL	NS	BDL	BDL	0.38
1,1-Dichlorethene	1.00	NS	BDL	BDL	7.00
Trichloroethene	1.4	NS	BDL	BDL	2.80
1,1,1-Trichloroethane	BDL	NS	BDL	BDL	200.00
1,1,2-Trichloroethane	BDL	NS	BDL	BDL	1.00
Tetrachloroethene	BDL	NS	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	NS	BDL	BDL	1.00
cis-1,2-Dichloroethylene	2.10	NS	BDL	BDL	70.00
Vinyl chloride	**1.00**	NS	**2.30**	BDL	0.015
Total CVOCs	8.50	NS	2.30	0.00	--

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard* *NS - No Sampled*
BDL - Below Detection Limit *NA - Not Analyzed*

Quantum Project No. 0013-94-012

Table 3, cont. **Groundwater Sample Results Summary-Deep Recovery Wells**
December 2001 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	BDL	BDL	**10.3**	BDL	NS	BDL	1.00
Toluene	BDL	BDL	2.60	BDL	NS	BDL	1000.00
Ethylbenzene	BDL	BDL	6.10	BDL	NS	BDL	29.00
Xylenes (Total)	BDL	BDL	6.30	BDL	NS	BDL	530.00
MTBE	1.7.	BDL	7.10	1.20	NS	BDL	200.00
Naphthalene	BDL	BDL	**27.4**	BDL	NS	BDL	21.00
Fluorene	NA	BDL	BDL	BDL	NS	BDL	280.00
Phenanthrene	NA	BDL	BDL	BDL	NS	BDL	210.00
Total VOCs	1.70	0.00	59.8	1.20	NS	0.00	--
Chloroform	BDL	BDL	BDL	BDL	NS	BDL	0.19
Bromomethane	**2.50**	BDL	BDL	BDL	NS	BDL	1.00
1,1-Dichloroethane	2.40	BDL	BDL	BDL	NS	180.0	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	NS	BDL	0.38
1,1-Dichlorethene	1.30	BDL	BDL	BDL	NS	**102.0**	7.00
Trichloroethene	**6.00**	BDL	BDL	BDL	NS	**26.00**	2.80
1,1,1-Trichloroethane	BDL	NA	BDL	BDL	NS	65.00	200.00
1,1,2-Trichloroethane	BDL	NA	BDL	BDL	NS	BDL	1.00
Tetrachloroethene	BDL	NA	BDL	BDL	NS	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	NA	BDL	BDL	NS	BDL	1.00
cis-1,2-Dichloroethene	10.80	NA	1.40	1.10	NS	42.00	70.00
Vinyl chloride	**2.60**	NA	BDL	BDL	NS	**14.20**	0.015
Chloroethane	BDL	NA	BDL	BDL	NS	BDL	2800.00
Total CVOCs	25.60	0.00	1.40	1.10	NS	429.2	--

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard* *NS - Not Sampled*
BDL - Below Detection Limit *NA - Not Analyzed*

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	12/10/99	12/7/00	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1.00
Toluene	0.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00
MTBE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	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	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	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	NS	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	01/23/01	06/15/01	12/28/01	
Benzene	**575.00**	**353.00**	**95.00**	**6.80**	BDL	**1.60**	NS	BDL	1.00
Toluene	**1,160.00**	418.00	19.00	BDL	1.70	BDL	NS	BDL	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	2.40	NS	BDL	29.00
Xylenes	**1,425.00**	106.00	61.00	BDL	13.00	1.10	NS	BDL	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NS	NS	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	NS	3.00	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	NS	NS	70.00
IPE	NA	BDL	NA	BDL	BDL	BDL	NS	NS	0.07
Total VOCs	2,200.40	877.00	239.78	6.80	15.70	5.10	NS	3.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	2.80
cis-,1,2-Dichloroethylene	NA	NA	**90.00**	BDL	6.50	2.60	NS	NS	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	2.60	NS	NS	
Lead	<0.05	0.20	NA	NA	NA	NS	NS	NS	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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	NA
Lead	0.50	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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 December 2001
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)	12/7/2000 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	NS	200.00
EDB	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NS	70.00
IPE	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NS	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	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	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	NS	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 December 2001
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)	12/10/99	
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 December 2001
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)	12/7/00	6/13/01	12/28/01	
Benzene	BDL	3.10	BDL	BDL	1.13	3.40	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	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	BDL	BDL	530.00
Naphthalene	BDL	BDL	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	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	NA	BDL	BDL	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	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	5.2	4	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	BDL	BDL	BDL	200.00
Trichloroethene	BDL	5.10	BDL	4.10	BDL	2.90	3.02	2.40	BDL	2.40	2.8	BDL	1.30	1.40	2.80
1,1-Dichloroethene	BDL	BDL	BDL	2.30	BDL	3.00	BDL	2.50	1.70	1.70	4.2	2.2	3.8	1	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	2.1	2.1	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	1.20	BDL	BDL	BDL	1.20	1.00	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	13.60	9.50	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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	Well abandoned	21.00
MTBE	BDL	NA	NA	BDL	507.00	BDL	BDL	4.10	2.20		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	Dec-00	Jun-01	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NS	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NS	BDL	70.00
IPE	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NS	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	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	NS	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	6/15/01	
Benzene	BDL	BDL	BDL	BDL	2.16	BDL	BDL	BDL	1.30	4.80	2.5	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	2.70	3.40	1.90	BDL	BDL	BDL	BDL	BDL	1.20	BDL	BDL	BDL	29.00
Xylenes	BDL	3.60	9.00	BDL	BDL	BDL	BDL	BDL	BDL	1.90	4.4	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.20	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	44.60	BDL	BDL	12.00	13.00	BDL	6.1	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	5.70	NA	NA	NA	NA	BDL	BDL	NA	BDL	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	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	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	NS	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	12/10/99		
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	Well removed from
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000	active monitoring network
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29	in June, 2000
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 December 2001
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)	12/10/99	6/7/00	6/15/01	12/28/01	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	NA	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	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	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	1.9	1.9	700.00
Trichloroethene	BDL	BDL	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	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	2.50	2.00	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	6.30	3.90	
Lead	<0.05	NA	NA	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)	12/10/99	6/7/00	6/15/01	1/2/02	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1.00
Toluene	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	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	NA	NA	
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	BDL	2.30	1.90	700.00
1,2-Dichloroethane	BDL	BDL	27.00	BDL	BDL	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	BDL	BDL	7.00
Trichloroethene	BDL	BDL	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	3.40	2.50	70.00
Vinyl Chloride	10.90	BDL	50.00	BDL	58.90	16.30	10.90	8.10	2.30	BDL	3.80	BDL	4.70	1.60	0.02
Chloroethane	BDL	BDL	50.00	BDL	59.00	9.50	BDL	1.30	BDL	BDL	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	13.60	6.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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

Well no longer exists

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	12/7/00	6/14/01	1/2/02	
Benzene	15.00	30.00	22.00	29.80	30.30	20.00	21.60	16.00	13.00	12.30	1.80	1.50	BDL	1.80	1.00
Toluene	BDL	BDL	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	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	6.20	NA	NA	NA	BDL	NA	NA	5.70	4.30	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	70.00
IPE	14.20	NA	NA	NA	26.60	NA	NA	NA	NA	BDL	BDL	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	1.50	0.00	1.80	
1,1-Dichloroethane	BDL	BDL	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	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	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	4.30	BDL	1.70	3.20	3.00	BDL	BDL	1.20	2.30	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	1.20	2.30	
Lead	<0.05	NA	NA	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 December 2001
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)	12/10/99	12/7/00		
Benzene	9.40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1.00	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1000.00	
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	29.00	Well
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	530.00	Removed
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00	from
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	200.00	monitoring
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	70.00	network
IPE	8.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	0.07	Jun-00
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	NS	700.00	
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	2.80	
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	70.00	
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	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	NS	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)	12/7/2000 (4)	06/13/2001	12/28/02 (4)	
Benzene	21.00	68.40	36.00	67.90	58.90	56.40	69.70	42.00	23.00	37.10	14.3	28	11.6	37	1.00
Toluene	BDL	13.00	BDL	14.50	18.60	9.90	4.52	BDL	6.70	7.50	1.9	1.8	1.5	4.6	1000.00
Ethylbenzene	BDL	46.50	14.00	40.40	30.70	14.90	11.30	BDL	9.60	19.10	2.3	16.7	BDL	38.9	29.00
Xylenes	BDL	100.00	40.00	95.30	77.30	24.70	35.50	41.00	40.00	39.60	18	6.6	BDL	30.6	530.00
Naphthalene	BDL	33.70	42.50	42.90	19.10	32.00	11.70	BDL	9.10	12.00	BDL	BDL	BDL	24.70	6.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	5.40	BDL	8.8	3.00	NA	7.20	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	70.00
IPE	15.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	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	47.10	13.00	143.00	
1,1-Dichloroethane	NA	BDL	BDL	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	1.00	1.30	BDL	0.38
Trichloroethene	NA	BDL	BDL	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	BDL	BDL	70.00
Vinyl Chloride	NA	BDL	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	1.30	0.00	1.00	1.30	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	12/7/2000 (4)	Jun-01	Dec-01	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1.00
Toluene	BDL	BDL	BDL	336.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	2.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	70.00
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	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	0.00	NA	NA	
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	156.00	160.00	200.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.60	BDL	7.50	BDL	1.30	2.00	BDL	3.00	BDL	2.90	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	282.00	100.00	234.00	7.00
Trichloroethene	280.00	125.00	267.00	232.00	152.00	206.00	81.00	BDL	98.00	110.00	64.30	90.00	34.70	77.40	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	342.00	365.00	354.00	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.70	6.60	BDL	BDL	2.20	BDL	2.10	BDL	1.50	1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2100.00
Tetracholorethene	BDL	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	2.50	BDL	BDL	BDL	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	84.00	BDL	92.50	70.00
Vinyl Chloride	BDL	BDL	BDL	126.00	85.60	48.90	BDL	30.00	BDL	33.20	13.20	29.70	19.10	29.70	0.02
Chloroethane	BDL	BDL	BDL	BDL	BDL	8.74	4.30	BDL	BDL	8.20	BDL	4.40	4.10	3.90	2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	192.00	BDL	BDL	BDL	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	1.80	BDL	BDL	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	995.00	682.90	1,000.70	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 2001
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)	12/7/2000 (4)	Jun-01	Jan-02	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	530.00
Naphthalene	BDL	42.50	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	200.00
EDB	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	NA	NA	70.00
IPE	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	NA	NA	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		NA	NA	
1,1-Dichloroethane	BDL	100.00	109.00	85.40	BDL	54.30	13.00	5.60	3.60	2.40	BDL	NS	1.00	1.80	700.00
1,1-Dichloroethene	BDL	BDL	8.10	10.70	13.60	7.17	5.20	3.60	4.20	5.10	BDL	NS	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	4.90	5.83	8.30	BDL	BDL	BDL	5.80	5.80	BDL	NS	BDL	2.70	70.00
Vinyl Chloride	29.50	BDL	BDL	44.80	56.60	20.10	12.00	6.90	7.00	6.00	BDL	NS	BDL	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		1.00	4.50	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	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.
NA = Not Analyzed
NS = Not Sampled

data/123files/13/139412/0601teer table4.x

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-1

Constituent	Date							2L Standard
	8/29/1999	2/25/2000	6/14/2000	9/08/2000	12/07/200	06/15/20	12/28/2001	
Benzene	**6.80**	BDL	**1.20**	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	1.10	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	1.80	BDL	BDL	1.70	200.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	2.30	1.80	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	7.40	BDL	2.90	12.50	5.10	6.20	700.00
1,1 Dichloroethene	BDL	BDL	1.50	1.60	5.40	1.30	2.40	7.00
1,2 Dichloroethane	BDL	BDL	**3.00**	BDL	BDL	BDL	BDL	0.38
Trichloroethene	BDL	2.20	BDL	**3.20**	**3.60**	**4.80**	**6.00**	2.80
1,1,1 Trichloroethane	BDL	3.40	BDL	1.00	2.80	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	2.20	1.80	3.10	3.30	8.40	10.80	70.00
Chloroethane	BDL	BDL	**2.90**	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	**2.80**	**2.60**	0.02
Total CVOCs	0.00	15.20	9.20	11.80	27.60	24.90	28.00	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	15.00

RW-2 (formerly MW-2)

Constituent	Date							2L Standard
	5/7/93	5/20/93	8/29/94	8/29/99	6/14/00	1/23/01	10/26/01	
Benzene	**575.00**	**353.00**	**95.00**	BDL	BDL	**1.60**	BDL	1.00
Toluene	**1160.00**	418.00	19.00	BDL	1.70	BDL	BDL	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	2.40	BDL	29.00
Xylenes	**1425.00**	106.00	61.00	BDL	13.00	1.10	BDL	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NA	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	3.00	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	BDL	70.00
IPE	NA	BDL	NA	BDL	BDL	BDL	BDL	0.07
Total VOCs	3244.40	877.00	239.80	0.00	15.70	5.10	3.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	NA	700.00
1,1 Dichloroethene	NA	NA	NA	BDL	BDL	BDL	NA	7.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	NA	2.80
1,1,1 Trichloroethane	NA	NA	NA	BDL	BDL	BDL	NA	200.00
cis-,1,2-Dichloroethene	NA	NA	**90.00**	BDL	6.50	2.60	NA	70.00
Chloroethane	NA	NA	NA	BDL	BDL	BDL	NA	2800.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NA	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	3.80	NA	
1-Methylnaphthalene	NA	NA	NA	BDL	BDL	BDL	NA	MDL
Phenanthrene	NA	NA	NA	BDL	BDL	BDL	NA	210.00
Lead	<0.05	0.20	NA	NA	NA	NA	NA	15.00

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-3

Constituent	Date						2L Standard
	8/29/1999	2/25/2000	6/14/2000	12/7/2000	06/15/200	12/28/2001	
Benzene	**25.50**	BDL	**7.60**	**9.70**	**16.80**	**10.30**	1.00
Toluene	21.50	BDL	3.60	2.90	11.00	2.60	1000.00
Ethylbenzene	22.50	BDL	3.30	1.80	19.30	6.10	29.00
Xylenes	270.00	BDL	16.40	13.20	45.20	6.30	530.00
Naphthalene	11.00	BDL	8.00	7.00	BDL	**27.40**	6.00
MTBE	11.50	BDL	BDL	BDL	NS	7.10	200.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	BDL	NS	0.07
Total VOCs	362.00	0.00	38.90	34.60	92.30	59.80	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.60	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	1.00	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	2.70	BDL	1.40	BDL	70.00
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	5.30	0.00	1.40	BDL	
1-Methylnaphthalene	**44.00**	NA	NA	BDL	BDL	BDL	5.00
2-Methylnaphthalene	**38.00**	NA	NA	BDL	BDL	BDL	28.00
Phenanthrene	12.00	NA	NA	24.00	2.60	BDL	210.00
Lead	NA	NA	NA	NA	NA	NA	15.00

RW-4

Constituent	Date							2L Standard
	8/29/1999	3/8/2000	5/3/2000	6/14/2000	12/7/2000	6/15/01	12/28/01	
Benzene	BDL	BDL	**5.00**	**1.80**	**3.10**	BDL	BDL	1.00
Toluene	BDL	BDL	3.00	3.00	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	4.00	4.00	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	2.00	2.00	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	5.00	NA	2.20	NA	1.20	200.00
EDB	BDL	BDL	NA	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	NA	NA	NA	NA	NA	0.07
Total VOCs	0.00	0.00	19.00	10.80	5.30	0.00	1.20	
1,1-Dichloroethane	BDL	BDL	NA	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	NA	1.70	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	NA	NA	NA	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	NA	2.80	3.10	BDL	BDL	70.00
Chloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	NA	**2.00**	**1.20**	BDL	BDL	0.02
Total CVOCs	0.00	0.00	NA	6.50	4.30	0.00	0.00	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	15.00

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-5

Constituent	Date						2L Standard
	8/29/1999	2/25/2000	6/14/2000	12/7/2000	6/15/2001	12/27/2001	
Benzene	BDL	BDL	BDL	NS	NA	NA	1.00
Toluene	BDL	BDL	BDL	NS	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	NS	NA	NA	29.00
Xylenes	BDL	BDL	BDL	NS	NA	NA	530.00
Naphthalene	BDL	BDL	BDL	NS	NA	NA	21.00
MTBE	BDL	BDL	BDL	NS	NA	NA	200.00
EDB	BDL	BDL	BDL	NS	NA	NA	70.00
IPE	BDL	BDL	BDL	NS	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	NS	NA	NA	
1,1-Dichloroethane	202.00	118.50	50.00	NS	100.00	98.20	700.00
1,1 Dichloroethene	**260.00**	BDL	**170.00**	NS	**62.00**	**88.80**	7.00
Trichloroethene	**67.20**	BDL	**65.60**	NS	**34.40**	**40.90**	2.80
1,1,1 Trichloroethane	**518.00**	BDL	**265.00**	NS	198.00	250.00	200.00
cis-,1,2-Dichloroethylene	**93.60**	63.40	**72.40**	NS	48.20	53.40	70.00
1,1,2,2-Tetrachloroethane	BDL	BDL	**1.40**	NS	BDL	BDL	MDL
1,1,2-Trichloroethane	BDL	BDL	**1.60**	NS	BDL	BDL	MDL
Chloroethane	7.00	5.00	6.00	NS	4.40	1.40	2800.00
Vinyl Chloride	**30.70**	**20.00**	**24.60**	NS	**12.60**	**4.70**	0.02
Total CVOCs	1178.50	206.90	656.60		474.50	539.50	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	NA	NA	15.00

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-6

Constituent	Date						2L Standard
	10/4/1999	12/17/1999	6/14/2000	12/7/2000	06/15/200	12/29/2001	
Benzene	BDL	**2.20**	BDL	BDL	NA	NA	1.00
Toluene	BDL	BDL	BDL	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	21.00
MTBE	BDL	2.10	BDL	BDL	NA	NA	200.00
EDB	BDL	BDL	BDL	BDL	NA	NA	70.00
IPE	BDL	BDL	BDL	BDL	NA	NA	0.07
Total VOCs	0.00	4.30	0.00	0.00	NA	NA	
Fluorene	BDL	5.00	BDL	NA	NA	NA	280.00
Phenanthrene	BDL	4.00	BDL	NA	NA	NA	210.00
1,1-Dichloroethane	14.70	7.80	5.80	5.00	2.10	4.10	700.00
1,1 Dichloroethene	**26.80**	4.90	**8.60**	1.90	1.40	4.80	7.00
Trichloroethene	**10.90**	**3.20**	BDL	1.80	1.10	**3.20**	2.80
1,1,1 Trichloroethane	53.20	4.00	15.50	7.20	4.90	17.50	200.00
cis-,1,2-Dichloroethene	6.80	6.80	BDL	BDL	BDL	1.80	70.00
Chloroethane	BDL	BDL	**5.20**	BDL	BDL	BDL	MDL
Vinyl Chloride	**3.10**	BDL	**1.90**	BDL	BDL	BDL	0.02
Total CVOCs	115.50	26.70	37.00	15.90	9.50	31.40	
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	210.00
Lead	NA	NA	NA	NA	NA	NA	15.00

RW-7

Constituent	Date							2L Standard
	10/4/1999	6/14/2000	6/23/2000	7/6/2000	12/7/2000	06/15/20	12/28/2001	
Benzene	BDL	BDL	BDL	**9.50**	BDL	NA	NA	1.00
Toluene	BDL	BDL	BDL	4.00	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	1.40	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	10.60	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	**144.00**	BDL	BDL	NA	NA	21.00
MTBE	BDL	BDL	BDL	2.80	BDL	NA	NA	200.00
EDB	BDL	BDL	BDL	BDL	BDL	NA	NA	70.00
IPE	BDL	BDL	BDL	BDL	BDL	NA	NA	0.07
Total VOCs	0.00	0.00	224.00	28.30	0.00	NA	NA	
1,1-Dichloroethane	10.00	1.70	BDL	2.40	BDL	BDL	1.70	700.00
1,1 Dichloroethene	1.60	1.90	BDL	BDL	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	2.60	BDL	BDL	1.70	200.00
cis-,1,2-Dichloroethylene	3.80	1.90	BDL	2.20	BDL	BDL	1.20	70.00
Chloroethane	BDL	BDL	BDL	**1.60**	BDL	BDL	BDL	MDL
Vinyl Chloride	**6.00**	**3.90**	BDL	BDL	BDL	**1.00**	BDL	0.02
Total CVOCs	21.40	9.40	0.00	8.80	0.00	1.00	4.60	
Lead	NA	NA	BDL	NA	NA	NA	NA	15.00

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-8

Constituent	Date				2L Standard
	6/14/2000	12/7/2000	06/15/200	12/28/2001	
Benzene	**10.10**	BDL	BDL		1.00
Toluene	1.20	BDL	BDL	Dry	1000.00
Ethylbenzene	3.10	BDL	BDL	well	29.00
Xylenes	4.90	BDL	BDL	No sample	530.00
Naphthalene	BDL	BDL	BDL	collected	21.00
MTBE	BDL	2.50	BDL	during	200.00
EDB	BDL	BDL	BDL	Dec. '01	70.00
IPE	BDL	BDL	BDL		0.07
Total VOCs	19.30	2.50	0.00		
Fluorene	BDL	BDL	BDL		280.00
Phenanthrene	BDL	BDL	BDL		210.00
1,1-Dichloroethane	BDL	BDL	BDL		700.00
1,1 Dichloroethene	BDL	BDL	BDL		7.00
Trichloroethene	BDL	BDL	BDL		2.80
1,1,1 Trichloroethane	BDL	BDL	BDL		200.00
cis-,1,2-Dichloroethene	BDL	BDL	BDL		70.00
Chloroethane	BDL	BDL	BDL		MDL
Vinyl Chloride	BDL	BDL	BDL		0.02
Total CVOCs	0.00	0.00	0.00		
Phenanthrene	BDL	BDL	BDL		210.00
Lead	NA	NA	NA		15.00

Table 5: Nello Teer Historical Recovery Well Sampling Results

RW-9

Constituent	Date						2L Standard
	5/19/00	6/14/00	9/8/00	12/7/00	6/15/01	12/27/01	
Benzene	BDL	BDL	BDL	BDL	NA	NA	1.00
Toluene	BDL	BDL	BDL	BDL	NA	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	NA	NA	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	21.00
MTBE	BDL	BDL	BDL	BDL	NA	NA	200.00
EDB	BDL	BDL	BDL	BDL	NA	NA	70.00
IPE	BDL	BDL	BDL	BDL	NA	NA	0.07
Total VOCs	0.00	0.00	0.00	0.00	NA	NA	
1,1-Dichloroethane	84.50	75.60	33.00	84.20	78.60	180.00	700.00
1,1 Dichloroethene	**75.10**	**64.20**	**38.50**	**83.40**	**78.60**	**102.00**	7.00
Trichloroethene	**16.00**	**15.00**	**4.60**	**17.50**	**21.70**	**26.00**	2.80
1,1,1 Trichloroethane	50.60	40.20	16.30	37.60	38.90	65.00	200.00
cis-,1,2-Dichloroethylene	26.80	23.70	11.00	28.00	21.70	42.00	70.00
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	MDL
Vinyl Chloride	**8.50**	**9.30**	**1.30**	**15.10**	**14.20**	**12.00**	0.02
Total CVOCs	261.50	228.00	104.70	265.80	253.70	427.00	
Lead	NA	NA	NA	NA	NA	NA	15.00

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
All samples analyzed by TestAmerica for ELS
NS = Well not sampled

Appendix A

Appendix A
Monitoring and 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*
- *Massachusetts*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvania*
- *Rhode Island*

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

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 998637
RECEIVED: 12/29/01

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 188313 CLIENT SAMPLE ID: RW-1				DATE SAMPLED:	12/28/01
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/03/02	EPA 601-602	387 (NC)
SAMPLE #: 188314 CLIENT SAMPLE ID: RW-3				DATE SAMPLED:	12/28/01
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/03/02	EPA 601-602	387 (NC)
SEMIVOL. ORGANICS - B/N	SEE ATTACHED		01/04/02	EPA 625	387 (NC)
SAMPLE #: 188315 CLIENT SAMPLE ID: RW-4				DATE SAMPLED:	12/28/01
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/03/02	EPA 601-602	387 (NC)
SAMPLE #: 188316 CLIENT SAMPLE ID: RW-5				DATE SAMPLED:	12/27/01
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/02/02	EPA 601	387 (NC)
SAMPLE #: 188317 CLIENT SAMPLE ID: RW-6				DATE SAMPLED:	12/28/01
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/03/02	EPA 601	387 (NC)
SAMPLE #: 188318 CLIENT SAMPLE ID: RW-7				DATE SAMPLED:	12/28/01
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/03/02	EPA 601	387 (NC)
SAMPLE #: 188319 CLIENT SAMPLE ID: RW-9				DATE SAMPLED:	12/27/01
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/02/02	EPA 601	387 (NC)

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

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 998637
RECEIVED: 12/29/01

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 188320 CLIENT SAMPLE ID: MW-23				DATE SAMPLED: 12/28/01	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/03/02	EPA 601-602	387 (NC)
SAMPLE #: 188321 CLIENT SAMPLE ID: MW-25				DATE SAMPLED: 12/27/01	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/03/02	EPA 601	387 (NC)

Douglas W. Mendrala for DWM
Laboratory Director

01/09/02
Date

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

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188313

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Lab Number: 01-A189361
Sample ID: RW-1
Sample Type: Water
Site ID:

Date Collected: 12/28/01
Time Collected: 10:30
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:15	F.Gundi	602	9763
Toluene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:15	F.Gundi	602	9763
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:15	F.Gundi	602	9763
Xylenes, total	ND	ug/l	1.00	1.00	1	1/ 3/02	19:15	F.Gundi	602	9763
Methyl-t-butylether	1.70	ug/l	1.00	1.00	1	1/ 3/02	19:15	F.Gundi	602	9763
Naphthalene	ND	ug/l	5.00	5.00	1	1/ 3/02	19:15	F.Gundi	602	9763
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Chloroform	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Vinyl chloride	2.6	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,1-Dichloroethane	6.2	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 01-A189361
Sample ID: RW-1
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,1-Dichloroethene	2.4	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
cis-1,2-Dichloroethene	10.8	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Trichloroethene	6.0	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:53	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	102.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	86.	54. - 114.
Hall Surr., chloroprene	122. #	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	101.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

188314

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 01-A189363
Sample ID: RW-3
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Date Collected: 12/28/01
Time Collected: 10:00
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	10.3	ug/l	1.00	1.00	1	1/ 4/02	13:09	F.Gundi	602	9763
Toluene	2.60	ug/l	1.00	1.00	1	1/ 4/02	13:09	F.Gundi	602	9763
Ethylbenzene	6.10	ug/l	1.00	1.00	1	1/ 4/02	13:09	F.Gundi	602	9763
Xylenes, total	6.30	ug/l	1.00	1.00	1	1/ 4/02	13:09	F.Gundi	602	9763
Methyl-t-butylether	7.10	ug/l	1.00	1.00	1	1/ 4/02	13:09	F.Gundi	602	9763
Naphthalene	27.4	ug/l	5.00	5.00	1	1/ 4/02	13:09	F.Gundi	602	9763
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Acenaphthylene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Anthracene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Benzo(a)anthracene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Benzo(a)pyrene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Benzo(b)fluoranthene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Benzo(g,h,i)perylene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Benzo(k)fluoranthene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
4-Bromophenylphenylether	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Butylbenzylphthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Carbazole	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
4-Chloroaniline	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
bis(2-Chloroethoxy)methane	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
bis(2-Chloroethyl)ether	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
bis(2-Chloroisopropyl)ether	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
2-Chloronaphthalene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
4-Chlorophenylphenylether	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 01-A189363
Sample ID: RW-3
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Chrysene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Dibenzofuran	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Dibenz(a,h)anthracene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
1,2-Dichlorobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
1,3-Dichlorobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
1,4-Dichlorobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
3,3'-Dichlorobenzidine	ND	ug/l	2500	20.0	50	1/ 4/02	12:40	T McCollum	625	585
Diethylphthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Dimethylphthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Di-n-butylphthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
2,4-dinitrotoluene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
2,6-Dinitrotoluene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Di-n-octylphthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Fluoranthene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Fluorene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Hexachlorobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Hexachlorobutadiene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Hexachlorocyclopentadiene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Hexachloroethane	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Indeno(1,2,3-cd)pyrene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Isophorone	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
2-Methylnaphthalene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Naphthalene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
2-Nitroaniline	ND	ug/l	2500	25.0	50	1/ 4/02	12:40	T McCollum	625	585
3-Nitroaniline	ND	ug/l	2500	50.0	50	1/ 4/02	12:40	T McCollum	625	585
4-Nitroaniline	ND	ug/l	2500	50.0	50	1/ 4/02	12:40	T McCollum	625	585
Nitrobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
N-nitrosodi-n-propylamine	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
N-nitrosodiphenylamine	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Phenanthrene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Pyrene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
Bis(2-ethylhexyl)phthalate	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
1,2,4-Trichlorobenzene	ND	ug/l	2500	10.0	50	1/ 4/02	12:40	T McCollum	625	585
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189363
Sample ID: RW-3
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Chlorobenzene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Bromoform	ND	ug/l	50.0	2.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Bromomethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Chloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Chloroform	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Chloromethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Vinyl chloride	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,1-Dichloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,2-Dichloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,1-Dichloroethene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
cis-1,2-Dichloroethene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Methylene chloride	ND	ug/l	250.	5.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,1,2,2-Tetrachloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,1,1-Trichloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Trichloroethene	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	50.0	1.0	50	1/ 3/02	15:24	CHollingsw	601	9389

625 and 601/602 report limit elevated due to sample matrix.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189363
Sample ID: RW-3
Project: 0013-94-012

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
625	400. ml	2. ml	1/ 2/02		D. Harris	625

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	Concentration	Units
Nonane,3-methyl-	5.57	PPM
Dodecane,2,6,10-trimethyl	6.55	PPM
Naphthalene,2,7-dimethyl-	7.10	PPM
Naphthalene,2,6-dimethyl-	5.80	PPM
Naphthalene,1,6-dimethyl-	5.85	PPM
Hexadecane	10.4	PPM
Naphthalene,2-(1methyleth	6.20	PPM
Naphthalene,1,4,6-trimeth	5.25	PPM
Pentadecane,2,6,10,14tetr	15.8	PPM

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	97.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	122. #	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	101.	65. - 106.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A189363
Sample ID: RW-3
Project: 0013-94-012

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188315

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 01-A189362
Sample ID: RW-4
Sample Type: Water
Site ID:

Date Collected: 12/28/01
Time Collected: 11:10
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:44	F.Gundi	602	9763
Toluene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:44	F.Gundi	602	9763
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/ 3/02	19:44	F.Gundi	602	9763
Xylenes, total	ND	ug/l	1.00	1.00	1	1/ 3/02	19:44	F.Gundi	602	9763
Methyl-t-butylether	1.20	ug/l	1.00	1.00	1	1/ 3/02	19:44	F.Gundi	602	9763
Naphthalene	ND	ug/l	5.00	5.00	1	1/ 3/02	19:44	F.Gundi	602	9763
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Chloroform	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 01-A189362
Sample ID: RW-4
Project: 0013-94-012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
cis-1,2-Dichloroethene	1.1	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	12:36	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	103.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	95.	67. - 135.
Hall Surr., 2-chloropropane	88.	54. - 114.
Hall Surr., chloroprene	122. #	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	101.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188316

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Lab Number: 01-A189356
Sample ID: RW-5
Sample Type: Water
Site ID:

Date Collected: 12/27/01
Time Collected: 10:30
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Chloroethane	1.4	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Chloroform	2.1	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Vinyl chloride	4.7	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
1,1-Dichloroethane	98.2	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
1,1-Dichloroethene	88.8	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
cis-1,2-Dichloroethene	53.4	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 2/02	19:20	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189356
Sample ID: RW-5
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
1,1,1-Trichloroethane	250.	ug/l	50.0	1.0	50	1/ 3/02	14:42	CHollingsw	601	218
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Trichloroethene	40.9	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 2/02	19:20	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	86.	54. - 114.
Hall Surr., chloroprene	104.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	102.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

188317

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 01-A189357
Sample ID: RW-6
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Date Collected: 12/28/01
Time Collected: 11:20
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Chloroform	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,1-Dichloroethane	4.1	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,1-Dichloroethene	4.8 7	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
cis-1,2-Dichloroethene	1.8	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	5:12	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189357
Sample ID: RW-6
Project: 0013-94-012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,1,1-Trichloroethane	17.5	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Trichloroethene	3.2 2.8	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	5:12	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	78.	54. - 114.
Hall Surr., chloroprene	80.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	99.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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ANALYTICAL REPORT

188318

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 01-A189358
Sample ID: RW-7
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Date Collected: 12/28/01
Time Collected: 11:30
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Chloroform	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,1-Dichloroethane	1.7	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
cis-1,2-Dichloroethene	1.2	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	11:11	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189358
Sample ID: RW-7
Project: 0013-94-012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,1,1-Trichloroethane	1.7	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	11:11	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	85.	54. - 114.
Hall Surr., chloroprene	96.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	100.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

188319

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Lab Number: 01-A189359
Sample ID: RW-9
Sample Type: Water
Site ID:

Date Collected: 12/27/01
Time Collected: 11:00
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Bromoform	ND	ug/l	10.0	2.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Bromomethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Chloroethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Chloroform	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Chloromethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Vinyl chloride	12.0	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,1-Dichloroethane	180.	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,2-Dichloroethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,1-Dichloroethene	102.	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
cis-1,2-Dichloroethene	42.0	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Methylene chloride	ND	ug/l	50.0	5.0	10	1/ 2/02	23:34	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189359
Sample ID: RW-9
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,1,1-Trichloroethane	65.0	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Trichloroethene	26.0	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	10.0	1.0	10	1/ 2/02	23:34	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	89.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	106.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

188320
Lab Number: 01-A189364
Sample ID: MW-23
Sample Type: Water
Site ID:

Date Collected: 12/28/01
Time Collected: 11:00
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	37.0	ug/l	1.00	1.00	1	1/ 4/02	13:38	F.Gundi	602	9763
Toluene	4.60	ug/l	1.00	1.00	1	1/ 4/02	13:38	F.Gundi	602	9763
Ethylbenzene	38.9	ug/l	1.00	1.00	1	1/ 4/02	13:38	F.Gundi	602	9763
Xylenes, total	30.6	ug/l	1.00	1.00	1	1/ 4/02	13:38	F.Gundi	602	9763
Methyl-t-butylether	7.20	ug/l	1.00	1.00	1	1/ 4/02	13:38	F.Gundi	602	9763
Naphthalene	24.7	ug/l	5.00	5.00	1	1/ 4/02	13:38	F.Gundi	602	9763
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Chloroform	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A189364
Sample ID: MW-23
Project: 0013-94-012

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	13:18	CHollingsw	601	9389

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
625	950. ml	1. ml	1/ 2/02		D. Harris	625

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	114.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	94.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	89.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	100.	65. - 106.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 01-A189364
Sample ID: MW-23
Project: 0013-94-012

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

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ANALYTICAL REPORT

188324

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES C. ROSS

Lab Number: 01-A189360
Sample ID: MW-25
Sample Type: Water
Site ID:

Date Collected: 12/27/01
Time Collected: 10:00
Date Received: 12/29/01
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	602/601	9389
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	602/601	9389
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	602/601	9389
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	602/601	9389
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Bromoform	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Chloroethane	3.9	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Chloroform	3.2	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Vinyl chloride	29.7	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
1,1-Dichloroethane	200.	ug/l	20.0	1.0	20	1/ 3/02	14:00	CHollingsw	601	218
1,2-Dichloroethane	2.9	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
1,1-Dichloroethene	234.	ug/l	20.0	1.0	20	1/ 3/02	14:00	CHollingsw	601	218
cis-1,2-Dichloroethene	92.5	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
trans-1,2-Dichloroethene	1.6	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 3/02	0:17	CHollingsw	601	9389

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 01-A189360
Sample ID: MW-25
Project: 0013-94-012
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Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
1,1,1-Trichloroethane	354.	ug/l	20.0	1.0	20	1/ 3/02	14:00	CHollingsw	601	218
1,1,2-Trichloroethane	1.5	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Trichloroethene	77.4	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 3/02	0:17	CHollingsw	601	9389

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	67. - 135.
Hall Surr., 2-chloropropane	87.	54. - 114.
Hall Surr., chloroprene	93.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	102.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00065	0.04620	0.05000	92	39. - 150.	9763	blank
Toluene	mg/l	< 0.00061	0.04750	0.05000	95	46. - 148.	9763	blank
Ethylbenzene	mg/l	< 0.00073	0.05000	0.05000	100	32. - 160.	9763	blank
Xylenes, total	mg/l	< 0.0010	0.0982	0.1000	98	74. - 125.	9763	blank
Methyl-t-butylether	mg/l	< 0.00074	0.04690	0.05000	94	74. - 129.	9763	blank
Naphthalene	mg/l	< 0.00130	0.04820	0.05000	96	48. - 149.	9763	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				109	67. - 135.	9763	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Chlorobenzene	mg/l	< 0.00100	0.02440	0.02000	122	55. - 135.	9389	blank
Chlorobenzene	mg/l	< 0.00100	0.02370	0.02000	118	55. - 135.	9389	blank
1,2-Dichlorobenzene	mg/l	< 0.00100	0.02240	0.02000	112	37. - 154.	9389	blank
1,2-Dichlorobenzene	mg/l	< 0.00100	0.02290	0.02000	114	37. - 154.	9389	blank
1,3-Dichlorobenzene	mg/l	< 0.00100	0.02140	0.02000	107	50. - 141.	9389	blank
1,3-Dichlorobenzene	mg/l	< 0.00100	0.02230	0.02000	112	50. - 141.	9389	blank
1,4-Dichlorobenzene	mg/l	< 0.00100	0.02310	0.02000	116	42. - 143.	9389	blank
1,4-Dichlorobenzene	mg/l	< 0.00100	0.02330	0.02000	116	42. - 143.	9389	blank
Bromodichloromethane	mg/l	< 0.00100	0.02410	0.02000	120	42. - 172.	9389	blank
Bromodichloromethane	mg/l	< 0.00100	0.02340	0.02000	117	42. - 172.	9389	blank
Bromoform	mg/l	< 0.00100	0.02440	0.02000	122	13. - 159.	9389	blank
Bromoform	mg/l	< 0.00100	0.02560	0.02000	128	13. - 159.	9389	blank
Bromomethane	mg/l	< 0.00100	0.01780	0.02000	89	10. - 144.	9389	blank
Bromomethane	mg/l	< 0.00100	0.01680	0.02000	84	10. - 144.	9389	blank
Carbon tetrachloride	mg/l	< 0.00100	0.02300	0.02000	115	43. - 143.	9389	blank
Carbon tetrachloride	mg/l	< 0.00100	0.02200	0.02000	110	43. - 143.	9389	blank

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
Page: 2

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Chloroethane	mg/l	< 0.00100	0.02170	0.02000	108	46. - 137.	9389	blank
Chloroethane	mg/l	< 0.00100	0.02130	0.02000	106	46. - 137.	9389	blank
2-Chloroethylvinylether	mg/l	< 0.00100	0.01420	0.02000	71	14. - 186.	9389	blank
2-Chloroethylvinylether	mg/l	< 0.00100	0.01530	0.02000	76	14. - 186.	9389	blank
Chloroform	mg/l	< 0.00100	0.02220	0.02000	111	49. - 133.	9389	blank
Chloroform	mg/l	< 0.00100	0.02340	0.02000	117	49. - 133.	9389	blank
Chloromethane	mg/l	< 0.00100	0.01870	0.02000	94	10. - 193.	9389	blank
Chloromethane	mg/l	< 0.00100	0.01860	0.02000	93	10. - 193.	9389	blank
Dibromochloromethane	mg/l	< 0.00100	0.02330	0.02000	116	24. - 191.	9389	blank
Dibromochloromethane	mg/l	< 0.00100	0.02390	0.02000	120	24. - 191.	9389	blank
Ethylene Dibromide	mg/l	< 0.00100	0.02300	0.02000	115	67. - 133.	9389	blank
Ethylene Dibromide	mg/l	< 0.00100	0.02480	0.02000	124	67. - 133.	9389	blank
Vinyl chloride	mg/l	< 0.00100	0.01990	0.02000	100	28. - 163.	9389	blank
Vinyl chloride	mg/l	< 0.00100	0.02010	0.02000	100	28. - 163.	9389	blank
Dichlorodifluoromethane	mg/l	< 0.00100	0.01890	0.02000	94	23. - 196.	9389	blank
Dichlorodifluoromethane	mg/l	< 0.00100	0.01840	0.02000	92	23. - 196.	9389	blank
1,1-Dichloroethane	mg/l	< 0.00100	0.02200	0.02000	110	47. - 132.	9389	blank
1,1-Dichloroethane	mg/l	< 0.00100	0.02240	0.02000	112	47. - 132.	9389	blank
1,2-Dichloroethane	mg/l	< 0.00100	0.02340	0.02000	117	51. - 147.	9389	blank
1,2-Dichloroethane	mg/l	< 0.00100	0.02300	0.02000	115	51. - 147.	9389	blank
1,1-Dichloroethene	mg/l	< 0.00100	0.02170	0.02000	108	28. - 167.	9389	blank
1,1-Dichloroethene	mg/l	< 0.00100	0.02120	0.02000	106	28. - 167.	9389	blank
cis-1,2-Dichloroethene	mg/l	< 0.00100	0.02080	0.02000	104	68. - 143.	9389	blank
cis-1,2-Dichloroethene	mg/l	< 0.00100	0.02140	0.02000	107	68. - 143.	9389	blank
trans-1,2-Dichloroethene	mg/l	< 0.00100	0.02200	0.02000	110	38. - 155.	9389	blank
trans-1,2-Dichloroethene	mg/l	< 0.00100	0.02150	0.02000	108	38. - 155.	9389	blank
1,2-Dichloropropane	mg/l	< 0.00100	0.02390	0.02000	120	44. - 156.	9389	blank
1,2-Dichloropropane	mg/l	< 0.00100	0.02330	0.02000	116	44. - 156.	9389	blank
cis-1,3-Dichloropropene	mg/l	< 0.00100	0.02300	0.02000	115	22. - 178.	9389	blank
cis-1,3-Dichloropropene	mg/l	< 0.00100	0.02320	0.02000	116	22. - 178.	9389	blank
trans-1,3-Dichloropropene	mg/l	< 0.00100	0.02320	0.02000	116	22. - 178.	9389	blank
trans-1,3-Dichloropropene	mg/l	< 0.00100	0.02280	0.02000	114	22. - 178.	9389	blank
Methylene chloride	mg/l	< 0.00500	0.02280	0.02000	114	25. - 162.	9389	blank

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
Page: 3

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Methylene chloride	mg/l	< 0.00500	0.02250	0.02000	112	25. - 162.	9389	blank
1,1,2,2-Tetrachloroethane	mg/l	< 0.00100	0.02230	0.02000	112	8. - 184.	9389	blank
1,1,2,2-Tetrachloroethane	mg/l	< 0.00100	0.02270	0.02000	114	8. - 184.	9389	blank
Tetrachloroethene	mg/l	< 0.00100	0.02280	0.02000	114	26. - 162.	9389	blank
Tetrachloroethene	mg/l	< 0.00100	0.02370	0.02000	118	26. - 162.	9389	blank
1,1,1-Trichloroethane	mg/l	< 0.00100	0.02340	0.02000	117	41. - 138.	9389	blank
1,1,1-Trichloroethane	mg/l	< 0.00100	0.02240	0.02000	112	41. - 138.	9389	blank
1,1,2-Trichloroethane	mg/l	< 0.00100	0.02330	0.02000	116	39. - 136.	9389	blank
1,1,2-Trichloroethane	mg/l	< 0.00100	0.02380	0.02000	119	39. - 136.	9389	blank
Trichloroethene	mg/l	< 0.00100	0.02270	0.02000	114	35. - 146.	9389	blank
Trichloroethene	mg/l	< 0.00100	0.02370	0.02000	118	35. - 146.	9389	blank
Trichlorofluoromethane	mg/l	< 0.00100	0.02150	0.02000	108	21. - 156.	9389	blank
Trichlorofluoromethane	mg/l	< 0.00100	0.02070	0.02000	104	21. - 156.	9389	blank

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
EXTRACTABLE PARAMETERS								
Acenaphthene	mg/l	< 0.0100	0.0430	0.0500	86	47. - 145.	585	blank
Acenaphthylene	mg/l	< 0.0100	0.0430	0.0500	86	33. - 145.	585	blank
Anthracene	mg/l	< 0.0100	0.0460	0.0500	92	27. - 133.	585	blank
Benzo(a)anthracene	mg/l	< 0.0100	0.0460	0.0500	92	33. - 143.	585	blank
Benzo(a)pyrene	mg/l	< 0.0100	0.0460	0.0500	92	17. - 163.	585	blank
Benzo(b)fluoranthene	mg/l	< 0.0100	0.0450	0.0500	90	24. - 159.	585	blank
Benzo(g,h,i)perylene	mg/l	< 0.0100	0.0550	0.0500	110	10. - 219.	585	blank
Benzo(k)fluoranthene	mg/l	< 0.0100	0.0420	0.0500	84	11. - 162.	585	blank
4-Bromophenylphenylether	mg/l	< 0.0100	0.0480	0.0500	96	53. - 127.	585	blank
Butylbenzylphthalate	mg/l	< 0.0100	0.0460	0.0500	92	10. - 152.	585	blank
bis(2-Chloroethoxy)methane	mg/l	< 0.0100	0.0390	0.0500	78	33. - 184.	585	blank
bis(2-Chloroethyl)ether	mg/l	< 0.0100	0.0380	0.0500	76	12. - 158.	585	blank

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
bis(2-Chloroisopropyl)ether	mg/l	< 0.0100	0.0380	0.0500	76	36. - 166.	585	blank
2-Chloronaphthalene	mg/l	< 0.0100	0.0410	0.0500	82	60. - 118.	585	blank
4-Chlorophenylphenylether	mg/l	< 0.0100	0.0440	0.0500	88	25. - 158.	585	blank
Chrysene	mg/l	< 0.0100	0.0450	0.0500	90	17. - 168.	585	blank
Dibenz(a,h)anthracene	mg/l	< 0.0100	0.0530	0.0500	106	10. - 227.	585	blank
1,2-Dichlorobenzene	mg/l	< 0.0100	0.0350	0.0500	70	32. - 129.	585	blank
1,3-Dichlorobenzene	mg/l	< 0.0100	0.0330	0.0500	66	10. - 172.	585	blank
1,4-Dichlorobenzene	mg/l	< 0.0100	0.0330	0.0500	66	20. - 124.	585	blank
3,3'-Dichlorobenzidine	mg/l	< 0.0100	0.0550	0.0500	110	10. - 262.	585	blank
Diethylphthalate	mg/l	< 0.0100	0.0520	0.0500	104	10. - 114.	585	blank
Dimethylphthalate	mg/l	< 0.0100	0.0450	0.0500	90	10. - 112.	585	blank
Di-n-butylphthalate	mg/l	< 0.0100	0.0470	0.0500	94	1. - 118.	585	blank
2,4-dinitrotoluene	mg/l	< 0.0100	0.0470	0.0500	94	39. - 139.	585	blank
2,6-Dinitrotoluene	mg/l	< 0.0100	0.0460	0.0500	92	50. - 158.	585	blank
Di-n-octylphthalate	mg/l	< 0.0100	0.0440	0.0500	88	4. - 146.	585	blank
Fluoranthene	mg/l	< 0.0100	0.0470	0.0500	94	26. - 137.	585	blank
Fluorene	mg/l	< 0.0100	0.0510	0.0500	102	59. - 121.	585	blank
Hexachlorobenzene	mg/l	< 0.0100	0.0490	0.0500	98	10. - 152.	585	blank
Hexachlorobutadiene	mg/l	< 0.0100	0.0370	0.0500	74	24. - 116.	585	blank
Hexachlorocyclopentadiene	mg/l	< 0.0100	0.0350	0.0500	70	4. - 96.	585	blank
Hexachloroethane	mg/l	< 0.0100	0.0310	0.0500	62	40. - 113.	585	blank
Indeno(1,2,3-cd)pyrene	mg/l	< 0.0100	0.0550	0.0500	110	10. - 171.	585	blank
Isophorone	mg/l	< 0.0100	0.0400	0.0500	80	21. - 196.	585	blank
Naphthalene	mg/l	< 0.0100	0.0380	0.0500	76	21. - 133.	585	blank
Nitrobenzene	mg/l	< 0.0100	0.0390	0.0500	78	35. - 180.	585	blank
N-nitrosodi-n-propylamine	mg/l	< 0.0100	0.0420	0.0500	84	10. - 230.	585	blank
N-nitrosodiphenylamine	mg/l	< 0.0100	0.0460	0.0500	92	25. - 128.	585	blank
Phenanthrene	mg/l	< 0.0100	0.0460	0.0500	92	54. - 120.	585	blank
Pyrene	mg/l	< 0.0100	0.0470	0.0500	94	52. - 115.	585	blank
Bis(2-ethylhexyl)phthalate	mg/l	< 0.0100	0.0460	0.0500	92	8. - 158.	585	blank
1,2,4-Trichlorobenzene	mg/l	< 0.0100	0.0360	0.0500	72	44. - 142.	585	blank

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
Page: 5

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.1000	0.1009	101	39 - 150	9763
Toluene	mg/l	0.1000	0.09740	97	46 - 148	9763
Ethylbenzene	mg/l	0.1000	0.09810	98	32 - 160	9763
Xylenes, total	mg/l	0.2000	0.1920	96	74 - 123	9763
Methyl-t-butylether	mg/l	0.1000	0.09260	93	74 - 128	9763
Naphthalene	mg/l	0.1000	0.09740	97	63 - 142	9763
BTEX/GRO Surr., a,a,a-TFT	% Recovery			105	67 - 135	9763

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Chlorobenzene	mg/l	0.02000	0.02330	116	55 - 135	9389
1,2-Dichlorobenzene	mg/l	0.02000	0.02280	114	37 - 154	9389
1,3-Dichlorobenzene	mg/l	0.02000	0.02230	112	50 - 141	9389
1,4-Dichlorobenzene	mg/l	0.02000	0.02300	115	42 - 143	9389
Bromodichloromethane	mg/l	0.02000	0.02260	113	42 - 172	9389
Bromoform	mg/l	0.02000	0.02200	110	13 - 159	9389
Bromomethane	mg/l	0.02000	0.02130	106	10 - 144	9389
Carbon tetrachloride	mg/l	0.02000	0.02090	104	43 - 143	9389
Chloroethane	mg/l	0.02000	0.02200	110	46 - 137	9389
2-Chloroethylvinylether	mg/l	0.02000	0.01820	91	14 - 186	9389
Chloroform	mg/l	0.02000	0.02220	111	49 - 133	9389
Chloromethane	mg/l	0.02000	0.02120	106	10 - 193	9389
Dibromochloromethane	mg/l	0.02000	0.02390	120	24 - 191	9389
Ethylene Dibromide	mg/l	0.02000	0.02470	124	69 - 133	9389
Vinyl chloride	mg/l	0.02000	0.02210	110	28 - 163	9389
Dichlorodifluoromethane	mg/l	0.02000	0.02450	122	34 - 146	9389
1,1-Dichloroethane	mg/l	0.02000	0.02120	106	47 - 132	218

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1-Dichloroethane	mg/l	0.02000	0.02120	106	47 - 132	9389
1,2-Dichloroethane	mg/l	0.02000	0.02300	115	51 - 147	9389
1,1-Dichloroethene	mg/l	0.02000	0.01950	98	28 - 167	218
1,1-Dichloroethene	mg/l	0.02000	0.01950	98	28 - 167	9389
cis-1,2-Dichloroethene	mg/l	0.02000	0.02140	107	71 - 134	9389
trans-1,2-Dichloroethene	mg/l	0.02000	0.02060	103	38 - 155	9389
1,2-Dichloropropane	mg/l	0.02000	0.02290	114	44 - 156	9389
cis-1,3-Dichloropropene	mg/l	0.02000	0.02360	118	22 - 178	9389
trans-1,3-Dichloropropene	mg/l	0.02000	0.02170	108	22 - 178	9389
Methylene chloride	mg/l	0.02000	0.02180	109	25 - 162	9389
1,1,2,2-Tetrachloroethane	mg/l	0.02000	0.02250	112	8 - 184	9389
Tetrachloroethene	mg/l	0.02000	0.02270	114	26 - 162	9389
1,1,1-Trichloroethane	mg/l	0.02000	0.02170	108	41 - 138	218
1,1,1-Trichloroethane	mg/l	0.02000	0.02170	108	41 - 138	9389
1,1,2-Trichloroethane	mg/l	0.02000	0.02310	116	39 - 136	9389
Trichloroethene	mg/l	0.02000	0.02300	115	35 - 146	9389
Trichlorofluoromethane	mg/l	0.02000	0.02090	104	21 - 156	9389

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
EXTRACTABLE PARAMETERS						
Acenaphthene	mg/l	0.0500	0.0420	84	47 - 145	585
Acenaphthylene	mg/l	0.0500	0.0440	88	33 - 145	585
Anthracene	mg/l	0.0500	0.0470	94	27 - 133	585
Benzo(a)anthracene	mg/l	0.0500	0.0470	94	33 - 143	585
Benzo(a)pyrene	mg/l	0.0500	0.0480	96	17 - 163	585
Benzo(b)fluoranthene	mg/l	0.0500	0.0510	102	24 - 159	585
Benzo(g,h,i)perylene	mg/l	0.0500	0.0290	58	10 - 219	585
Benzo(k)fluoranthene	mg/l	0.0500	0.0480	96	11 - 162	585
4-Bromophenylphenylether	mg/l	0.0500	0.0470	94	53 - 127	585

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Butylbenzylphthalate	mg/l	0.0500	0.0480	96	10 - 152	585
Carbazole	mg/L	0.0500	0.0480	96	39 - 114	585
4-Chloroaniline	mg/L	0.0500	0.0430	86	34 - 113	585
bis(2-Chloroethoxy)methane	mg/l	0.0500	0.0430	86	33 - 184	585
bis(2-Chloroethyl)ether	mg/l	0.0500	0.0440	88	12 - 158	585
bis(2-Chloroisopropyl)ether	mg/l	0.0500	0.0420	84	36 - 166	585
2-Chloronaphthalene	mg/l	0.0500	0.0420	84	60 - 118	585
4-Chlorophenylphenylether	mg/l	0.0500	0.0440	88	25 - 158	585
Chrysene	mg/l	0.0500	0.0450	90	17 - 168	585
Dibenzofuran	mg/L	0.0500	0.0440	88	39 - 115	585
Dibenz(a,h)anthracene	mg/l	0.0500	0.0340	68	10 - 227	585
1,2-Dichlorobenzene	mg/l	0.0500	0.0370	74	32 - 129	585
1,3-Dichlorobenzene	mg/l	0.0500	0.0350	70	10 - 172	585
1,4-Dichlorobenzene	mg/l	0.0500	0.0350	70	20 - 124	585
3,3'-Dichlorobenzidine	mg/l	0.0500	0.0560	112	10 - 262	585
Diethylphthalate	mg/l	0.0500	0.0520	104	10 - 114	585
Dimethylphthalate	mg/l	0.0500	0.0450	90	10 - 112	585
Di-n-butylphthalate	mg/l	0.0500	0.0470	94	1 - 118	585
2,4-dinitrotoluene	mg/l	0.0500	0.0490	98	39 - 139	585
2,6-Dinitrotoluene	mg/l	0.0500	0.0480	96	50 - 158	585
Di-n-octylphthalate	mg/l	0.0500	0.0580	116	4 - 146	585
Fluoranthene	mg/l	0.0500	0.0470	94	26 - 137	585
Fluorene	mg/l	0.0500	0.0520	104	59 - 121	585
Hexachlorobenzene	mg/l	0.0500	0.0470	94	10 - 152	585
Hexachlorobutadiene	mg/l	0.0500	0.0360	72	24 - 116	585
Hexachlorocyclopentadiene	mg/l	0.0500	0.0310	62	4 - 96	585
Hexachloroethane	mg/l	0.0500	0.0330	66	40 - 113	585
Indeno(1,2,3-cd)pyrene	mg/l	0.0500	0.0330	66	10 - 171	585
Isophorone	mg/l	0.0500	0.0440	88	21 - 196	585
2-Methylnaphthalene	mg/l	0.0500	0.0410	82	35 - 122	585
Naphthalene	mg/l	0.0500	0.0400	80	21 - 133	585
2-Nitroaniline	mg/l	0.0500	0.0480	96	38 - 120	585
3-Nitroaniline	mg/L	0.0500	0.0490	98	39 - 122	585

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
4-Nitroaniline	mg/L	0.0500	0.0480	96	39 - 120	585
Nitrobenzene	mg/l	0.0500	0.0420	84	35 - 180	585
N-nitrosodi-n-propylamine	mg/l	0.0500	0.0460	92	10 - 230	585
N-nitrosodiphenylamine	mg/l	0.0500	0.0460	92	25 - 128	585
Phenanthrene	mg/l	0.0500	0.0460	92	54 - 120	585
Pyrene	mg/l	0.0500	0.0490	98	52 - 115	585
Bis(2-ethylhexyl)phthalate	mg/l	0.0500	0.0480	96	8 - 158	585
1,2,4-Trichlorobenzene	mg/l	0.0500	0.0370	74	44 - 142	585

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00065	mg/l	9763	1/ 3/02	18:46
Toluene	< 0.00061	mg/l	9763	1/ 3/02	18:46
Ethylbenzene	< 0.00073	mg/l	9763	1/ 3/02	18:46
Xylenes, total	< 0.0010	mg/l	9763	1/ 3/02	18:46
Methyl-t-butylether	< 0.00074	mg/l	9763	1/ 3/02	18:46
Naphthalene	< 0.00130	mg/l	9763	1/ 3/02	18:46

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	102.	% Recovery	9763	1/ 3/02	18:46

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Chlorobenzene	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,2-Dichlorobenzene	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,3-Dichlorobenzene	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,4-Dichlorobenzene	< 0.00100	mg/l	9389	1/ 2/02	22:09
Bromodichloromethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Bromoform	< 0.00100	mg/l	9389	1/ 2/02	22:09
Bromomethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Carbon tetrachloride	< 0.00100	mg/l	9389	1/ 2/02	22:09
Chloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
2-Chloroethylvinylether	< 0.00100	mg/l	9389	1/ 2/02	22:09
Chloroform	< 0.00100	mg/l	9389	1/ 2/02	22:09
Chloromethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Dibromochloromethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Ethylene Dibromide	< 0.00100	mg/l	9389	1/ 2/02	22:09
Vinyl chloride	< 0.00100	mg/l	9389	1/ 2/02	22:09
Dichlorodifluoromethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,1-Dichloroethane	< 0.00100	mg/l	218	1/ 2/02	22:09
1,1-Dichloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,2-Dichloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,1-Dichloroethene	< 0.00100	mg/l	218	1/ 2/02	22:09
1,1-Dichloroethene	< 0.00100	mg/l	9389	1/ 2/02	22:09
cis-1,2-Dichloroethene	< 0.00100	mg/l	9389	1/ 2/02	22:09
trans-1,2-Dichloroethene	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,2-Dichloropropane	< 0.00100	mg/l	9389	1/ 2/02	22:09
cis-1,3-Dichloropropene	< 0.00100	mg/l	9389	1/ 2/02	22:09
trans-1,3-Dichloropropene	< 0.00100	mg/l	9389	1/ 2/02	22:09
Methylene chloride	< 0.00500	mg/l	9389	1/ 2/02	22:09
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Tetrachloroethene	< 0.00100	mg/l	9389	1/ 2/02	22:09
1,1,1-Trichloroethane	< 0.00100	mg/l	218	1/ 2/02	22:09
1,1,1-Trichloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
1,1,2-Trichloroethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Trichloroethene	< 0.00100	mg/l	9389	1/ 2/02	22:09
Trichlorofluoromethane	< 0.00100	mg/l	9389	1/ 2/02	22:09
Hall Surr., 2-chloropropane	92.	% Rec	218	1/ 2/02	22:09
Hall Surr., 2-chloropropane	92.	% Rec	9389	1/ 2/02	22:09
Hall Surr., chloroprene	89.	% Rec	218	1/ 2/02	22:09
Hall Surr., chloroprene	89.	% Rec	9389	1/ 2/02	22:09
Hall Surr., 1-chloro-3-fluorobenzene	106.	% Rec	218	1/ 2/02	22:09
Hall Surr., 1-chloro-3-fluorobenzene	106.	% Rec	9389	1/ 2/02	22:09
PID Surr., a,a,a-trifluorotoluene	97.	% Recovery	218	1/ 2/02	22:09
PID Surr., a,a,a-trifluorotoluene	97.	% Recovery	9389	1/ 2/02	22:09

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EXTRACTABLE PARAMETERS					
Acenaphthene	< 0.0100	mg/l	585	1/ 4/02	2:10
Acenaphthylene	< 0.0100	mg/l	585	1/ 4/02	2:10
Anthracene	< 0.0100	mg/l	585	1/ 4/02	2:10
Benzo(a)anthracene	< 0.0100	mg/l	585	1/ 4/02	2:10
Benzo(a)pyrene	< 0.0100	mg/l	585	1/ 4/02	2:10
Benzo(b)fluoranthene	< 0.0100	mg/l	585	1/ 4/02	2:10
Benzo(g,h,i)perylene	< 0.0100	mg/l	585	1/ 4/02	2:10
Benzo(k)fluoranthene	< 0.0100	mg/l	585	1/ 4/02	2:10
4-Bromophenylphenylether	< 0.0100	mg/l	585	1/ 4/02	2:10
Butylbenzylphthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
Carbazole	< 0.0100	mg/L	585	1/ 4/02	2:10
4-Chloroaniline	< 0.0100	mg/L	585	1/ 4/02	2:10
bis(2-Chloroethoxy)methane	< 0.0100	mg/l	585	1/ 4/02	2:10
bis(2-Chloroethyl)ether	< 0.0100	mg/l	585	1/ 4/02	2:10
bis(2-Chloroisopropyl)ether	< 0.0100	mg/l	585	1/ 4/02	2:10

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013-94-012
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
2-Chloronaphthalene	< 0.0100	mg/l	585	1/ 4/02	2:10
4-Chlorophenylphenylether	< 0.0100	mg/l	585	1/ 4/02	2:10
Chrysene	< 0.0100	mg/l	585	1/ 4/02	2:10
Dibenzofuran	< 0.0100	mg/L	585	1/ 4/02	2:10
Dibenz(a,h)anthracene	< 0.0100	mg/l	585	1/ 4/02	2:10
1,2-Dichlorobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10
1,3-Dichlorobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10
1,4-Dichlorobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10
3,3'-Dichlorobenzidine	< 0.0100	mg/l	585	1/ 4/02	2:10
Diethylphthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
Dimethylphthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
Di-n-butylphthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
2,4-dinitrotoluene	< 0.0100	mg/l	585	1/ 4/02	2:10
2,6-Dinitrotoluene	< 0.0100	mg/l	585	1/ 4/02	2:10
Di-n-octylphthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
Fluoranthene	< 0.0100	mg/l	585	1/ 4/02	2:10
Fluorene	< 0.0100	mg/l	585	1/ 4/02	2:10
Hexachlorobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10
Hexachlorobutadiene	< 0.0100	mg/l	585	1/ 4/02	2:10
Hexachlorocyclopentadiene	< 0.0100	mg/l	585	1/ 4/02	2:10
Hexachloroethane	< 0.0100	mg/l	585	1/ 4/02	2:10
Indeno(1,2,3-cd)pyrene	< 0.0100	mg/l	585	1/ 4/02	2:10
Isophorone	< 0.0100	mg/l	585	1/ 4/02	2:10
2-Methylnaphthalene	< 0.0100	mg/l	585	1/ 4/02	2:10
Naphthalene	< 0.0100	mg/l	585	1/ 4/02	2:10
2-Nitroaniline	< 0.0100	mg/l	585	1/ 4/02	2:10
3-Nitroaniline	< 0.0100	mg/L	585	1/ 4/02	2:10
4-Nitroaniline	< 0.0100	mg/L	585	1/ 4/02	2:10
Nitrobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10
N-nitrosodi-n-propylamine	< 0.0100	mg/l	585	1/ 4/02	2:10
N-nitrosodiphenylamine	< 0.0100	mg/l	585	1/ 4/02	2:10
Phenanthrene	< 0.0100	mg/l	585	1/ 4/02	2:10
Pyrene	< 0.0100	mg/l	585	1/ 4/02	2:10

Project QC continued . . .

TestAmerica INCORPORATED

Division/Laboratory Name: 2L6306

Client Name: Quantum / ELS Client #: 2367

Address: 7250 Cazenovia St. Hancock Air Park

City/State/Zip Code: N. Syracuse, N.Y. 13212

Project Manager: Gail Krause

Telephone Number: (315) 458-8033 Fax: 458-0249

Sampler Name: (Print Name) Charles C. Ross

Sampler Signature: Charles C. Ross

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring: YES

Project Name: Nello Teer

Project #: 0013-94-012

Site/Location ID: Durham State: NC

Report To: Gail Krause / Charles Ross

Invoice To: ELS

Quote #: PO#:

TAT: ___ Standard ___ Rush (surcharges may apply)

Date Needed:

Fax Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	601	602 + MTBE Naphthalene only	625 BN only									QC Deliverables: ___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other:	REMARKS
RW-1 188313	12/28	10:30	G	N	GW		3						X	X											~~189360~~ 189361
RW-2																									NOT Rec'd
RW-3 188314	12/28	10:00	G	N	GW		2						X	X	X										189363
RW-4 188315	"	11:10	G	N	GW		2						X	X											189362
RW-5 188316	12/27	10:30	"	"	"		3						X												189362
RW-6 188317	12/28	11:20	"	"	"								X												189356
RW-7 188318	"	11:30	"	"	"								X												157
RW-8																									189356
RW-9 188319	12/27	11:00	"	"	"		3						X												NOT Rec'd
																									189359

Fax to Raleigh Office (919) 785-1672

Special Instructions: Fed Ex

Relinquished By:	Date: 12/28	Time: 20:00	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: Riley	Date: 12/29/00	Time: 9:00

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

TestAmerica INCORPORATED

Division/Laboratory Name: 266306

Client Name: ELS / Quantum Client #: 2307

Address: 7280 Caswell St. Hancock Air Park

City/State/Zip Code: N. Syracuse, New York 13212

Project Manager: Cindi Krause

Telephone Number: (315) 458-8033 Fax: (315) 458-0249

Sampler Name: (Print Name) Charles C. Ross

Sampler Signature: Charles C. Ross

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring: yes

Project Name: Nello Tech

Project #: 0013-94-012

Site/Location ID: State: NC

Report To: Cindi Krause / Charles Ross

Invoice To: ELS

Quote #: PO#:

TAT: ✓ Standard; ___ Rush (surcharges may apply)

Date Needed:

Fax Results: (Y) N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: 601	602 + MTBE Naphthalene	625 BN only	QC Deliverables: ___ None, ___ Level 2 (Batch QC), ___ Level 3, ___ Level 4, Other:	REMARKS
MW-23 188320	12/28	11:00	G	N	GW		3						X	X			184364
MW-25 188321	12/27	10:00	"	N	"		2						X				189340
MW-13													X				No Sample
MW-20D													X	X			"
MW-26													X				"
MW-17													X				"

Special Instructions:

Relinquished By	Date	Time	Received By	Date	Time
Charles C. Ross	12/28	20:00			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
			Received By: Ray	Date: 12/29/01	Time: 9:00

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp:

Custody Seals: Y N NA

Bottles Supplied by TestAmerica: Y N

Method of Shipment:

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
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Pennsylvania
- Rhode Island

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

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 998707
RECEIVED: 01/08/02

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 188529 CLIENT SAMPLE ID: MW-18				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188530 CLIENT SAMPLE ID: MW-17				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188531 CLIENT SAMPLE ID: MW-26				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188532 CLIENT SAMPLE ID: MW-13				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/09/02	EPA 601	387 (NC)
SAMPLE #: 188533 CLIENT SAMPLE ID: MW-20D				DATE SAMPLED:	01/02/02
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/09/02	EPA 601-602	387 (NC)
SAMPLE #: 188534 CLIENT SAMPLE ID: RW-2				DATE SAMPLED:	12/31/01
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/09/02	EPA 601-602	387 (NC)

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

PROJECT #: 998707
RECEIVED: 01/08/02

P.O. #
CLIENT JOB NUMBER: 001394012

Douglas W. Mendrala
Laboratory Director

01/14/02
Date

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

TestAmerica INCORPORATED

Division/Laboratory Name:

266868

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring: Yes

Client Name: Quantum — Client #: 2307
Address: 6001 Chapel Hill Rd. Suite 108
City/State/Zip Code: Raleigh NC 27607
Project Manager: C. Ross
Telephone Number: 919 852 3595 — Fax: 919 852 1997
Sampler Name: (Print Name) Tom Lewis
Sampler Signature:

Project Name: Teer
Project #: 0013 94 012
Site/Location ID: — State: NC
Report To: C. Ross
Invoice To: "
Quote #: — PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: 601	602	QC Deliverables: None; Level 2 (Batch QC); Level 3; Level 4; Other:	REMARKS
188529 MW-16	1/2/02	1210	G		GW		2						X			1970
85530 MW-17	"	1250	G		"		3						X			71
531 MW-26	"	1310	G		"		3						X			72
532 MW-13	"	1405	G		"		3						X			73
533 MW-20D	"	1600	G		"		3						X	X		74
534 RW-2	12/31	2000	G		"		3						X	X		1975

Fax To Raleigh Office (919) 785-1672

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	1/7/02	0800			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: C. Wilt	1/8/02	0900

LABORATORY COMMENTS:
Init Lab Temp:
Rec. Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 188529 02-A1970
Sample ID: MW-18
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 12:10
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Vinyl chloride	1.6	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1-Dichloroethane	1.9	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.5	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	21:21	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A1970
Sample ID: MW-18
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	67. - 135.
Hall Surr., 2-chloropropane	88.	54. - 114.
Hall Surr., chloroprene	70.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	97.	65. - 106.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

= Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188530

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1971
Sample ID: MW-17
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 12:50
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Vinyl chloride	2.0	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1-Dichloroethane	1.9	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	22:03	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A1971
Sample ID: MW-17
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	78.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	96.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188531

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1972
Sample ID: MW-26
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 13:10
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1-Dichloroethane	1.8	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.7	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	22:45	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A1972
Sample ID: MW-26
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	72.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	95.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

Ø - Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188532

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1973
Sample ID: MW-13
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 14:05
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Vinyl chloride	1.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1-Dichloroethane	4.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1-Dichloroethene	1.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.1	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	1:33	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A1973
Sample ID: MW-13
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Trichloroethene	1.4	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	88.	54. - 114.
Hall Surr., chloroprene	67.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	95.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

188533
Lab Number: 02-A1974
Sample ID: MW-20D
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 16:20
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	1.80	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Toluene	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Xylenes, total	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Vinyl chloride	2.3	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A1974
Sample ID: MW-20D
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	95.	54. - 114.
Hall Surr., chloroprene	76.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	92.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188534

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1975
Sample ID: RW-2
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 12/31/01
Time Collected: 20:00
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Toluene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Xylenes, total	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A1975
Sample ID: RW-2
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	67. - 135.
FID Surr., a,a,a-trifluorotoluene	95.	67. - 135.
Hall Surr., 2-chloropropane	91.	54. - 114.
Hall Surr., chloroprene	77.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	92.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00065	0.04760	0.05000	95	39. - 150.	2802	blank
Ethylbenzene	mg/l	< 0.00073	0.04540	0.05000	91	32. - 160.	2802	blank
Xylenes, total	mg/l	< 0.0010	0.0905	0.1000	90	74. - 125.	2802	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				103	67. - 135.	2802	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
1,1-Dichloroethene	mg/l	< 0.00100	0.01920	0.02000	96	28. - 167.	2513	02-A1700
Trichloroethene	mg/l	< 0.00100	0.01970	0.02000	98	35. - 146.	2513	02-A1700

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.1000	0.09280	93	39 - 150	2802
Toluene	mg/l	0.1000	0.08250	82	46 - 148	2802
Ethylbenzene	mg/l	0.1000	0.08870	89	32 - 160	2802
Xylenes, total	mg/l	0.2000	0.1739	87	74 - 123	2802
BTEX/GRO Surr., a,a,a-TFT	% Recovery			100	67 - 133	2802

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 2

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Chlorobenzene	mg/l	0.02000	0.01840	92	55 - 135	2513
1,2-Dichlorobenzene	mg/l	0.02000	0.01800	90	37 - 154	2513
1,3-Dichlorobenzene	mg/l	0.02000	0.02010	100	50 - 141	2513
1,4-Dichlorobenzene	mg/l	0.02000	0.01870	94	42 - 143	2513
Bromodichloromethane	mg/l	0.02000	0.01860	93	42 - 172	2513
Bromoform	mg/l	0.02000	0.01800	90	13 - 159	2513
Bromomethane	mg/l	0.02000	0.02350	118	10 - 144	2513
Carbon tetrachloride	mg/l	0.02000	0.01980	99	43 - 143	2513
Chloroethane	mg/l	0.02000	0.01950	98	46 - 137	2513
2-Chloroethylvinylether	mg/l	0.02000	0.01520	76	14 - 186	2513
Chloroform	mg/l	0.02000	0.01840	92	49 - 133	2513
Chloromethane	mg/l	0.02000	0.01870	94	10 - 193	2513
Dibromochloromethane	mg/l	0.02000	0.01820	91	24 - 191	2513
Ethylene Dibromide	mg/l	0.02000	0.01820	91	69 - 133	2513
Vinyl chloride	mg/l	0.02000	0.02000	100	28 - 163	2513
Dichlorodifluoromethane	mg/l	0.02000	0.02380	119	34 - 146	2513
1,1-Dichloroethane	mg/l	0.02000	0.02060	103	47 - 132	2513
1,2-Dichloroethane	mg/l	0.02000	0.01830	92	51 - 147	2513
1,1-Dichloroethene	mg/l	0.02000	0.01930	96	28 - 167	2513
cis-1,2-Dichloroethene	mg/l	0.02000	0.01820	91	71 - 134	2513
trans-1,2-Dichloroethene	mg/l	0.02000	0.01870	94	38 - 155	2513
1,2-Dichloropropane	mg/l	0.02000	0.01950	98	44 - 156	2513
cis-1,3-Dichloropropene	mg/l	0.02000	0.01980	99	22 - 178	2513
trans-1,3-Dichloropropene	mg/l	0.02000	0.01890	94	22 - 178	2513
Methylene chloride	mg/l	0.02000	0.01950	98	25 - 162	2513
1,1,2,2-Tetrachloroethane	mg/l	0.02000	0.01780	89	8 - 184	2513
Tetrachloroethene	mg/l	0.02000	0.01960	98	26 - 162	2513
1,1,1-Trichloroethane	mg/l	0.02000	0.01900	95	41 - 138	2513
1,1,2-Trichloroethane	mg/l	0.02000	0.01770	88	39 - 136	2513
Trichloroethene	mg/l	0.02000	0.01910	96	35 - 146	2513
Trichlorofluoromethane	mg/l	0.02000	0.02140	107	21 - 156	2513

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 3

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00065	mg/l	2802	1/10/02	15:45
Ethylbenzene	< 0.00073	mg/l	2802	1/10/02	15:45
Xylenes, total	< 0.0010	mg/l	2802	1/10/02	15:45

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	103.	% Recovery	2802	1/10/02	15:45

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Chlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,3-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,4-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromodichloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromoform	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromomethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Carbon tetrachloride	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
2-Chloroethylvinylether	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloroform	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Dibromochloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 4

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylene Dibromide	< 0.00100	mg/l	2513	1/ 8/02	16:47
Vinyl chloride	< 0.00100	mg/l	2513	1/ 8/02	16:47
Dichlorodifluoromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1-Dichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
cis-1,2-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
trans-1,2-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichloropropane	< 0.00100	mg/l	2513	1/ 8/02	16:47
cis-1,3-Dichloropropene	< 0.00100	mg/l	2513	1/ 8/02	16:47
trans-1,3-Dichloropropene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Methylene chloride	< 0.00500	mg/l	2513	1/ 8/02	16:47
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Tetrachloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1,1-Trichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1,2-Trichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Trichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Trichlorofluoromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Hall Surr., 2-chloropropane	86.	% Rec	2513	1/ 8/02	16:47
Hall Surr., chloroprene	93.	% Rec	2513	1/ 8/02	16:47
Hall Surr., 1-chloro-3-fluorobenzene	94.	% Rec	2513	1/ 8/02	16:47
PID Surr., a,a,a-trifluorotoluene	96.	% Recovery	2513	1/ 8/02	16:47

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 266868

2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

ANALYTICAL SERVICES

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

• EPA/NVLAP 101262-0 • NY DOH/NELAC 10903 • NJ DEP 77020
• AIHA ACCREDITATION NO. 100439 • PA DEP 06-353 • CT DPH PH-0238
• NC DENR 599

ANALYTICAL REPORT

Client: Quantum Environmental

Report to: Charles C. Ross
Quantum Environmental
6001 Chapel Hill Road
Raleigh NC 27607

Project: 207946
Received: 26-OCT-01
Reported: 08-NOV-01

Project Description: BTEX by 602 Analysis (MW-23, RW-3, RW-2)

	RESULT	UNITS	METHOD	DATE	ANALYST
MW-23					
Lab Sample: 1469162					
sampled: 25-OCT-01 09:30 by: CR					
Benzene	23	ug/l	602	05-NOV-01	CLR
Ethylbenzene	4	ug/l	602	05-NOV-01	CLR
Methyl tertiary-butyl ether	4	ug/l	602	05-NOV-01	CLR
Toluene	< 1	ug/l	602	05-NOV-01	CLR
Xylenes	9	ug/l	602	05-NOV-01	CLR
RW-3					
Lab Sample: 1469163					
sampled: 25-OCT-01 09:00 by: CR					
Benzene	40	ug/l	602	05-NOV-01	CLR
Ethylbenzene	26	ug/l	602	05-NOV-01	CLR
Methyl tertiary-butyl ether	17	ug/l	602	05-NOV-01	CLR
Toluene	28	ug/l	602	05-NOV-01	CLR
Xylenes	61	ug/l	602	05-NOV-01	CLR
RW-2					
Lab Sample: 1469164					
sampled: 25-OCT-01 10:45 by: CR					
Benzene	< 1	ug/l	602	05-NOV-01	CLR
Ethylbenzene	< 1	ug/l	602	05-NOV-01	CLR
Methyl tertiary-butyl ether	3	ug/l	602	05-NOV-01	CLR
Toluene	< 1	ug/l	602	05-NOV-01	CLR
Xylenes	< 1	ug/l	602	05-NOV-01	CLR

< Indicates less than the limit of quantitation.

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
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Pennsylvania
- Rhode Island

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

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 998707
RECEIVED: 01/08/02

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 188529 CLIENT SAMPLE ID: MW-18				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188530 CLIENT SAMPLE ID: MW-17				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188531 CLIENT SAMPLE ID: MW-26				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/08/02	EPA 601	387 (NC)
SAMPLE #: 188532 CLIENT SAMPLE ID: MW-13				DATE SAMPLED:	01/02/02
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		01/09/02	EPA 601	387 (NC)
SAMPLE #: 188533 CLIENT SAMPLE ID: MW-20D				DATE SAMPLED:	01/02/02
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/09/02	EPA 601-602	387 (NC)
SAMPLE #: 188534 CLIENT SAMPLE ID: RW-2				DATE SAMPLED:	12/31/01
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		01/09/02	EPA 601-602	387 (NC)

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

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 998707
RECEIVED: 01/08/02

Douglas W. Mendrala
Laboratory Director

01/14/02
Date

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

TestAmerica INCORPORATED

Division/Laboratory Name:

266868

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring: Yes

Client Name: Quantum — Client #: 2307
Address: 6001 Chapel Hill Rd. Suite 108
City/State/Zip Code: Raleigh NC 27607
Project Manager: C. Ross
Telephone Number: 919 852 3595 — Fax: 919 852 1997
Sampler Name: (Print Name) Tom Davis
Sampler Signature:

Project Name: Teer
Project #: 0013 94 012
Site/Location ID: — State: NC
Report To: C. Ross
Invoice To:
Quote #: — PO#:

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N

Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other

Preservation & # of Containers: HNO3, HCl, NaOH, H2SO4, Methanol, None, Other (Specify)

Analyze For: 601, 602

QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other:

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	601	602	REMARKS
55529	MW-16	1/2/02	1210	G		GW		2						X		1970
55530	MW-17	"	1250	G		"		3						X		71
531	MW-26	"	1310	G		"		3						X		72
532	MW-13	"	1405	G		"		3						X		73
533	MW-20D	"	1620	G		"		3						X	X	74
534	RW-2	12/31	2000	G		"		3						X	X	1975

Fax To Raleigh Office (919) 785-1672

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Tom Davis	1/7/02	0800			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: C. Wilt	1/8/02	0900

LABORATORY COMMENTS:
Init Lab Temp:
Rec. Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

188529
Lab Number: 02-A1970
Sample ID: MW-18
Sample Type: Water
Site ID:

Date Collected: 1/ 2/02
Time Collected: 12:10
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Vinyl chloride	1.6	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1-Dichloroethane	1.9	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.5	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	21:21	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A1970
Sample ID: MW-18
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	21:21	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	67. - 135.
Hall Surr., 2-chloropropane	88.	54. - 114.
Hall Surr., chloroprene	70.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	97.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

188530

Lab Number: 02-A1971
Sample ID: MW-17
Sample Type: Water
Site ID:

Date Collected: 1/ 2/02
Time Collected: 12:50
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Vinyl chloride	2.0	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1-Dichloroethane	1.9	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	22:03	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 02-A1971
Sample ID: MW-17
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:03	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	78.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	96.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

188531

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1972
Sample ID: MW-26
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 13:10
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1-Dichloroethane	1.8	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.7	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 8/02	22:45	CHollingsw	601	2513

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A1972
Sample ID: MW-26
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 8/02	22:45	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	90.	54. - 114.
Hall Surr., chloroprene	72.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	95.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

188532
Lab Number: 02-A1973
Sample ID: MW-13
Sample Type: Water
Site ID:

Date Collected: 1/ 2/02
Time Collected: 14:05
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Vinyl chloride	1.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1-Dichloroethane	4.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1-Dichloroethene	1.0	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
cis-1,2-Dichloroethene	2.1	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	1:33	CHollingsw	601	2513

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A1973
Sample ID: MW-13
Project: 0013 94 012
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Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Trichloroethene	1.4	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	1:33	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	88.	54. - 114.
Hall Surr., chloroprene	67.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	95.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

\# - Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

188533
Lab Number: 02-A1974
Sample ID: MW-20D
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 1/ 2/02
Time Collected: 16:20
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	1.80	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Toluene	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
Xylenes, total	ND	ug/l	1.00	1.00	1	1/11/02	1:22	D. Cooper	602	2802
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Vinyl chloride	2.3	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A1974
Sample ID: MW-20D
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:15	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	67. - 135.
PID Surr., a,a,a-trifluorotoluene	96.	67. - 135.
Hall Surr., 2-chloropropane	95.	54. - 114.
Hall Surr., chloroprene	76.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	92.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

188534

ELS: ENVIRONMENTAL LAB-SERVICE 2307
ELIZABETH BOUGH
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 02-A1975
Sample ID: RW-2
Sample Type: Water
Site ID:

Project: 0013 94 012
Project Name: TEER
Sampler: TOM DAVIS

Date Collected: 12/31/01
Time Collected: 20:00
Date Received: 1/ 8/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Benzene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Toluene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Ethylbenzene	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
Xylenes, total	ND	ug/l	1.00	1.00	1	1/11/02	1:50	D. Cooper	602	2802
VOLATILE ORGANICS by GC										
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	602/601	2513
Bromodichloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Bromoform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Bromomethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloroform	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Chloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Dibromochloromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Vinyl chloride	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 02-A1975
Sample ID: RW-2
Project: 0013 94 012
Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Methylene chloride	ND	ug/l	5.0	5.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Tetrachloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Trichloroethene	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	1/ 9/02	2:57	CHollingsw	601	2513

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	67. - 135.
FID Surr., a,a,a-trifluorotoluene	95.	67. - 135.
Hall Surr., 2-chloropropane	91.	54. - 114.
Hall Surr., chloroprene	77.	55. - 114.
Hall Surr., 1-chloro-3-fluorobenzene	92.	65. - 106.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00065	0.04760	0.05000	95	39. - 150.	2802	blank
Ethylbenzene	mg/l	< 0.00073	0.04540	0.05000	91	32. - 160.	2802	blank
Xylenes, total	mg/l	< 0.0010	0.0905	0.1000	90	74. - 125.	2802	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				103	67. - 135.	2802	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
1,1-Dichloroethene	mg/l	< 0.00100	0.01920	0.02000	96	28. - 167.	2513	02-A1700
Trichloroethene	mg/l	< 0.00100	0.01970	0.02000	98	35. - 146.	2513	02-A1700

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.1000	0.09280	93	39 - 150	2802
Toluene	mg/l	0.1000	0.08250	82	46 - 148	2802
Ethylbenzene	mg/l	0.1000	0.08870	89	32 - 160	2802
Xylenes, total	mg/l	0.2000	0.1739	87	74 - 123	2802
BTEX/GRO Surr., a,a,a-TFT	% Recovery			100	67 - 135	2802

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 2

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Chlorobenzene	mg/l	0.02000	0.01840	92	55 - 135	2513
1,2-Dichlorobenzene	mg/l	0.02000	0.01800	90	37 - 154	2513
1,3-Dichlorobenzene	mg/l	0.02000	0.02010	100	50 - 141	2513
1,4-Dichlorobenzene	mg/l	0.02000	0.01870	94	42 - 143	2513
Bromodichloromethane	mg/l	0.02000	0.01860	93	42 - 172	2513
Bromoform	mg/l	0.02000	0.01800	90	13 - 159	2513
Bromomethane	mg/l	0.02000	0.02350	118	10 - 144	2513
Carbon tetrachloride	mg/l	0.02000	0.01980	99	43 - 143	2513
Chloroethane	mg/l	0.02000	0.01950	98	46 - 137	2513
2-Chloroethylvinylether	mg/l	0.02000	0.01520	76	14 - 186	2513
Chloroform	mg/l	0.02000	0.01840	92	49 - 133	2513
Chloromethane	mg/l	0.02000	0.01870	94	10 - 193	2513
Dibromochloromethane	mg/l	0.02000	0.01820	91	24 - 191	2513
Ethylene Dibromide	mg/l	0.02000	0.01820	91	69 - 133	2513
Vinyl chloride	mg/l	0.02000	0.02000	100	28 - 163	2513
Dichlorodifluoromethane	mg/l	0.02000	0.02380	119	34 - 146	2513
1,1-Dichloroethane	mg/l	0.02000	0.02060	103	47 - 132	2513
1,2-Dichloroethane	mg/l	0.02000	0.01830	92	51 - 147	2513
1,1-Dichloroethene	mg/l	0.02000	0.01930	96	28 - 167	2513
cis-1,2-Dichloroethene	mg/l	0.02000	0.01820	91	71 - 134	2513
trans-1,2-Dichloroethene	mg/l	0.02000	0.01870	94	38 - 155	2513
1,2-Dichloropropane	mg/l	0.02000	0.01950	98	44 - 156	2513
cis-1,3-Dichloropropene	mg/l	0.02000	0.01980	99	22 - 178	2513
trans-1,3-Dichloropropene	mg/l	0.02000	0.01890	94	22 - 178	2513
Methylene chloride	mg/l	0.02000	0.01950	98	25 - 162	2513
1,1,2,2-Tetrachloroethane	mg/l	0.02000	0.01780	89	8 - 184	2513
Tetrachloroethene	mg/l	0.02000	0.01960	98	26 - 162	2513
1,1,1-Trichloroethane	mg/l	0.02000	0.01900	95	41 - 138	2513
1,1,2-Trichloroethane	mg/l	0.02000	0.01770	88	39 - 136	2513
Trichloroethene	mg/l	0.02000	0.01910	96	35 - 146	2513
Trichlorofluoromethane	mg/l	0.02000	0.02140	107	21 - 156	2513

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00065	mg/l	2802	1/10/02	15:45
Ethylbenzene	< 0.00073	mg/l	2802	1/10/02	15:45
Xylenes, total	< 0.0010	mg/l	2802	1/10/02	15:45

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	2802	1/10/02	15:45

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Chlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,3-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,4-Dichlorobenzene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromodichloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromoform	< 0.00100	mg/l	2513	1/ 8/02	16:47
Bromomethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Carbon tetrachloride	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
2-Chloroethylvinylether	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloroform	< 0.00100	mg/l	2513	1/ 8/02	16:47
Chloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Dibromochloromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 0013 94 012
Page: 4

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylene Dibromide	< 0.00100	mg/l	2513	1/ 8/02	16:47
Vinyl chloride	< 0.00100	mg/l	2513	1/ 8/02	16:47
Dichlorodifluoromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1-Dichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
cis-1,2-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
trans-1,2-Dichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,2-Dichloropropane	< 0.00100	mg/l	2513	1/ 8/02	16:47
cis-1,3-Dichloropropene	< 0.00100	mg/l	2513	1/ 8/02	16:47
trans-1,3-Dichloropropene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Methylene chloride	< 0.00500	mg/l	2513	1/ 8/02	16:47
1,1,2,2-Tetrachloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Tetrachloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1,1-Trichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
1,1,2-Trichloroethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Trichloroethene	< 0.00100	mg/l	2513	1/ 8/02	16:47
Trichlorofluoromethane	< 0.00100	mg/l	2513	1/ 8/02	16:47
Hall Surr., 2-chloropropane	86.	% Rec	2513	1/ 8/02	16:47
Hall Surr., chloroprene	93.	% Rec	2513	1/ 8/02	16:47
Hall Surr., 1-chloro-3-fluorobenzene	94.	% Rec	2513	1/ 8/02	16:47
PID Surr., a,a,a-trifluorotoluene	96.	% Recovery	2513	1/ 8/02	16:47

\# - Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 266868

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PROJECT QUALITY CONTROL DATA
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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Bis(2-ethylhexyl)phthalate	< 0.0100	mg/l	585	1/ 4/02	2:10
1,2,4-Trichlorobenzene	< 0.0100	mg/l	585	1/ 4/02	2:10

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 266306

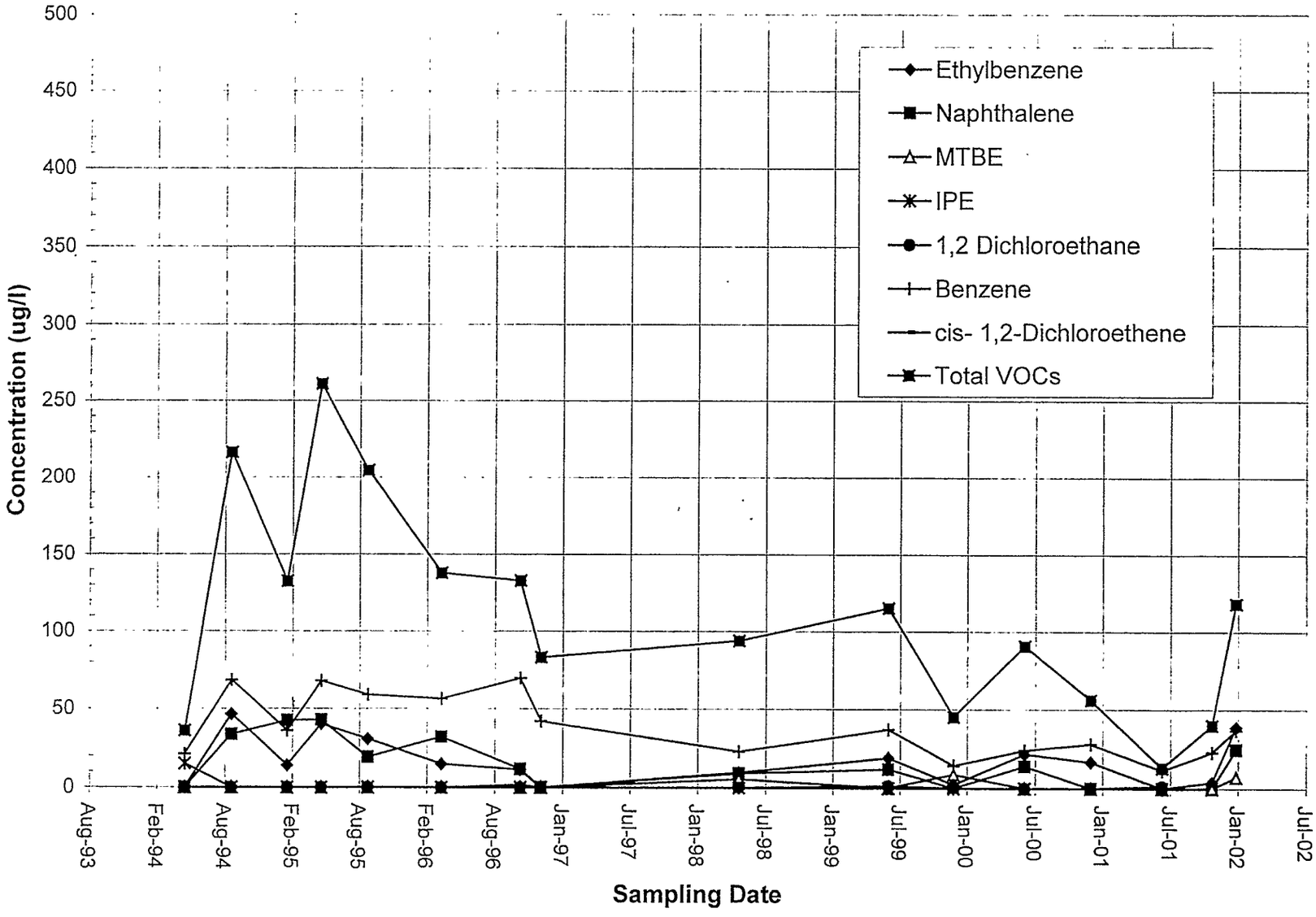
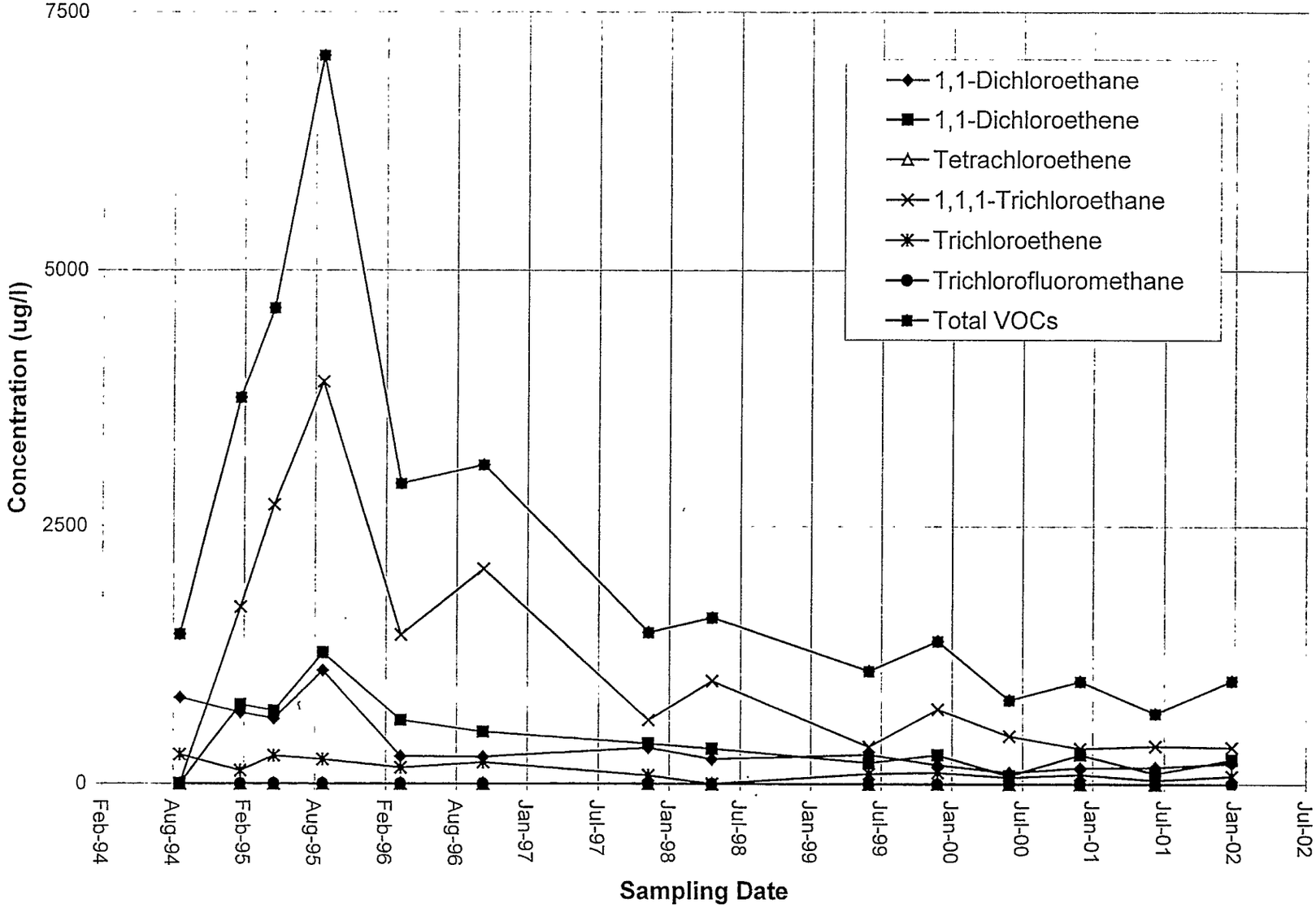
2960 Foster Creighton Drive / Nashville,TN 37204 / 615-726-0177 / Fax: 615-726-0954 / 800-765-0980

Appendix B

Appendix B

Charts for Groundwater Concentrations Versus Time for MW-23 and MW-25

MW-23 Historic Groundwater Monitoring Results.



MW-25 Historic Groundwater Monitoring Results.