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

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

Prepared by:
Quantum Environmental, Inc.
2200 Gateway Centre Blvd., Suite 205
Morrisville, North Carolina 27560

January 11, 2000

Quantum Project No. 0013-94-012

Quantum

Quantum Environmental, Inc.

January 11, 2000

JAN 14 2000

Mr. Jay Zimmerman, P.G.
North Carolina Department of Environment and Natural Resources
Division of Environmental Management
3800 Barrett Drive
Raleigh, North Carolina 27609

Re: Compliance Monitoring Report - June 1999 and December 1999 Sampling Events
Nello Teer Company - Denfield Street Quarry (current owner, Hanson Aggregates)
Durham, North Carolina
Quantum Project No. 0013-94-012
Groundwater Incident No. 9357

Mr. Zimmerman:

Please find enclosed the following two copies of the Compliance Monitoring Report, one each for June and December, 1999 for the former Nello Teer (Teer) Quarry. The enclosed reports present the sampling methodologies, groundwater flow directions, current extent of contamination for each period, analytical results provided by Environmental Laboratory Services (ELS), and recommendations for an amended sampling schedule for future events.

Please let us know if Quantum can supply any other pertinent site information to the NCDENR regarding this remediation site.

If you have any questions or comments concerning this report, please contact me at (919) 469-9795.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.

Charles C. Ross , P.G.
Project Hydrogeologist

L00-002:CCR:alm

Attachments

cc: Mr. Steve Edgerton (Hanson)

2200 Gateway Boulevard Suite 205 Morrisville, North Carolina 27560 919.469.9795 919.469.3557 fax

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

Date of Report: January 11, 2000

Site Priority Ranking: 110B

JAN 1 4 2000

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.
2200 Gateway Center Boulevard, Suite 205
Morrisville, North Carolina 27560
(919) 469-9795
Quantum Project No. 0013-94-012

Release Information:

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

Latitude: **36° 3.45'N** **Longitude:** **78° 53.10'W**

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 INTRODUCTION

On December 9 and 10, 1999, 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 sampling was in accordance with the active remediation Corrective Action Plan (CAP) submitted to the North Carolina Department of Natural Resources, Raleigh Regional Office in 1993. This report presents the sampling methodologies, groundwater flow directions, current extent of contamination, analytical results provided by Environmental Laboratory Services (ELS), and recommendations for an amended future sampling schedule.

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, but is no longer an active quarry. 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 appear to have originated from gasoline, diesel, and waste oil underground storage tanks (UST's) located at a former gas station on-site (multiple UST nests). Additional groundwater contamination, by chlorinated hydrocarbons, appears to have originated from an asphalt testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT). A Comprehensive Site Assessment Report, submitted by Geonetics, Inc. in 1993 indicated a large volume of contaminated soil and groundwater existed at the site, however, many of Geonetics' conclusions were based on field organic vapor analyzer results only and were not confirmed with laboratory analysis.

Quantum submitted a revised Corrective Action Plan (CAP) for soil and groundwater remediation along with applications for a permit to land apply hydrocarbon contaminated soils and a discharge permit (NPDES) for treated groundwater. The permits were both issued and the land application of contaminated soil was completed in 1997. Quantum completed construction and started up the groundwater remediation system in October, 1997. To date over 4 million gallons of groundwater have been recovered and treated by this remediation system.

There are currently nine monitoring wells for the shallow (water table) aquifer and eleven monitoring wells for the deep (semi-confined) aquifer at the site. In addition, there are seven recovery wells in place at the site. Three recovery wells are located near the old gas station on the southern portion of the site, three are located at the site of the old asphalt plant on the northern portion of the site, and one deep recovery well is located between the two source areas. A well location map is presented in Figure 2. Sixteen monitoring wells make up the current groundwater monitoring sampling network, although one is chronically dry and cannot be properly sampled. Water levels were also obtained from three monitoring wells that are no longer in the sampling network (MW-19, MW-3 and MW-9).

2.0 GROUNDWATER SAMPLING METHODOLOGY

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

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

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

Shallow: MW-7, MW-17, MW-18, MW-24, MW-25 and MW-26;

Deep: MW-1, MW-11, MW-13, MW-14I, MW-15I, MW-16I, MW-20D, MW-22 and MW-23

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 ELS. Environmental Laboratory Services is a North Carolina certified laboratory. The samples were submitted for analysis by EPA Methods 601, 602, and 610. 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 towards the east/northeast with an average hydraulic gradient of 0.023. Water levels were generally higher than during the previous sampling event presumably due to slightly higher autumn rainfall totals at the site. The groundwater flow direction for the deep aquifer was determined to be to the north/northwest, towards the quarry pit, with an average hydraulic gradient of 0.05 ft/ft. The flow pattern for the deep aquifer appears to have been significantly modified as a result of the radius of influence of RW-1. Table 1 presents a summary of the water level data from the December 1999 sampling event. Figures 3 and 4 present potentiometric maps of the shallow and deep aquifers, respectively.

3.1 Discussion of Sampling Results

Laboratory analytical results of the December 1999 sampling event indicate that, with the exception of MW-25, levels of petroleum hydrocarbons and/or chlorinated hydrocarbons detected in the groundwater monitoring wells have remained relatively constant or decreased substantially since

the June 1999 sampling event. Monitoring wells MW-20D and MW-23 for example, have shown decreases of 85 percent and 66 percent, respectively, for all contaminants since the June 1999 sampling event.

Chlorinated hydrocarbon levels in the vicinity of the former asphalt plant have shown either little relative change or moderate increases in concentrations in the shallow aquifer, and have disappeared completely from the deep aquifer since the June 1999 sampling event. Of the five monitor wells that previously indicated the presence of vinyl chloride (MW-17, MW-18, MW-20D, MW-25 and MW-26), a final degradation product of chlorinated hydrocarbons, only MW-20D and MW-26 showed decreased levels of vinyl chloride for the current sampling period. Monitoring well MW-25 indicated higher concentrations of chlorinated hydrocarbons (approximately a 25% overall CVOC increase), including a greater than twofold increase in 1,1,1 trichloroethane concentrations.

Summaries of the current laboratory analytical results for the shallow and deep aquifers are presented in Table 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 indicates the complete historical monitoring well data from 1993 through the current monitoring period. Overall, the site continues to see a steady decrease in contaminant concentrations. A series of groundwater concentration vs. time charts were prepared indicating the decrease in groundwater concentrations for the four historically worst monitoring wells at the site (Charts 1-4). The charts for these wells (MW-13, MW-20D, MW-23 and MW-25) indicate the trend towards asymptote for each well.

4.0 REMEDIAL SYSTEM OPERATION SUMMARY

Operation of the remediation system for the period June-December, 1999 continued throughout the period. The system ran every month with the exception of October. The GAC carbon units were found to be spent in mid-September, and it took approximately six weeks to have the spent carbon characterized, replacement carbon installed and the system restarted. The spent carbon was properly disposed of as a non-hazardous waste in mid-November through Soil Solutions, Inc. The system was restarted on November 5th, and has been operational since that time. A variety of scheduled and non-scheduled maintenance items were conducted during the period, including filter replacements (monthly to bi-weekly), transfer pump repairs, flow switch replacement, recovery well pump replacement and repair, and replacement and troubleshooting of miscellaneous other items and components. To gauge the system's efficacy, composite samples were collected in late December of the influent and effluent water immediately before and after the air stripper. The influent composite sample indicated a mixture of petroleum and chlorinated constituents as expected, while the effluent composite (pre-carbon) indicated that no detectable compounds were identified. Thus, the air stripper appears to be performing its designed function of removing contaminants, and the carbon units act only as a final polishing agent. Further modifications will likely be made in coming months in order to maximize the system's operation. The results of the system efficacy testing are summarized in Table 6, and the laboratory analytical results for the influent/effluent testing are included in Appendix C.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on measured groundwater levels in both the shallow and deep aquifers, the water table elevations have generally risen since the last sampling event as would be expected after a series of mid-autumn rainfall events. Neither the direction nor the gradient of groundwater flow had changed appreciably for the deep aquifer during the current monitoring period; although the flow regime had been significantly modified as increased quantities of removed groundwater from RW-1 indicated a larger radius of influence, modifying the flow regime in the area around RW-1 and MW-20D (see Figure 4). The depth to water in MW-20D was fourteen feet lower than that measured in June. A considerable decrease in groundwater contaminant concentrations from both RW-1 and MW-20D was noted during the current sampling event. Analytical results indicate the levels of chlorinated hydrocarbons have changed little, or have increased slightly at the site since June 1999. Increased levels of vinyl chloride, a degradation by-product of chlorinated hydrocarbons, was detected in a number of wells during recent sampling events, indicating that degradation through natural processes is occurring. Current concentrations indicate little relative change since June 1999, with the exception of monitoring wells MW-20D and MW-23. Both vinyl chloride and benzene concentrations have shown a significant decrease in monitoring well MW-20D, with vinyl chloride no longer being detected. This reduction is probably attributable to the fact that RW-1 has been withdrawing between 9,000 and 12,000 gallons of water per day since a replacement well pump was re-installed in this well in August, 1999.

Based on the results of the recent bi-annual sampling event, Quantum recommends that operation of the groundwater remediation system continue. Quantum anticipates a continued reduction in contaminant levels throughout 2000 as the system continues to operate. The groundwater recovery rate has been augmented recently through a series of non-scheduled maintenance repairs, and the system treats a relatively large amount of groundwater each month (350,000-450,000 gal/month). The remediation system is performing well due in part to recent scheduled and non-scheduled maintenance activities. Granulated activated carbon was replaced in October 1999 and the system was successfully restarted. Quantum looks forward to an eventual close-out of this site, as reductions in groundwater contaminant levels show that cleanup of the site continues to occur. At present, two of the four recovery wells no longer indicate detectable concentrations of contaminants (RW-2 and RW-4). Recovery wells at the site were sampled in late August and early October 1999, and the results have been tabulated and included for review. Table 5 summarizes these results, and the laboratory analytical report is included in Appendix B.

To aid in the understanding of the site from a cleanup over time perspective, four representative monitoring wells were selected to indicate the reduction of contaminant concentrations over time and charts prepared. Charts for wells MW-13, MW-20D, MW-23 and MW-25 (Charts 1-4) were selected based on their relatively "high" initial contaminant levels, their location and the subsequent decrease in overall contaminant levels over the monitoring and remediation period 1993-2000. These wells each represent worst case past and present groundwater contaminant levels in relation to the 2L Standards. These charts provide useful information by indicating the approach to either asymptote or zero concentrations for individual and total contaminants in each of the four wells.

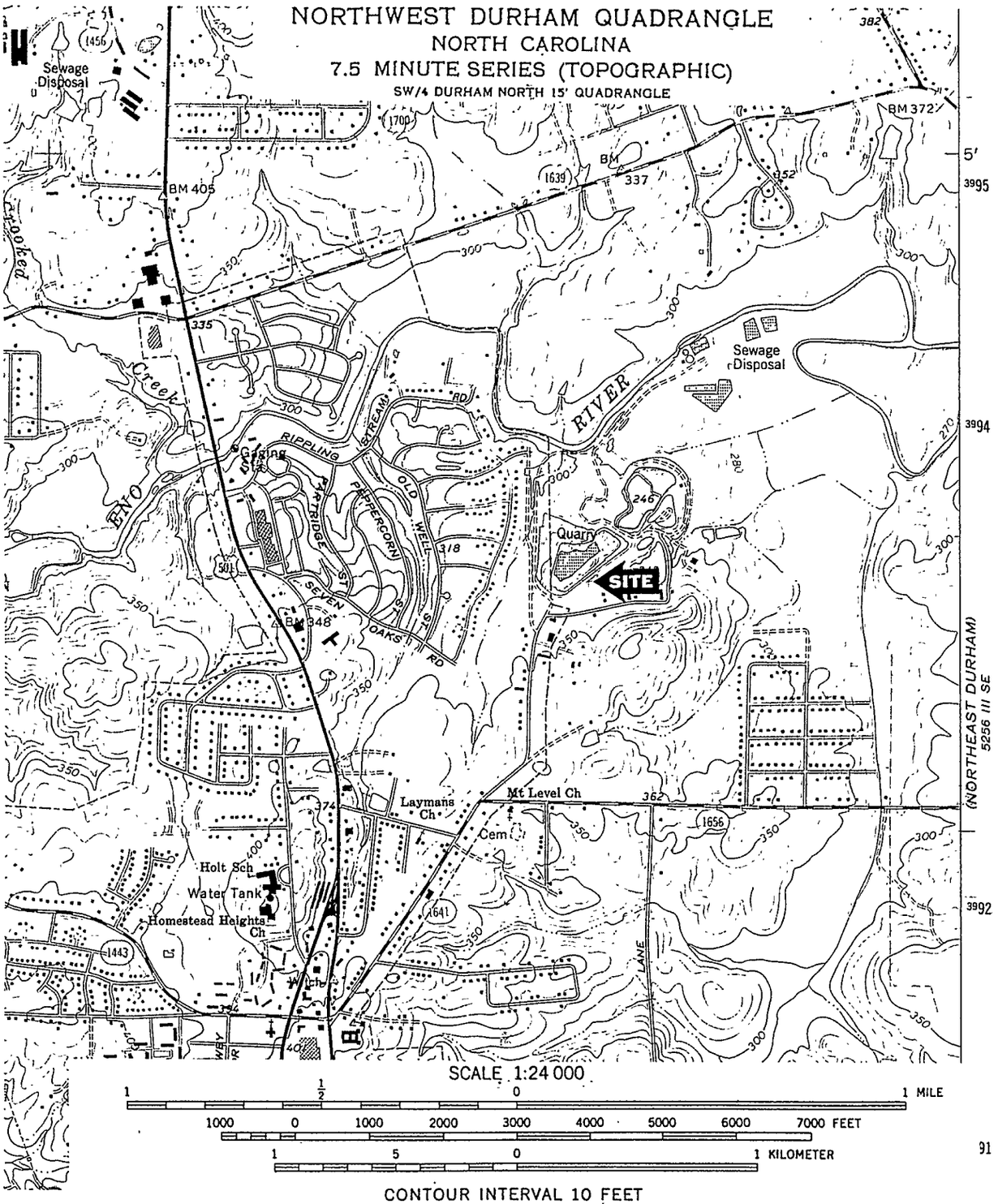
We believe that contaminant concentrations in Recovery Well RW-1 will soon reach non-detectable concentrations based on recent observations and a steady pumping rate. Recovery wells RW-3, 5, 6 and 7 are expected to take considerably longer as RW-3 has a limited pumping capacity (slow recharge), and RWs-5, 6 and 7 indicate that chlorinated hydrocarbon concentrations seem to be decreasing at a much slower rate. Quantum may seek more powerful replacement well pumps in

RW-5 and RW-6 in the near future to augment overall recovery rates in the chlorinated solvent plume area.

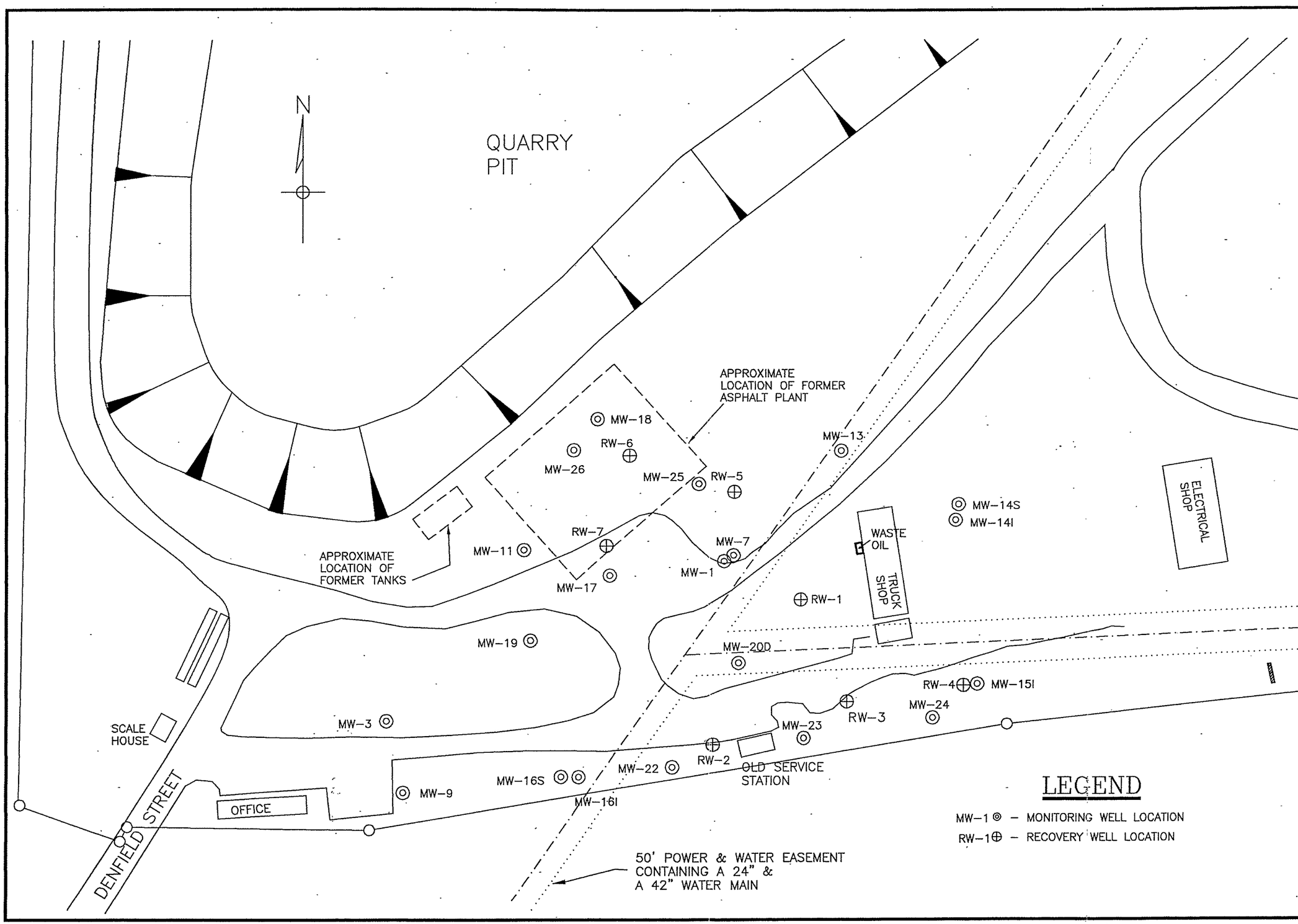
Based on the two sampling events from 1999 in comparison with previous years' data, Quantum recommends the removal of seven to eight groundwater monitoring wells from the required monitoring well sampling network. The majority of these wells have not shown any contaminants for some time, and several wells have not shown *any* detectable compounds in as much as five years or more. The following wells are recommended for removal from biannual sampling requirements: MW-1, MW-7, MW-11, MW-14I, MW-16S (dry well), MW-16I, MW-22 and MW-24. Monitoring well MW-7 showed a trace concentration of MTBE (5.1 ppb) during the December 1999 sampling event, and thus may not represent a good candidate for removal at this time. The following wells should constitute the *amended* monitoring well network: MW-23, MW-15I, MW-20D, MW-13, MW-25, MW-17, MW-18 and MW-26. Although Quantum recommends collecting groundwater elevation data from all existing wells; useful groundwater analytical data is only being produced by these eight monitoring wells. Quantum requests that the DENR-RRO contact us with its decision regarding this proposed revision in the well sampling requirements prior to the next sampling event (June, 2000).

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.

FIGURE 2

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WELL LOCATION MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
5-97		

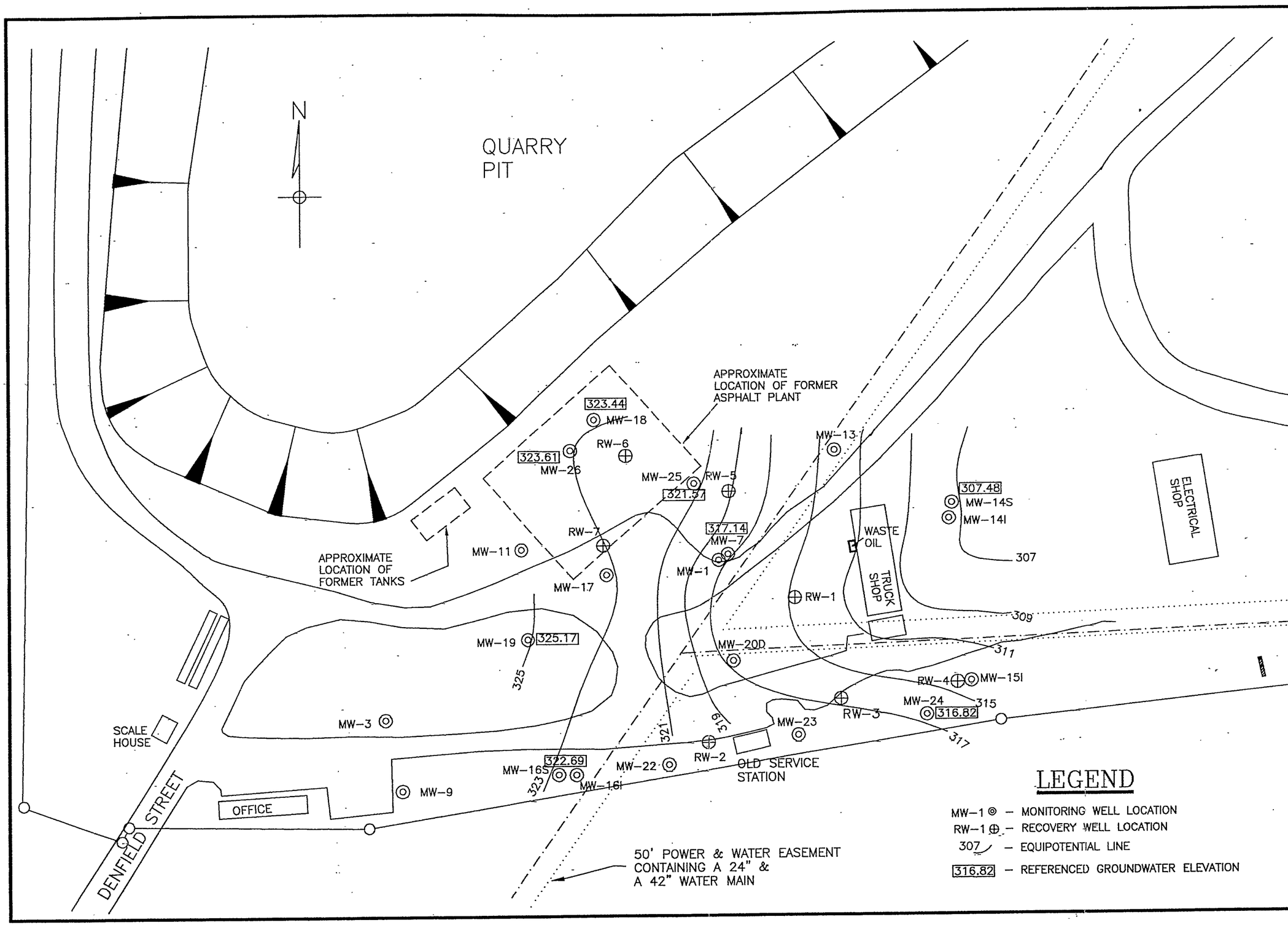

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FIGURE 3

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SHALLOW AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE
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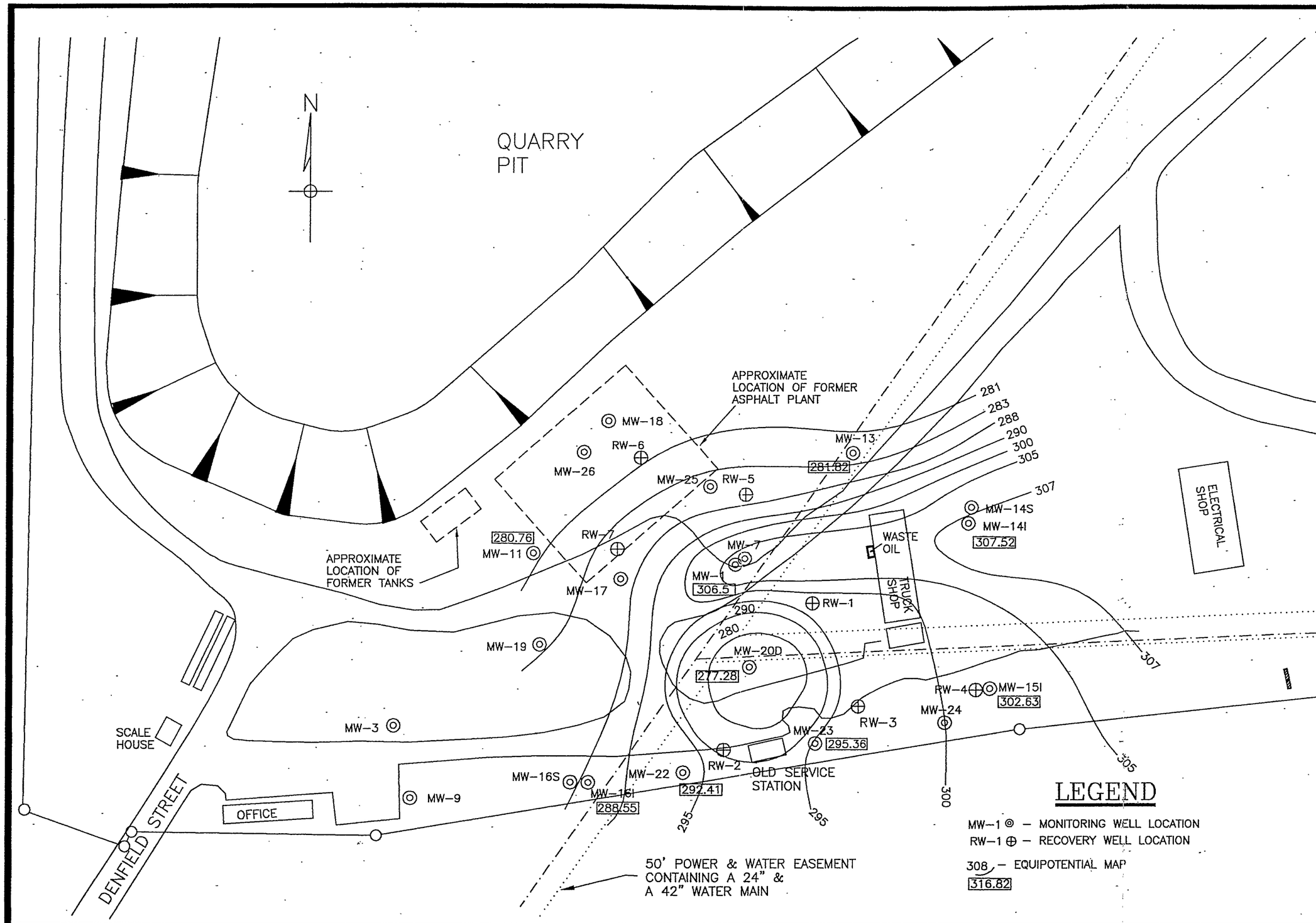

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FIGURE 4

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DEEP AQUIFER POTENTIOMETRIC MAP
NELLO L. TEER
DURHAM QUARRY

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

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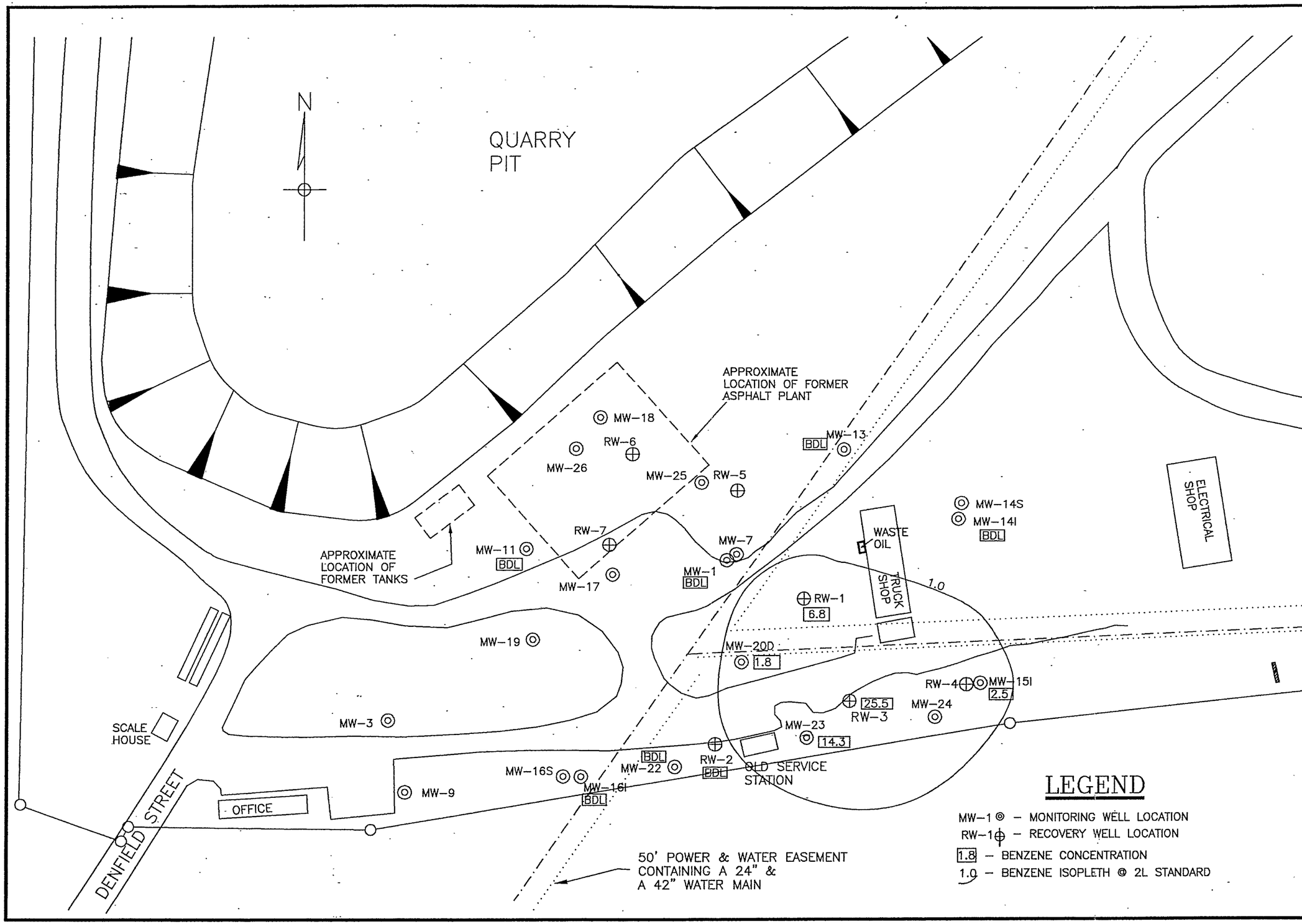

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FIGURE 5

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DEEP AQUIFER
BENZENE PLUME MAP
NELLO L. TEER
DURHAM QUARRY

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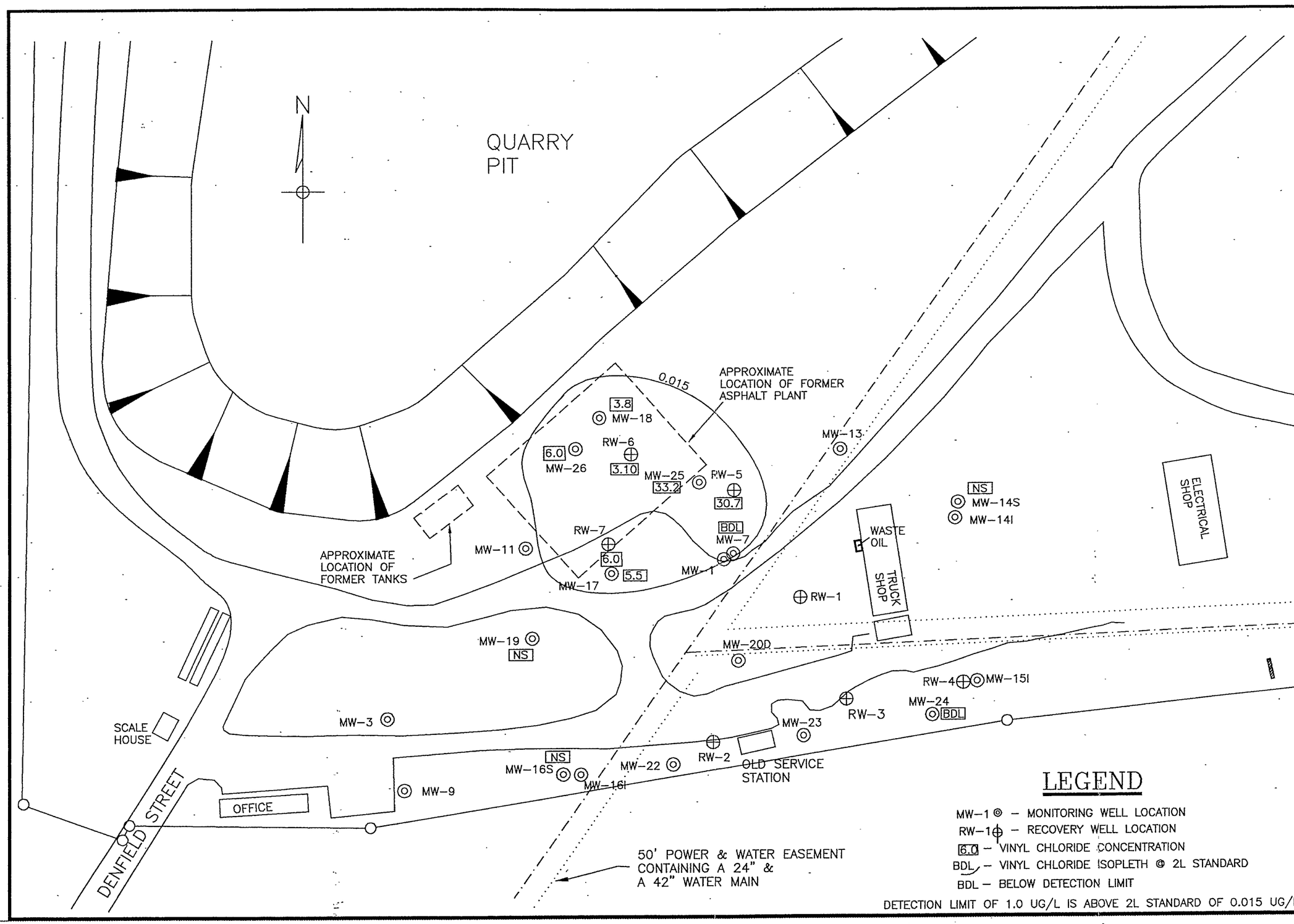

QUANTUM ENVIRONMENTAL, INC.

FIGURE 6

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SHALLOW AQUIFER
VINYL CHLORIDE PLUME
NELLO L. TEER
DURHAM QUARRY

Revisions

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0013-94-012

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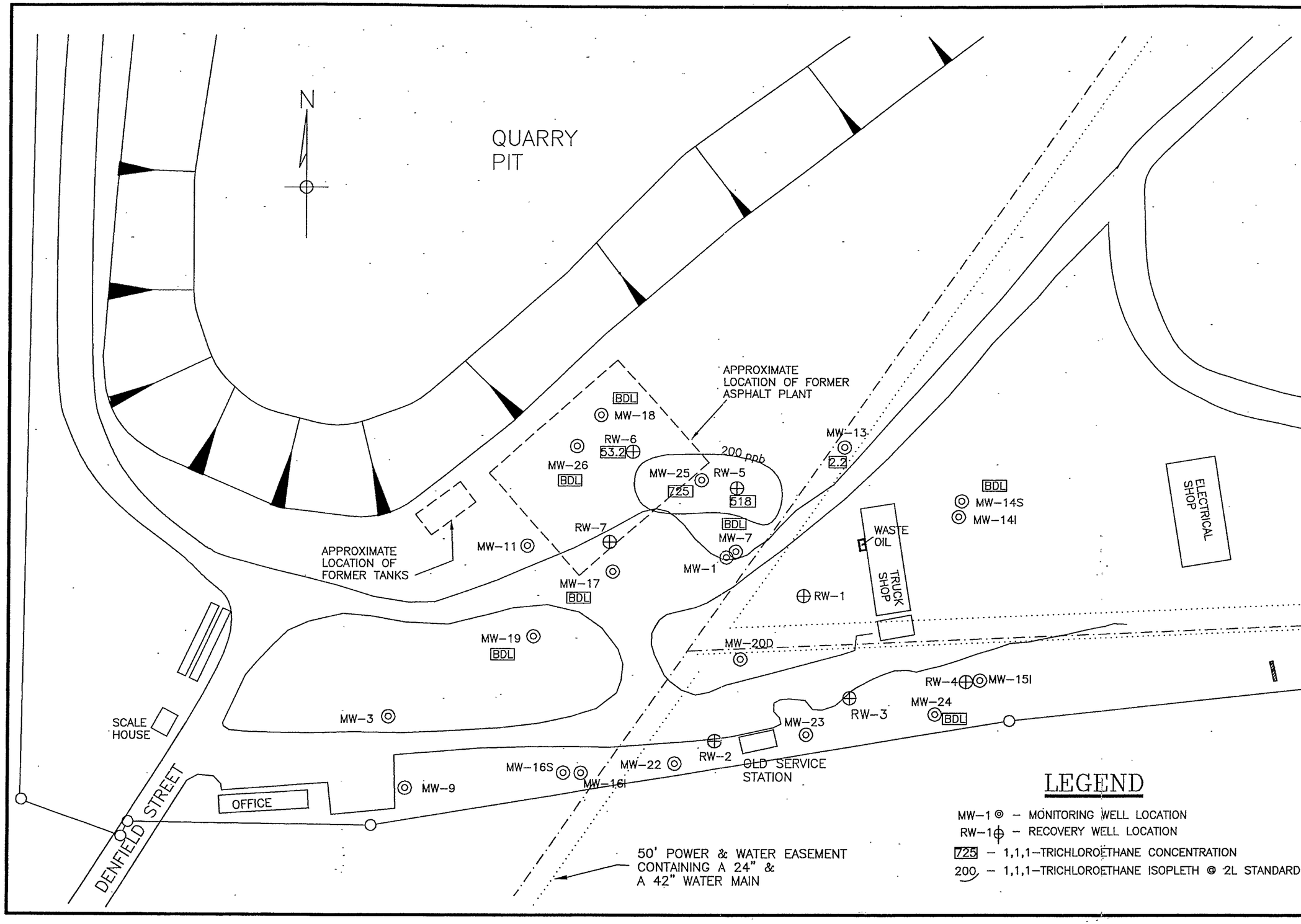

ENVIRONMENTAL, INC.

FIGURE 7

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

Revisions

Project No.
0013-94-012

SCALE: 1"= 110'

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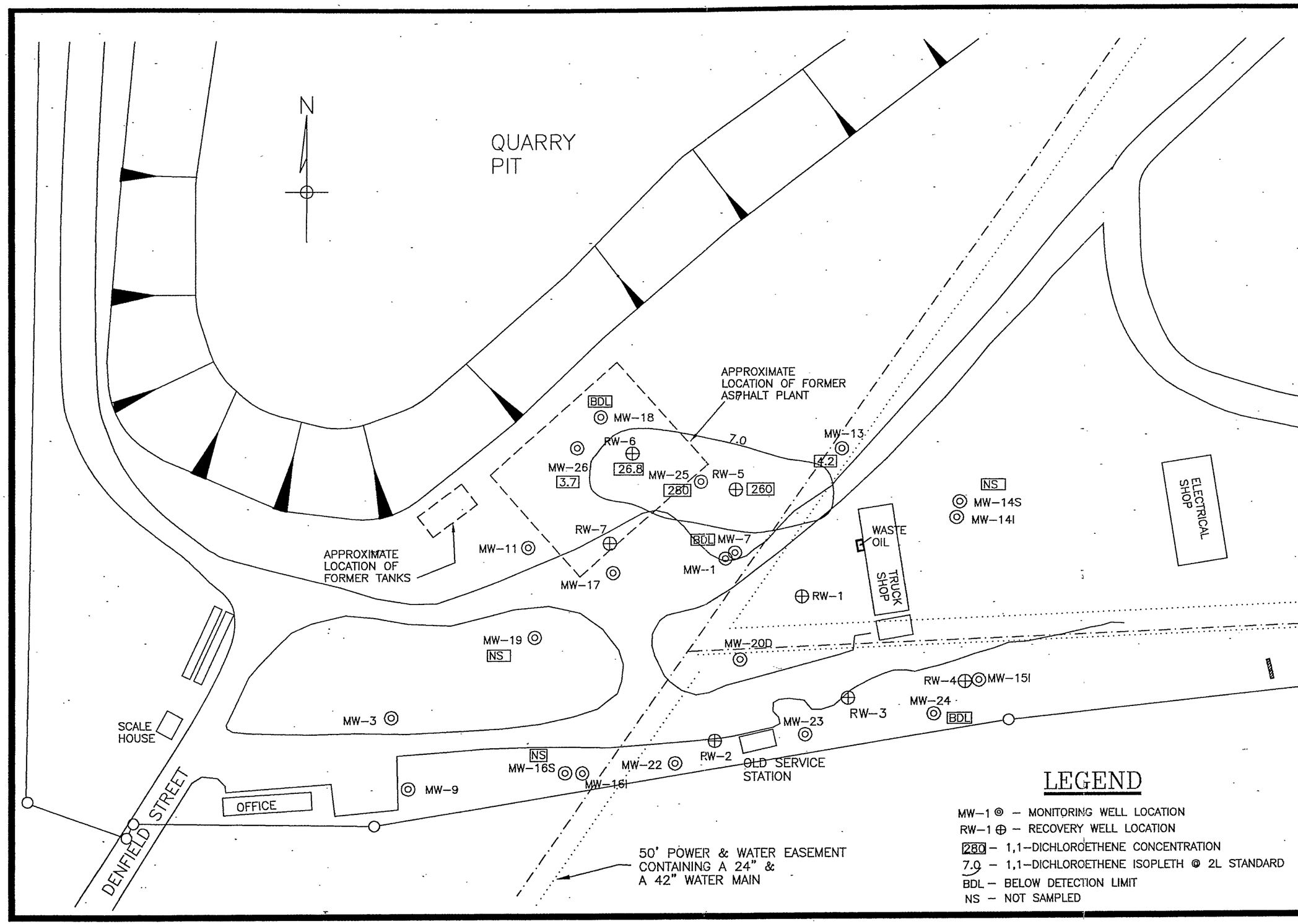

Quantum ENVIRONMENTAL, INC.

FIGURE 8

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

Revisions

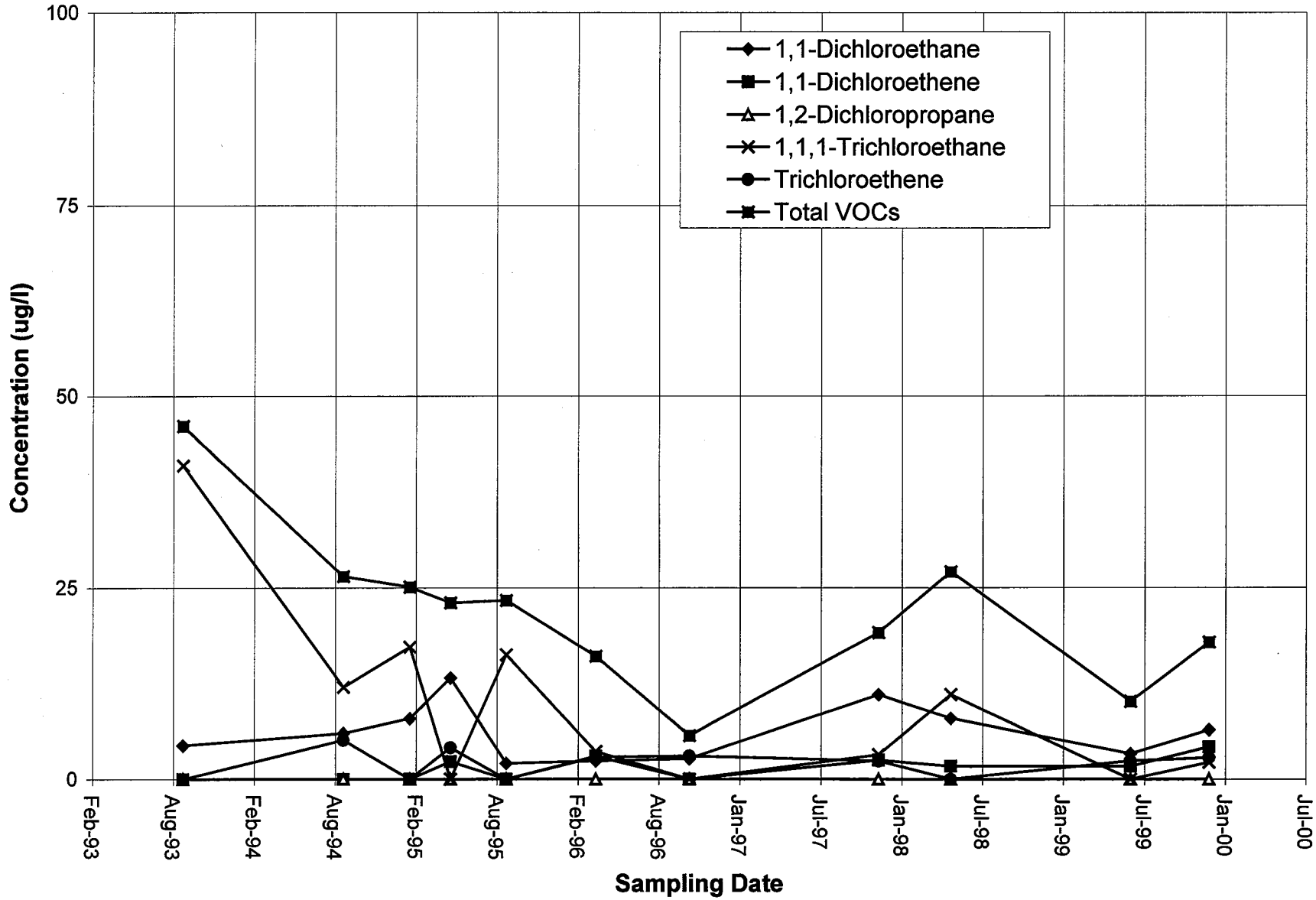
Project No.
0013-94-012

SCALE: 1"= 110'

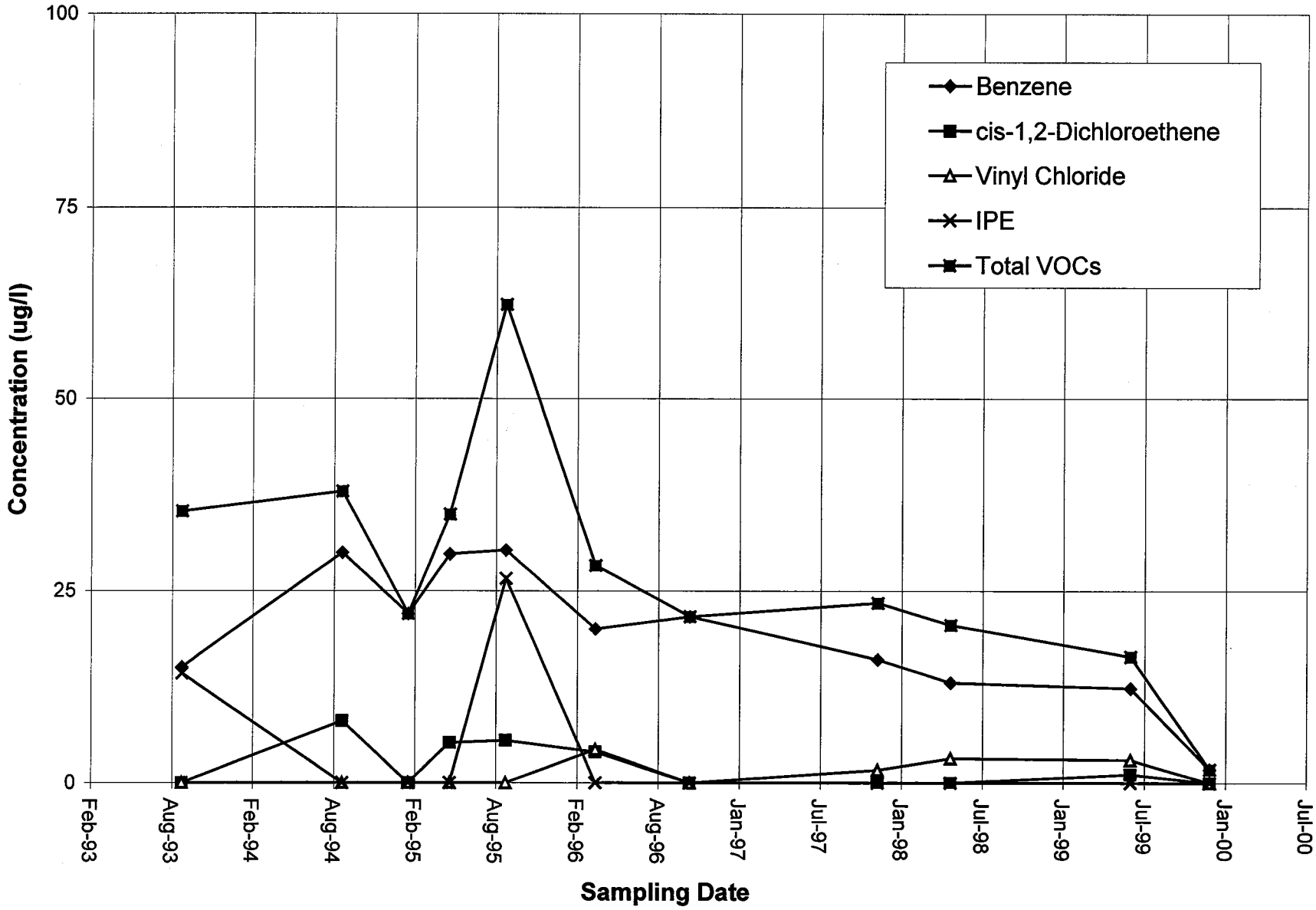
DWN / DATE	CHK / DATE	CLIENT APPROVAL / DATE
1 / 00		

Charts

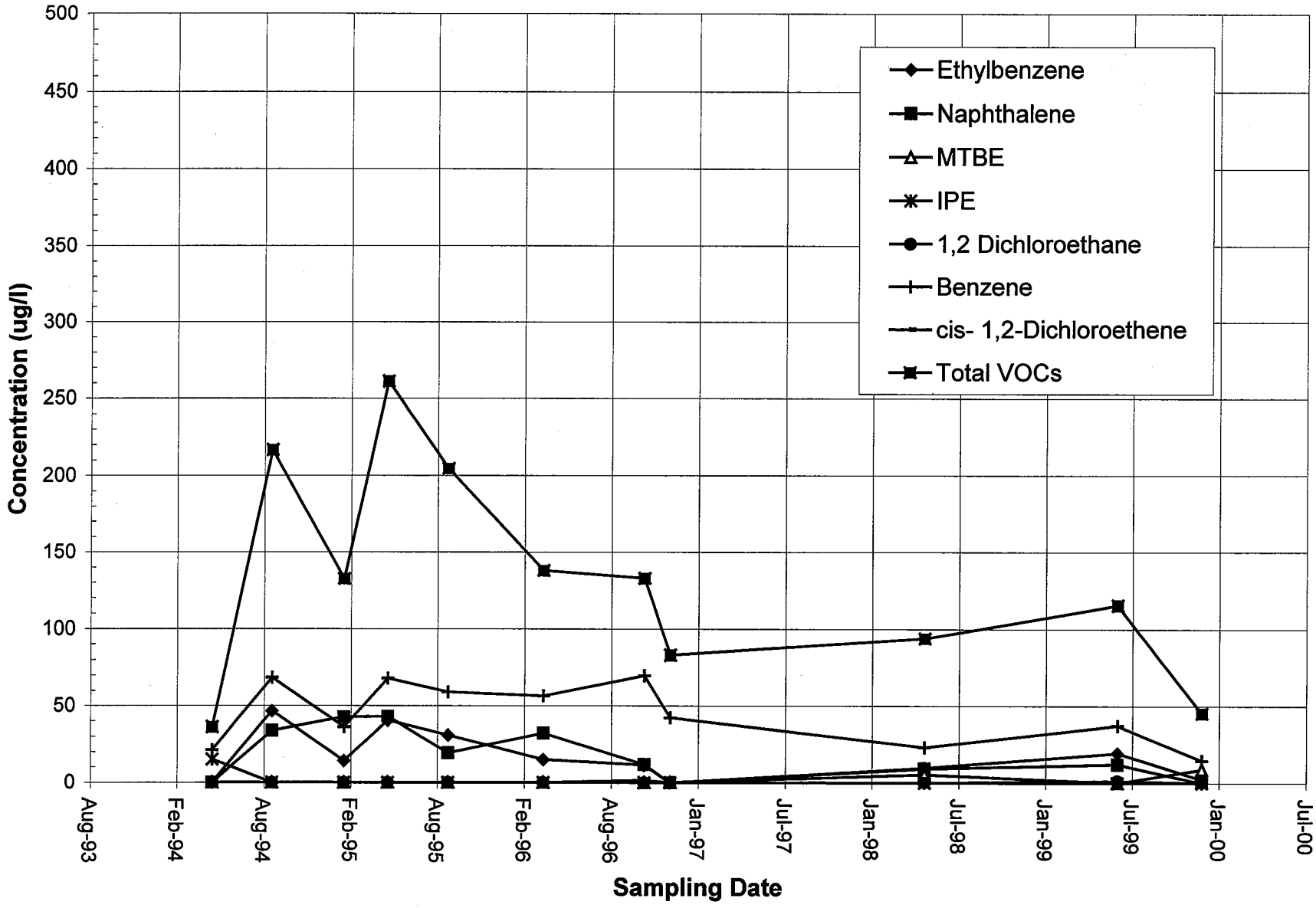
MW-13 Historic Ground Water Monitoring Results.



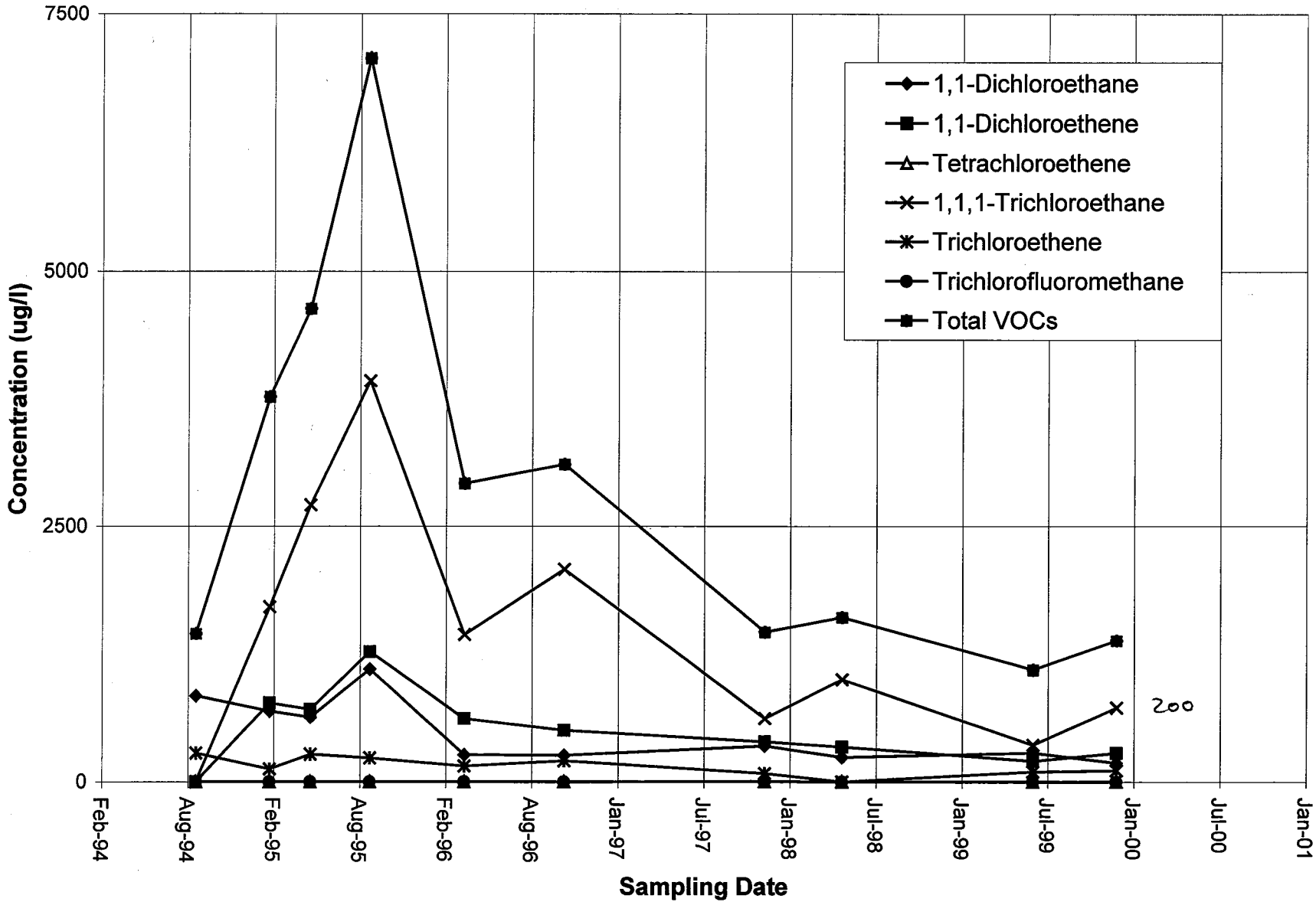
MW-20D Historic Groundwater Monitoring Results.



MW-23 Historic Groundwater Monitoring Results.



MW-25 Historic Groundwater Monitoring Results.



Tables

Tables

Table 1 **Well and Water Level Data**
December 1999 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	**23.00**	306.5	5
MW-3	337.32	15.0 - 62.0	**33.77**	303.55	0
MW-7	329.26	9.0 - 14.0	**12.12**	317.14	2
MW-9	333.65	25.0 - 40.0	**35.80**	297.85	0
MW-11	327.87	35.0 - 50.0	**47.11**	280.76	1
MW-13	326.48	50.0 - 65.0	**44.66**	281.82	10
MW-14S	327.09	5.0 - 20.0	**19.61**	307.48	0
MW-14I	327.13	34.0 - 49.0	**19.61**	307.52	6
MW-15I	329.53	25.0 - 40.0	**26.90**	302.63	.25
MW-16S	333.91	3.0 - 13.0	**11.22**	322.69	0 (dry)
MW-16I	330.8	46.0 - 61.0	**42.25**	288.55	9.25
MW-17	327.59	2.5 - 12.5	**4.03**	323.56	1.5 (dry)
MW-18	328.43	3.0 - 10.0	**4.99**	323.44	3
MW-19	331.96[e]	2.0 - 10.0	**6.79**	325.17	0
MW-20D	329.58	110.0 - 115.0	**52.30**	277.28	31
MW-22	334.19	30.0 - 60.0	**41.78**	292.41	8.75
MW-23	331.87	25.0 - 60.0	**36.51**	295.36	2
MW-24	337.56	16.0 -36.0	**20.74**	316.82	5.5
MW-25	328.92	4.0 - 14.0	**7.35**	321.57	2.5
MW-26	328.92	3.0 - 13.0	**5.31**	323.61	8.5

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 **Summary of Laboratory Analysis Results - Shallow Wells**
December 1999 Sampling Event
Teer Quarry, Denfield St., Durham, NC

Well Number	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	Naph-thalene	Chloro-form	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro ethene	Tri-chloro-ethene	1,1,1-Trichloro-ethane	1,1,2-Tri chloro-ethane	Tetra-chloro-ethene	1,1,2,2-Tetra-chloro-ethane	cis-1,2-Dichloro-ethylene	Vinyl chloride
MW-7	BDL	BDL	BDL	BDL	5.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-14S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.70**
MW-18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.80**
MW-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	185	**2.00**	**280.00**	**110.00**	**725.00**	**2.20**	**2.50**	**1.00a**	32.00	**33.20**
MW-26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.40	BDL	5.10	BDL	BDL	BDL	BDL	BDL	5.80	**6.00**
NCAC 2L Standard	1.00	1000.00	29.00	530.00	200.00	21.00	0.19	700.00	0.38	7.00	2.80	200.00	1.00	0.70	1.00	70.00	0.015

BDL Below Detection Limit
NS Not Sampled
a Any detectable concentration is a violation of the Standards
All results and Standards in µg/l
Analysis performed by TestAmerica.
Bold indicates exceeding Standards

Quantum Project No. 0013-94-012

Table 3 **Summary of Laboratory Analysis Results - Deep Wells**
December 1999 Sampling Event
Teer Quarry, Denfield St., Durham, NC

Well Number	Benzene	Toluene	Ethyl-Benzene	Xylenes	Naph-thalene	MTBE	Chloro-form	1,1 Dichloro-ethane	1,1 Dichloro ethene	Tri-chloro-ethene	1,1,1 Trichloro-ethane	cis-1,2-Dichloro-ethylene	Vinyl Chloride
MW-1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.40	4.20	2.80	2.20	2.20	BDL
MW-14I	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-15I	**2.50**	BDL	BDL	4.4	BDL	6.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-16I	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-20D	**1.80**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-23	**14.30**	1.90	2.30	18.00	BDL	8.80	BDL	BDL	BDL	BDL	BDL	BDL	BDL
RW-1	**6.80**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
RW-2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NCAC 2L Standard	1.00	1000.00	29.00	530.00	21.00	200.00	0.19	700.00	7.00	2.80	200.00	70.00	0.015

BDL Below Detection Limit
a Any detectable concentration is a violation of the Standards

All results and Standards in µg/l
Analysis performed by TestAmerica.
Bold indicates quantities exceed Standards

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-1

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

RW-2 (former MW-2)

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
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 1999
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 1999
Nello Teer Quarry Site

MW-7

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

MW-8

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-9

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

MW-11

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-12

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

MW-13

Constituent	Date											2L Standard
	9/9/1993 (1)	8/31/1994 (2)	1/26/1995(2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/3/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999 (4)	
Benzene	BDL	**3.10**	BDL	BDL	**1.13**	**3.40**	BDL	**1.00**	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	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	2.63	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	BDL	BDL	3.20	2.00	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	NA	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	
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	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	200.00
Trichloroethene	BDL	**5.10**	BDL	**4.10**	BDL	**2.90**	**3.02**	2.40	BDL	2.40	2.8	2.80
1,1-Dichloroethene	BDL	BDL	BDL	2.30	BDL	3.00	BDL	2.50	1.70	1.70	4.2	7.00
cis-,1,2-Dichloroethylene	BDL	3.40	BDL	3.40	2.48	4.10	BDL	BDL	BDL	2.70	2.2	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	**1.40**	BDL	BDL	**1.20**	BDL	BDL	0.02
Total CVOCs	4.40	14.50	7.90	23.00	57.33	21.00	5.69	18.60	10.80	10.10	17.80	
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 1999
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		21.00
MTBE	BDL	NA	NA	BDL	**507.00**	BDL	BDL	4.10	2.20		200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA		70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA		0.07
Total VOCs	0.00	0.00	0.00	0.00	507.00	0.00	3.27	4.10	2.20		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		0.02
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00		
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA		15.00

MW-14I

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-15S

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

MW-15I

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
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	
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00	
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	200.00	
EDB	BDL	NA	NA	NA	NA	NA	NA	70.00	
IPE	BDL	NA	NA	NA	NA	NA	NA	0.07	
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00	
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02	
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Lead	<0.05	NA	NA	NA	NA	NA	NA	15.00	

MW-16I

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-17

Constituent	Date											2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/13/96 (2)	10/9/96 (2)	12/2/1997 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
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	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	0.07
Total VOCs	0.00	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	700.00
Trichloroethene	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	70.00
Vinyl Chloride	**2.20**	**38.90**	**63.00**	BDL	**23.40**	**35.30**	**21.70**	BDL	**2.60**	**5.00**	**5.7**	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	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-18

Constituent	Date											2L Standard
	9/9/1993 (1)	8/30/1994 (2)	1/31/1995 (2)	4/27/1995 (2)	8/29/95 (2)	3/14/96 (2)	10/9/96 (2)	12/2/97 (3)	5/13/98 (3)	6/17/99 (4)	12/10/1999	
Benzene	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	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	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	70.00
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	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	
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	700.00
1,2-Dichloroethane	BDL	BDL	**27.00**	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	7.00
Trichloroethene	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	70.00
Vinyl Chloride	**10.90**	BDL	**50.00**	BDL	**58.90**	**16.30**	**10.90**	**8.10**	**2.30**	BDL	**3.80**	0.02
Chloroethane	BDL	BDL	**50.00**	BDL	**59.00**	**9.50**	BDL	**1.30**	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	
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 1999
Nello Teer Quarry Site

MW-19

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

MW-20S

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site

MW-20D

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

MW-22

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

MW-23

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

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
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)	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	336.00	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	2.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	70.00
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	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	
1,1-Dichloroethane	**840.00**	690.00	632.00	**1,100.00**	262.00	259.00	350.00	240.00	282.00	185.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.60	BDL	**7.50**	BDL	**1.30**	**2.00**	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**	7.00
Trichloroethene	**280.00**	**125.00**	**267.00**	**232.00**	**152.00**	**206.00**	**81.00**	BDL	**98.00**	**110.00**	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**	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	**3.70**	**6.60**	BDL	BDL	**2.20**	1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.20	BDL	BDL	BDL	2100.00
Tetracholorethene	BDL	BDL	BDL	BDL	BDL	BDL	**1.40**	BDL	BDL	**2.50**	0.70
cis-,1,2-Dichloroethylene	**330.00**	**470.00**	**319.00**	**429.00**	**164.00**	BDL	BDL	BDL	**151.00**	32.00	70.00
Vinyl Chloride	BDL	BDL	BDL	**126.00**	**85.60**	**48.90**	BDL	**30.00**	BDL	**33.20**	0.02
Chloroethane	BDL	BDL	BDL	BDL	BDL	**8.74**	**4.30**	BDL	BDL	8.20	2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	**192.00**	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
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	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA		15.00

Table 4. Historical Ground Water Laboratory Analytical Data - thru December 1999
Nello Teer Quarry Site
MW-26

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

Table 5: Nello Teer Recovery Well Analytical Results

RW-1

Constituent	Date	2L Standard
	8/29/99	
Benzene	**6.80**	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
1,1 Dichloroethene	BDL	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	MDL
Phenanthrene	BDL	210.00
Lead	NA	15.00

RW-2 (formerly MW-2)

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

Nello Teer Recovery Well Analytical Results

RW-3

Constituent	Date	2L Standard
	8/29/99	
Benzene	**25.50**	1.00
Toluene	21.50	1000.00
Ethylbenzene	22.50	29.00
Xylenes	270.00	530.00
Naphthalene	11.00	21.00
MTBE	11.50	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	362.00	
1,1-Dichloroethane	BDL	700.00
1,1 Dichloroethene	BDL	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
1-Methylnaphthalene	**44.00**	MDL (5 ppb)
2-Methylnaphthalene	**38.00**	28.00
Phenanthrene	12.00	210.00
Lead	NA	15.00

RW-4

Constituent	Date	2L Standard
	8/29/99	
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
1,1 Dichloroethene	BDL	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	BDL	0.02
Total CVOCs	0.00	
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	MDL
Phenanthrene	BDL	210.00
Lead	NA	15.00

Nello Teer Recovery Well Analytical Results

RW-5

Constituent	Date	2L Standard
	8/29/99	
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	202.00	700.00
1,1 Dichloroethene	**260.00**	7.00
Trichloroethene	**67.20**	2.80
1,1,1 Trichloroethane	**518.00**	200.00
cis-,1,2-Dichloroethylene	**93.60**	70.00
Chloroethane	7.00	2800.00
Vinyl Chloride	**30.70**	0.02
Total CVOCs	1178.50	MDL
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	MDL
Phenanthrene	BDL	210.00
Lead	NA	15.00

RW-6

Constituent	Date	2L Standard
	10/4/99	
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	14.70	700.00
1,1 Dichloroethene	**26.80**	7.00
Trichloroethene	**10.90**	2.80
1,1,1 Trichloroethane	53.20	200.00
cis-,1,2-Dichloroethene	6.80	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	**3.10**	0.02
Total CVOCs	115.50	
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	2800.00
Phenanthrene	BDL	210.00
Lead	NA	15.00

Nello Teer Recovery Well Analytical Results

RW-7

Constituent	Date	2L Standard
	10/4/99	
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	10.00	700.00
1,1 Dichloroethene	1.60	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	BDL	200.00
cis-,1,2-Dichloroethylene	3.80	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	**6.00**	0.02
Total CVOCs	21.40	
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	2800.00
Phenanthrene	BDL	210.00
Lead	NA	15.00

NA = Not Analyzed
BDL = Below Detection Limit
MDL = Method Detection Limit
Bold indicates exceedence of NCAC 2L Groundwater Standards
Wells sampled on August 29 and October 4, 1999
All samples analyzed by TestAmerica for ELS

Table 6: Nello Teer Influent/Effluent Sample Results

Influent

Constituent	Date	2L Standard
	12/17/99	
Benzene	**2.00**	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	1.00	530.00
Naphthalene	BDL	21.00
MTBE	1.90	200.00
EDB	BDL	70.00
IPE	BDL	0.07
Total VOCs	4.90	
1,1-Dichloroethane	9.40	700.00
1,1 Dichloroethene	6.60	7.00
Trichloroethene	BDL	2.80
1,1,1 Trichloroethane	9.90	200.00
cis-,1,2-Dichloroethylene	4.60	70.00
Chloroethane	BDL	MDL
Vinyl Chloride	B	0.02
Total CVOCs	30.50	
1-Methylnaphthalene	BDL	MDL
2-Methylnaphthalene	BDL	2800.00
Phenanthrene	BDL	210.00
Lead	NA	15.00

Effluent

Constituent	Constituent	Date	2L Standard
		12/17/99	
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
1,1 Dichloroethene		BDL	7.00
Trichloroethene		BDL	2.80
1,1,1 Trichloroethane		BDL	200.00
cis-,1,2-Dichloroethylene		BDL	70.00
Chloroethane		BDL	MDL
Vinyl Chloride		BDL	0.02
Total CVOCs		0.00	
1-Methylnaphthalene		BDL	MDL
2-Methylnaphthalene		BDL	2800.00
Phenanthrene		BDL	210.00
Lead		NA	15.00

Appendices

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.
2200 GATEWAY BLVD., SUITE 205

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. # 001394012
CLIENT JOB NUMBER:

PROJECT #: 992987
RECEIVED: 12/10/99

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 173909 CLIENT SAMPLE ID: MW-16I				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/13/99	EPA 601-602	387 (NC)
SAMPLE #: 173910 CLIENT SAMPLE ID: MW-22				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/13/99	EPA 601-602	387 (NC)
SAMPLE #: 173911 CLIENT SAMPLE ID: MW-23				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173912 CLIENT SAMPLE ID: MW-24				**DATE SAMPLED: 12/10/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/13/99	EPA 601-602	387 (NC)
SAMPLE #: 173913 CLIENT SAMPLE ID: MW-15I				**DATE SAMPLED: 12/10/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/13/99	EPA 601-602	387 (NC)
SAMPLE #: 173914 CLIENT SAMPLE ID: MW-14I				**DATE SAMPLED: 12/10/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. # 001394012
CLIENT JOB NUMBER:

PROJECT #: 992987
RECEIVED: 12/10/99

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 173914 CLIENT SAMPLE ID: MW-14I				**DATE SAMPLED: 12/10/99**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/13/99	EPA 601-602	387 (NC)
SAMPLE #: 173915 CLIENT SAMPLE ID: MW-13				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173916 CLIENT SAMPLE ID: MW-7				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173917 CLIENT SAMPLE ID: MW-1				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173918 CLIENT SAMPLE ID: MW-25				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/19/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173919 CLIENT SAMPLE ID: MW-17				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/20/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. # 001394012
CLIENT JOB NUMBER:

PROJECT #: 992987
RECEIVED: 12/10/99

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 173920 CLIENT SAMPLE ID: MW-11				**DATE SAMPLED: 12/09/99**	
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173921 CLIENT SAMPLE ID: MW-26				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/20/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173922 CLIENT SAMPLE ID: MW-18				**DATE SAMPLED: 12/09/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/20/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)
SAMPLE #: 173923 CLIENT SAMPLE ID: MW-20D				**DATE SAMPLED: 12/10/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/20/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/14/99	EPA 601-602	387 (NC)

(for) Douglas W. Mendrala
Laboratory Director

12/23/99
Date

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

Environmental
LABORATORY SERVICES

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188749

Sample ID: MW-15I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 9:45

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	10:38	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	2.5	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820
m,p-Xylenes	4.4	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188749

Sample ID: MW-15I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 9:45

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/13/99	22:15	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	601	6820
MTBE	6.1	ug/l	1.0	1.0	1	12/13/99	22:15	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/13/99	22:15	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188749

Sample ID: MW-15I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 9:45

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	95.	50. - 150.
Hall Surr., 2-chloropropane	98.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	111.	59. - 117.
PAH Surrogate	48.	10. - 116.

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Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188750

Sample ID: MW-14I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	11:16	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820

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

Lab Number: 99-A188750

Sample ID: MW-14I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/13/99	22:55	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/13/99	22:55	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/13/99	22:55	T McCollum	602	6820

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TONY D'AMICO
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Lab Number: 99-A188750

Sample ID: MW-14I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:15

Project Name:

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Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	97.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	109.	59. - 117.
PAH Surrogate	55.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188750

Sample ID: MW-14I

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188751

Sample ID: MW-13

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	11:53	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188751

Sample ID: MW-13

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,1-Dichloroethane	6.4	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,1-Dichloroethene	4.2	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
cis-1,2-Dichloroethene	2.2	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	1:42	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,1,1-Trichloroethane	2.2	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Trichloroethene	2.9	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	1:42	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	1:42	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188751

Sample ID: MW-13

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	101.	59. - 117.
PAH Surrogate	53.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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Nashville, Tennessee 37204

ANALYTICAL REPORT

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TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188751

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Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188752

Sample ID: MW-7

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	12:30	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188752

Sample ID: MW-7

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	2:23	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	601	6820
MTBE	5.1	ug/l	1.0	1.0	1	12/14/99	2:23	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	2:23	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188752

Sample ID: MW-7

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	99.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	106.	59. - 117.
PAH Surrogate	59.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188752

Sample ID: MW-7

Date Collected: 12/ 9/99

Project: C013-94-012

Time Collected: 15:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188753

Sample ID: MW-1

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:35

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Acenapthene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Anthracene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Fluorene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Pyrene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Chrysene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.6	5.0	1	12/19/99	13:07	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188753

Sample ID: MW-1

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:35

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	3:05	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	3:05	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	3:05	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188753

Sample ID: MW-1

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:35

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	900. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	102.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	110.	59. - 117.
PAH Surrogate	66.	10. - 116.

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Nashville, Tennessee 37204

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Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188754

Sample ID: MW-25

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	13:44	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188754

Sample ID: MW-25

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Chloroethane	8.2	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Vinyl chloride	33.2	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
1,1-Dichloroethane	185.	ug/l	50.0	1.0	50	12/14/99	19:39	T McCollum	601	6820
1,2-Dichloroethane	2.0	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
1,1-Dichloroethene	280.	ug/l	50.0	1.0	50	12/14/99	19:39	T McCollum	601	6820
cis-1,2-Dichloroethene	32.0	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	3:46	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	1.9	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Tetrachloroethene	2.5	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
1,1,1-Trichloroethane	725.	ug/l	50.0	1.0	50	12/14/99	19:39	T McCollum	601	6820
1,1,2-Trichloroethane	2.2	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
Trichloroethene	110.	ug/l	50.0	1.0	50	12/14/99	19:39	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	3:46	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	3:46	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188754

Sample ID: MW-25

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	950. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	102.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	95.	59. - 117.
PAH Surrogate	54.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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Nashville, Tennessee 37204

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7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188754

Sample ID: MW-25

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 15:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188755

Sample ID: MW-17

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:05

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Acenapthene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Anthracene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Fluoranthene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Fluorene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Pyrene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Benzo(a)anthracene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Benzo(a)pyrene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Benzo(b)fluoranthene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Benzo(k)fluoranthene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Chrysene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Dibenzo(a,h)anthracene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Acenapthylene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Benzo(g,h,i)perylene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
1-Methylnapthalene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
2-Methylnapthalene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
Phenanthrene	ND	ug/l	5.9	5.0	1	12/20/99	0:00	M.Goodrich	610	331
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188755

Sample ID: MW-17

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:05

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Vinyl chloride	5.7	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,1-Dichloroethane	7.3	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	17:35	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	17:35	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	17:35	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188755

Sample ID: MW-17

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:05

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	850. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	100.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	93.	59. - 117.
PAH Surrogate	56.	10. - 116.

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Nashville, Tennessee 37204

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Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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2960 Foster Creighton Drive
Nashville, Tennessee 37204

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

Lab Number: 99-A188756

Sample ID: MW-11

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188756

Sample ID: MW-11

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	5:10	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	5:10	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	5:10	T McCollum	602	6820

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	93.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	102.	59. - 117.

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7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188756

Sample ID: MW-11

Date Collected: 12/ 9/99

Project: 0013-94-012

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Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

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

Lab Number: 99-A188757

Sample ID: MW-26

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:25

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Acenapthene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Anthracene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Fluorene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Pyrene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Chrysene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Acenapthylene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
Phenanthrene	ND	ug/l	5.0	5.0	1	12/20/99	0:36	M.Goodrich	610	331
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
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ELS: ENVIRONMENTAL LAB-SERVICE 2307
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188757

Sample ID: MW-26

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:25

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Vinyl chloride	6.0	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,1-Dichloroethane	2.4	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,1-Dichloroethene	3.7	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
cis-1,2-Dichloroethene	3.8	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	5:51	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	5:51	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	5:51	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188757

Sample ID: MW-26

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:25

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	960. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	95.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	107.	59. - 117.
PAH Surrogate	54.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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Nashville, Tennessee 37204

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

Lab Number: 99-A188757

Sample ID: MW-26

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:25

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

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

Lab Number: 99-A188758

Sample ID: MW-18

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:30

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Acenapthene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Fluorene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Chrysene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Acenapthylene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
Phenanthrene	ND	ug/l	5.0	5.0	1	12/20/99	1:12	M.Goodrich	610	331
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188758

Sample ID: MW-18

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:30

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Vinyl chloride	3.8	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,1-Dichloroethane	1.4	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	10:37	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	10:37	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	10:37	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188758

Sample ID: MW-18

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:30

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	960. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	97.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	106.	59. - 117.
PAH Surrogate	62.	10. - 116.

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Nashville, Tennessee 37204

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Lab Number: 99-A188758

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Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

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

Lab Number: 99-A188759

Sample ID: MW-20D

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 11:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Acenapthene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Fluorene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Chrysene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Acenapthylene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
Phenanthrene	ND	ug/l	5.0	5.0	1	12/20/99	1:49	M.Goodrich	610	331
VOLATILE ORGANICS by GC										
Benzene	1.8	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820

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Nashville, Tennessee 37204

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

Lab Number: 99-A188759

Sample ID: MW-20D

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 11:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	11:19	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/14/99	11:19	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	11:19	T McCollum	602	6820

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2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188759

Sample ID: MW-20D

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 11:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	105.	59. - 117.
PAH Surrogate	62.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188759

Sample ID: MW-20D

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 11:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	< 0.005	0.060	0.100	60	51. - 122.	324
Naphthalene	mg/l	< 0.005	0.074	0.100	74	51. - 122.	331
Acenapthene	mg/l	< 0.005	0.083	0.100	83	58. - 123.	324
Acenapthene	mg/l	< 0.005	0.072	0.100	72	58. - 123.	331
Anthracene	mg/l	< 0.005	0.089	0.100	89	49. - 137.	324
Anthracene	mg/l	< 0.005	0.081	0.100	81	49. - 137.	331
Fluoranthene	mg/l	< 0.005	0.101	0.100	101	66. - 125.	324
Fluoranthene	mg/l	< 0.005	0.083	0.100	83	66. - 125.	331
Fluorene	mg/l	< 0.005	0.088	0.100	88	62. - 128.	324
Fluorene	mg/l	< 0.005	0.108	0.100	108	62. - 128.	331
Pyrene	mg/l	< 0.005	0.096	0.100	96	61. - 129.	324
Pyrene	mg/l	< 0.005	0.084	0.100	84	61. - 129.	331
Benzo(a)anthracene	mg/l	< 0.005	0.098	0.100	98	51. - 131.	324
Benzo(a)anthracene	mg/l	< 0.005	0.083	0.100	83	51. - 131.	331
Benzo(a)pyrene	mg/l	< 0.005	0.105	0.100	105	61. - 128.	324
Benzo(a)pyrene	mg/l	< 0.005	0.089	0.100	89	61. - 128.	331
Benzo(b)fluoranthene	mg/l	< 0.005	0.080	0.100	80	50. - 136.	324
Benzo(b)fluoranthene	mg/l	< 0.005	0.069	0.100	69	50. - 136.	331
Benzo(k)fluoranthene	mg/l	< 0.005	0.102	0.100	102	63. - 136.	324
Benzo(k)fluoranthene	mg/l	< 0.005	0.131	0.100	131	63. - 136.	331
Chrysene	mg/l	< 0.005	0.099	0.100	99	43. - 148.	324
Chrysene	mg/l	< 0.005	0.115	0.100	115	43. - 148.	331
Dibenzo(a,h)anthracene	mg/l	< 0.005	0.114	0.100	114	45. - 135.	324
Dibenzo(a,h)anthracene	mg/l	< 0.005	0.082	0.100	82	45. - 135.	331
Indeno(1,2,3-cd)pyrene	mg/l	< 0.005	0.109	0.100	109	39. - 139.	324
Indeno(1,2,3-cd)pyrene	mg/l	< 0.005	0.084	0.100	84	39. - 139.	331
Acenapthylene	mg/l	< 0.005	0.080	0.100	80	57. - 122.	324
Acenapthylene	mg/l	< 0.005	0.075	0.100	75	57. - 122.	331
Benzo(g,h,i)perylene	mg/l	< 0.005	0.104	0.100	104	40. - 140.	324
Benzo(g,h,i)perylene	mg/l	< 0.005	0.083	0.100	83	40. - 140.	331
1-Methylnapthalene	mg/l	< 0.005	0.063	0.100	63#	65. - 110.	324
1-Methylnapthalene	mg/l	< 0.005	0.073	0.100	73	65. - 110.	331
2-Methylnapthalene	mg/l	< 0.005	0.066	0.100	66	65. - 110.	324
2-Methylnapthalene	mg/l	< 0.005	0.064	0.100	64#	65. - 110.	331
Phenanthrene	mg/l	< 0.005	0.096	0.100	96	53. - 135.	324
Phenanthrene	mg/l	< 0.005	0.085	0.100	85	53. - 135.	331
Benzene	mg/l	< 0.0010	0.0192	0.0200	96	76. - 122.	6820
Benzene	mg/l	< 0.0010	0.0205	0.0200	102	76. - 122.	6820
Ethylbenzene	mg/l	< 0.0010	0.0195	0.0200	98	76. - 125.	6820
Ethylbenzene	mg/l	< 0.0010	0.0208	0.0200	104	76. - 125.	6820
Toluene	mg/l	< 0.0010	0.0195	0.0200	98	74. - 127.	6820

PROJECT QUALITY CONTROL DATA

Toluene	mg/l	< 0.0010	0.0210	0.0200	105	74. - 127.	6820
m,p-Xylenes	mg/l	< 0.0010	0.0390	0.0400	98	75. - 133.	6820
m,p-Xylenes	mg/l	< 0.0010	0.0418	0.0400	104	75. - 133.	6820
o-Xylene	mg/l	< 0.0010	0.0195	0.0200	98	74. - 126.	6820
o-Xylene	mg/l	< 0.0010	0.0206	0.0200	103	74. - 126.	6820
2-Chloroethylvinylether	mg/l	< 0.0010	0.0214	0.0200	107	77. - 123.	6820
2-Chloroethylvinylether	mg/l	< 0.0010	0.0220	0.0200	110	77. - 123.	6820
cis-1,2-Dichloroethene	mg/l	< 0.0010	0.0205	0.0200	102	76. - 123.	6820
cis-1,2-Dichloroethene	mg/l	< 0.0010	0.0211	0.0200	106	76. - 123.	6820
Tetrachloroethene	mg/l	< 0.0010	0.0192	0.0200	96	69. - 127.	6820
Tetrachloroethene	mg/l	< 0.0010	0.0190	0.0200	95	69. - 127.	6820
Trichloroethene	mg/l	< 0.0010	0.0213	0.0200	106	67. - 129.	6820
Trichloroethene	mg/l	< 0.0010	0.0221	0.0200	110	67. - 129.	6820
MTBE	mg/l	< 0.0010	0.0173	0.0200	86	67. - 130.	6820
MTBE	mg/l	< 0.0010	0.0185	0.0200	92	67. - 130.	6820
IPE	mg/l	< 0.0100	0.0197	0.0200	98	40. - 158.	6820
IPE	mg/l	< 0.0100	0.0197	0.0200	98	40. - 158.	6820

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Naphthalene	mg/l	0.100	0.066	66	10 - 122	324
Naphthalene	mg/l	0.100	0.081	81	10 - 122	331
Acenapthene	mg/l	0.100	0.085	85	10 - 124	324
Acenapthene	mg/l	0.100	0.083	83	10 - 124	331
Anthracene	mg/l	0.100	0.086	86	10 - 126	324
Anthracene	mg/l	0.100	0.085	85	10 - 126	331
Fluoranthene	mg/l	0.100	0.102	102	14 - 123	324
Fluoranthene	mg/l	0.100	0.087	87	14 - 123	331
Fluorene	mg/l	0.100	0.093	93	10 - 142	324
Fluorene	mg/l	0.100	0.121	121	10 - 142	331
Pyrene	mg/l	0.100	0.096	96	10 - 140	324
Pyrene	mg/l	0.100	0.091	91	10 - 140	331
Benzo(a)anthracene	mg/l	0.100	0.098	98	12 - 135	324
Benzo(a)anthracene	mg/l	0.100	0.090	90	12 - 135	331
Benzo(a)pyrene	mg/l	0.100	0.104	104	10 - 128	324
Benzo(a)pyrene	mg/l	0.100	0.094	94	10 - 128	331
Benzo(b)fluoranthene	mg/l	0.100	0.079	79	6 - 150	324
Benzo(b)fluoranthene	mg/l	0.100	0.073	73	6 - 150	331
Benzo(k)fluoranthene	mg/l	0.100	0.097	97	10 - 159	324
Benzo(k)fluoranthene	mg/l	0.100	0.144	144	10 - 159	331
Chrysene	mg/l	0.100	0.101	101	10 - 199	324
Chrysene	mg/l	0.100	0.126	126	10 - 199	331
Dibenzo(a,h)anthracene	mg/l	0.100	0.110	110	10 - 110	324
Dibenzo(a,h)anthracene	mg/l	0.100	0.088	88	10 - 110	331

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Indeno(1,2,3-cd)pyrene	mg/l	0.100	0.108	108	10 - 116	324
Indeno(1,2,3-cd)pyrene	mg/l	0.100	0.089	89	10 - 116	331
Acenapthylene	mg/l	0.100	0.082	82	10 - 139	324
Acenapthylene	mg/l	0.100	0.081	81	10 - 139	331
Benzo(g,h,i)perylene	mg/l	0.100	0.102	102	10 - 116	324
Benzo(g,h,i)perylene	mg/l	0.100	0.086	86	10 - 116	331
1-Methylnapthalene	mg/l	0.100	0.067	67	60 - 140	324
1-Methylnapthalene	mg/l	0.100	0.083	83	60 - 140	331
2-Methylnapthalene	mg/l	0.100	0.068	68	60 - 140	324
2-Methylnapthalene	mg/l	0.100	0.074	74	60 - 140	331
Phenanthrene	mg/l	0.100	0.086	86	10 - 155	324
Phenanthrene	mg/l	0.100	0.094	94	10 - 155	331
Benzene	mg/l	0.0200	0.0201	100	77 - 123	6820
Benzene	mg/l	0.0200	0.0202	101	77 - 123	6820
Chlorobenzene	mg/l	0.0200	0.0204	102	81 - 120	6820
Chlorobenzene	mg/l	0.0200	0.0204	102	81 - 120	6820
1,2-Dichlorobenzene	mg/l	0.0200	0.0219	110	68 - 132	6820
1,2-Dichlorobenzene	mg/l	0.0200	0.0220	110	68 - 132	6820
1,3-Dichlorobenzene	mg/l	0.0200	0.0228	114	73 - 128	6820
1,3-Dichlorobenzene	mg/l	0.0200	0.0218	109	73 - 128	6820
1,4-Dichlorobenzene	mg/l	0.0200	0.0200	100	70 - 131	6820
1,4-Dichlorobenzene	mg/l	0.0200	0.0202	101	70 - 131	6820
Ethylbenzene	mg/l	0.0200	0.0206	103	63 - 137	6820
Ethylbenzene	mg/l	0.0200	0.0206	103	63 - 137	6820
Toluene	mg/l	0.0200	0.0205	102	78 - 123	6820
Toluene	mg/l	0.0200	0.0206	103	78 - 123	6820
m,p-Xylenes	mg/l	0.0400	0.0412	103	70 - 130	6820
m,p-Xylenes	mg/l	0.0400	0.0413	103	70 - 130	6820
o-Xylene	mg/l	0.0200	0.0204	102	70 - 130	6820
o-Xylene	mg/l	0.0200	0.0203	102	70 - 130	6820
Bromodichloromethane	mg/l	0.0200	0.0227	114	76 - 123	6820
Bromodichloromethane	mg/l	0.0200	0.0214	107	76 - 123	6820
Bromoform	mg/l	0.0200	0.0208	104	74 - 127	6820
Bromoform	mg/l	0.0200	0.0234	117	74 - 127	6820
Bromomethane	mg/l	0.0200	0.0240	120	59 - 142	6820
Bromomethane	mg/l	0.0200	0.0238	119	59 - 142	6820
Carbon tetrachloride	mg/l	0.0200	0.0206	103	68 - 132	6820
Carbon tetrachloride	mg/l	0.0200	0.0203	102	68 - 132	6820
Chloroethane	mg/l	0.0200	0.0227	114	77 - 123	6820
Chloroethane	mg/l	0.0200	0.0238	119	77 - 123	6820
2-Chloroethylvinylether	mg/l	0.0200	0.0215	108	70 - 130	6820

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
2-Chloroethylvinylether	mg/l	0.0200	0.0210	105	70 - 130	6820
Chloroform	mg/l	0.0200	0.0210	105	75 - 125	6820
Chloroform	mg/l	0.0200	0.0212	106	75 - 125	6820
Chloromethane	mg/l	0.0200	0.0242	121	60 - 141	6820
Chloromethane	mg/l	0.0200	0.0233	116	60 - 141	6820
Dibromochloromethane	mg/l	0.0200	0.0200	100	66 - 134	6820
Dibromochloromethane	mg/l	0.0200	0.0216	108	66 - 134	6820
Ethylene Dibromide	mg/l	0.0200	0.0196	98	70 - 130	6820
Ethylene Dibromide	mg/l	0.0200	0.0217	108	70 - 130	6820
Vinyl chloride	mg/l	0.0200	0.0233	116	70 - 130	6820
Vinyl chloride	mg/l	0.0200	0.0232	116	70 - 130	6820
Dichlorodifluoromethane	mg/l	0.0200	0.0245	122	70 - 130	6820
Dichlorodifluoromethane	mg/l	0.0200	0.0238	119	70 - 130	6820
1,1-Dichloroethane	mg/l	0.0200	0.0235	118 #	84 - 116	6820
1,1-Dichloroethane	mg/l	0.0200	0.0232	116	84 - 116	6820
1,2-Dichloroethane	mg/l	0.0200	0.0215	108	72 - 129	6820
1,2-Dichloroethane	mg/l	0.0200	0.0217	108	72 - 129	6820
1,1-Dichloroethene	mg/l	0.0200	0.0230	115	63 - 137	6820
1,1-Dichloroethene	mg/l	0.0200	0.0225	112	63 - 137	6820
cis-1,2-Dichloroethene	mg/l	0.0200	0.0220	110	70 - 130	6820
cis-1,2-Dichloroethene	mg/l	0.0200	0.0217	108	70 - 130	6820
trans-1,2-Dichloroethene	mg/l	0.0200	0.0225	112	64 - 136	6820
trans-1,2-Dichloroethene	mg/l	0.0200	0.0222	111	64 - 136	6820
1,2-Dichloropropane	mg/l	0.0200	0.0215	108	74 - 126	6820
1,2-Dichloropropane	mg/l	0.0200	0.0210	105	74 - 126	6820
cis-1,3-Dichloropropene	mg/l	0.0200	0.0213	106	64 - 136	6820
cis-1,3-Dichloropropene	mg/l	0.0200	0.0209	104	64 - 136	6820
trans-1,3-Dichloropropene	mg/l	0.0200	0.0212	106	70 - 130	6820
trans-1,3-Dichloropropene	mg/l	0.0200	0.0211	106	70 - 130	6820
Methylene chloride	mg/l	0.0200	0.0252	126 #	78 - 123	6820
Methylene chloride	mg/l	0.0200	0.0242	121	78 - 123	6820
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0198	99	49 - 151	6820
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0198	99	49 - 151	6820
Tetrachloroethene	mg/l	0.0200	0.0195	98	70 - 130	6820
Tetrachloroethene	mg/l	0.0200	0.0193	96	70 - 130	6820
1,1,1-Trichloroethane	mg/l	0.0200	0.0210	105	71 - 129	6820
1,1,1-Trichloroethane	mg/l	0.0200	0.0208	104	71 - 129	6820
1,1,2-Trichloroethane	mg/l	0.0200	0.0193	96	79 - 122	6820
1,1,2-Trichloroethane	mg/l	0.0200	0.0191	96	79 - 122	6820
Trichloroethene	mg/l	0.0200	0.0216	108	77 - 123	6820
Trichloroethene	mg/l	0.0200	0.0218	109	77 - 123	6820

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Trichlorofluoromethane	mg/l	0.0200	0.0237	118	67 - 134	6820
Trichlorofluoromethane	mg/l	0.0200	0.0229	114	67 - 134	6820
MTBE	mg/l	0.0200	0.0182	91	70 - 130	6820
MTBE	mg/l	0.0200	0.0186	93	70 - 130	6820
IPE	mg/l	0.0200	0.0197	98	70 - 130	6820
IPE	mg/l	0.0200	0.0197	98	70 - 130	6820

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Naphthalene	< 0.005	mg/l	324
Naphthalene	< 0.005	mg/l	331
Acenapthene	< 0.005	mg/l	324
Acenapthene	< 0.005	mg/l	331
Anthracene	< 0.005	mg/l	324
Anthracene	< 0.005	mg/l	331
Fluoranthene	< 0.005	mg/l	324
Fluoranthene	< 0.005	mg/l	331
Fluorene	< 0.005	mg/l	324
Fluorene	< 0.005	mg/l	331
Pyrene	< 0.005	mg/l	324
Pyrene	< 0.005	mg/l	331
Benzo(a)anthracene	< 0.005	mg/l	324
Benzo(a)anthracene	< 0.005	mg/l	331
Benzo(a)pyrene	< 0.005	mg/l	324
Benzo(a)pyrene	< 0.005	mg/l	331
Benzo(b)fluoranthene	< 0.005	mg/l	324
Benzo(b)fluoranthene	< 0.005	mg/l	331
Benzo(k)fluoranthene	< 0.005	mg/l	324
Benzo(k)fluoranthene	< 0.005	mg/l	331
Chrysene	< 0.005	mg/l	324
Chrysene	< 0.005	mg/l	331
Dibenzo(a,h)anthracene	< 0.005	mg/l	324
Dibenzo(a,h)anthracene	< 0.005	mg/l	331
Indeno(1,2,3-cd)pyrene	< 0.005	mg/l	324
Indeno(1,2,3-cd)pyrene	< 0.005	mg/l	331
Acenapthylene	< 0.005	mg/l	324
Acenapthylene	< 0.005	mg/l	331
Benzo(g,h,i)perylene	< 0.005	mg/l	324
Benzo(g,h,i)perylene	< 0.005	mg/l	331

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
1-Methylnapthalene	< 0.005	mg/l	324
1-Methylnapthalene	< 0.005	mg/l	331
2-Methylnapthalene	< 0.005	mg/l	324
2-Methylnapthalene	< 0.005	mg/l	331
Phenanthrene	< 0.005	mg/l	324
Phenanthrene	< 0.005	mg/l	331
Benzene	< 0.0010	mg/l	6820
Chlorobenzene	< 0.0010	mg/l	6820
1,2-Dichlorobenzene	< 0.0010	mg/l	6820
1,3-Dichlorobenzene	< 0.0010	mg/l	6820
1,4-Dichlorobenzene	< 0.0010	mg/l	6820
Ethylbenzene	< 0.0010	mg/l	6820
Toluene	< 0.0010	mg/l	6820
m,p-Xylenes	< 0.0010	mg/l	6820
o-Xylene	< 0.0010	mg/l	6820
Bromodichloromethane	< 0.0010	mg/l	6820
Bromoform	< 0.0010	mg/l	6820
Bromomethane	< 0.0010	mg/l	6820
Carbon tetrachloride	< 0.0010	mg/l	6820
Chloroethane	< 0.0010	mg/l	6820
2-Chloroethylvinylether	< 0.0010	mg/l	6820
Chloroform	< 0.0010	mg/l	6820
Chloromethane	< 0.0010	mg/l	6820
Dibromochloromethane	< 0.0010	mg/l	6820
Ethylene Dibromide	< 0.0010	mg/l	6820
Vinyl chloride	< 0.0010	mg/l	6820
Dichlorodifluoromethane	< 0.0010	mg/l	6820
1,1-Dichloroethane	< 0.0010	mg/l	6820
1,2-Dichloroethane	< 0.0010	mg/l	6820
1,1-Dichloroethene	< 0.0010	mg/l	6820
cis-1,2-Dichloroethene	< 0.0010	mg/l	6820
trans-1,2-Dichloroethene	< 0.0010	mg/l	6820
1,2-Dichloropropane	< 0.0010	mg/l	6820
cis-1,3-Dichloropropene	< 0.0010	mg/l	6820
trans-1,3-Dichloropropene	< 0.0010	mg/l	6820
Methylene chloride	< 0.0050	mg/l	6820
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	6820
Tetrachloroethene	< 0.0010	mg/l	6820
1,1,1-Trichloroethane	< 0.0010	mg/l	6820
1,1,2-Trichloroethane	< 0.0010	mg/l	6820
Trichloroethene	< 0.0010	mg/l	6820

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Trichlorofluoromethane	< 0.0010	mg/l	6820
MTBE	< 0.0010	mg/l	6820
IPE	< 0.0100	mg/l	6820

End of Report for Project 172123

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188745

Sample ID: MW-16I

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	8:12	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188745

Sample ID: MW-16I

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/13/99	19:28	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/13/99	19:28	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/13/99	19:28	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188745

Sample ID: MW-16I

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:40

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	96.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	104.	59. - 117.
PAH Surrogate	53.	10. - 116.

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TONY D'AMICO
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Lab Number: 99-A188745

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Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188746

Sample ID: MW-22

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	8:48	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188746

Sample ID: MW-22

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/13/99	20:10	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/13/99	20:10	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/13/99	20:10	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188746

Sample ID: MW-22

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	96.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	110.	59. - 117.
PAH Surrogate	52.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
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Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188746

Sample ID: MW-22

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:50

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188747

Sample ID: MW-23

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
1-Methylnapthalene	4.0	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	9:25	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	14.3	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602/601	6820
Ethylbenzene	2.3	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820
Toluene	1.9	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820
m,p-Xylenes	14.6	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820
o-Xylene	3.4	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188747

Sample ID: MW-23

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/14/99	18:16	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	601	6820
MTBE	8.8	ug/l	1.0	1.0	1	12/14/99	18:16	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/14/99	18:16	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
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
TONY D'AMICO
7820 CASWELL STREET
N. SYRACUSE, NY 13212

Lab Number: 99-A188747

Sample ID: MW-23

Date Collected: 12/ 9/99

Project: 0013-94-012

Time Collected: 16:15

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	105.	50. - 150.
Hall Surr., 2-chloropropane	98.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	96.	59. - 117.
PAH Surrogate	58.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

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TONY D'AMICO
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Lab Number: 99-A188747

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Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

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: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188748

Sample ID: MW-24

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:00

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Acenapthene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Fluorene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Chrysene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Acenapthylene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
1-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
2-Methylnapthalene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
Phenanthrene	ND	ug/l	5.0	5.0	1	12/19/99	10:02	J.Shelton	610	324
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602/601	6820
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602/601	6820
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602/601	6820
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602/601	6820
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820
Toluene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820
o-Xylene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188748

Sample ID: MW-24

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:00

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Bromoform	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Bromomethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Chloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Chloroform	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Chloromethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Methylene chloride	ND	ug/l	5.0	5.0	1	12/13/99	21:33	T McCollum	601	6820
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Trichloroethene	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	601	6820
MTBE	ND	ug/l	1.0	1.0	1	12/13/99	21:33	T McCollum	602	6820
IPE	ND	ug/l	5.0	5.0	1	12/13/99	21:33	T McCollum	602	6820

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188748

Sample ID: MW-24

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:00

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

PAH's analyzed by GC/MS.

ND - Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/16/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	102.	50. - 150.
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	100.	59. - 117.
PAH Surrogate	56.	10. - 116.

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

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

Lab Number: 99-A188748

Sample ID: MW-24

Date Collected: 12/10/99

Project: 0013-94-012

Time Collected: 10:00

Project Name:

Date Received: 12/11/99

Sampler: CHARLES ROSS

Time Received: 9:00

State Certification: 387

Sample Type: Water

Site I.D.:

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 12/20/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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*
- *Massachusett*
- *New Hampshire*
- *New Jersey*
- *New York*
- *Pennsylvania*
- *Rhode Island*

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 992102
RECEIVED: 08/30/99

SITE ADDRESS: NELLO TEER

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 169519 CLIENT SAMPLE ID: RW-1				**DATE SAMPLED:**	**08/29/99**
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 169520 CLIENT SAMPLE ID: RW-2				**DATE SAMPLED:**	**08/29/99**
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 169521 CLIENT SAMPLE ID: RW-3				**DATE SAMPLED:**	**08/29/99**
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 169522 CLIENT SAMPLE ID: RW-4				**DATE SAMPLED:**	**08/29/99**
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 169523 CLIENT SAMPLE ID: RW-5				**DATE SAMPLED:**	**08/29/99**
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER: 001394012

PROJECT #: 992102
RECEIVED: 08/30/99

SITE ADDRESS: NELLO TEER

Douglas W. Mendrala
Laboratory Director

09/10/99
Date

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

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 99-0668
Project Name: NELLO TEER
Sampler:

Lab Number: 99-A133099
Sample ID: RW-1
Sample Type: Water
Site ID:

Date Collected: 8/29/99
Time Collected: 10:00
Date Received: 8/31/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Acenapthene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Anthracene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Fluorene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Pyrene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Benzo(a)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Benzo(a)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Chrysene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Acenapthylene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
1-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
2-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
Phenanthrene	ND	ug/l	5.	5.	1	9/ 4/99	16:58	J.Gott	610	6686
VOLATILE ORGANICS by GC										
Benzene	6.8	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
Chlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602/601	6009
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602/601	6009
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602/601	6009
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602/601	6009
Ethylbenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
Toluene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
m,p-Xylenes	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
o-Xylene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
Bromodichloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Bromoform	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Bromomethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Chloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009

COPY 1

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

ANALYTICAL REPORT

Laboratory Number: 99-A133099
Sample ID: RW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Chloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Dibromochloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Vinyl chloride	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Methylene chloride	ND	ug/l	5.0	5.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Tetrachloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Trichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	601	6009
MTBE	ND	ug/l	1.0	1.0	1	9/ 2/99	3:43	M.Hinelick	602	6009
IPE	ND	ug/l	5.0	5.0	1	9/ 2/99	3:43	M.Hinelick	602	6009

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol.	Date	Analyst	Method
PAH's	990. ml	1.00 ml	8/31/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	99.	50. - 150.
Hall Surr., 2-chloropropane	91.	49. - 123.
Hall Surr., chloroprene	93.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	74.	59. - 117.
PAH Surrogate	58.	10. - 116.

COPY 1

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A133099
Sample ID: RW-1

Report Approved By: Michael A Dunn Report Date: 9/ 7/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 99-0668
Project Name: NELLO TEER
Sampler:

Lab Number: 99-A133100
Sample ID: RW-2
Sample Type: Water
Site ID:

Date Collected: 8/29/99
Time Collected: 10:00
Date Received: 8/31/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Rvan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Acenapthene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Fluorene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Benzo(a)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Benzo(a)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Chrysene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Acenapthylene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
1-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
2-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
Phenanthrene	ND	ug/l	5.	5.	1	9/ 4/99	0:08	J.Gott	610	6686
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
Chlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602/601	6009
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602/601	6009
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602/601	6009
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602/601	6009
Ethylbenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
Toluene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
m,p-Xylenes	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
o-Xylene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
Bromodichloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Bromoform	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Bromomethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Chloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009

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

ANALYTICAL REPORT

Laboratory Number: 99-A133100
Sample ID: RW-2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Chloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Dibromochloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Vinyl chloride	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Methylene chloride	ND	ug/l	5.0	5.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Tetrachloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Trichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	601	6009
MTBE	ND	ug/l	1.0	1.0	1	9/ 2/99	4:24	M.Hinelick	602	6009
IPE	ND	ug/l	5.0	5.0	1	9/ 2/99	4:24	M.Hinelick	602	6009

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	980. ml	1.00 ml	8/31/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	95.	50. - 150.
Hall Surr., 2-chloropropane	92.	49. - 123.
Hall Surr., chloroprene	92.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	76.	59. - 117.
PAH Surrogate	57.	10. - 116.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A133100
Sample ID: RW-2

Report Approved By: _____ Report Date: 9/ 7/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 99-0668
Project Name: NELLO TEER
Sampler:

Lab Number: 99-A133101
Sample ID: RW-3
Sample Type: Water
Site ID:

Date Collected: 8/29/99
Time Collected: 10:00
Date Received: 8/31/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	11.	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Acenapthene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Fluorene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Benzo(a)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Benzo(a)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Chrysene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Acenapthylene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
1-Methylnapthalene	44.	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
2-Methylnapthalene	38.	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
Phenanthrene	12.	ug/l	5.	5.	1	9/ 4/99	0:44	J.Gott	610	6686
VOLATILE ORGANICS by GC										
Benzene	25.5	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
Chlorobenzene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602/601	6009
1,2-Dichlorobenzene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602/601	6009
1,3-Dichlorobenzene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602/601	6009
1,4-Dichlorobenzene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602/601	6009
Ethylbenzene	22.5	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
Toluene	21.5	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
m,p-Xylenes	173.	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
o-Xylene	97.0	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
Bromodichloromethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Bromoform	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Bromomethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Carbon tetrachloride	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Chloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
2-Chloroethylvinylether	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009

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

ANALYTICAL REPORT

Laboratory Number: 99-A133101
Sample ID: RW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Chloromethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Dibromochloromethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Ethylene Dibromide	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Vinyl chloride	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,1-Dichloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,2-Dichloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,1-Dichloroethene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
cis-1,2-Dichloroethene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
trans-1,2-Dichloroethene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,2-Dichloropropane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Methylene chloride	ND	ug/l	25.0	5.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Tetrachloroethene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,1,1-Trichloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
1,1,2-Trichloroethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Trichloroethene	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
Trichlorofluoromethane	ND	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	601	6009
MTBE	11.5	ug/l	5.0	1.0	5	9/ 2/99	5:05	M.Hinelick	602	6009
IPE	ND	ug/l	25.0	5.0	5	9/ 2/99	5:05	M.Hinelick	602	6009

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol.	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	8/31/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	97.	50. - 150.
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	93.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	84.	59. - 117.
PAH Surrogate	67.	10. - 116.

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

ANALYTICAL REPORT

Laboratory Number: 99-A133101
Sample ID: RW-3

Report Approved By: Michael A. Dunn Report Date: 9/ 7/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 99-0668
Project Name: NELLO TEER
Sampler:

Lab Number: 99-A133102
Sample ID: RW-4
Sample Type: Water
Site ID:

Date Collected: 8/29/99
Time Collected: 10:00
Date Received: 8/31/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Napathalene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Acenapthene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Anthracene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Fluorene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Pyrene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Benzo(a)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Benzo(a)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Chrysene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Acenapthylene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
1-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
2-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
Phenanthrene	ND	ug/l	5.	5.	1	9/ 4/99	2:31	J.Gott	610	6686
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
Chlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602/601	6009
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602/601	6009
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602/601	6009
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602/601	6009
Ethylbenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
Toluene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
m,p-Xylenes	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
o-Xylene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
Bromodichloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Bromoform	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Bromomethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Chloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009

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

ANALYTICAL REPORT

Laboratory Number: 99-A133102
Sample ID: RW-4

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Chloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Dibromochloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Vinyl chloride	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Methylene chloride	ND	ug/l	5.0	5.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Tetrachloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Trichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	601	6009
MTBE	ND	ug/l	1.0	1.0	1	9/ 2/99	5:46	M.Hinelick	602	6009
IPE	ND	ug/l	5.0	5.0	1	9/ 2/99	5:46	M.Hinelick	602	6009

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	8/31/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
FID Surr., a,a,a-trifluorotoluene	94.	50. - 150.
Hall Surr., 2-chloropropane	93.	49. - 123.
Hall Surr., chloroprene	93.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	78.	59. - 117.
PAH Surrogate	55.	10. - 116.

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

ANALYTICAL REPORT

Laboratory Number: 99-A133102
Sample ID: RW-4

Report Approved By: Michael A Dunn Report Date: 9/ 7/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 99-0668
Project Name: NELLO TEER
Sampler:

Lab Number: 99-A133103
Sample ID: RW-5
Sample Type: Water
Site ID:

Date Collected: 8/29/99
Time Collected: 10:00
Date Received: 8/31/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Acenapthene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Anthracene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Fluorene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Pyrene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Benzo(a)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Benzo(a)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Chrysene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Acenapthylene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
1-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
2-Methylnapthalene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
Phenanthrene	ND	ug/l	5.	5.	1	9/ 4/99	3:06	J.Gott	610	6686
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
Chlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602/601	6009
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602/601	6009
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602/601	6009
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602/601	6009
Ethylbenzene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
Toluene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
m,p-Xylenes	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
o-Xylene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
Bromodichloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Bromoform	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Bromomethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Chloroethane	7.0	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009

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

ANALYTICAL REPORT

Laboratory Number: 99-A133103
Sample ID: RW-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Chloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Dibromochloromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Vinyl chloride	30.7	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
1,1-Dichloroethane	202.	ug/l	20.0	1.0	20	9/ 2/99	6:27	M.Hinelick	601	6009
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
1,1-Dichloroethene	260.	ug/l	20.0	1.0	20	9/ 2/99	6:27	M.Hinelick	601	6009
cis-1,2-Dichloroethene	93.6	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Methylene chloride	ND	ug/l	5.0	5.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Tetrachloroethene	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
1,1,1-Trichloroethane	518.	ug/l	20.0	1.0	20	9/ 2/99	6:27	M.Hinelick	601	6009
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Trichloroethene	67.2	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	601	6009
MTBE	ND	ug/l	1.0	1.0	1	9/ 2/99	6:27	M.Hinelick	602	6009
IPE	ND	ug/l	5.0	5.0	1	9/ 2/99	6:27	M.Hinelick	602	6009

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	990. ml	1.00 ml	8/31/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	93.	49. - 123.
Hall Surr., chloroprene	102.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	84.	59. - 117.
PAH Surrogate	47.	10. - 116.

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

ANALYTICAL REPORT

Laboratory Number: 99-A133103
Sample ID: RW-5

Report Approved By: Michael H. Dunn Report Date: 9/ 7/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

Environmental LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park North Syracuse, NY 13212
(315) 458-8033 FAX (315) 458-0249 (800) 643-8265

99-0668

CHAIN OF CUSTODY RECORD and Authorization for Analysis

Name	Charles Ross / Bruce Reilly	Title	Project Hydrogeol.
Company	Quantum Environmental	Dept.	0000
Address	2200 Gateway Blvd, Suite 205	Job/PO No.	0013-94-012
City, State, Zip	Morrisville, NC 27560		

The following services may result in additional charges:
☐ Telephone Results — Telephone No. 469-9795
☒ Fax Results — Fax No. 469-3557
Express Service — Advance Agreement Required — ☐ 1 Week ☐ 48 Hour

To be completed by Sampler. Please remember to record this information on the container label.

ELS Number	*Date	*Time	*Comp.	*Grab	*Matrix	*Sampling Location	Number of Containers	Plastic/No Preservatives	Plastic/HNO_3	Plastic/H_2SO_4	Plastic/NaOH+Ascorbic Acid	Plastic/NaOH+Zinc Acetate	Glass/No Preservative	Glass/Sodium Thiosulfate	Amber Glass/No Pres.	Amber Glass/H_2SO_4	Other: (specify) glass / HCl	Analyses Required, Remarks, and/or Special Instructions
169519	8/29/99	10:00p	-	✓	H_2O	RW-1	4						+		1		3	601/602 +
169520	"	"		✓	"	RW-2	4						+		1		3	MTBE, EDB IPE
169521	"	"		✓	"	RW-3	4						+		1		4	Method 610
169522	"	"		✓	"	RW-4	4						+		1		3	
169523	"	"		✓	"	RW-5	4						+		1		3	
~~169524~~				~~✓~~	"	~~RW-6~~	~~4~~						~~+~~				~~3~~	

Please put Project name on top of lab report - Nello Teer

Thank you

Containers Dispensed by:	Date	Time	Container(s) Received by:	Date	Time
Relinquished by:	Date 9/30	Time 11:15	Received by:	Date 9/30/99	Time 11:15
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Your signature authorizes ELS to analyze the sample(s) as indicated. Relinquished by:	Date	Time	Received at Lab by:	Date	Time
Sampler Signature:					

White - LABORATORY Canary - ACCOMPANIES RESULTS Pink - CLIENT
Please return completed form and all sample containers to Environmental Laboratory Services.

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
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QUANTUM ENVIRONMENTAL, INC.
2200 GATEWAY BLVD., SUITE 205

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER:

PROJECT #: 992400
RECEIVED: 10/05/99

SITE ADDRESS: DENFIELD ST.
DURHAM, NC
NELLO TEER SITE
JOB #: 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 171931 CLIENT SAMPLE ID: RW-6				**DATE SAMPLED: 10/04/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 171932 CLIENT SAMPLE ID: RW-7				**DATE SAMPLED: 10/04/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED			EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED			EPA 601-602	387 (NC)
SAMPLE #: 171933 CLIENT SAMPLE ID: CS-1				**DATE SAMPLED: 10/04/99**	
PETROLEUM HYDROCARBONS - DRO	SEE ATTACHED			EPA 8015M	387 (NC)
PETROLEUM HYDROCARBONS - GRO (PT)	SEE ATTACHED			EPA 8015B	387 (NC)
SAMPLE #: 171934 CLIENT SAMPLE ID: CS-2				**DATE SAMPLED: 10/04/99**	
PETROLEUM HYDROCARBONS - DRO	SEE ATTACHED			EPA 8015M	387 (NC)
PETROLEUM HYDROCARBONS - GRO (PT)	SEE ATTACHED			EPA 8015B	387 (NC)
SAMPLE #: 171935 CLIENT SAMPLE ID: SS-1				**DATE SAMPLED: 10/04/99**	
PETROLEUM HYDROCARBONS - DRO	SEE ATTACHED			EPA 8015M	387 (NC)
PETROLEUM HYDROCARBONS - GRO (PT)	SEE ATTACHED			EPA 8015B	387 (NC)

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER:

PROJECT #: 992400
RECEIVED: 10/05/99

SITE ADDRESS: DENFIELD ST.
DURHAM, NC
NELLO TEER SITE
JOB #: 0013-94-012

Douglas W. Mendrala
Laboratory Director

10/13/99
Date

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

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

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD, #625
MORRISVILLE, NC 27560

Project: 0013-94-012
Project Name: NELLO TEAR SITE
Sampler:

Lab Number: 99-A152697
Sample ID: RW-6
Sample Type: Water
Site ID:

Date Collected: 10/ 4/99
Time Collected: 16:30
Date Received: 10/ 6/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEMIVOLATILE PARAMETERS:										
Naphthalene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Acenaphthene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Anthracene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Fluoranthene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Fluorene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Pyrene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Benzo(a)anthracene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Benzo(a)pyrene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Benzo(b)Fluoranthene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Benzo(k)Fluoranthene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Chrysene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Acenaphthylene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
1-Methylnaphthalene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
2-Methylnaphthalene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
Phenanthrene	ND	ug/l	5.	5.	1	10/11/99	18:49	N.Goodrich	610	9238
VOLATILE ORGANICS by GC/MS										
Benzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602	9653
Chlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602/601	9653
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602/601	9653
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602/601	9653
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602/601	9653
Ethylbenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602	9653
Toluene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602	9653
m,p-Xylenes	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602	9653
o-Xylene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	602	9653
Bromodichloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653
Bromoform	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653
Bromomethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653
Chloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	10/11/99	5:07	N.Hinelick	601	9653

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

ANALYTICAL REPORT

Laboratory Number: 99-A152697
Sample ID: RW-6

Page 2

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Chloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Dibromochloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Vinyl chloride	2.1	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,1-Dichloroethane	14.7	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,1-Dichloroethene	24.3	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
cis-1,2-Dichloroethene	6.2	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Methylene chloride	ND	ug/l	5.0	5.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Tetrachloroethene	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,1,1-Trichloroethane	53.2	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Trichloroethene	18.9	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:07	M.Hinelick	601	9653

PAH analyzed by GC/MS

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	10/ 6/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	89.	50. - 150.
Hall Surr., 2-chloropropane	71.	49. - 123.
Hall Surr., chloroprene	87.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	75.	59. - 117.
PAH Surrogate	66.	10. - 116.

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ANALYTICAL REPORT

Laboratory Number: 99-A152697
Sample ID: RH-6

Page 3

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 10/12/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

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Phone 1-615-726-0177

ANALYTICAL REPORT

TESTAMERICA INC. 5752

2700 GATEWAY CENTRE BLVD. #625
MORRISVILLE, NC 27560

Project: 0013-94-012
Project Name: NELLO TEAR SITE
Sampler:

Lab Number: 99-A152698
Sample ID: RW-7
Sample Type: Water
Site ID:

Date Collected: 10/ 4/99
Time Collected: 16:00
Date Received: 10/ 6/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Dwn Limit	Dil Factor	Date	Time	Analyst	Method	Batch
SEMIVOLATILE PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Acenaphthene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Anthracene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Fluoranthene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Fluorene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Pyrene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Benzo(a)anthracene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Benzo(a)pyrene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Chrysene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Acenaphthylene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
1-Methylnaphthalene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
2-Methylnaphthalene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
Phenanthrene	ND	ug/l	5.	5.	1	10/11/99	19:24	N.Goodrich	610	9238
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602	9653
Chlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602/601	9653
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602/601	9653
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602/601	9653
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602/601	9653
Ethylbenzene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602	9653
Toluene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602	9653
m,p-Xylenes	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602	9653
o-Xylene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	602	9653
Bromodichloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Bromoform	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Bromomethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Chloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653

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P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A132678
Sample ID: RW-7

Page 2

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Chloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Dibromochloromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Vinyl chloride	6.0	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,1-Dichloroethane	10.0	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,1-Dichloroethene	1.6	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
cis-1,2-Dichloroethene	3.8	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Methylene chloride	ND	ug/l	5.0	5.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Tetrachloroethene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Trichloroethene	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	10/11/99	5:51	M.Hinelick	601	9653

PAH analyzed by GC/MS

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	10/ 8/99	Fitzwater	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	98.	50. - 150.
Hall Surr., 2-chloropropane	73.	49. - 123.
Hall Surr., chloroprene	83.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	68.	59. - 117.
PAH Surrogate	73.	10. - 116.

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Appendix C

Appendix C
Remediation System Influent/Effluent Sampling Results
and
Laboratory Analytical Report

Environmental
LABORATORY SERVICES

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- Pennsylvania
- Rhode Island

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

MORRISVILLE NC 27560
ATTN: MR. CHARLES ROSS

P.O. #
CLIENT JOB NUMBER:

PROJECT #: 993069
RECEIVED: 12/17/99

Site : Nello-Teer
Job# : 0013-94-012

TEST PERFORMED	RESULTS	UNITS	DATE PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 174150 CLIENT SAMPLE ID: INFLUENT				**DATE SAMPLED: 12/17/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/25/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/19/99	EPA 601-602	387 (NC)
SAMPLE #: 174151 CLIENT SAMPLE ID: EFFLUENT				**DATE SAMPLED: 12/17/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/25/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/19/99	EPA 601-602	387 (NC)
SAMPLE #: 174152 CLIENT SAMPLE ID: RW-6				**DATE SAMPLED: 12/17/99**	
SEMIVOL. ORGANICS - PAH	SEE ATTACHED		12/25/99	EPA 610	387 (NC)
VOL. ORGANICS - EPA 601-602	SEE ATTACHED		12/20/99	EPA 601-602	387 (NC)

(F2) Douglas W. Mendrala
Laboratory Director

12/30/99
Date

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

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

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

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

Lab Number: 99-A193333
Sample ID: INFLUENT
Sample Type: Water
Site ID:

Date Collected: 12/17/99
Time Collected: 13:30
Date Received: 12/18/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Acenapthene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Anthracene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Fluorene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Pyrene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Benzo(a)anthracene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Benzo(a)pyrene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Chrysene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Acenapthylene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
Phenanthrene	ND	ug/l	5.	5.	1	12/25/99	15:41	M.Goodrich	610	2473
VOLATILE ORGANICS by GC										
Benzene	2.0	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602/601	738
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602/601	738
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602/601	738
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602/601	738
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
Toluene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
m,p-Xylenes	1.0	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
o-Xylene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Bromoform	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Bromomethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Chloroethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738

Sample report continued . . .

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193333
Sample ID: INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Chloromethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,1-Dichloroethane	9.4	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,1-Dichloroethene	6.6	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
cis-1,2-Dichloroethene	4.6	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Methylene chloride	ND	ug/l	5.0	5.0	1	12/19/99	18:52	T McCollum	601	738
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,1,1-Trichloroethane	9.9	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Trichloroethene	3.8	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	601	738
MTBE	1.9	ug/l	1.0	1.0	1	12/19/99	18:52	T McCollum	602	738
IPE	ND	ug/l	5.0	5.0	1	12/19/99	18:52	T McCollum	602	738

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/20/99	C. Terry	3510

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

Sample report continued . . .

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193333
Sample ID: INFLUENT

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	101.	49. - 123.
Hall Surr., chloroprene.	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	104.	59. - 117.
PAH Surrogate	59.	18. - 116.

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

Report Approved By: Gail A Lage Report Date: 12/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

End of Sample Report.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

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

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

Lab Number: 99-A193334
Sample ID: EFFLUENT
Sample Type: Water
Site ID:

Date Collected: 12/17/99
Time Collected: 13:25
Date Received: 12/18/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Acenapthene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Anthracene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Fluorene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Pyrene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Benzo(a)anthracene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Benzo(a)pyrene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Chrysene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Acenapthylene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
Phenanthrene	ND	ug/l	5.	5.	1	12/25/99	15:04	M.Goodrich	610	2473
VOLATILE ORGANICS by GC										
Benzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602/601	738
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602/601	738
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602/601	738
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602/601	738
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
Toluene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
m,p-Xylenes	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
o-Xylene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Bromoform	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Bromomethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Chloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738

Sample report continued . . .

COPY 2

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193334
Sample ID: EFFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Chloromethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Methylene chloride	ND	ug/l	5.0	5.0	1	12/19/99	19:33	T McCollum	601	738
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Trichloroethene	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	601	738
MTBE	ND	ug/l	1.0	1.0	1	12/19/99	19:33	T McCollum	602	738
IPE	ND	ug/l	5.0	5.0	1	12/19/99	19:33	T McCollum	602	738

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/20/99	C. Terry	3510

Surrogate	% Recovery	Target Range
PID Surr., a,a,a-trifluorotoluene	101.	50. - 150.

Sample report continued . . .

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193334
Sample ID: EFFLUENT

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	102.	59. - 117.
PAH Surrogate	55.	10. - 116.

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

Report Approved By: Report Date: 12/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

End of Sample Report.

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

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

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

Lab Number: 99-A193335
Sample ID: RW-6
Sample Type: Water
Site ID:

Date Collected: 12/17/99
Time Collected: 13.35
Date Received: 12/18/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan-Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Naphthalene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Acenapthene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Anthracene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Fluoranthene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Fluorene	5.	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Pyrene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Benzo(a)anthracene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Benzo(a)pyrene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Benzo(b)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Benzo(k)fluoranthene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Chrysene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Dibenzo(a,h)anthracene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Acenapthylene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Benzo(g,h,i)perylene	ND	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
Phenanthrene	4.	ug/l	5.	5.	1	12/25/99	14:26	M.Goodrich	610	2473
VOLATILE ORGANICS by GC										
Benzene	2.2	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
Chlorobenzene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602/601	738
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602/601	738
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602/601	738
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602/601	738
Ethylbenzene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
Toluene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
m,p-Xylenes	1.0	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
o-Xylene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
Bromodichloromethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Bromoform	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Bromomethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Chloroethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738

Sample report continued . . .

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193335
Sample ID: RW-6

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Chloroform	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Chloromethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Dibromochloromethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Ethylene Dibromide	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Vinyl chloride	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,1-Dichloroethane	7.8	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,1-Dichloroethene	4.9	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
cis-1,2-Dichloroethene	3.6	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Methylene chloride	ND	ug/l	5.0	5.0	1	12/20/99	12:26	T McCollum	601	738
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Tetrachloroethene	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,1,1-Trichloroethane	4.0	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Trichloroethene	3.2	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	601	738
MTBE	2.1	ug/l	1.0	1.0	1	12/20/99	12:26	T McCollum	602	738
IPE	ND	ug/l	5.0	5.0	1	12/20/99	12:26	T McCollum	602	738

PAH's analyzed by GC/MS.

ND = Not detected at the report limit.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
PAH's	1000 ml	1.00 ml	12/20/99	C. Terry	3510

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

Sample report continued . . .

SPECIALIZED ASSAYS, INC.

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

ANALYTICAL REPORT

Laboratory Number: 99-A193335
Sample ID: RW-6

Surrogate	% Recovery	Target Range
Hall Surr., 2-chloropropane	94.	49. - 123.
Hall Surr., chloroprene	100.	63. - 122.
Hall Surr., 1-chloro-3-fluorobenzene	103.	59. - 117.
PAH Surrogate	79.	18. - 116.

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

Report Approved By: _____ Report Date: 12/28/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

End of Sample Report.

SPECIALIZED ASSAYS, INC.

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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Benzene	mg/l	< 0.0010	0.0198	0.0200	99	76. - 122.	738
Ethylbenzene	mg/l	< 0.0010	0.0196	0.0200	98	76. - 125.	738
Toluene	mg/l	< 0.0010	0.0195	0.0200	98	74. - 127.	738
m,p-Xylenes	mg/l	< 0.0010	0.0399	0.0400	100	75. - 133.	738
o-Xylene	mg/l	< 0.0010	0.0199	0.0200	100	74. - 126.	738
2-Chloroethylvinylether	mg/l	< 0.0010	0.0184	0.0200	92	77. - 123.	738
cis-1,2-Dichloroethene	mg/l	< 0.0010	0.0184	0.0200	92	76. - 123.	738
Tetrachloroethene	mg/l	< 0.0010	0.0200	0.0200	100	69. - 127.	738
Trichloroethene	mg/l	< 0.0010	0.0195	0.0200	98	67. - 129.	738
MTBE	mg/l	< 0.0010	0.0199	0.0200	100	67. - 130.	738
IPE	mg/l	< 0.0100	0.0197	0.0200	98	40. - 158.	738

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzene	mg/l	0.0200	0.0207	104	77 - 123	738
Chlorobenzene	mg/l	0.0200	0.0200	100	81 - 120	738
1,2-Dichlorobenzene	mg/l	0.0200	0.0211	106	68 - 132	738
1,3-Dichlorobenzene	mg/l	0.0200	0.0209	104	73 - 128	738
1,4-Dichlorobenzene	mg/l	0.0200	0.0210	105	70 - 131	738
Ethylbenzene	mg/l	0.0200	0.0203	102	63 - 137	738
Toluene	mg/l	0.0200	0.0204	102	78 - 123	738
m,p-Xylenes	mg/l	0.0400	0.0408	102	70 - 130	738
o-Xylene	mg/l	0.0200	0.0203	102	70 - 130	738
Bromodichloromethane	mg/l	0.0200	0.0214	107	76 - 123	738
Bromoform	mg/l	0.0200	0.0194	97	74 - 127	738
Bromomethane	mg/l	0.0200	0.0203	102	59 - 142	738
Carbon tetrachloride	mg/l	0.0200	0.0224	112	66 - 132	738
Chloroethane	mg/l	0.0200	0.0191	96	77 - 123	738
2-Chloroethylvinylether	mg/l	0.0200	0.0200	100	70 - 130	738
Chloroform	mg/l	0.0200	0.0212	106	75 - 125	738
Chloromethane	mg/l	0.0200	0.0201	100	60 - 141	738
Dibromochloromethane	mg/l	0.0200	0.0211	106	66 - 134	738
Ethylene Dibromide	mg/l	0.0200	0.0208	104	70 - 130	738
Vinyl chloride	mg/l	0.0200	0.0196	98	70 - 130	738
Dichlorodifluoromethane	mg/l	0.0200	0.0191	96	70 - 130	738
1,1-Dichloroethane	mg/l	0.0200	0.0204	102	84 - 116	738
1,2-Dichloroethane	mg/l	0.0200	0.0215	108	72 - 129	738
1,1-Dichloroethene	mg/l	0.0200	0.0196	98	63 - 137	738
cis-1,2-Dichloroethene	mg/l	0.0200	0.0190	95	70 - 130	738
trans-1,2-Dichloroethene	mg/l	0.0200	0.0205	102	64 - 136	738
1,2-Dichloropropane	mg/l	0.0200	0.0217	108	74 - 126	738
cis-1,3-Dichloropropene	mg/l	0.0200	0.0206	103	64 - 136	738

Project QC continued . . .

SPECIALIZED ASSAYS, INC.

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
trans-1,3-Dichloropropene	ug/l	0.0200	0.0207	104	70 - 130	738
Methylene chloride	ug/l	0.0200	0.0240	120	78 - 123	738
1,1,2,2-Tetrachloroethane	ug/l	0.0200	0.0192	96	49 - 151	738
Tetrachloroethene	ug/l	0.0200	0.0214	107	70 - 130	738
1,1,1-Trichloroethane	ug/l	0.0200	0.0222	111	71 - 129	738
1,1,2-Trichloroethane	ug/l	0.0200	0.0190	95	79 - 122	738
Trichloroethene	ug/l	0.0200	0.0208	104	77 - 123	738
Trichlorofluoromethane	ug/l	0.0200	0.0201	100	67 - 134	738
MTBE	ug/l	0.0200	0.0217	108	70 - 130	738
IPE	ug/l	0.0200	0.0197	98	70 - 130	738

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Benzene	< 0.0010	ug/l	738
Chlorobenzene	< 0.0010	ug/l	738
1,2-Dichlorobenzene	< 0.0010	ug/l	738
1,3-Dichlorobenzene	< 0.0010	ug/l	738
1,4-Dichlorobenzene	< 0.0010	ug/l	738
Ethylbenzene	< 0.0010	ug/l	738
Toluene	< 0.0010	ug/l	738
m,p-Xylenes	< 0.0010	ug/l	738
o-Xylene	< 0.0010	ug/l	738
Bromodichloromethane	< 0.0010	ug/l	738
Bromoform	< 0.0010	ug/l	738
Bromomethane	< 0.0010	ug/l	738
Carbon tetrachloride	< 0.0010	ug/l	738
Chloroethane	< 0.0010	ug/l	738
2-Chloroethylvinylether	< 0.0010	ug/l	738
Chloroform	< 0.0010	ug/l	738
Chloromethane	< 0.0010	ug/l	738
Dibromochloromethane	< 0.0010	ug/l	738
Ethylene Dibromide	< 0.0010	ug/l	738
Vinyl chloride	< 0.0010	ug/l	738
Dichlorodifluoromethane	< 0.0010	ug/l	738
1,1-Dichloroethane	< 0.0010	ug/l	738
1,2-Dichloroethane	< 0.0010	ug/l	738
1,1-Dichloroethene	< 0.0010	ug/l	738
cis-1,2-Dichloroethene	< 0.0010	ug/l	738
trans-1,2-Dichloroethene	< 0.0010	ug/l	738
1,2-Dichloropropane	< 0.0010	ug/l	738
cis-1,3-Dichloropropene	< 0.0010	ug/l	738
trans-1,3-Dichloropropene	< 0.0010	ug/l	738

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	A.C. Batch
Methylene chloride	< 0.0050	mg/l	738
1,1,2,2-Tetrachloroethane	< 0.0010	mg/l	738
Tetrachloroethene	< 0.0010	mg/l	738
1,1,1-Trichloroethane	< 0.0010	mg/l	738
1,1,2-Trichloroethane	< 0.0010	mg/l	738
Trichloroethene	< 0.0010	mg/l	738
Trichlorofluoromethane	< 0.0010	mg/l	738
MTBE	< 0.0010	mg/l	738
IPE	< 0.0100	mg/l	738

End of Report for Project 173337

Environmental LABORATORY SERVICES

7260 Caswell Street, Hancock Air Park North Syracuse, NY 13212
(315) 458-6033 FAX (315) 458-0249 (800) 843-8265

99-0922

CHAIN OF CUSTODY RECORD and Authorization for Analysis

Name: Charles C. Ross
Title: Project Manager
Company: Quantum Environmental
Dept.: 0000
Address: 2700 Gateway Blvd. Suite 205
Job/PO No.: 0013-94-012
City, State, Zip: Morrisville, NC 27560

The following services may result in additional charges:

☐ Telephone Results — Telephone No. 469-9795
☒ Fax Results — Fax No. (919) 469-[illegible]7

Express Service — Advance Agreement Required
☒ 1 Week 12-27-99 ☐ 48 Hour

To be completed by Sampler. Please remember to record this information on the container label.

ELS Number	*Date	*Time	*Comp.	*Grab	*Matrix	*Sampling Location	Number of Containers	Plastic/No Preservatives	Plastic/HNO_3	Plastic/H_2SO_4	Plastic/NaOH+Ascorbic Acid	Plastic/NaOH+Zinc Acetate	Glass/No Preservative	Glass/Sodium Thiosulfate	Amber Glass/No Pres.	Amber Glass/H_2SO_4	Other: (specify) Amber glass HCl	Analyses Required, Remarks, and/or Special Instructions
174150	12/17/99	13:30	✓		H_2O	Influent	4						1				3	601/602 + MTBE EDB, TPH
174151	"	13:25	✓		"	Effluent	4						1				3	610
174152	"	13:35		✓	"	RW-6	4						1				3	

Standard TAT

Containers Dispensed by:	Date	Time	Container(s) Received by:	Date	Time
Relinquished by: Charles C. Ross	Date 12/17	Time 4:40	Received by: [illegible]	Date 12/17/99	Time 7:45
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received at Lab by:	Date	Time
Sampler Signature:					

Your signature authorizes ELS to analyze the sample(s) as indicated.

White - LABORATORY Canary - ACCOMPANIES RESULTS Pink - CLIENT

Please return completed form and all sample containers to Environmental Laboratory Services.

2217.ELS..202.9310