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

Prepared for:

Hanson Aggregates
2300 Gateway Centre Boulevard
Morrisville, North Carolina 27560

Prepared by:

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

May 7, 2001

Quantum Project No: 0013-94-012

Quantum

Quantum Environmental, Inc.

May 29, 2001

Mr. Eric Rice
NC Dept. of Environment and Natural Resources
Raleigh Regional Office
Groundwater Section
1628 Mail Service Center
Raleigh, North Carolina 27699-1628

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Re: Compliance Monitoring Report Copy
Former Nello Teer Quarry Site
Durham, North Carolina

Dear Mr. Rice:

Please find enclosed the following report copy for the above referenced site in Durham County. This report details the findings of the most recent monitoring event and includes recommendations for further action. Please note that the water well abandonment slated for this site (W-2) is still pending following the selection of a backup water source.

Thanks for taking a few moments recently to discuss this site as it pertains to possible closure in the near future. If you receive any additional information pertaining to Groundwater Section rule changes that may potentially impact this site, I would appreciate hearing about them. I look forward to speaking with you in the near future.

Please let us know if you will require any additional information concerning this site. You may reach me at (919) 852-3595.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.

Charles C. Ross, LG
Project Hydrogeologist

L01-068:CCR

Enclosure

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

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

Date of Report: May 7, 2001

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

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Release Information:

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

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

NORTH CAROLINA LICENSED SEAL 1267 GEOLOGIST CHARLES C. ROSS

Charles C. Ross, P.G.
Project Manager

Michael T. Melia, P. E.
President

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1.0 Background

On December 6 and 7, 2000, Quantum Environmental, Inc. (Quantum) personnel conducted groundwater sampling activities from selected monitoring wells at the former Nello Teer (Teer) Quarry yard in Durham, North Carolina. This was done in accordance with the active remediation Corrective Action Plan (CAP) submitted to the North Carolina Department of Environment, Health and Natural Resources (DEHNR), Raleigh Regional Office in 1995. This report presents the sampling methodologies, groundwater flow directions, current extent of contamination, analytical results provided by Environmental Laboratory Services (ELS), and recommendations. Recovery wells were also sampled between December 6th and January 23rd to better define the contaminant plumes.

1.1 Site Location and History

The Nello Teer - Durham Quarry is an inactive aggregate mining and processing facility located on Denfield Street (State Road 1641) in Durham County, North Carolina (Figure 1). The property has been in operation as a crushed stone quarry and asphalt plant since the 1940s; however, 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 up the groundwater remediation system in October, 1997. To date over 7.5 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, & 9), and one deep recovery well is located

between the two source areas (RW-1). A well location map is presented in Figure 2. Eight monitoring wells make up the current groundwater monitoring well sampling network. Water level measurements were also obtained during this sampling event from twelve additional monitoring wells that are no longer in the sampling network. Recovery well RW-5 could not be sampled during this event due to unusually low groundwater levels.

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. Water elevation measurements were also collected from the monitoring wells to be sampled to determine the volume of groundwater in these wells. The measurements were collected to an accuracy of 0.01 feet and recorded in the field logbook.

In order to prevent cross contamination from one well to another while collecting water levels, Quantum personnel donned new, clean, non-reactive gloves 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-15I, MW-20D and MW-23
Recovery wells RW-1, RW-2, RW-3, RW-4, RW-8 and RW-9

*RW-5** not sampled due to dry conditions*

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 610 where applicable, with the exception of a number of shallow monitoring wells which were sampled for either 601 or 601/602 only. A copy of the laboratory results and Chain of Custody is included in Appendix A.

3.0 Sampling Results

Potentiometric data collected from the monitoring wells indicates that groundwater flow direction for the shallow aquifer is to the southeast with an average hydraulic gradient of 0.023. Water levels were generally much lower than during the previous sampling event (as much as ten feet lower) presumably due to lower rainfall amounts at the site prior to this 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. Table 1 presents a summary of the water level data from the December 2000 sampling event. Figures 3 and 4 present potentiometric maps of the shallow and deep aquifers, respectively.

3.1 Discussion of Sampling Results, Chlorinated Plume

Laboratory analytical results from the December, 2000 semi-annual sampling event indicate that levels of chlorinated hydrocarbons detected in the groundwater monitoring wells have decreased only moderately since the June 2000 sampling event. Monitoring well MW-25 currently indicates that total chlorinated volatile organic compounds (CVOCs) are present at 995 ppb, with nine constituents exceeding the 2L limits. MW-25 had shown significant decreases through June 2000, with a slight rebound during each December event. The present change for MW-25 is a 10 percent increase since June 2000. The long-term decrease in chlorinated volatile organic contaminant concentrations in MW-25 indicates a decrease of approximately 85 percent from the peak levels observed in August/September 1995. As RW-5 was dry throughout most of the latter half of 2000, groundwater recovery did not occur in this immediate area during the period.

Chlorinated hydrocarbon concentrations in the vicinity of the former asphalt plant have shown moderate decreases in concentrations in the shallow aquifer, and have been detected in a new deep well installed since the December 1999 sampling event. Recovery well RW-9 was installed in May 2000 to sample and recover groundwater from the deep aquifer in the source area of the chlorinated plume. No deep well in the source area had been installed prior to this time. The results of the current sampling indicate that three compounds exceed the 2L Standards in the deep aquifer, with exceedences averaging approximately seven times the referenced 2L Standard. CVOC contamination in the deep aquifer has been approximately one-fifth of the concentrations present in the shallow aquifer. Of the four shallow and two deep monitoring wells that previously indicated the presence of vinyl chloride (MW-17, MW-18, MW-13, MW-20D, MW-25 and MW-26), a final degradation product of chlorinated hydrocarbons, three monitoring wells (MW-17, MW-13 and MW-25) showed elevated concentrations of vinyl chloride for the current sampling period. Two of the four recovery wells in this area continue to indicate elevated concentrations of vinyl chloride.

While the concentrations of all chlorinated compounds have consistently decreased across the site, contaminant plume maps for vinyl chloride, 1, 1, 1 - Trichloroethane and 1,1 - Dichloroethane have shown only moderate decreases in areal extent as compared to the June, 2000 maps.

Summaries of the current laboratory analytical results for the shallow and deep aquifers are presented in Tables 2 and Table 3, respectively. Figures 5 and 6 show the benzene and vinyl chloride plume maps, respectively, for the deep and shallow aquifers. Figures 7 and 8 show the

1,1,1-Trichloroethane, and 1,1-Dichloroethene plume maps, respectively, for the shallow aquifer. Table 4 provides the complete historical monitoring well data from 1993 through the current monitoring period. Overall, the site continues to exhibit a steady decrease in contaminant concentrations. A series of groundwater concentration versus time charts have been prepared illustrating the decrease in groundwater concentrations for representative monitoring wells at the site which have historically indicated higher contaminant levels.

3.2 Discussion of Sampling Results, Petroleum Plume

Laboratory analytical results from the December 2000 semi-annual sampling event indicate that levels of petroleum hydrocarbons detected in the groundwater monitoring wells have increased in all but the deepest monitoring well (MW-20D), and two recovery wells (RW-1 and RW-8) since the June 2000 sampling event. Concentrations in monitoring well MW-20D have approached the NCDENR 2L limit for benzene for some time, and are currently at 1.50 ug/l. MW-23 has stagnated in total VOC/BTEX concentrations since 1999. For this reason, a recommendation was made to place Oxygen Release Compound socks (ORC) in this well, in order to assist the natural attenuation/biodegradation process. ORC was placed in this well in mid-fall 2000; however, benzene levels have risen back to previous levels (28 ppb currently).

Petroleum hydrocarbon levels in the vicinity of the former service station have continued to show moderate decreases in concentrations. Of the three monitoring wells that previously indicated the presence of benzene (MW-20D, MW-23 and MW-15I), only MW-20D and MW-23 continue to show concentrations above the 2L Standards. Three of the five petroleum plume recovery wells still contain elevated BTEX concentrations, the exceptions being RW-8 and RW-1 which no longer exhibit any elevated BTEX concentrations above the 2L Standards. RW-2 was taken out of service and RW-8 was brought into service in June, 2000. The recovery pump in RW-4 was reset in May 2000 to a more appropriate level, and since that time RW-4 has indicated a 75 percent reduction in contaminant concentrations from the highs detected in May 2000.

A new pollution pump was installed in RW-3 in June 2000, to replace the previous pump that had failed. Since that time, the well has pumped on average 1,100 - 1,800 gallons of water per day, and has pumped continuously since February 2000. RW-3 currently indicates little reduction in contaminant concentrations since the previous sampling event; however, a relatively high quantity of groundwater recovery continues in this well which has historically shown the highest level of contamination. Current contaminant reductions are on the order of 90 percent of the highs measured in August, 1999. This well still occasionally shows free phase product.

Concentrations of total VOCs in MW-23 have decreased substantially since the June 2000 sampling event with the exception of benzene which has increased for two consecutive events. MW-23 has consistently exhibited the highest concentrations of petroleum-related contaminants of all monitoring wells for some time.

The benzene concentration in MW-20D has leveled off at 1.5 ppb, very close to the 2L limit. RW-1 was operated intermittently during the period June-December 2000. Currently RW-1 indicates no detectable petroleum concentrations; however, one chlorinated constituent is currently above the

2L standards (Trichloroethene at 3.6 parts per billion vs. 2.8 ppb standard). RW-2 also shows benzene concentrations slightly above the 2L standard (1.6 ppb vs. 1.0 ppb standard).

4.0 Remedial System Operation Summary

Operation of the remediation system for the period from June 2000 through December 2000 continued without interruption. Since December 1999 two new recovery wells (RW-8 and RW-9) have been brought into the recovery well network, and one recovery well has been taken out of service (RW-2). A variety of scheduled and non-scheduled maintenance items were conducted on the system during the period, including filter replacements (bi-weekly on average), transfer pump repairs, flow switch replacements, recovery well pump replacement and repair, and replacement and troubleshooting of other remedial system items and components. 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 dropped 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 significant decrease in groundwater contaminant concentrations (primarily benzene) in both RW-1 and MW-20D occurred over the 6-month period from June 1999 to December 1999 (which has been sustained). This indicates that the deeper portions of the aquifer in the central portion of the site have essentially reached the remedial goal of 1 ppb benzene (2L Standard).

With the exception of vinyl chloride concentrations, chlorinated hydrocarbon concentrations have continued to decrease at the site, with the exception of MW-25. Concentrations of vinyl chloride, a degradation by-product of the chlorinated compounds present at the site, were detected in three monitoring wells and three recovery wells during the current monitoring event. These vinyl chloride concentrations were higher in all three monitoring wells as compared with June 2000. This indicates that degradation of the primary contaminants is occurring in the subsurface.

Based on the results of the current semi-annual sampling event, Quantum recommends that operation of the groundwater remediation system continue. Quantum anticipates a continued reduction in contaminant levels as the system operates in the petroleum plume area; however, Quantum anticipates less contaminant reduction in the chlorinated plume in the future. The system currently treats between 150,000 and 300,000 gallons per month. At present, two of the five recovery wells (RW-1, and RW-8) in the petroleum area no longer exhibit concentrations of contaminants in excess of 2L Standards (with one slightly above 2L). Contaminants in one additional well (RW-2) are slightly above the 2L Standard. Two of the four recovery wells in the chlorinated plume currently have no contaminants above the 2L Standard (RW-6 and RW-7). The current groundwater analytical results have been tabulated and included for review in Tables 2 and

3, and the historical results are summarized in Tables 4 and 5. The laboratory analytical report for monitoring wells sampled are included in Appendix A, and the analytical report for the recovery wells is included in Appendix B.

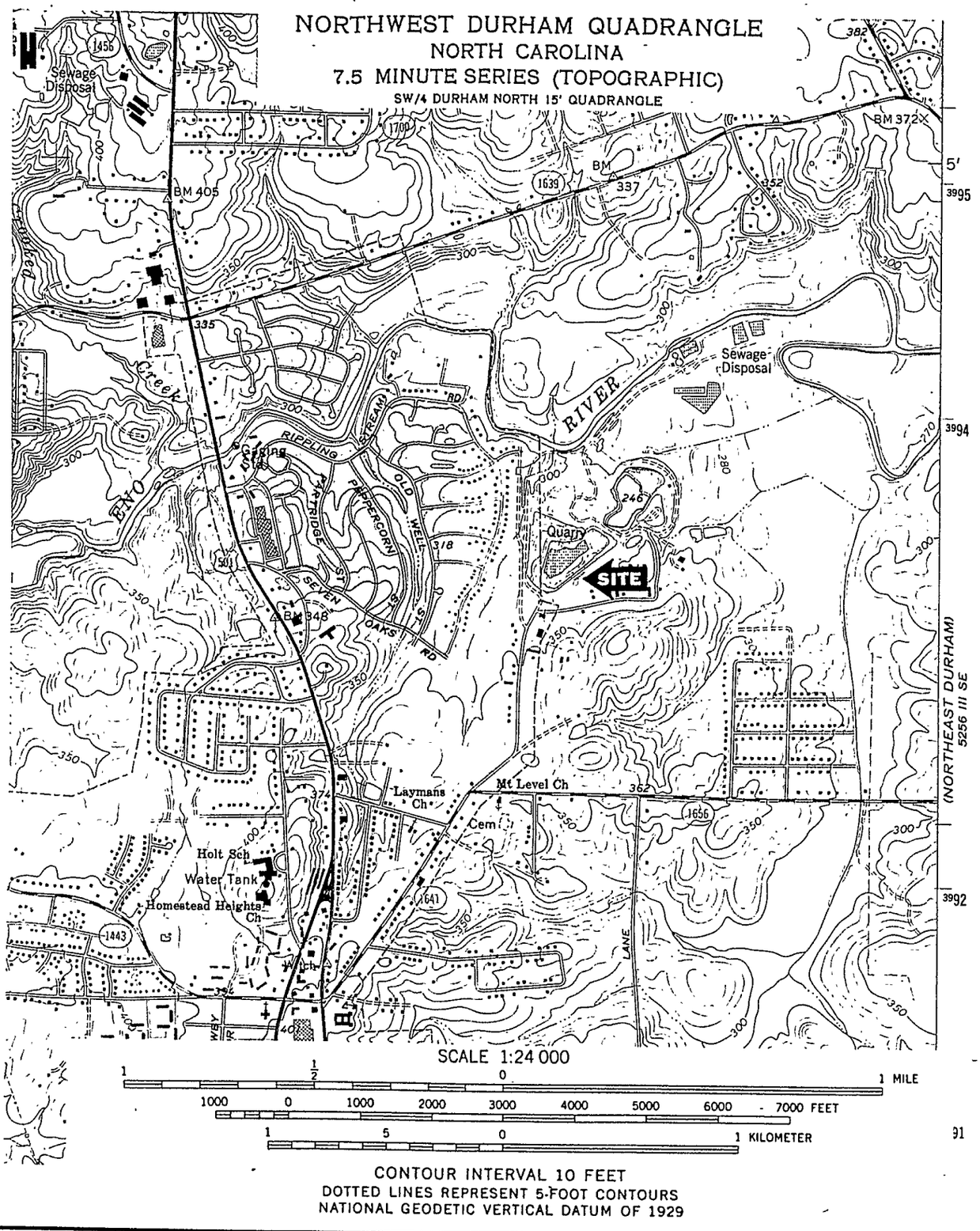
Recovery well RW-5 and the adjacent MW-25 are expected to take considerably longer to reach remedial goals as laboratory analytical results indicate that chlorinated hydrocarbon concentrations seem to be decreasing at a much slower rate in these wells. In addition, groundwater recovery from RW-5 during the latter half of 2000 slowed to a minute level. With RW-6 and RW-7 no longer exhibiting elevated concentrations of CVOCs, the areal extent of the vinyl chloride plume has decreased as compared with previous events (see Figure 6). Nevertheless, it is believed that cleanup of the remaining chlorinated plume will not be completed without some type of enhanced anaerobic degradation. Quantum recommends the use of Hydrogen Release Compound (HRC) in this area to expedite cleanup.

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.

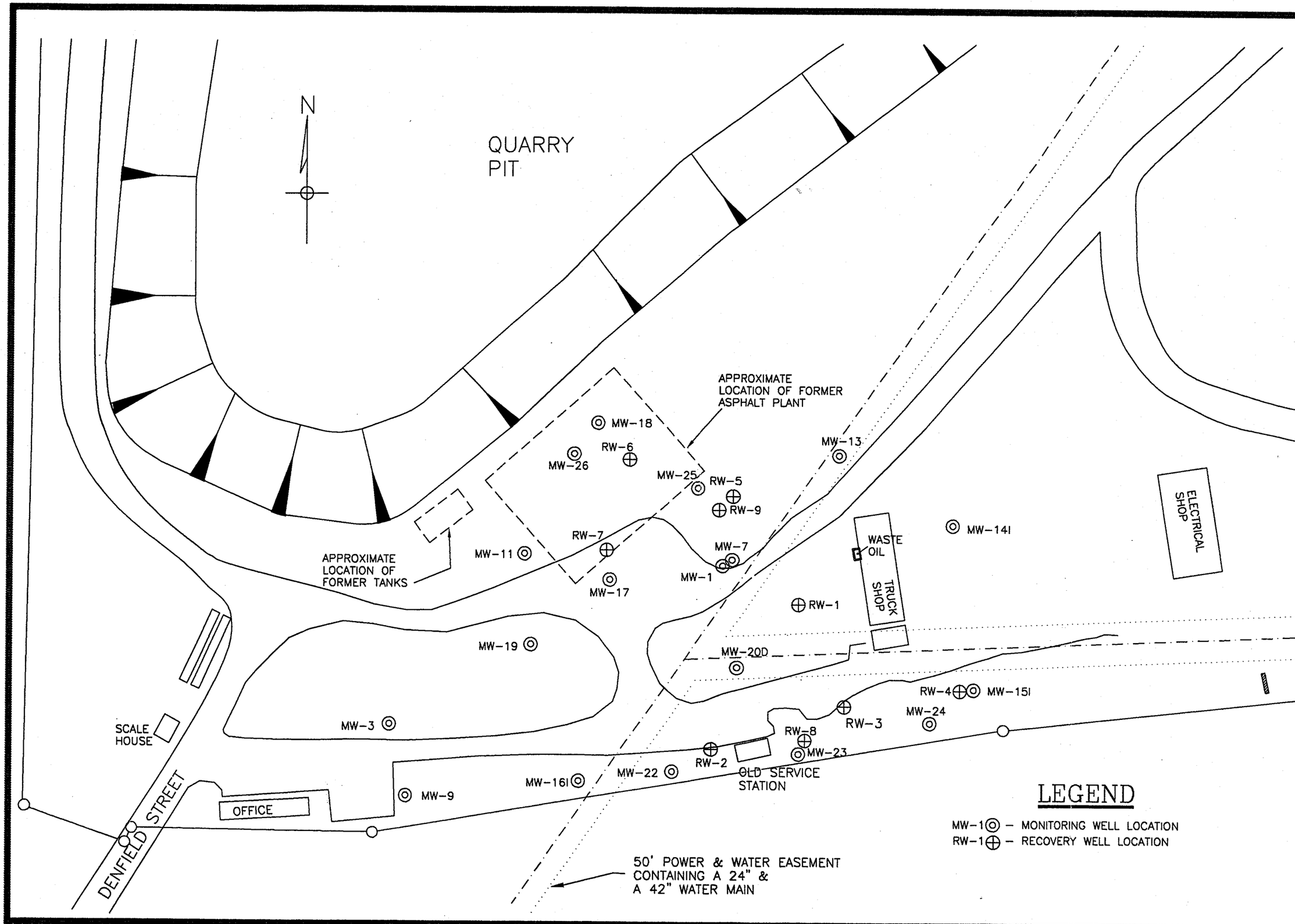
To assist in further reductions in groundwater contaminant concentrations near MW-23, it is recommended that a small scale injection of Oxygen Release Compound (ORC) be conducted to accentuate natural degradation of stubborn remnant concentrations of petroleum compounds (primarily benzene) in the petroleum plume. In addition, it is recommended that Hydrogen Release Compound (HRC) be injected into the area immediately surrounding MW-25 (10-12 injection points) to assist in reducing groundwater concentrations of CVOCs in this worst-case area. Contaminant concentrations in MW-25 are well above target remedial goals and are not expected to reach remedial goals in a reasonable time frame without some enhancement of biodegradation in this area.

Figures

Figures



SITE LOCATION MAP Nello Teer Quarry 5013 Denfield Street Durham, North Carolina	Quantum Environmental, Inc. **2200 Gateway Centre Blvd., Suite 205** **Morrisville, NC 27560** **(919) 469-9795 (919) 469-3557**	**FIGURE: 1** **SCALE: 1" = 2000'** **Proj. No: 0013-94-012**



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

FIGURE 2

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WELL LOCATION MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

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

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DATE	DATE	DATE

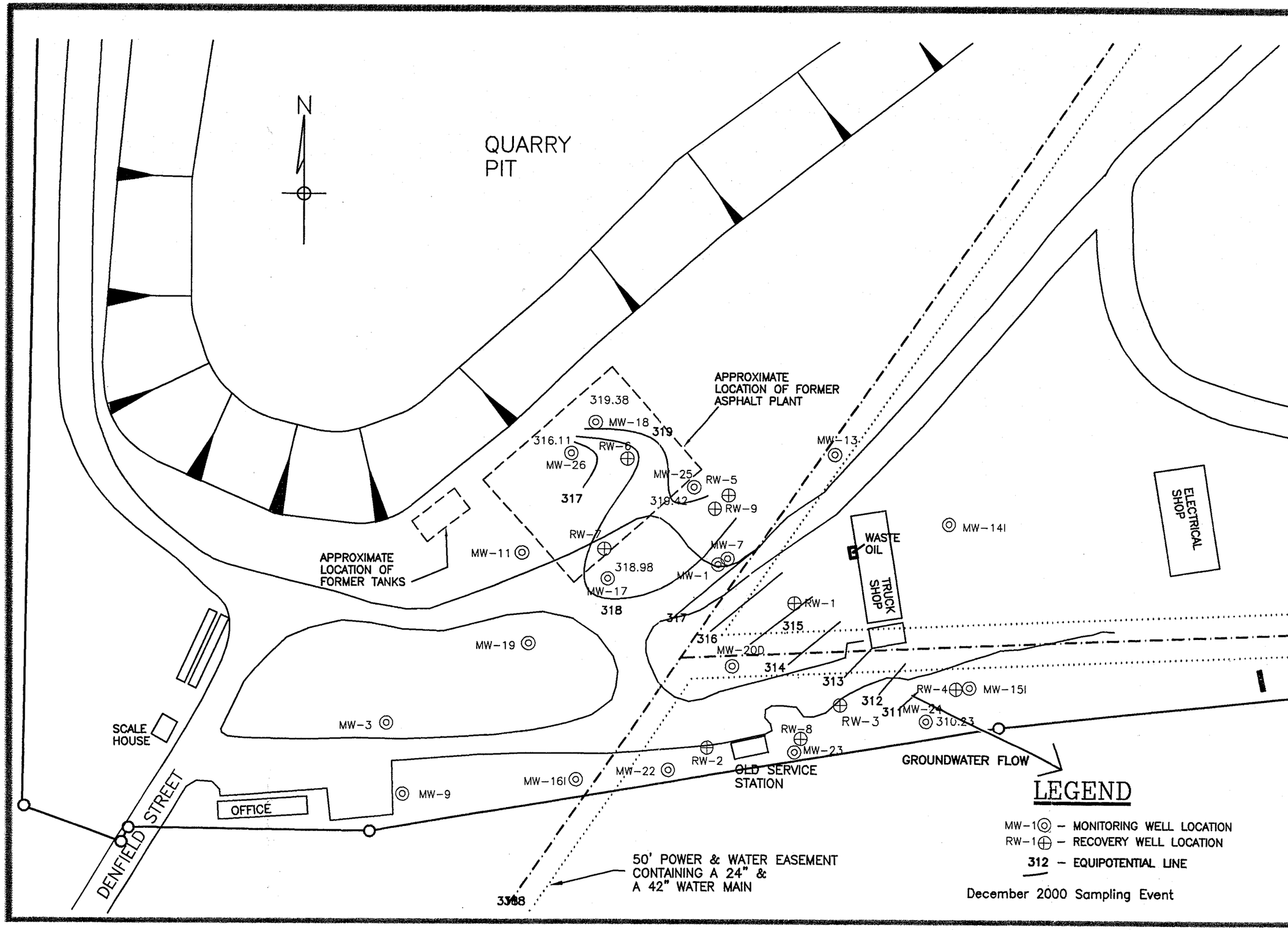

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FIGURE 3

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SHALLOW AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

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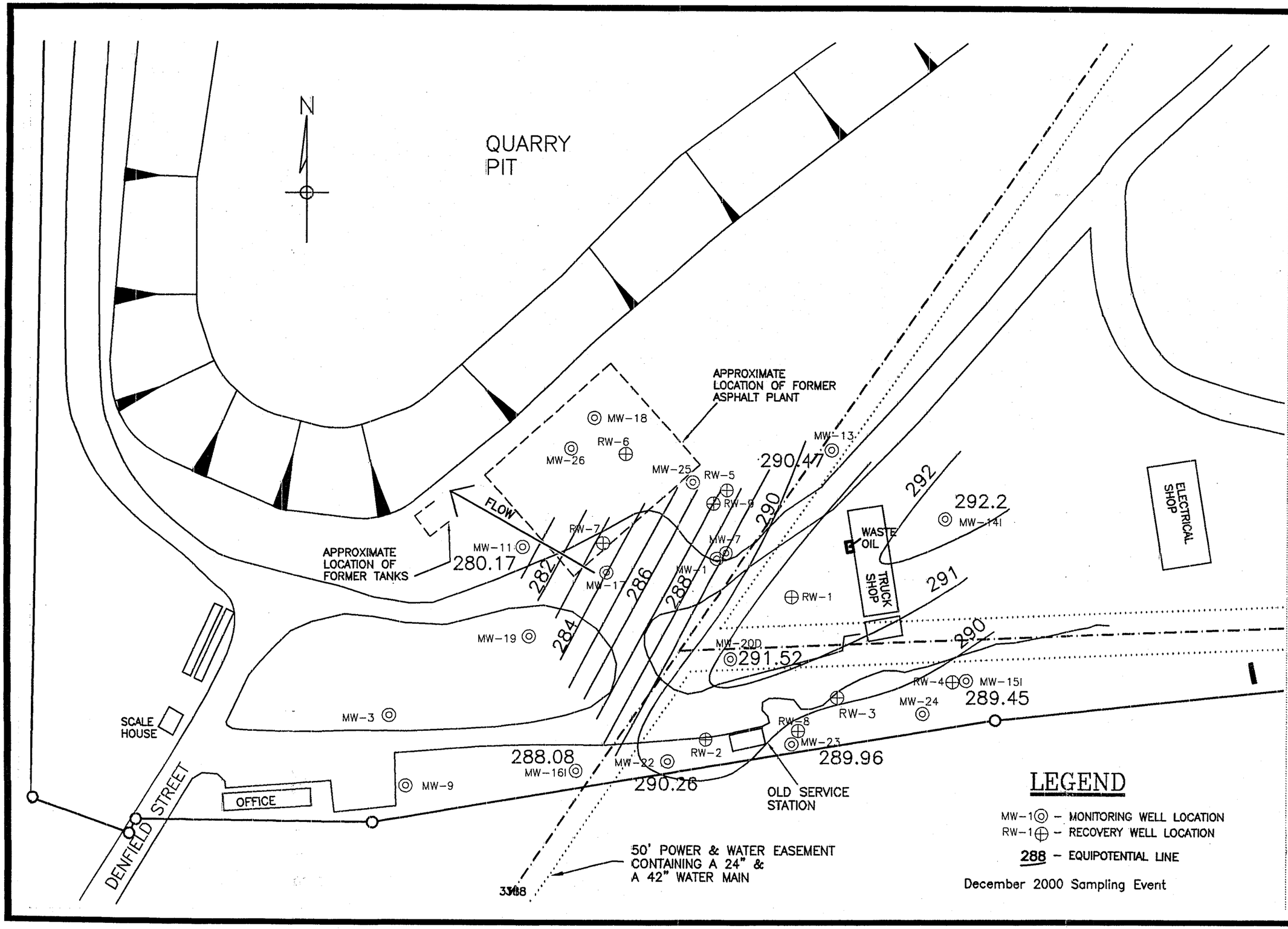

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FIGURE 4

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DEEP AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

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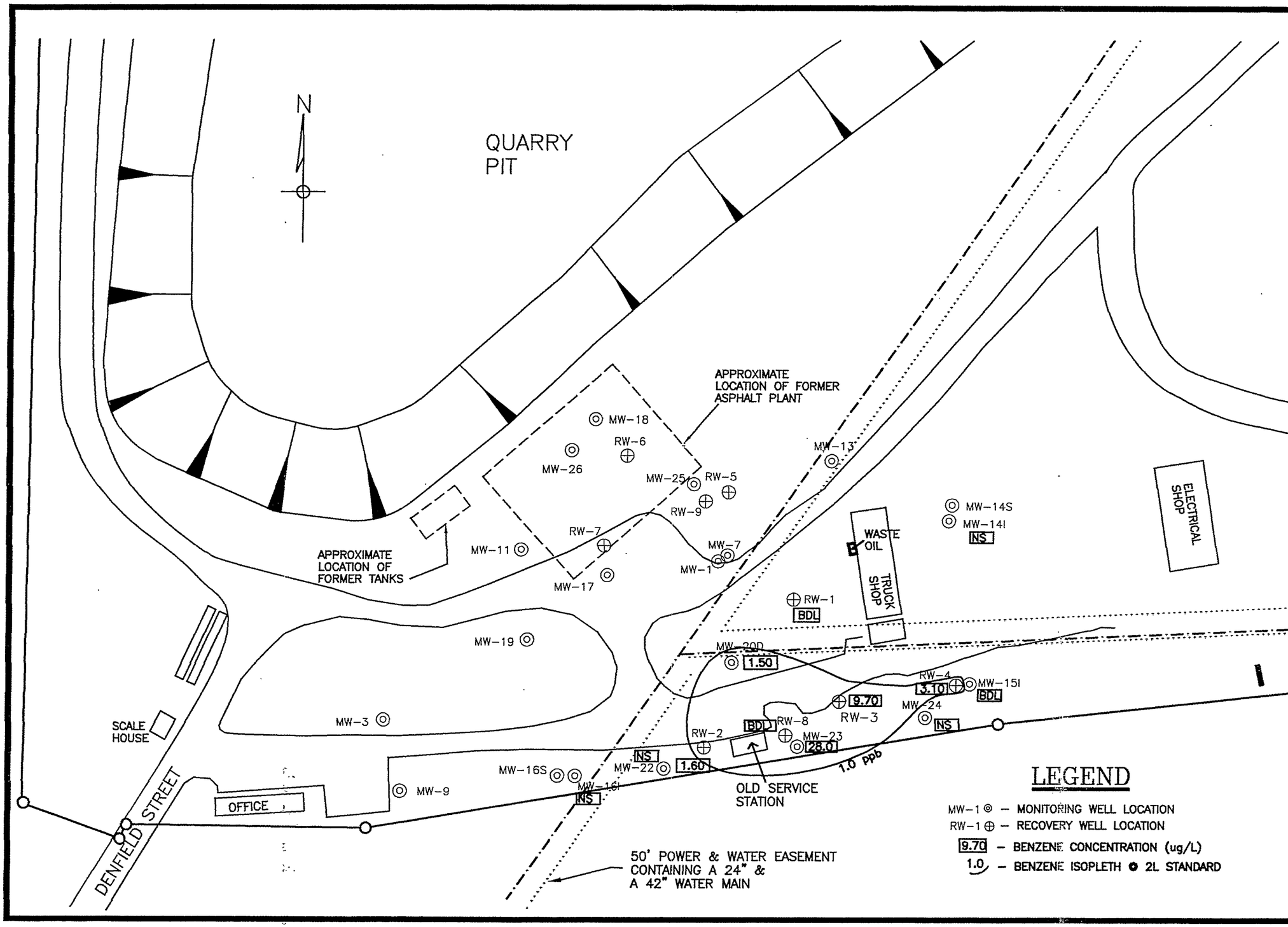

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FIGURE 5

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DEEP AQUIFER
BENZENE PLUME MAP
NELLO L. TEER
DURHAM QUARRY

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Project No.
0013-94-012

SCALE: 1"= 110'

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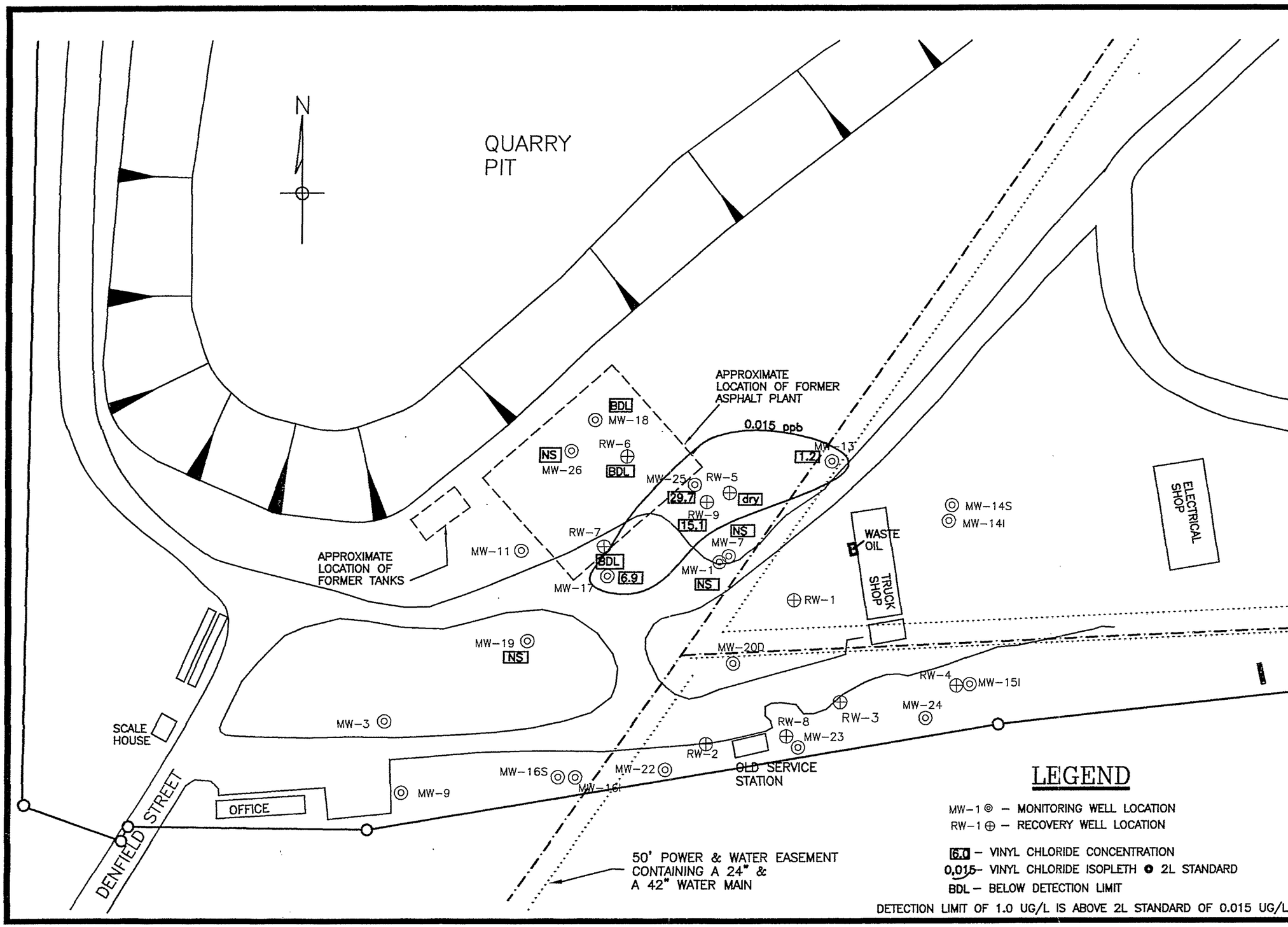

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FIGURE 6

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SHALLOW AQUIFER
VINYL CHLORIDE PLUME
NELLO L. TEER
DURHAM QUARRY

Revisions

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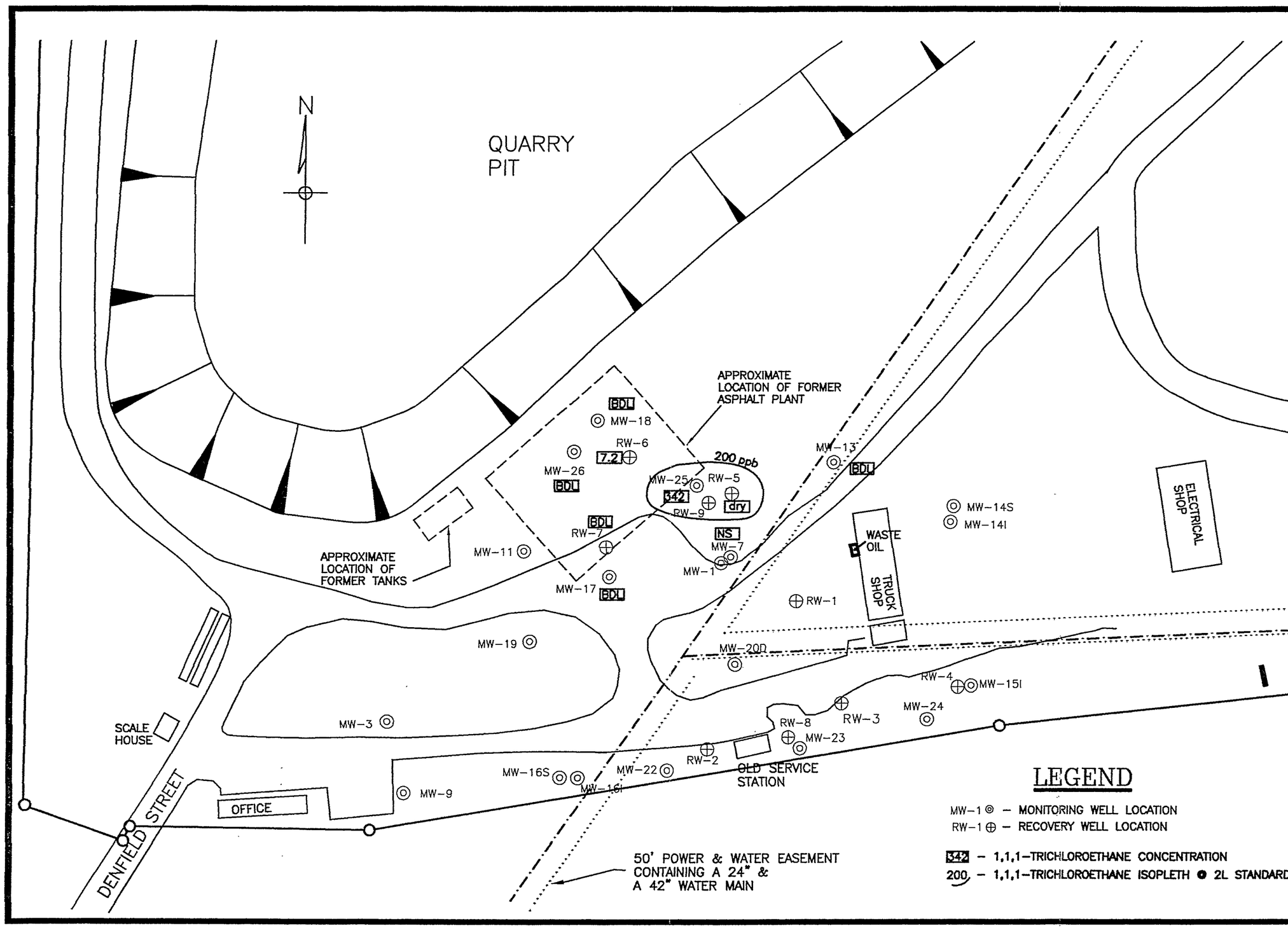

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FIGURE 7

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

Revisions

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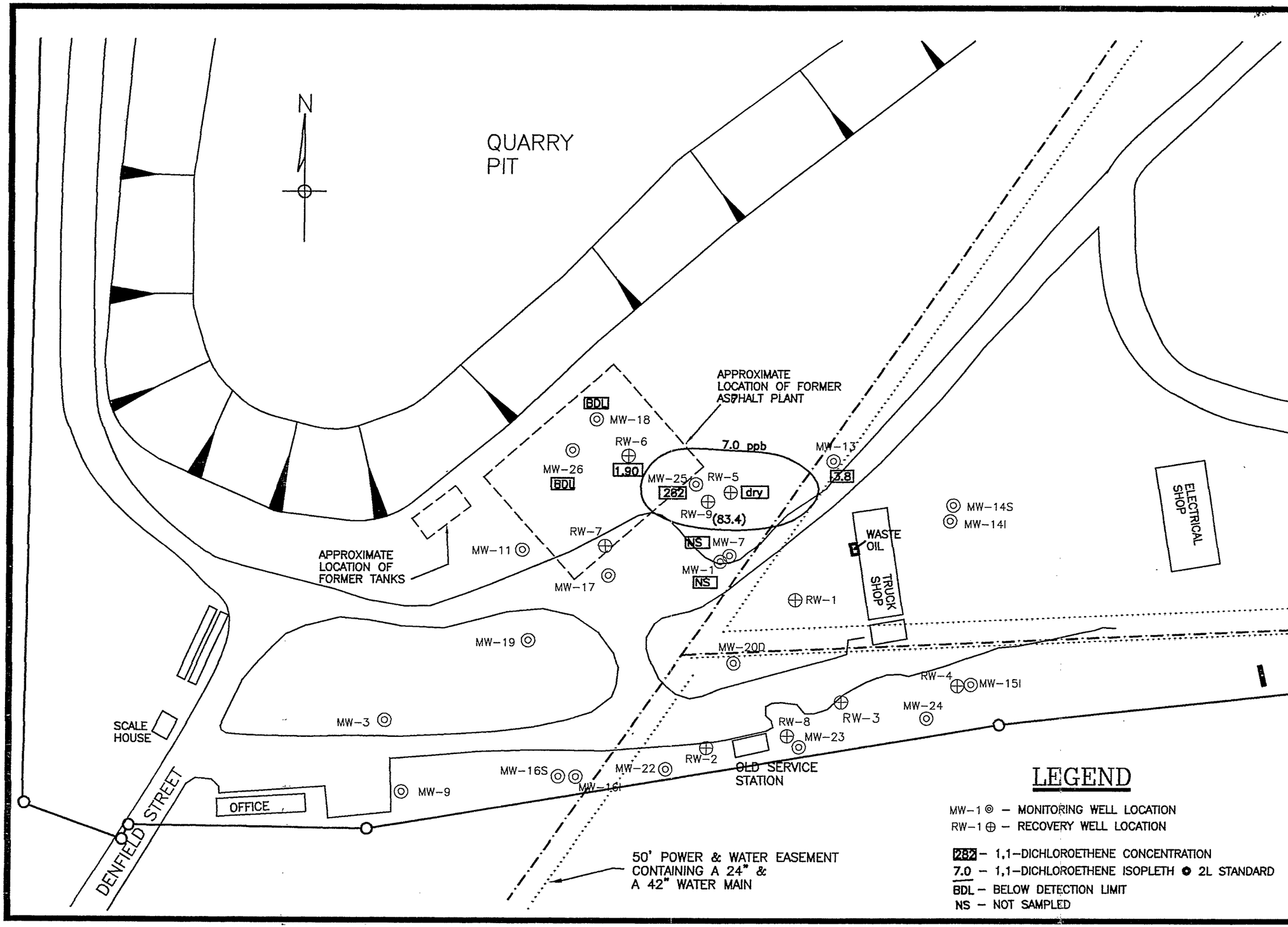

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FIGURE 8

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

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

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DATE	DATE	DATE
4/01		

Tables

Tables

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

Well #	Top of Casing Elevation[a]	Screen Interval[b]	**Depth to Water[c]**	Water Table Elevation[a]	Purge Volume[d] (gallons)
MW-1	329.5	20.0 - 35.0	**27.27**	302.23	5
MW-3	337.32	15.0 - 62.0	**32.25**	305.07	NS
MW-7	329.26	9.0 - 14.0	**dry**	n/a	2
MW-9	333.65	25.0 - 40.0	**35.97**	297.68	NS
MW-11	327.87	35.0 - 50.0	**47.7**	280.17	1
*MW-13	326.48	50.0 - 65.0	**36.01**	290.47	10
MW-14S	well grouted up 6/00		**n/a**		NS
MW-14I	327.13	34.0 - 49.0	**34.93**	292.2	NS
MW-15I	329.53	25.0 - 40.5	**40.08**	289.45	<1
MW-16S	well grouted up 6/00		**n/a**		NS
MW-16I	330.8	46.0 - 61.0	**42.72**	288.08	NS
MW-17	327.59	2.5 - 12.5	**8.61**	318.98	2
MW-18	328.43	3.0 - 10.0	**9.05**	319.38	2
MW-19	331.96[e]	2.0 - 10.0	**6.70**	325.26	NS
MW-20D	329.58	110.0 - 115.0	**38.06**	291.52	31
MW-22	334.19	30.0 - 60.0	**43.93**	290.26	NS
MW-23	331.87	25.0 - 47.0	**41.91**	289.96	3
MW-24	337.56	16.0 -36.0	**27.33**	310.23	NS
MW-25	328.92	4.0 - 14.0	**9.5**	319.42	1.5
MW-26	328.92	3.0 - 13.0	**12.81**	316.11	2

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

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

PARAMETER	MW-17	MW-18	MW-25	MW-26	2L LIMITS
Benzene	BDL	BDL	BDL	NS	1.00
Toluene	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	NS	29.00
Xylenes (Total)	BDL	BDL	BDL	NS	530.00
MTBE	BDL	BDL	BDL	NS	200.00
Naphthalene	BDL	BDL	BDL	NS	21.00
Chloroform	BDL	BDL	BDL	NS	0.19
Chloroethane	BDL	BDL	**4.4**	NS	2800.00
1,1-Dichloroethane	2.10	BDL	156	NS	700
1,2-Dichoroethane	BDL	BDL	**3.0**	NS	0.38
1,1-Dichlorethene	BDL	BDL	**282.0**	NS	7.00
Trichloroethene	BDL	BDL	**90.0**	NS	2.80
1,1,1-Trichloroethane	BDL	BDL	**342.0**	NS	200.00
1,1,2-Trichloroethane	BDL	BDL	**2.1**	NS	1.00
Tetrachloroethene	BDL	BDL	BDL	NS	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	**1.80**	NS	1.00
cis-1,2-Dichloroethylene	BDL	BDL	**84.00**	NS	70.00
Vinyl chloride	**6.90**	BDL	**29.70**	NS	0.015

All Values in ug/L.
***BOLD** - Indicates Concentration Above State Standard* *NS - Not Sampled (dry well)*
BDL - Below Detection Limit *J - Estimated Value*

Quantum Project No. 0013-94-012

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

PARAMETER	RW-5	RW-6	RW-7	2L LIMITS
Benzene	NS	BDL	BDL	1.00
Toluene	NS	BDL	BDL	1000.00
Ethylbenzene	NS	BDL	BDL	29.00
Xylenes (Total)	NS	BDL	BDL	530.00
MTBE	NS	BDL	BDL	200.00
Naphthalene	NS	BDL	BDL	21.00
Chloroform	NS	BDL	BDL	0.19
1,1-Dichloroethane	NS	5.00	BDL	700
1,2-Dichoroethane	NS	BDL	BDL	0.38
1,1-Dichlorethene	NS	1.90	BDL	7.00
Trichloroethene	NS	1.80	BDL	2.80
1,1,1-Trichloroethane	NS	7.20	BDL	200.00
1,1,2-Trichloroethane	NS	BDL	BDL	1.00
Tetrachloroethene	NS	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	NS	BDL	BDL	1.00
cis-1,2-Dichloroethylene	NS	BDL	BDL	70.00
Vinyl chloride	NS	BDL	BDL	0.015
Chloroethane	NS	BDL	BDL	2800.00

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

Quantum Project No. 0013-94-012

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

PARAMETER	MW-13	MW-15I	MW-20D	MW-23	2L LIMITS
Benzene	BDL	BDL	**1.50**	**28.00**	1.00
Toluene	BDL	BDL	BDL	1.80	1000.00
Ethylbenzene	BDL	BDL	BDL	16.70	29.00
Xylenes (Total)	BDL	BDL	BDL	6.60	530.00
MTBE	BDL	7.0	BDL	3.00	200.00
Naphthalene	BDL	BDL	BDL	14.00	21.00
Chloroform	BDL	BDL	BDL	BDL	0.19
1,1-Dichloroethane	5.20	BDL	BDL	BDL	700
1,2-Dichoroethane	BDL	BDL	BDL	**1.00**	0.38
1,1-Dichlorethene	3.80	BDL	BDL	BDL	7.00
Trichloroethene	1.3	BDL	BDL	BDL	2.80
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	1.00
cis-1,2-Dichloroethylene	2.10	BDL	BDL	BDL	70.00
Vinyl chloride	**1.20**	BDL	BDL	BDL	0.015

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

Quantum Project No. 0013-94-012

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

PARAMETER	RW-1	RW-2	RW-3	RW-4	RW-8	RW-9	2L LIMITS
Benzene	BDL	**1.60**	**9.70**	**3.10**	BDL	BDL	1.00
Toluene	BDL	BDL	2.90	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	2.40	1.80	BDL	BDL	BDL	29.00
Xylenes (Total)	BDL	1.10	13.20	BDL	BDL	BDL	530.00
MTBE	BDL	BDL	BDL	2.20	2.50	BDL	200.00
Naphthalene	BDL	BDL	7.00	BDL	BDL	BDL	21.00
Fluorene	NA	NA	14.0	BDL	BDL	BDL	280.00
Phenanthrene	NA	NA	24.0	BDL	BDL	BDL	210.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	0.19
1,1-Dichloroethane	12.50	BDL	BDL	BDL	BDL	84.20	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,1-Dichlorethene	5.40	BDL	BDL	BDL	BDL	**83.40**	7.00
Trichloroethene	**3.60**	BDL	BDL	BDL	BDL	**17.50**	2.80
1,1,1-Trichloroethane	2.80	BDL	BDL	BDL	BDL	37.60	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.70
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.00
cis-1,2-Dichloroethylene	3.30	2.60	BDL	3.10	BDL	28.00	70.00
Vinyl chloride	BDL	BDL	BDL	**1.20**	BDL	**15.10**	0.015
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	2800.00

All Values in *ug*/L.
BOLD *- Indicates Concentration Above State Standard*
BDL - Below Detection Limit

Quantum Project No. 0013-94-012

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

MW-1

Constituent	Date												2L Standard
	5/20/1993 (1)	8/29/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/99	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	
Benzene	**575.00**	**353.00**	**95.00**	**6.80**	BDL	**1.60**	1.00
Toluene	**1,160.00**	418.00	19.00	BDL	1.70	BDL	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	2.40	29.00
Xylenes	**1,425.00**	106.00	61.00	BDL	13.00	1.10	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	70.00
IPE	NA	BDL	NA	BDL	BDL	BDL	0.07
Total VOCs	2,200.40	877.00	239.78	6.80	15.70	5.10	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	NA	**90.00**	BDL	6.50	2.60	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	2.60	
Lead	<0.05	0.20	NA	NA	NA	NS	15.00

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

MW-3

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

MW-4

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

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

MW-5

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

MW-6

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

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

MW-7

Constituent	Date											2L Standard
	5/21/1993 (1)	8/29/1994 (2)	1/26/1995 (2)	8/29/95 (2)	4/27/1995(2)	3/14/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	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 2000
Nello Teer Quarry Site

MW-9

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

MW-11

Constituent	Date											2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/13/96 (2)	10/9/96 (2)	12/3/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/99	
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 2000
Nello Teer Quarry Site

MW-12

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

MW-13

Constituent	Date													2L Standar
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995(2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/3/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	12/7/2000 (4)	
Benzene	BDL	**3.10**	BDL	BDL	**1.13**	**3.40**	BDL	**1.00**	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	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	530.00
Naphthalene	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	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	NA	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	
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	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	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	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	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	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	**1.40**	BDL	BDL	**1.20**	BDL	BDL	BDL	**1.20**	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	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

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

MW-14S

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

MW-14I

Constituent	Date											2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	3/15/96 (2)	10/9/96 (2)	12/3/1997 (3)	5/13/98 (3)	6/17/99 (4)	Dec-99	Dec-00	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NS	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NS	70.00
IPE	BDL	NA	NA	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		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	700.00
Trichloroethene	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	NS	70.00
Vinyl Chloride	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		
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	15.00

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

MW-15S

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

MW-15I

Constituent	Date													2L Standar
	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)	12/7/2000 (4)	
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	7.00	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	7.00	
1,1-Dichloroethane	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	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

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

MW-16S

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

MW-16I

Constituent	Date										2L Standard	
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	3/14/96 (2)	10/9/96 (2)	12/1/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/99		
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 2000
Nello Teer Quarry Site

MW-17

Constituent	Date													2L Standar
	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	12/7/00	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	2.1	700.00
Trichloroethene	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	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**	**6.90**	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	9.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-18

Constituent	Date													2L Standar
	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	12/7/00	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	0.07
Total VOCs	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	BDL	BDL	700.00
1,2-Dichloroethane	BDL	BDL	**27.00**	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	7.00
Trichloroethene	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	BDL	70.00
Vinyl Chloride	**10.90**	BDL	**50.00**	BDL	**58.90**	**16.30**	**10.90**	**8.10**	**2.30**	BDL	**3.80**	BDL	BDL	0.02
Chloroethane	BDL	BDL	**50.00**	BDL	**59.00**	**9.50**	BDL	**1.30**	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	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

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

MW-19

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

MW-20S

Constituent	Date						2L Standard	
	9/9/1993 (1)	8/30/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)		
Benzene	**15.00**	**64.40**	**44.00**	**71.80**	**64.40**	**64.90**	1.00	
Toluene	1.80	9.50	6.20	BDL	26.00	2.40	1000.00	
Ethylbenzene	BDL	16.38	7.00	14.60	25.30	5.90	29.00	Well no longer
Xylenes	BDL	21.00	16.70	20.60	80.70	17.00	530.00	exists
Naphthalene	BDL	3.84	3.29	4.90	BDL	4.50	21.00	
MTBE	7.30	BDL	BDL	BDL	9.69	BDL	200.00	
EDB	BDL	NA	NA	NA	BDL	NA	70.00	
IPE	14.20	NA	NA	NA	**50.00**	NA	0.07	
Total VOCs	38.30	115.12	77.19	111.90	256.09	94.70		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00	
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	70.00	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.02	
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00		
Lead	<0.05	NA	NA	NA	NA	NA	15.00	

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

MW-20D

Constituent	Date													2L Standar
	9/9/1993 (1)	8/31/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/15/96 (2)	10/11/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	12/7/2000 (4)	
Benzene	**15.00**	**30.00**	**22.00**	**29.80**	**30.30**	**20.00**	**21.60**	**16.00**	**13.00**	**12.30**	**1.80**	**2.10**	**1.50**	1.00
Toluene	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	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	6.20	NA	NA	NA	BDL	NA	NA	5.70	4.30	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	14.20	NA	NA	NA	**26.60**	NA	NA	NA	NA	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	2.10	1.50	
1,1-Dichloroethane	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	2.80
cis-,1,2-Dichloroethylene	BDL	8.00	BDL	5.20	5.47	4.00	BDL	BDL	BDL	1.10	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	**4.30**	BDL	**1.70**	**3.20**	**3.00**	BDL	BDL	BDL	0.02
Total CVOCs	0.00	8.00	0.00	5.20	5.47	8.30	0.00	1.70	3.20	4.10	0.00	0.00	0.00	
Lead	<0.05	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 2000
Nello Teer Quarry Site

MW-22

Constituent	Date												2L Standard	
	4/28/1994 (1)	8/30/1994 (2)	1/25/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/99	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 Standar
	4/28/1994 (1)	8/30/1994 (2)	1/26/1995 (2)	4/27/1995 (2)	8/30/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/7/2000 (4)	12/7/2000 (4)	
Benzene	**21.00**	**68.40**	**36.00**	**67.90**	**58.90**	**56.40**	**69.70**	**42.00**	**23.00**	**37.10**	**14.3**	**24.1**	**28**	1.00
Toluene	BDL	13.00	BDL	14.50	18.60	9.90	4.52	BDL	6.70	7.50	1.9	4.2	1.8	1000.00
Ethylbenzene	BDL	**46.50**	14.00	**40.40**	**30.70**	14.90	11.30	BDL	9.60	19.10	2.3	21.6	16.7	29.00
Xylenes	BDL	100.00	40.00	95.30	77.30	24.70	35.50	41.00	40.00	39.60	18	26.8	6.6	530.00
Naphthalene	BDL	**33.70**	**42.50**	**42.90**	19.10	**32.00**	11.70	BDL	9.10	12.00	BDL	14.00	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	5.40	BDL	8.8	BDL	3.00	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	15.00	NA	NA	NA	BDL	NA	NA	NA	NA	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	90.70	47.10	
1,1-Dichloroethane	NA	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	BDL	**1.00**	0.38
Trichloroethene	NA	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	70.00
Vinyl Chloride	NA	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	0.00	1.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

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

MW-24

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

MW-25

Constituent	Date												2L Standard
	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	6/8/2000 (4)	12/7/2000 (4)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	336.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	2.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	70.00
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	2.20	336.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	840.00	690.00	632.00	1,100.00	262.00	259.00	350.00	240.00	282.00	185.00	110.00	156.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.60	BDL	7.50	BDL	1.30	2.00	BDL	3.00	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	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	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	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.70	6.60	BDL	BDL	2.20	BDL	2.10	1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.20	BDL	BDL	BDL	BDL	BDL	2100.00
Tetracholorethene	BDL	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	2.50	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	70.00
Vinyl Chloride	BDL	BDL	BDL	126.00	85.60	48.90	BDL	30.00	BDL	33.20	13.20	29.70	0.02
Chloroethane	BDL	BDL	BDL	BDL	BDL	8.74	4.30	BDL	BDL	8.20	BDL	4.40	2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	192.00	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	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	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

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

MW-26 Dry well, no sample collected 12/7/2000

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)	
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	**42.50**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NS	200.00
EDB	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	70.00
IPE	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	0.07
Total VOCs	0.00	42.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	BDL	100.00	109.00	85.40	BDL	54.30	13.00	5.60	3.60	2.40	BDL	NS	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	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	4.90	5.83	8.30	BDL	BDL	BDL	5.80	5.80	BDL	NS	70.00
Vinyl Chloride	**29.50**	BDL	BDL	**44.80**	**56.60**	**20.10**	**12.00**	**6.90**	**7.00**	**6.00**	BDL	NS	0.02
Total CVOCs	29.50	100.00	122.00	146.73	78.50	81.57	30.20	16.10	20.60	19.30	0.00		
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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.

data/123files/13/139412/1200teer.xls

Table 5: Nello Teer Recovery Well Sampling Results

RW-1

Constituent	Date					2L Standard
	8/29/1999	2/25/2000	6/14/2000	9/08/2000	12/07/2000	
Benzene	**6.80**	BDL	**1.20**	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	1.10	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	1.80	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	2.30	1.80	0.00	
1,1-Dichloroethane	BDL	7.40	BDL	2.90	12.50	700.00
1,1 Dichloroethene	BDL	BDL	1.50	1.60	5.40	7.00
1,2 Dichloroethane	BDL	BDL	**3.00**	BDL	BDL	0.38
Trichloroethene	BDL	2.20	BDL	**3.20**	**3.60**	2.80
1,1,1 Trichloroethane	BDL	3.40	BDL	1.00	2.80	200.00
cis-,1,2-Dichloroethylene	BDL	2.20	1.80	3.10	3.30	70.00
Chloroethane	BDL	BDL	**2.90**	BDL	BDL	MDL
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	15.20	9.20	11.80	27.60	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	NA	210.00
Lead	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	
Benzene	**575.00**	**353.00**	**95.00**	BDL	BDL	**1.60**	1.00
Toluene	**1160.00**	418.00	19.00	BDL	1.70	BDL	1000.00
Ethylbenzene	**84.40**	BDL	**62.00**	BDL	1.00	2.40	29.00
Xylenes	**1425.00**	106.00	61.00	BDL	13.00	1.10	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	70.00
IPE	NA	BDL	NA	BDL	BDL	BDL	0.07
Total VOCs	3244.40	877.00	239.80	0.00	15.70	5.10	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	NA	NA	NA	BDL	BDL	BDL	7.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	NA	NA	NA	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethene	NA	NA	**90.00**	BDL	6.50	2.60	70.00
Chloroethane	NA	NA	NA	BDL	BDL	BDL	MDL
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	90.00	0.00	6.50	3.80	
1-Methylnaphthalene	NA	NA	NA	BDL	BDL	BDL	MDL
Phenanthrene	NA	NA	NA	BDL	BDL	BDL	210.00
Lead	<0.05	0.20	NA	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-3

Constituent	Date				2L Standard
	8/29/1999	2/25/2000	6/14/2000	12/7/2000	
Benzene	**25.50**	BDL	**7.60**	**9.70**	1.00
Toluene	21.50	BDL	3.60	2.90	1000.00
Ethylbenzene	22.50	BDL	3.30	1.80	29.00
Xylenes	270.00	BDL	16.40	13.20	530.00
Naphthalene	11.00	BDL	8.00	7.00	21.00
MTBE	11.50	BDL	BDL	BDL	200.00
EDB	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	0.07
Total VOCs	362.00	0.00	38.90	34.60	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.60	BDL	7.00
Trichloroethene	BDL	BDL	1.00	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	2.70	BDL	70.00
Chloroethane	BDL	BDL	BDL	BDL	MDL
Vinyl Chloride	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	5.30	0.00	
1-Methylnaphthalene	**44.00**	NA	NA	BDL	5.00
2-Methylnaphthalene	**38.00**	NA	NA	BDL	28.00
Phenanthrene	12.00	NA	NA	24.00	210.00
Lead	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	
Benzene	BDL	BDL	**5.00**	**1.80**	**3.10**	1.00
Toluene	BDL	BDL	3.00	3.00	BDL	1000.00
Ethylbenzene	BDL	BDL	4.00	4.00	BDL	29.00
Xylenes	BDL	BDL	2.00	2.00	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	5.00	NA	2.20	200.00
EDB	BDL	BDL	NA	BDL	BDL	70.00
IPE	BDL	BDL	NA	NA	NA	0.07
Total VOCs	0.00	0.00	19.00	10.80	5.30	
1,1-Dichloroethane	BDL	BDL	NA	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	NA	1.70	BDL	7.00
Trichloroethene	BDL	BDL	NA	NA	NA	2.80
1,1,1 Trichloroethane	BDL	BDL	NA	NA	NA	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	NA	2.80	3.10	70.00
Chloroethane	BDL	BDL	NA	NA	NA	MDL
Vinyl Chloride	BDL	BDL	NA	**2.00**	**1.20**	0.02
Total CVOCs	0.00	0.00	NA	6.50	4.30	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	MDL
Phenanthrene	BDL	NA	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-5

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

Table 5: Nello Teer Recovery Well Sampling Results

RW-6

Constituent	Date				2L Standard
	10/4/1999	12/17/1999	6/14/2000	12/7/2000	
Benzene	BDL	**2.20**	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	2.10	BDL	BDL	200.00
EDB	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	4.30	0.00	0.00	
Fluorene	BDL	5.00	BDL	NA	280.00
Phenanthrene	BDL	4.00	BDL	NA	210.00
1,1-Dichloroethane	14.70	7.80	5.80	5.00	700.00
1,1 Dichloroethene	**26.80**	4.90	**8.60**	1.90	7.00
Trichloroethene	**10.90**	**3.20**	BDL	1.80	2.80
1,1,1 Trichloroethane	53.20	4.00	15.50	7.20	200.00
cis-,1,2-Dichloroethene	6.80	6.80	BDL	BDL	70.00
Chloroethane	BDL	BDL	**5.20**	BDL	MDL
Vinyl Chloride	**3.10**	BDL	**1.90**	BDL	0.02
Total CVOCs	115.50	26.70	37.00	15.90	
Phenanthrene	BDL	BDL	BDL	BDL	210.00
Lead	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	
Benzene	BDL	BDL	BDL	**9.50**	BDL	1.00
Toluene	BDL	BDL	BDL	4.00	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	1.40	BDL	29.00
Xylenes	BDL	BDL	BDL	10.60	BDL	530.00
Naphthalene	BDL	BDL	**144.00**	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	2.80	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	224.00	28.30	0.00	
1,1-Dichloroethane	10.00	1.70	BDL	2.40	BDL	700.00
1,1 Dichloroethene	1.60	1.90	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	2.60	BDL	200.00
cis-,1,2-Dichloroethylene	3.80	1.90	BDL	2.20	BDL	70.00
Chloroethane	BDL	BDL	BDL	**1.60**	BDL	MDL
Vinyl Chloride	**6.00**	**3.90**	BDL	BDL	BDL	0.02
Total CVOCs	21.40	9.40	0.00	8.80	0.00	
Lead	NA	NA	BDL	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

RW-8

Constituent	Date		2L Standard
	6/14/2000	12/7/2000	
Benzene	**10.10**	BDL	1.00
Toluene	1.20	BDL	1000.00
Ethylbenzene	3.10	BDL	29.00
Xylenes	4.90	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	2.50	200.00
EDB	BDL	BDL	70.00
IPE	BDL	BDL	0.07
Total VOCs	19.30	2.50	
Fluorene	BDL	BDL	280.00
Phenanthrene	BDL	BDL	210.00
1,1-Dichloroethane	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	7.00
Trichloroethene	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	200.00
cis-,1,2-Dichloroethene	BDL	BDL	70.00
Chloroethane	BDL	BDL	MDL
Vinyl Chloride	BDL	BDL	0.02
Total CVOCs	0.00	0.00	
Phenanthrene	BDL	BDL	210.00
Lead	NA	NA	15.00

RW-9

Constituent	Date				2L Standard
	5/19/00	6/14/00	9/8/00	12/7/00	
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	BDL	200.00
EDB	BDL	BDL	BDL	BDL	70.00
IPE	BDL	BDL	BDL	BDL	0.07
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	84.50	75.60	33.00	84.20	700.00
1,1 Dichloroethene	**75.10**	**64.20**	**38.50**	**83.40**	7.00
Trichloroethene	**16.00**	**15.00**	**4.60**	**17.50**	2.80
1,1,1 Trichloroethane	50.60	40.20	16.30	37.60	200.00
cis-,1,2-Dichloroethylene	26.80	23.70	11.00	28.00	70.00
Chloroethane	BDL	BDL	BDL	BDL	MDL
Vinyl Chloride	**8.50**	**9.30**	**1.30**	**15.10**	0.02
Total CVOCs	261.50	228.00	104.70	265.80	
Lead	NA	NA	NA	NA	15.00

Table 5: Nello Teer Recovery Well Sampling Results

All results in *u*g/L.
NA = Not Analyzed
BDL = Below Detection Limit
MDL = Method Detection Limit
Bold indicates exceedence of NCAC 2L Groundwater Standards
All samples analyzed by TestAmerica for ELS
NS = Well not sampled

123 files/13/139412/9412rwax.xls

Appendix A

Appendix A
Laboratory Analytical Report
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 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER: 0013-94-01

PROJECT #: 995747
RECEIVED: 12/09/00

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180546 CLIENT SAMPLE ID: MW-23				**DATE SAMPLED: 12/06/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/16/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/00	EPA 601-602	387 (NC)
SAMPLE #: 180547 CLIENT SAMPLE ID: MW-15 I				**DATE SAMPLED: 12/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/00	EPA 601-602	387 (NC)
SAMPLE #: 180548 CLIENT SAMPLE ID: MW-20 D				**DATE SAMPLED: 12/07/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/00	EPA 601-602	387 (NC)
SAMPLE #: 180549 CLIENT SAMPLE ID: MW-13				**DATE SAMPLED: 12/07/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)
SAMPLE #: 180550 CLIENT SAMPLE ID: MW-25				**DATE SAMPLED: 12/07/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)
SAMPLE #: 180551 CLIENT SAMPLE ID: MW-17				**DATE SAMPLED: 12/07/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)
SAMPLE #: 180552 CLIENT SAMPLE ID: MW-18				**DATE SAMPLED: 12/07/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)

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

P.O. #
CLIENT JOB NUMBER: 0013-94-01

PROJECT #: 995747
RECEIVED: 12/09/00

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180555 CLIENT SAMPLE ID: RW-3				**DATE SAMPLED: 12/06/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/16/00	EPA 618	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/16/00	EPA 601-602	387 (NC)
SAMPLE #: 180556 CLIENT SAMPLE ID: RW-4				**DATE SAMPLED: 12/06/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/00	EPA 601-602	387 (NC)
SAMPLE #: 180558 CLIENT SAMPLE ID: RW-6				**DATE SAMPLED: 12/06/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)
SAMPLE #: 180559 CLIENT SAMPLE ID: RW-7				**DATE SAMPLED: 12/06/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/00	EPA 601-602	387 (NC)
SAMPLE #: 180560 CLIENT SAMPLE ID: RW-8				**DATE SAMPLED: 12/07/00**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/16/00	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/16/00	EPA 601-602	387 (NC)
SAMPLE #: 180561 CLIENT SAMPLE ID: RW-9				**DATE SAMPLED: 12/06/00**	
VOL. HALOCARBONS - EPA 601	SEE ATTACHED		12/20/00	EPA 601	387 (NC)

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

PROJECT #: 995747
RECEIVED: 12/09/00

P.O. #
CLIENT JOB NUMBER: 0013-94-01

Douglas W. Mendrala
Laboratory Director

12/29/00
Date

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

TestAmerica
INCORPORATED

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 CROSS

Lab Number: 00-A177097
Sample ID: MW-23
Sample Type: Water
Site ID:

Date Collected: 12/ 6/00
Time Collected: 15:45
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Acenaphthene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Anthracene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Fluorene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Pyrene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Benzo(a)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Benzo(a)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Benzo(b)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Benzo(k)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Chrysene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Dibenzo(a,h)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Acenaphthylene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Benzo(g,h,i)perylene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
1-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
2-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
Phenanthrene	ND	ug/l	5.00	5.00	1	12/16/00	3:17	J.Gott	610	4937
VOLATILE ORGANICS by GC										
Benzene	28.0	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602/601	43
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602/601	43
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602/601	43
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602/601	43
Ethylbenzene	16.7	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177097
Sample ID: MW-23

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Toluene	1.8	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43
m,p-Xylenes	6.6	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,2-Dichloroethane	1.0	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	20:26	CHollingsw	601	43
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	601	43
MTBE	3.0	ug/l	1.0	1.0	1	12/20/00	20:26	CHollingsw	602	43

Volatile LCS high outside QC limits for several compounds.
These compounds were not identified in the sample, therefore
the data is not effected.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177097
Sample ID: MW-23

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Method

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH's	1000 ml	1.00 ml	12/12/00		D.Yeager	3510/610

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	50. - 150.
Hall Surr., 2-chloropropane	84.	49. - 125.
Hall Surr., chloroprene	76.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	91.	25. - 157.
PAH Surrogate	66.	23. - 83.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177097
Sample ID: MW-23

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These results relate only to the items tested.
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Report Approved By: Gail A Lage

Report Date: 12/21/00

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica INCORPORATED

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 CROSS

Lab Number: 00-A177092
Sample ID: MW-15I
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 13:30
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602	7786
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602/601	7786
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602/601	7786
Toluene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602	7786
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602	7786
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177092
Sample ID: MW-15I

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	12:53	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	601	7786
MTBE	7.0	ug/l	1.0	1.0	1	12/20/00	12:53	CHollingsw	602	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	93.	50. - 150.
Hall Surr., 2-chloropropane	86.	49. - 125.
Hall Surr., chloroprene	88.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	94.	25. - 157.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 00-A177092
Sample ID: MW-15I

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

Report Approved By: Gail A. Lage

Report Date: 12/21/00

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica INCORPORATED

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 CROSS

Lab Number: 00-A177093
Sample ID: MW-20D
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 14:30
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	1.5	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602/601	7786
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786
Toluene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 00-A177093
Sample ID: MW-20D

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	13:34	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	601	7786
MTBE	ND	ug/l	1.0	1.0	1	12/20/00	13:34	CHollingsw	602	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	88.	49. - 125.
Hall Surr., chloroprene	93.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	90.	25. - 157.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 00-A177093
Sample ID: MW-20D

These results relate only to the items tested.
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Report Approved By: Gail A. Lage Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

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 CROSS

Lab Number: 00-A177087
Sample ID: MW-13
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 9:50
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	602/601	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Vinyl chloride	1.2	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,1-Dichloroethane	5.2	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,1-Dichloroethene	3.8	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
cis-1,2-Dichloroethene	2.1	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	15:38	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177087
Sample ID: MW-13

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Terrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Trichloroethene	1.3	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	15:38	CHollingsw	601	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	101.	50. - 150.
Hall Surr., 2-chloropropane	84.	49. - 125.
Hall Surr., chloroprene	97.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	92.	25. - 157.

- Recovery outside Laboratory historical limits.

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Report Approved By: Gail A. Lage Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

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 CROSS

Lab Number: 00-A177088
Sample ID: MW-25
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 10:00
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	602/601	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Chloroethane	4.4	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Vinyl chloride	29.7	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
1,1-Dichloroethane	156.	ug/l	20.0	1.0	20	12/21/00	20:34	CHollingsw	601	909
1,2-Dichloroethane	3.0	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
1,1-Dichloroethene	282.	ug/l	20.0	1.0	20	12/21/00	20:34	CHollingsw	601	909
cis-1,2-Dichloroethene	84.0	ug/l	20.0	1.0	20	12/21/00	20:34	CHollingsw	601	909
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	16:20	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	1.8	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177088
Sample ID: MW-25

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
1,1,1-Trichloroethane	342.	ug/l	20.0	1.0	20	12/21/00	20:34	CHollingsw	601	909
1,1,2-Trichloroethane	2.1	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786
Trichloroethene	90.0	ug/l	20.0	1.0	20	12/21/00	20:34	CHollingsw	601	909
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	16:20	CHollingsw	601	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	92.	49. - 125.
Hall Surr., chloroprene	87.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	80.	25. - 157.

- Recovery outside Laboratory historical limits.

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

Report Approved By: _____ Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica INCORPORATED

ANALYTICAL REPORT

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

Lab Number: 00-A177089
Sample ID: MW-17
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 10:30
Date Received: 12/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	602/601	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Vinyl chloride	6.9	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,1-Dichloroethane	2.1	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	11:31	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177089
Sample ID: MW-17

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	11:31	CHollingsw	601	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	87.	49. - 125.
Hall Surr., chloroprene	89.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	90.	25. - 157.

- Recovery outside Laboratory historical limits.

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This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Gail A. Lage Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

Lab Number: 00-A177090
Sample ID: MW-18
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 11:00
Date Received: 12/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	602/601	43
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	602/601	43
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	602/601	43
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	602/601	43
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	19:04	CHollingsw	601	43
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177090
Sample ID: MW-18

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:04	CHollingsw	601	43

Volatile LCS was high outside QC limits for several compounds. These compounds were not identified in the sample, therefore the data is not effected.

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	101.	50. - 150.
Hall Surr., 2-chloropropane	83.	49. - 125.
Hall Surr., chloroprene	53.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	87.	25. - 157.

= Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177090
Sample ID: MW-18

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

Report Approved By: _____ Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

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

219057 CO-1152

TestAmerica INCORPORATED

Division/Laboratory Name: _____

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

Client Name: ELS Client #: _____

Address: 7280 Caswell St.

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

Project Manager: E. Bough

Telephone Number: (315) 458-8037 Fax: 458-0249

Sampler Name: (Print Name) Charles C. Ross

Sampler Signature: Charles C. Ross

Project Name: Nello Teer

Project #: 0013-94-012

Site/Location ID: Durham State: NC

Report To: C. Ross

Invoice To: E. Bough

Quote #: _____ PO#: _____

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

Date Needed: 12/27/00

Fax Results: (Y) N

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 (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	601	602 + MTBE	610								REMARKS
180546	MW-23	12/6	15:45	G	N	GW		3				1		X	X	X								177091
180547	MW-15 I	12/7	1:30	G	"	"		3						X	X									177092
180548	MW-20 D	12/7	2:30	"	"	"		3						X	X									177093
180549	MW-13	12/7	9:50	"	"	"		3						X										177087
180550	MW-25	~~12/7~~	10:00	"	"	"		3						X										188
180551	MW-17	12/7	10:30	"	"	"		3						X										177089
	~~MW-26~~	12/7		"	"									X										NO SAMPLE
180552	MW-18	12/7	11:00	"	"	"		3						X										177090

Special Instructions:

Relinquished By: Charles C. Ross	Date: 12/8	Time: 8:40	Received By: [signature]	Date: 12/8/00	Time: 8:40
Relinquished By: [signature]	Date: 12/8/00	Time: 17:00	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: RLRay	Date: 12/9/00	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:

Appendix B

Appendix B
Recovery Well Results
and
Laboratory Analytical Report

Environmental
LABORATORY SERVICES

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

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

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

P.O. #
CLIENT JOB NUMBER:

PROJECT #: 995656
RECEIVED: 12/13/00

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180294 CLIENT SAMPLE ID: RW-1				**DATE SAMPLED: 12/12/00**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/26/00	EPA 601-602	387 (NC)

Douglas W. Mendrala
Laboratory Director

12/29/00
Date

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

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

Project: 0013-94-012
Project Name: NELLO TEIR
Sampler: C.C.

Lab Number: 00-A179395
Sample ID: RW-1
Sample Type: Water
Site ID:

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

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602/601	3791
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602/601	3791
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602/601	3791
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602/601	3791
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791
Toluene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791
o-Xylene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Bromoform	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Bromomethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Chloroethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Chloroform	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Chloromethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Vinyl chloride	1.8	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
1,1-Dichloroethane	12.5	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
1,1-Dichloroethene	5.4	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
cis-1,2-Dichloroethene	3.3	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A179395
Sample ID: RW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Methylene chloride	ND	ug/l	5.0	5.0	1	12/26/00	20:00	M.Himelick	601	3791
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
1,1,1-Trichloroethane	2.8	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Trichloroethene	3.6	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	601	3791
MTBE	ND	ug/l	1.0	1.0	1	12/26/00	20:00	M.Himelick	602	3791

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	101.	50. - 150.
Hall Surr., 2-chloropropane	80.	49. - 125.
Hall Surr., chloroprene	104.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	105.	25. - 157.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A179395
Sample ID: RW-1

These results relate only to the items tested.
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Report Approved By: Gail Lage Report Date: 12/28/00

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

Laboratory Certification Number: 387

End of Sample Report.

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

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 CHAPLE HILL ROAD
SUITE 108
RALEIGH NC 27607
ATTN: MR. TOM DAVIS

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 995903
RECEIVED: 01/24/01

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 180854 CLIENT SAMPLE ID: RW-2				**DATE SAMPLED: 01/23/01**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		02/02/01	EPA 601-602	387 (NC)

Douglas W. Mendrala
Laboratory Director

02/05/01
Date

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

TestAmerica
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

** Original report and a copy of the chain of custody will follow by mail.

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

180854
Lab Number: 01-A9914

Sample ID: RW-2

Date Collected: 1/23/01

Project: 0013-94-012

Time Collected: 16:00

Project Name:

Date Received: 1/25/01

Sampler: C.ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	1.6	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602	4592
Chlorobenzene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602/601	4592
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602/601	4592
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602/601	4592
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602/601	4592
Ethylbenzene	2.4	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602	4592
Toluene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602	4592
m,p-Xylenes	1.1	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602	4592
o-Xylene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	602	4592
Bromodichloromethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Bromoform	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Bromomethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Chloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Chloroform	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Chloromethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Dibromochloromethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Vinyl chloride	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
cis-1,2-Dichloroethene	2.6	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
trans-1,2-Dichloroethene	1.2	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592

TestAmerica
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

** Original report and a copy of the chain of custody will follow by mail.

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

180854

Lab Number: 01-A9914

Sample ID: RW-2

Date Collected: 1/23/01

Project: 0013-94-012

Time Collected: 16:00

Project Name:

Date Received: 1/25/01

Sampler: C.ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Tetrachloroethene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Trichloroethene	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	2/ 2/01	14:18	CHollingsw	601	4592

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	103.	50. - 150.
Hall Surr., 2-chloropropane	100.	49. - 125.
Hall Surr., chloroprene	86.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	84.	25. - 157.

- Recovery outside Laboratory historical limits.

TestAmerica
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

** Original report and a copy of the chain of custody will follow by mail.

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

180854
Lab Number: 01-A9914

Sample ID: RW-2

Date Collected: 1/23/01

Project: 0013-94-012

Time Collected: 16:00

Project Name:

Date Received: 1/25/01

Sampler: C.ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 2/ 2/01

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

Laboratory Certification Number: 387

Chain of Custody Record

TESTAMERICA INC.

01-0094

Page 1 of 1

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

Client: ELS

Report Address: 7280 Caswell St, Hancock Air Park, N. Syracuse, New York 13217

Attn: Cindy Krause

Phone No.: (315) 458-8033

Fax No.: 458-0249

Project No.: 0013-94-012

Invoice Address: Same

Attn: Same

Sampled By: C. Ross

P.O. No: —

Quote No.

State Samples Collected: NC

TURNAROUND TIME

☑ Standard

☐ Rush (surcharges may apply)

Date Needed: 2-2-01

REQUESTED PARAMETERS

601/602

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

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

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

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	601/602	# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
RW-2	1-23	16:00	G	H_2O		X	2						
180854 3 75													

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

Recent Int Lab Temp | Red Lab Temp

COMMENTS:

Relinquished By: Charles C. Ross	Date 1/24	Time 2:05	Received By: [signature]	Date 1/24/01	Time 1415
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY

Custody Seal: ☐ Yes ☐ No ☐ N/A

Bottles Supplied by TA: ☐ Yes ☐ No

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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 CROSS

Lab Number: 00-A177094
Sample ID: RW-3
Sample Type: Water
Site ID:

Date Collected: 12/ 6/00
Time Collected: 16:45
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	7.00	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Acenaphthene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Fluorene	14.0	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Benzo(a)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Benzo(a)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Benzo(b)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Benzo(k)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Chrysene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Dibenzo(a,h)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Acenaphthylene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Benzo(g,h,i)perylene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
1-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
2-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
Phenanthrene	24.0	ug/l	5.00	5.00	1	12/16/00	2:03	J.Gott	610	4937
VOLATILE ORGANICS by GC										
Benzene	9.7	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602/601	43
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602/601	43
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602/601	43
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602/601	43
Ethylbenzene	1.8	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177094
Sample ID: RW-3

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Toluene	2.9	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43
m,p-Xylenes	10.3	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43
o-Xylene	2.9	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	19:45	CHollingsw	601	43
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	601	43
MTBE	ND	ug/l	1.0	1.0	1	12/20/00	19:45	CHollingsw	602	43

Volatile LCS was high outside QC limits for several compounds. These compounds were not identified in the sample, therefore the data is not effected.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177094
Sample ID: RW-3

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Method

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH's	1000 ml	1.00 ml	12/12/00		D.Yeager	3510/610

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	110.	50. - 150.
Hall Surr., 2-chloropropane	77.	49. - 125.
Hall Surr., chloroprene	91.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	92.	25. - 157.
PAH Surrogate	78.	23. - 83.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 00-A177094
Sample ID: RW-3

Page 4

These results relate only to the items tested.
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Report Approved By: [signature] Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

Lab Number: 00-A177095
Sample ID: RW-4
Sample Type: Water
Site ID:

Date Collected: 12/ 6/00
Time Collected: 16:50
Date Received: 12/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	3.1	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602/601	7786
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786
Toluene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Vinyl chloride	1.2	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
cis-1,2-Dichloroethene	3.1	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177095
Sample ID: RW-4

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Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	4:41	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	601	7786
MTBE	2.2	ug/l	1.0	1.0	1	12/20/00	4:41	CHollingsw	602	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	84.	49. - 125.
Hall Surr., chloroprene	83.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	89.	25. - 157.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 00-A177095
Sample ID: RW-4

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Report Approved By: _____ Report Date: 12/21/00

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

Laboratory Certification Number: 387

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: NELLO TEER
Sampler: CHARLES CROSS

Lab Number: 00-A177085
Sample ID: RW-6
Sample Type: Water
Site ID:

Date Collected: 12/ 6/00
Time Collected: 17:10
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	602/601	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,1-Dichloroethane	5.0	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,1-Dichloroethene	1.9	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	1:56	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177085
Sample ID: RW-6

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,1,1-Trichloroethane	7.2	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Trichloroethene	1.8	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	1:56	CHollingsw	601	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	81.	49. - 125.
Hall Surr., chloroprene	98.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	91.	25. - 157.

- Recovery outside Laboratory historical limits.

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Report Approved By: [signature] Report Date: 12/21/00

Paul E. Lane, Jr., Lab Director
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Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.

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ANALYTICAL REPORT

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

Lab Number: 00-A177091
Sample ID: RW-7
Sample Type: Water
Site ID:

Date Collected: 12/ 6/00
Time Collected: 17:00
Date Received: 12/ 9/00
Time Received: 9:00

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602/601	7786
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786
Toluene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 00-A177091
Sample ID: RW-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	3:19	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	601	7786
MTBE	ND	ug/l	1.0	1.0	1	12/20/00	3:19	CHollingsw	602	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	83.	49. - 125.
Hall Surr., chloroprene	91.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	87.	25. - 157.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 00-A177091
Sample ID: RW-7

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Report Approved By: _____ Report Date: 12/21/00

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

Laboratory Certification Number: 387

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

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

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Lab Number: 00-A177096
Sample ID: RW-8
Sample Type: Water
Site ID:

Date Collected: 12/ 7/00
Time Collected: 14:00
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Acenaphthene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Fluorene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Benzo(a)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Benzo(a)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Benzo(b)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Benzo(k)fluoranthene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Chrysene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Dibenzo(a,h)anthracene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Acenaphthylene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Benzo(g,h,i)perylene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
1-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
2-Methylnapthalene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
Phenanthrene	ND	ug/l	5.00	5.00	1	12/16/00	2:40	J.Gott	610	4937
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602/601	56
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602/601	56
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602/601	56
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602/601	56
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 00-A177096
Sample ID: RW-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Toluene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	17:01	CHollingsw	601	56
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Trichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	601	56
MTBE	2.5	ug/l	1.0	1.0	1	12/20/00	17:01	CHollingsw	602	56

Volatile LCS was high outside QC limits for several compounds. These compounds were not identified in the sample, therefore the data is not effected.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177096
Sample ID: RW-8

TCLP Results

Analyte	Result	Units	Reg Limit	Matrix Spike Recovery (%)	Date	Method

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
PAH's	1000 ml	1.00 ml	12/12/00		D.Yeager	3510/610

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	88.	49. - 125.
Hall Surr., chloroprene	96.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	96.	25. - 157.
PAH Surrogate	54.	23. - 83.

- Recovery outside Laboratory historical limits.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 00-A177096
Sample ID: RW-8

Page 4

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

Report Approved By: Gail Lage Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

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

Lab Number: 00-A177086
Sample ID: RW-9
Sample Type: Water
Site ID:

Project: 0013-94-012
Project Name: NELLO TEER
Sampler: CHARLES CROSS

Date Collected: 12/ 6/00
Time Collected: 16:05
Date Received: 12/ 9/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	602/601	7786
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	602/601	7786
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	602/601	7786
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	602/601	7786
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Bromoform	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Chloroform	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Vinyl chloride	15.1	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,1-Dichloroethane	84.2	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,1-Dichloroethene	83.4	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
cis-1,2-Dichloroethene	28.0	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/00	2:37	CHollingsw	601	7786
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 00-A177086
Sample ID: RW-9

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,1,1-Trichloroethane	37.6	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Trichloroethene	17.5	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/00	2:37	CHollingsw	601	7786

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	100.	50. - 150.
Hall Surr., 2-chloropropane	85.	49. - 125.
Hall Surr., chloroprene	102.	49. - 142.
Hall Surr., 1-chloro-3-fluorobenzene	90.	25. - 157.

- Recovery outside Laboratory historical limits.

These results relate only to the items tested.
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Report Approved By: [signature] Report Date: 12/21/00

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

Laboratory Certification Number: 387

End of Sample Report.

219057

TestAmerica INCORPORATED

Division/Laboratory Name: _____

00-1152 2307

MORRISVILLE, NC

ods,
rposes?

Client Name: ELS Client #: _____

Address: 7280 Caswell St.

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

Project Manager: E. Bough

Telephone Number: (315) 458-8037 Fax: 458-0249

Sampler Name: (Print Name) Charles C. Ross

Sampler Signature: [signature]

Project Name: Nello Teer

Project #: 0013-94-012

Site/Location ID: Durham State: NC

Report To: C. Ross

Invoice To: E. Bough

Quote #: _____ PO#: _____

TAT
X Standard
___ Rush (surcharges may apply)

Date Needed: 12 27 00

Fax Results: (Y) N

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: 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	610							REMARKS
180553	RW-1 No sample	—	—	G		GW		~~3~~						X	X								NO SAMPLE
180554	RW-2 No sample	—	—	"		"								X	X								NO SAMPLE
180555	RW-3	12/6	4:45	"		"		3				1		X	X	X							177094
180556	RW-4	12/6	4:50	"		"		3						X	X								177095
180557	RW-5 No sample	—	—	"		"								X									NO SAMPLE
180558	RW-6	12/6	5:10	"		"		3						X									177085
180559	RW-7	12/6	5:00	"		"		3						X	X								177091
180560	RW-8	12/7	2:00	"		"		3				1		X	X	X							177096
180561	RW-9	12/6	4:05	"		"		3						X									177086

Special Instructions:

Rec'd Liter "610" for RW-4

Relinquished By: [signature]	Date: 12/8	Time: 8:40	Received By: [signature]	Date: 12800	Time: 8:40
Relinquished By: [signature]	Date: 12800	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 12/9/00	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:

00-1176

TestAmerica INCORPORATED Division/Laboratory Name: _____

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

Client Name: ELS Client #: _____
Address: 7280 Caswell St
City/State/Zip Code: N. Syracuse, New York 13212
Project Manager: Cindy
Telephone Number: (315) 458-8037 Fax: 458-0249
Sampler Name: (Print Name) Charles C. Ross
Sampler Signature: Charles C. Ross

Project Name: Nello Teer
Project #: 0013-94-012
Site/Location ID: Durham State: NC
Report To: C. Ross
Invoice To: Cindy
Quote #: _____ PO#: _____

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: 12-21-00
Fax Results: (Y) N

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 (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	REMARKS
RW-1 180294	12/12	12:00	G	N	GW		3						X	
RW-2 180295	X	~~[illegible]~~												NO SAMPLE
RW-5 180296	X	X												NO SAMPLE

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Charles C. Ross	12/13	10:05	[signature]	12/13/00	1005
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
Naphthalene	mg/l	< 0.005	0.072	0.100	72	10. - 122.	4937	blank
Acenaphthene	mg/l	< 0.005	0.080	0.100	80	10. - 124.	4937	blank
Anthracene	mg/l	< 0.005	0.090	0.100	90	10. - 126.	4937	blank
Fluoranthene	mg/l	< 0.005	0.098	0.100	98	14. - 123.	4937	blank
Fluorene	mg/l	< 0.005	0.084	0.100	84	10. - 142.	4937	blank
Pyrene	mg/l	< 0.005	0.088	0.100	88	10. - 140.	4937	blank
Benzo(a)anthracene	mg/l	< 0.005	0.097	0.100	97	12. - 135.	4937	blank
Benzo(a)pyrene	mg/l	< 0.005	0.099	0.100	99	10. - 128.	4937	blank
Benzo(b)fluoranthene	mg/l	< 0.005	0.094	0.100	94	6. - 150.	4937	blank
Benzo(k)fluoranthene	mg/l	< 0.005	0.095	0.100	95	10. - 159.	4937	blank
Chrysene	mg/l	< 0.005	0.088	0.100	88	10. - 199.	4937	blank
Dibenzo(a,h)anthracene	mg/l	< 0.005	0.088	0.100	88	10. - 110.	4937	blank
Indeno(1,2,3-cd)pyrene	mg/l	< 0.005	0.102	0.100	102	10. - 116.	4937	blank
Acenaphthylene	mg/l	< 0.005	0.080	0.100	80	10. - 139.	4937	blank
Benzo(g,h,i)perylene	mg/l	< 0.005	0.103	0.100	103	10. - 116.	4937	blank
1-Methylnapthalene	mg/l	< 0.005	0.077	0.100	77	65. - 110.	4937	blank
2-Methylnapthalene	mg/l	< 0.005	0.115	0.100	115#	65. - 110.	4937	blank
Phenanthrene	mg/l	< 0.005	0.088	0.100	88	10. - 155.	4937	blank
Benzene	mg/l	< 0.0010	0.0223	0.0200	112	39. - 150.	7786	00-A176260
Benzene	mg/l	< 0.0010	0.0227	0.0200	114	39. - 150.	7786	00-A177091
Chlorobenzene	mg/l	< 0.0010	0.0227	0.0200	114	55. - 135.	7786	00-A176260
Chlorobenzene	mg/l	< 0.0010	0.0266	0.0200	133	55. - 135.	7786	00-A177091
1,2-Dichlorobenzene	mg/l	< 0.0010	0.0225	0.0200	112	37. - 154.	7786	00-A176260
1,2-Dichlorobenzene	mg/l	< 0.0010	0.0262	0.0200	131	37. - 154.	7786	00-A177091
1,3-Dichlorobenzene	mg/l	< 0.0010	0.0222	0.0200	111	50. - 141.	7786	00-A176260
1,3-Dichlorobenzene	mg/l	< 0.0010	0.0237	0.0200	118	50. - 141.	7786	00-A177091
1,4-Dichlorobenzene	mg/l	< 0.0010	0.0228	0.0200	114	42. - 143.	7786	00-A176260
1,4-Dichlorobenzene	mg/l	< 0.0010	0.0257	0.0200	128	42. - 143.	7786	00-A177091
Ethylbenzene	mg/l	< 0.0010	0.0213	0.0200	106	32. - 160.	7786	00-A176260
Ethylbenzene	mg/l	< 0.0010	0.0220	0.0200	110	32. - 160.	7786	00-A177091
Toluene	mg/l	< 0.0010	0.0216	0.0200	108	46. - 148.	7786	00-A176260
Toluene	mg/l	< 0.0010	0.0220	0.0200	110	46. - 148.	7786	00-A177091
o-Xylene	mg/l	< 0.0010	0.0188	0.0200	94	74. - 126.	7786	00-A176260
o-Xylene	mg/l	< 0.0010	0.0228	0.0200	114	74. - 126.	7786	00-A177091
Bromodichloromethane	mg/l	< 0.0010	0.0214	0.0200	107	42. - 172.	7786	00-A176260

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA

Bromodichloromethane	mg/l	< 0.0010	0.0263	0.0200	132	42. - 172.	7786	00-A177091
Bromoform	mg/l	< 0.0010	0.0188	0.0200	94	13. - 159.	7786	00-A176260
Bromoform	mg/l	< 0.0010	0.0229	0.0200	114	13. - 159.	7786	00-A177091
Bromomethane	mg/l	< 0.0010	0.0272	0.0200	136	10. - 144.	7786	00-A176260
Bromomethane	mg/l	< 0.0010	0.0232	0.0200	116	10. - 144.	7786	00-A177091
Carbon tetrachloride	mg/l	< 0.0010	0.0222	0.0200	111	43. - 143.	7786	00-A176260
Carbon tetrachloride	mg/l	< 0.0010	0.0227	0.0200	114	43. - 143.	7786	00-A177091
Chloroethane	mg/l	< 0.0010	0.0335	0.0200	168#	46. - 137.	7786	00-A176260
Chloroethane	mg/l	< 0.0010	0.0273	0.0200	136	46. - 137.	7786	00-A177091
2-Chloroethylvinylether	mg/l	< 0.0010	< 0.0010	0.0200	N/A	14. - 186.	7786	00-A176260
2-Chloroethylvinylether	mg/l	< 0.0010	< 0.0010	0.0200	N/A	14. - 186.	7786	00-A177091
Chloroform	mg/l	< 0.0010	0.0223	0.0200	112	49. - 133.	7786	00-A176260
Chloroform	mg/l	< 0.0010	0.0213	0.0200	106	49. - 133.	7786	00-A177091
Chloromethane	mg/l	< 0.0010	0.0436	0.0200	218#	10. - 193.	7786	00-A176260
Chloromethane	mg/l	< 0.0010	0.0288	0.0200	144	10. - 193.	7786	00-A177091
Dibromochloromethane	mg/l	< 0.0010	0.0202	0.0200	101	24. - 191.	7786	00-A176260
Dibromochloromethane	mg/l	< 0.0010	0.0228	0.0200	114	24. - 191.	7786	00-A177091
Ethylene Dibromide	mg/l	< 0.0010	0.0212	0.0200	106	70. - 130.	7786	00-A176260
Ethylene Dibromide	mg/l	< 0.0010	0.0214	0.0200	107	70. - 130.	7786	00-A177091
Vinyl chloride	mg/l	< 0.0010	0.0299	0.0200	150	28. - 163.	7786	00-A176260
Vinyl chloride	mg/l	< 0.0010	0.0242	0.0200	121	28. - 163.	7786	00-A177091
1,1-Dichloroethane	mg/l	< 0.0010	0.0247	0.0200	124	47. - 132.	7786	00-A176260
1,1-Dichloroethane	mg/l	< 0.0010	0.0266	0.0200	133#	47. - 132.	7786	00-A177091
1,2-Dichloroethane	mg/l	< 0.0010	0.0238	0.0200	119	51. - 147.	7786	00-A176260
1,2-Dichloroethane	mg/l	< 0.0010	0.0270	0.0200	135	51. - 147.	7786	00-A177091
1,1-Dichloroethene	mg/l	< 0.0010	0.0283	0.0200	142	28. - 167.	7786	00-A176260
1,1-Dichloroethene	mg/l	< 0.0010	0.0257	0.0200	128	28. - 167.	7786	00-A177091
cis-1,2-Dichloroethene	mg/l	< 0.0010	0.0241	0.0200	120	76. - 123.	7786	00-A176260
cis-1,2-Dichloroethene	mg/l	< 0.0010	0.0246	0.0200	123#	76. - 123.	7786	00-A177091
trans-1,2-Dichloroethene	mg/l	< 0.0010	0.0302	0.0200	151	38. - 155.	7786	00-A176260
trans-1,2-Dichloroethene	mg/l	< 0.0010	0.0238	0.0200	119	38. - 155.	7786	00-A177091
1,2-Dichloropropane	mg/l	< 0.0010	0.0229	0.0200	114	44. - 156.	7786	00-A176260
1,2-Dichloropropane	mg/l	< 0.0010	0.0240	0.0200	120	44. - 156.	7786	00-A177091
cis-1,3-Dichloropropene	mg/l	< 0.0010	0.0206	0.0200	103	22. - 178.	7786	00-A176260
cis-1,3-Dichloropropene	mg/l	< 0.0010	0.0224	0.0200	112	22. - 178.	7786	00-A177091
trans-1,3-Dichloropropene	mg/l	< 0.0010	0.0202	0.0200	101	22. - 178.	7786	00-A176260
trans-1,3-Dichloropropene	mg/l	< 0.0010	0.0210	0.0200	105	22. - 178.	7786	00-A177091
Methylene chloride	mg/l	< 0.0050	0.0217	0.0200	108	25. - 162.	7786	00-A176260
Methylene chloride	mg/l	< 0.0050	0.0252	0.0200	126	25. - 162.	7786	00-A177091
1,1,2,2-Tetrachloroethane	mg/l	< 0.0010	0.0222	0.0200	111	8. - 184.	7786	00-A176260

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA

1,1,2,2-Tetrachloroethane	mg/l	< 0.0010	0.0253	0.0200	126	8. - 184.	7786	00-A177091
Tetrachloroethene	mg/l	< 0.0010	0.0259	0.0200	130	26. - 162.	7786	00-A176260
Tetrachloroethene	mg/l	< 0.0010	0.0287	0.0200	144	26. - 162.	7786	00-A177091
1,1,1-Trichloroethane	mg/l	< 0.0010	0.0231	0.0200	116	41. - 138.	7786	00-A176260
1,1,1-Trichloroethane	mg/l	< 0.0010	0.0243	0.0200	122	41. - 138.	7786	00-A177091
1,1,2-Trichloroethane	mg/l	< 0.0010	0.0220	0.0200	110	39. - 136.	7786	00-A176260
1,1,2-Trichloroethane	mg/l	< 0.0010	0.0253	0.0200	126	39. - 136.	7786	00-A177091
Trichloroethene	mg/l	< 0.0010	0.0250	0.0200	125	35. - 146.	7786	00-A176260
Trichloroethene	mg/l	< 0.0010	0.0243	0.0200	122	35. - 146.	7786	00-A177091
Trichlorofluoromethane	mg/l	< 0.0010	0.0247	0.0200	124	21. - 156.	7786	00-A176260
Trichlorofluoromethane	mg/l	< 0.0010	0.0255	0.0200	128	21. - 156.	7786	00-A177091

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.100	0.070	70	22 - 100	4937
Acenaphthene	mg/l	0.100	0.075	75	10 - 106	4937
Anthracene	mg/l	0.100	0.083	83	11 - 112	4937
Fluoranthene	mg/l	0.100	0.090	90	27 - 111	4937
Fluorene	mg/l	0.100	0.079	79	10 - 119	4937
Pyrene	mg/l	0.100	0.081	81	14 - 121	4937
Benzo(a)anthracene	mg/l	0.100	0.090	90	31 - 116	4937
Benzo(a)pyrene	mg/l	0.100	0.091	91	20 - 110	4937
Benzo(b)fluoranthene	mg/l	0.100	0.086	86	18 - 138	4937
Benzo(k)fluoranthene	mg/l	0.100	0.087	87 #	10 - 70	4937
Chrysene	mg/l	0.100	0.081	81	10 - 175	4937
Dibenzo(a,h)anthracene	mg/l	0.100	0.081	81	30 - 100	4937
Indeno(1,2,3-cd)pyrene	mg/l	0.100	0.094	94	12 - 100	4937
Acenaphthylene	mg/l	0.100	0.077	77	22 - 112	4937
Benzo(g,h,i)perylene	mg/l	0.100	0.096	96	10 - 107	4937
1-Methylnapthalene	mg/l	0.100	0.073	73	58 - 128	4937
2-Methylnapthalene	mg/l	0.100	0.111	111	63 - 128	4937
Phenanthrene	mg/l	0.100	0.081	81	8 - 134	4937
Benzene	mg/l	0.0200	0.0196	98	77 - 123	7786
Benzene	mg/l	0.0500	0.0535	107	77 - 123	43
Benzene	mg/l	0.0200	0.0205	102	77 - 123	56
Chlorobenzene	mg/l	0.0200	0.0203	102	81 - 120	7786
Chlorobenzene	mg/l	0.0500	0.0485	97	81 - 120	43
Chlorobenzene	mg/l	0.0200	0.0232	116	81 - 120	56

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dichlorobenzene	mg/l	0.0200	0.0203	102	68 - 132	7786
1,2-Dichlorobenzene	mg/l	0.0500	0.0485	97	68 - 132	43
1,2-Dichlorobenzene	mg/l	0.0200	0.0222	111	68 - 132	56
1,3-Dichlorobenzene	mg/l	0.0200	0.0201	100	73 - 128	7786
1,3-Dichlorobenzene	mg/l	0.0500	0.0487	97	73 - 128	43
1,3-Dichlorobenzene	mg/l	0.0200	0.0214	107	73 - 128	56
1,4-Dichlorobenzene	mg/l	0.0200	0.0204	102	70 - 131	7786
1,4-Dichlorobenzene	mg/l	0.0500	0.0489	98	70 - 131	43
1,4-Dichlorobenzene	mg/l	0.0200	0.0219	110	70 - 131	56
Ethylbenzene	mg/l	0.0200	0.0199	100	63 - 137	7786
Ethylbenzene	mg/l	0.0500	0.0529	106	63 - 137	43
Ethylbenzene	mg/l	0.0200	0.0203	102	63 - 137	56
Toluene	mg/l	0.0200	0.0198	99	78 - 123	7786
Toluene	mg/l	0.0500	0.0529	106	78 - 123	43
Toluene	mg/l	0.0200	0.0204	102	78 - 123	56
m,p-Xylenes	mg/l	0.0400	0.0409	102	84 - 115	7786
m,p-Xylenes	mg/l	0.0400	0.0417	104	84 - 115	56
o-Xylene	mg/l	0.0200	0.0199	100	83 - 124	7786
o-Xylene	mg/l	0.0500	0.0536	107	83 - 124	43
o-Xylene	mg/l	0.0200	0.0206	103	83 - 124	56
Bromodichloromethane	mg/l	0.0200	0.0206	103	76 - 124	7786
Bromodichloromethane	mg/l	0.0500	0.0494	99	76 - 124	43
Bromodichloromethane	mg/l	0.0200	0.0221	110	76 - 124	56
Bromoform	mg/l	0.0200	0.0191	96	74 - 127	7786
Bromoform	mg/l	0.0500	0.0438	88	74 - 127	43
Bromoform	mg/l	0.0200	0.0219	110	74 - 127	56
Bromomethane	mg/l	0.0200	0.0190	95	59 - 142	7786
Bromomethane	mg/l	0.0500	0.0863	173 #	59 - 142	43
Bromomethane	mg/l	0.0200	0.0296	148 #	59 - 142	56
Carbon tetrachloride	mg/l	0.0200	0.0205	102	69 - 132	7786
Carbon tetrachloride	mg/l	0.0500	0.0473	95	69 - 132	43
Carbon tetrachloride	mg/l	0.0200	0.0225	112	69 - 132	56
Chloroethane	mg/l	0.0200	0.0221	110	77 - 123	7786
Chloroethane	mg/l	0.0200	0.0392	196 #	77 - 123	56
2-Chloroethylvinylether	mg/l	0.0200	0.0184	92	60 - 140	7786

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Chloroethylvinylether	mg/l	0.0500	0.0443	89	60 - 140	43
2-Chloroethylvinylether	mg/l	0.0200	0.0178	89	60 - 140	56
Chloroform	mg/l	0.0200	0.0203	102	75 - 125	7786
Chloroform	mg/l	0.0500	0.0547	109	75 - 125	43
Chloroform	mg/l	0.0200	0.0233	116	75 - 125	56
Chloromethane	mg/l	0.0200	0.0179	90	60 - 141	7786
Chloromethane	mg/l	0.0200	0.0557	278 #	60 - 141	56
Dibromochloromethane	mg/l	0.0200	0.0196	98	66 - 135	7786
Dibromochloromethane	mg/l	0.0500	0.0483	97	66 - 135	43
Dibromochloromethane	mg/l	0.0200	0.0221	110	66 - 135	56
Ethylene Dibromide	mg/l	0.0200	0.0194	97	82 - 119	7786
Ethylene Dibromide	mg/l	0.0500	0.0550	110	82 - 119	43
Ethylene Dibromide	mg/l	0.0200	0.0222	111	82 - 119	56
Vinyl chloride	mg/l	0.0200	0.0201	100	69 - 132	7786
Vinyl chloride	mg/l	0.0500	0.0850	170 #	69 - 132	43
Vinyl chloride	mg/l	0.0200	0.0330	165 #	69 - 132	56
Dichlorodifluoromethane	mg/l	0.0200	0.0178	89	75 - 124	7786
Dichlorodifluoromethane	mg/l	0.0200	0.0683	342 #	75 - 124	56
1,1-Dichloroethane	mg/l	0.0200	0.0209	104	84 - 116	7786
1,1-Dichloroethane	mg/l	0.0500	0.0552	110	84 - 116	43
1,1-Dichloroethane	mg/l	0.0200	0.0241	120 #	84 - 116	56
1,1-Dichloroethane	mg/l	0.0500	0.0497	99	84 - 116	909
1,2-Dichloroethane	mg/l	0.0200	0.0200	100	72 - 129	7786
1,2-Dichloroethane	mg/l	0.0500	0.0558	112	72 - 129	43
1,2-Dichloroethane	mg/l	0.0200	0.0248	124	72 - 129	56
1,1-Dichloroethene	mg/l	0.0200	0.0219	110	63 - 137	7786
1,1-Dichloroethene	mg/l	0.0500	0.0796	159 #	63 - 137	43
1,1-Dichloroethene	mg/l	0.0200	0.0312	156 #	63 - 137	56
1,1-Dichloroethene	mg/l	0.0500	0.0538	108	63 - 137	909
cis-1,2-Dichloroethene	mg/l	0.0200	0.0201	100	76 - 124	7786
cis-1,2-Dichloroethene	mg/l	0.0500	0.0587	117	76 - 124	43
cis-1,2-Dichloroethene	mg/l	0.0200	0.0239	120	76 - 124	56
cis-1,2-Dichloroethene	mg/l	0.0500	0.0524	105	76 - 124	909
trans-1,2-Dichloroethene	mg/l	0.0200	0.0216	108	64 - 136	7786
trans-1,2-Dichloroethene	mg/l	0.0500	0.0683	137 #	64 - 136	43

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
trans-1,2-Dichloroethene	mg/l	0.0200	0.0296	148 #	64 - 136	56
1,2-Dichloropropane	mg/l	0.0200	0.0207	104	74 - 126	7786
1,2-Dichloropropane	mg/l	0.0500	0.0581	116	74 - 126	43
1,2-Dichloropropane	mg/l	0.0200	0.0222	111	74 - 126	56
cis-1,3-Dichloropropene	mg/l	0.0200	0.0203	102	63 - 136	7786
cis-1,3-Dichloropropene	mg/l	0.0500	0.0431	86	63 - 136	43
cis-1,3-Dichloropropene	mg/l	0.0200	0.0209	104	63 - 136	56
trans-1,3-Dichloropropene	mg/l	0.0200	0.0194	97	63 - 136	7786
trans-1,3-Dichloropropene	mg/l	0.0500	0.0431	86	63 - 136	43
trans-1,3-Dichloropropene	mg/l	0.0200	0.0204	102	63 - 136	56
Methylene chloride	mg/l	0.0200	0.0244	122	78 - 123	7786
Methylene chloride	mg/l	0.0500	0.0750	150 #	78 - 123	43
Methylene chloride	mg/l	0.0200	0.0263	132 #	78 - 123	56
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0194	97	49 - 151	7786
1,1,2,2-Tetrachloroethane	mg/l	0.0500	0.0491	98	49 - 151	43
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0228	114	49 - 151	56
Tetrachloroethene	mg/l	0.0200	0.0227	114	70 - 130	7786
Tetrachloroethene	mg/l	0.0500	0.0461	92	70 - 130	43
Tetrachloroethene	mg/l	0.0200	0.0248	124	70 - 130	56
1,1,1-Trichloroethane	mg/l	0.0200	0.0202	101	71 - 129	7786
1,1,1-Trichloroethane	mg/l	0.0500	0.0527	105	71 - 129	43
1,1,1-Trichloroethane	mg/l	0.0200	0.0236	118	71 - 129	56
1,1,1-Trichloroethane	mg/l	0.0500	0.0513	103	71 - 129	909
1,1,2-Trichloroethane	mg/l	0.0200	0.0200	100	79 - 122	7786
1,1,2-Trichloroethane	mg/l	0.0500	0.0501	100	79 - 122	43
1,1,2-Trichloroethane	mg/l	0.0200	0.0226	113	79 - 122	56
Trichloroethene	mg/l	0.0200	0.0213	106	77 - 123	7786
Trichloroethene	mg/l	0.0500	0.0514	103	77 - 123	43
Trichloroethene	mg/l	0.0200	0.0227	114	77 - 123	56
Trichloroethene	mg/l	0.0500	0.0493	99	77 - 123	909
Trichlorofluoromethane	mg/l	0.0200	0.0207	104	67 - 134	7786
Trichlorofluoromethane	mg/l	0.0500	0.0596	119	67 - 134	43
Trichlorofluoromethane	mg/l	0.0200	0.0253	126	67 - 134	56
MTBE	mg/l	0.0200	0.0187	94	70 - 130	7786
MTBE	mg/l	0.0500	0.0529	106	70 - 130	43

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
MTBE	mg/l	0.0200	0.0210	105	70 - 130	56

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Naphthalene	< 0.005	mg/l	4937
Acenaphthene	< 0.005	mg/l	4937
Anthracene	< 0.005	mg/l	4937
Fluoranthene	< 0.005	mg/l	4937
Fluorene	< 0.005	mg/l	4937
Pyrene	< 0.005	mg/l	4937
Benzo(a)anthracene	< 0.005	mg/l	4937
Benzo(a)pyrene	< 0.005	mg/l	4937
Benzo(b)fluoranthene	< 0.005	mg/l	4937
Benzo(k)fluoranthene	< 0.005	mg/l	4937
Chrysene	< 0.005	mg/l	4937
Dibenzo(a,h)anthracene	< 0.005	mg/l	4937
Indeno(1,2,3-cd)pyrene	< 0.005	mg/l	4937
Acenaphthylene	< 0.005	mg/l	4937
Benzo(g,h,i)perylene	< 0.005	mg/l	4937
1-Methylnapthalene	< 0.005	mg/l	4937
2-Methylnapthalene	< 0.005	mg/l	4937
Phenanthrene	< 0.005	mg/l	4937
Benzene	< 0.0010	mg/l	43
Benzene	< 0.0010	mg/l	56
Benzene	< 0.0010	mg/l	7786
Benzene	< 0.0010	mg/l	7786
Chlorobenzene	< 0.0010	mg/l	43
Chlorobenzene	< 0.0010	mg/l	56
Chlorobenzene	< 0.0010	mg/l	7786
Chlorobenzene	< 0.0010	mg/l	7786
1,2-Dichlorobenzene	< 0.0010	mg/l	43
1,2-Dichlorobenzene	< 0.0010	mg/l	56
1,2-Dichlorobenzene	< 0.0010	mg/l	7786

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
1,2-Dichlorobenzene	< 0.0010	mg/l	7786
1,3-Dichlorobenzene	< 0.0010	mg/l	43
1,3-Dichlorobenzene	< 0.0010	mg/l	56
1,3-Dichlorobenzene	< 0.0010	mg/l	7786
1,3-Dichlorobenzene	< 0.0010	mg/l	7786
1,4-Dichlorobenzene	< 0.0010	mg/l	43
1,4-Dichlorobenzene	< 0.0010	mg/l	56
1,4-Dichlorobenzene	< 0.0010	mg/l	7786
1,4-Dichlorobenzene	< 0.0010	mg/l	7786
Ethylbenzene	< 0.0010	mg/l	43
Ethylbenzene	< 0.0010	mg/l	56
Ethylbenzene	< 0.0010	mg/l	7786
Ethylbenzene	< 0.0010	mg/l	7786
Toluene	< 0.0010	mg/l	43
Toluene	< 0.0010	mg/l	56
Toluene	< 0.0010	mg/l	7786
Toluene	< 0.0010	mg/l	7786
m,p-Xylenes	< 0.0010	mg/l	43
m,p-Xylenes	< 0.0010	mg/l	56
m,p-Xylenes	< 0.0010	mg/l	7786
m,p-Xylenes	< 0.0010	mg/l	7786
o-Xylene	< 0.0010	mg/l	43
o-Xylene	< 0.0010	mg/l	56
o-Xylene	< 0.0010	mg/l	7786
o-Xylene	< 0.0010	mg/l	7786
Bromodichloromethane	< 0.0010	mg/l	43
Bromodichloromethane	< 0.0010	mg/l	56
Bromodichloromethane	< 0.0010	mg/l	7786
Bromodichloromethane	< 0.0010	mg/l	7786
Bromoform	< 0.0010	mg/l	43
Bromoform	< 0.0010	mg/l	56
Bromoform	< 0.0010	mg/l	7786
Bromoform	< 0.0010	mg/l	7786
Bromomethane	< 0.0010	mg/l	43
Bromomethane	< 0.0010	mg/l	56

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Bromomethane	< 0.0010	mg/l	7786
Bromomethane	< 0.0010	mg/l	7786
Carbon tetrachloride	< 0.0010	mg/l	43
Carbon tetrachloride	< 0.0010	mg/l	56
Carbon tetrachloride	< 0.0010	mg/l	7786
Carbon tetrachloride	< 0.0010	mg/l	7786
Chloroethane	< 0.0010	mg/l	43
Chloroethane	< 0.0010	mg/l	56
Chloroethane	< 0.0010	mg/l	7786
Chloroethane	< 0.0010	mg/l	7786
2-Chloroethylvinylether	< 0.0010	mg/l	43
2-Chloroethylvinylether	< 0.0010	mg/l	56
2-Chloroethylvinylether	< 0.0010	mg/l	7786
2-Chloroethylvinylether	< 0.0010	mg/l	7786
Chloroform	< 0.0010	mg/l	43
Chloroform	< 0.0010	mg/l	56
Chloroform	< 0.0010	mg/l	7786
Chloroform	< 0.0010	mg/l	7786
Chloromethane	< 0.0010	mg/l	43
Chloromethane	< 0.0010	mg/l	56
Chloromethane	< 0.0010	mg/l	7786
Chloromethane	< 0.0010	mg/l	7786
Dibromochloromethane	< 0.0010	mg/l	43
Dibromochloromethane	< 0.0010	mg/l	56
Dibromochloromethane	< 0.0010	mg/l	7786
Dibromochloromethane	< 0.0010	mg/l	7786
Ethylene Dibromide	< 0.0010	mg/l	43
Ethylene Dibromide	< 0.0010	mg/l	56
Ethylene Dibromide	< 0.0010	mg/l	7786
Ethylene Dibromide	< 0.0010	mg/l	7786
Vinyl chloride	< 0.0010	mg/l	43
Vinyl chloride	< 0.0010	mg/l	56
Vinyl chloride	< 0.0010	mg/l	7786
Vinyl chloride	< 0.0010	mg/l	7786
Dichlorodifluoromethane	< 0.0010	mg/l	43

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Dichlorodifluoromethane	< 0.0010	mg/l	56
Dichlorodifluoromethane	< 0.0010	mg/l	7786
Dichlorodifluoromethane	< 0.0010	mg/l	7786
1,1-Dichloroethane	< 0.0010	mg/l	43
1,1-Dichloroethane	< 0.0010	mg/l	56
1,1-Dichloroethane	< 0.0010	mg/l	7786
1,1-Dichloroethane	< 0.0010	mg/l	7786
1,1-Dichloroethane	< 0.0010	mg/l	909
1,2-Dichloroethane	< 0.0010	mg/l	43
1,2-Dichloroethane	< 0.0010	mg/l	56
1,2-Dichloroethane	< 0.0010	mg/l	7786
1,2-Dichloroethane	< 0.0010	mg/l	7786
1,1-Dichloroethene	< 0.0010	mg/l	43
1,1-Dichloroethene	< 0.0010	mg/l	56
1,1-Dichloroethene	< 0.0010	mg/l	7786
1,1-Dichloroethene	< 0.0010	mg/l	7786
1,1-Dichloroethene	< 0.0010	mg/l	909
cis-1,2-Dichloroethene	< 0.0010	mg/l	43
cis-1,2-Dichloroethene	< 0.0010	mg/l	56
cis-1,2-Dichloroethene	< 0.0010	mg/l	7786
cis-1,2-Dichloroethene	< 0.0010	mg/l	7786
cis-1,2-Dichloroethene	< 0.0010	mg/l	909
trans-1,2-Dichloroethene	< 0.0010	mg/l	43
trans-1,2-Dichloroethene	< 0.0010	mg/l	56
trans-1,2-Dichloroethene	< 0.0010	mg/l	7786
trans-1,2-Dichloroethene	< 0.0010	mg/l	7786
1,2-Dichloropropane	< 0.0010	mg/l	43
1,2-Dichloropropane	< 0.0010	mg/l	56
1,2-Dichloropropane	< 0.0010	mg/l	7786
1,2-Dichloropropane	< 0.0010	mg/l	7786
cis-1,3-Dichloropropene	< 0.0010	mg/l	43
cis-1,3-Dichloropropene	< 0.0010	mg/l	56
cis-1,3-Dichloropropene	< 0.0010	mg/l	7786
cis-1,3-Dichloropropene	< 0.0010	mg/l	7786
trans-1,3-Dichloropropene	< 0.0010	mg/l	43

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
trans-1,3-Dichloropropene	< 0.0010	mg/l	56
trans-1,3-Dichloropropene	< 0.0010	mg/l	7786
trans-1,3-Dichloropropene	< 0.0010	mg/l	7786
Methylene chloride	< 0.0050	mg/l	43
Methylene chloride	< 0.0050	mg/l	56
Methylene chloride	< 0.0050	mg/l	7786
Methylene chloride	< 0.0050	mg/l	7786
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	43
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	56
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	7786
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	7786
Tetrachloroethene	< 0.0010	mg/l	43
Tetrachloroethene	< 0.0010	mg/l	56
Tetrachloroethene	< 0.0010	mg/l	7786
Tetrachloroethene	< 0.0010	mg/l	7786
1,1,1-Trichloroethane	< 0.0010	mg/l	43
1,1,1-Trichloroethane	< 0.0010	mg/l	56
1,1,1-Trichloroethane	< 0.0010	mg/l	7786
1,1,1-Trichloroethane	< 0.0010	mg/l	7786
1,1,1-Trichloroethane	< 0.0010	mg/l	909
1,1,2-Trichloroethane	< 0.0010	mg/l	43
1,1,2-Trichloroethane	< 0.0010	mg/l	56
1,1,2-Trichloroethane	< 0.0010	mg/l	7786
1,1,2-Trichloroethane	< 0.0010	mg/l	7786
Trichloroethene	< 0.0010	mg/l	43
Trichloroethene	< 0.0010	mg/l	56
Trichloroethene	< 0.0010	mg/l	7786
Trichloroethene	< 0.0010	mg/l	7786
Trichloroethene	< 0.0010	mg/l	909
Trichlorofluoromethane	< 0.0010	mg/l	43
Trichlorofluoromethane	< 0.0010	mg/l	56
Trichlorofluoromethane	< 0.0010	mg/l	7786
Trichlorofluoromethane	< 0.0010	mg/l	7786
MTBE	< 0.0010	mg/l	43
MTBE	< 0.0010	mg/l	56

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
MTBE	< 0.0010	mg/l	7786
MTBE	< 0.0010	mg/l	7786

- Value outside Laboratory historical QC limits.

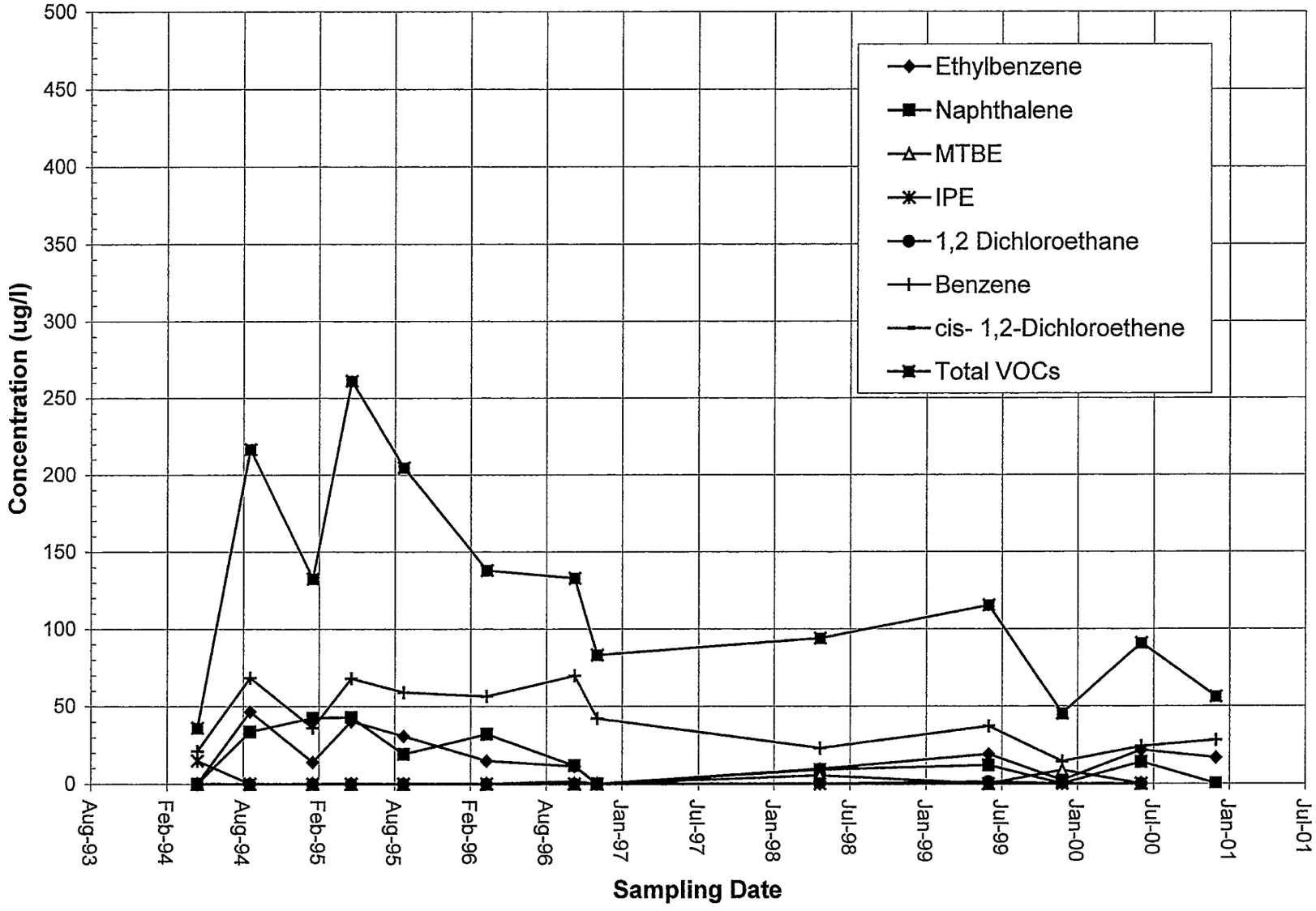
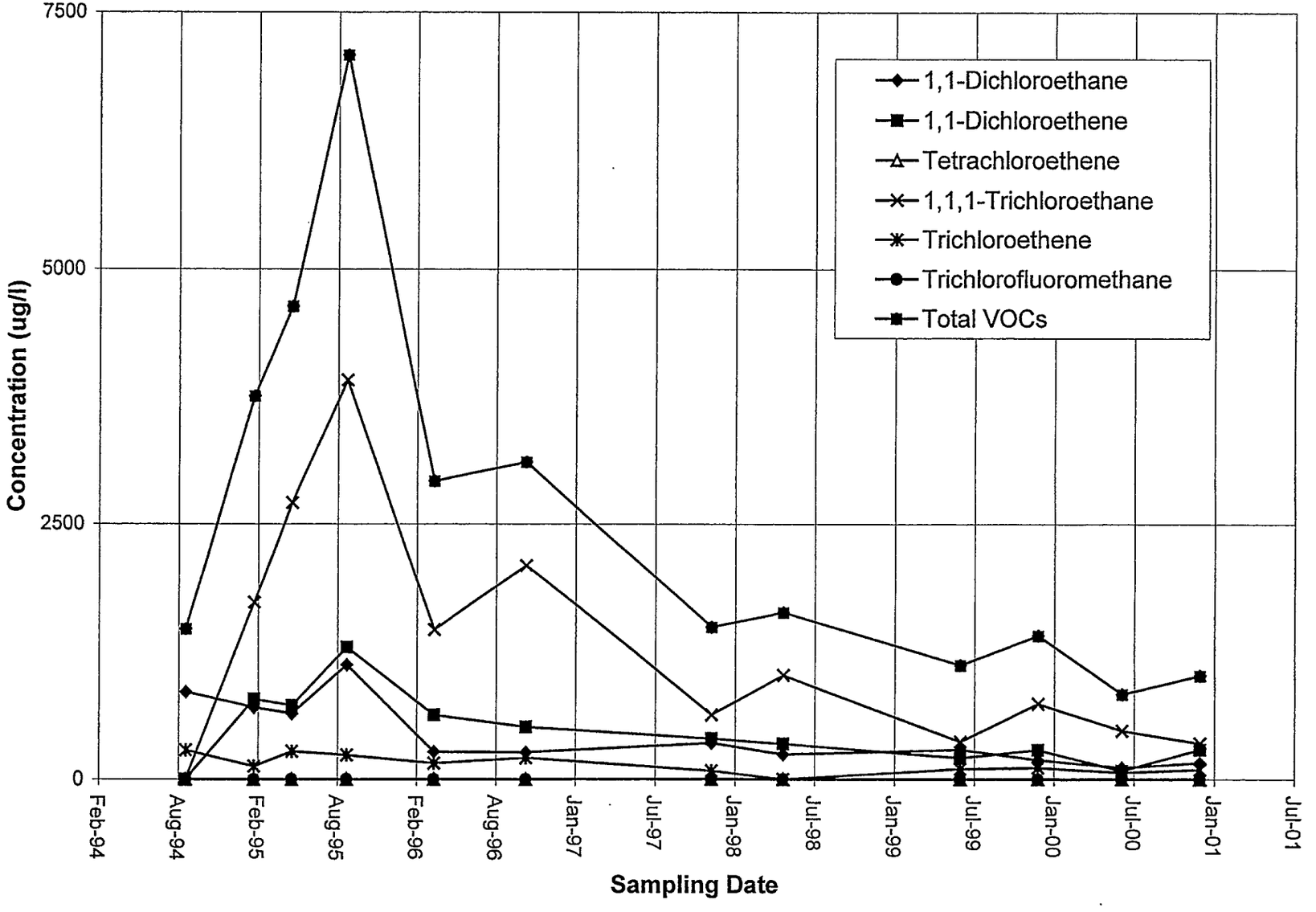
End of Report for Project 219057

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

Charts

Charts

MW-23 Historic Groundwater Monitoring Results.



MW-25 Historic Groundwater Monitoring Results.