RCRA FACILITY INVESTIGATION REPORT
CARRIER CORPORATION, THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

EnSafe Project No. 3133-031

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Table of Contents

List of Acronyms iii

1.0 INTRODUCTION 1-1
1.1 History of Site Investigations 1-1

2.0 BACKGROUND 2-1
2.1 Facility Description 2-1
2.2 Facility History 2-1
2.3 Local Geology 2-1
2.4 Local Hydrogeology 2.3

3.0 INVESTIGATION APPROACH AND RESULTS 3-1
3.1 SWMUs 1- 4 3-4
3.2 Bedding Material beneath Sewer Lines 3-5
3.3 SWMUs 5 and 6 3-19
3.4 PSA-2 3-23
3.5 Source of PCBs in Sanders Creek 3-25
3.6 Carrier-Dewitt Landfill 3-33

4.0 CONCLUSIONS 4-1
4.1 SMWUs 1 - 4 4-1
4.2 Bedding Material Monitoring Wells 4-1
4.3 SWMUs 5 and 6 4-1
4.4 PSA-2 4-2
4.5 Source of PCBs in Sanders Creek 4-2
4.6 Carrier-DeWitt Landfill 4-2

List of Figures

Figure 2.1 Site Location Map 2-2
Figure 3.1 RFI Investigation Areas 3-3
Figure 3.2 Concentrations of VOCs in Groundwater (Historic) 3-15
Figure 3.3 Potentiometric Surface for July 2001 3-16
Figure 3.4 Potentiometric Surface for April 2000 3-17
Figure 3.5 Analytical Results of Samples Collected at SWMUs 5 and 6 3-22
Figure 3.6 Soil Boring Locations 3-24
Figure 3.7 PCB Map 3-27
Figure 3.8 PCB Soil Excavation Area (Transformer Yard) 3.29

List of Tables

Table 3.1 Well Identifications 3-1
Table 3.2 Sample/Groundwater Monitoring Well Correlations 3-2
Table 3.3 Groundwater Laboratory Analytical Results 3-6
Table 3.4 Groundwater Elevations – July 2001 3-11
Table 3.5 SWMU 5 and 6 Analytical Results 3-21
Table 3.6 Summary of Soil Sampling in Transformer Yard 3-26
Table 3.7 Summary of Sediment Sampling in Sanders Creek 3-32

List of Appendices

Appendix A: RFI Boring Logs
Appendix B: Laboratory Analytical Data Sheets
Appendix C: References

Acronyms Used Frequently in this Report

µg/L	micrograms per liter
AOC	area of concern
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DCE	dichloroethene
DMR	Discharge Monitoring Report
DPT	direct push technology
I.D.	inner diameter
MCL	maximum contaminant level
MW	monitoring well
ND	not detected
NYSDEC	New York State Department of Environmental Conservation
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyls
PID	photoionization detector
ppm	parts per million
PSA	potential source area
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
SPDES	state pollutant discharge elimination system
SWMU	solid waste management unit
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

This report summarizes the activities performed and findings of a RCRA Facility Investigation (RFI) at the Carrier Corporation facility at Thompson Road, Syracuse, New York. The RFI work plan previously submitted was requested by the New York State Department of Environmental Conservation (NYSDEC) in conjunction with EPA, Region 2, to investigate certain findings of a 1997 RCRA Facility Assessment (RFA) prepared by A.T. Kearney, Inc. on behalf of United States Environmental Protection Agency (USEPA) Region 2.

This investigation addresses the solid waste management units and the area of concerns (SWMUs and AOCs) identified in the RFA that are the subject of NYSDEC comments (December 1, 2000). Many of these comments were addressed in the *Release Assessment Report*, (EnSafe, January 17, 2001), which documented findings of investigations conducted by Carrier since the RFA was prepared. The previously submitted RFI work plan (EnSafe, 2001) and Carrier's response to NYSDEC comments (May 17, 2001) addresses comments not adequately addressed by the *Release Assessment Report*. All RFI activities were performed in accordance with the NYSDEC-approved work plan. In addition, NYSDEC provided oversight during a portion of the RFI field activities.

1.1 History of Site Investigations

In 1986, Dames & Moore was contracted by Carrier Corporation to study soil and groundwater conditions (*Phase I and Phase II Groundwater Evaluation Reports*) surrounding an underground storage tank area at Carrier's Syracuse, New York, facility. Because closure of one of the tanks (a 20,000-gallon cement tank) was being considered by Carrier, it was thought that data collected from such a study would support the tank closure application. This investigation is briefly summarized below.

Phase I Groundwater Evaluation Report, 1986 – This study included the installation of five monitoring wells, one upgradient (MW-1) and four downgradient (MW-2, MW-3S, MW-3D, and MW-4) in the underground storage tank area. (SWMUs 1 to 4, are located in this area, which is referred to in other reports as potential source area [PSA]-1). Results indicated that volatile organic compounds (VOCs) are in groundwater near the tank and were probably attributed to the tank.

Phase II Groundwater Evaluation Report, 1987 – To further define the extent of groundwater contamination, a second phase was performed. In this investigation, two downgradient shallow wells (MW-5 and MW-6) were installed. Results indicated that these wells did not appear to have been affected by SWMUs 1 to 4.

In the initial discharge monitoring report (DMR) submitted to NYSDEC as part of Carrier's State Pollutant Discharge Elimination System (SPDES) 1989 permit, Carrier reported trichloroethene (TCE) in Outfalls 002 and 007 and phenol in Outfall 005 at concentrations exceeding the permit limits.

- SPDES Permitted Outfall Evaluation Report, 1989 – In this evaluation, Blasland & Bouck Engineers analyzed the discharges from the permitted outfalls.

- Storm Sewer System Report, 1990 – Because TCE and phenol concentrations in several outfalls exceeded permit limits, Blasland & Bouck Engineers evaluated the existing storm sewer system.

In 1990, the NYSDEC and Carrier entered into a Consent Order as a result of the TCE detections in storm water discharges from the facility. A hydrogeologic evaluation was conducted by Blasland & Bouck Engineers to satisfy some requirements of this Order and a stormwater capture system was designed and installed under NYSDEC review.

- Hydrogeologic Evaluation, 1991 – Two soil borings (B-1 and B-2) and three monitoring wells (MW-7 to MW-9) were installed during this evaluation to supplement the five monitoring wells installed for the Phase I and II groundwater evaluations. Results confirmed the presence of VOCs in soils and shallow groundwater, the report concluded that contamination detected at the PSAs is confined by the geology and influenced by the storm sewer system

In 1997, a RFA was initiated by the USEPA Region 2 (and prepared by A.T. Kearney). The following summarizes reports generated since the RFA was initiated.

- RCRA Facility Assessment Report, 1997 – The report summarizes a visual site inspection in which 17 SWMUs and 2 AOCs were identified. The RFA determined that most of these units identified at the facility are located indoors over concrete. The RFA further states that there is minimal potential for release from these units and that they require no further action. Those units where it was concluded there is more than a minimal potential for release are SWMUs 1 to 6, which include two former 20,000-gallon concrete storage tanks (SWMUs 1 and 2), two former 8,000-gallon steel storage tanks (SWMUs 3 and 4) located in the immediate area of SMWUs 1 and 2, and two former 8,000-gallon concrete storage tanks (SWMUs 5 and 6).

- Release Assessment Report, 2001 – Investigations were performed by EnSafe to further evaluate groundwater contamination. These investigations started in 1999 with a shallow groundwater investigation, combined with a storm sewer capture evaluation. Based on the results of the shallow groundwater investigation, a supplemental shallow groundwater investigation was also performed in 1999 to gain a better understanding of the shallow groundwater system. When the shallow groundwater investigations were completed, a third phase of groundwater investigation in 2000 focused on deep groundwater, both in the area of PSA-1 and at the northern Carrier property boundary. The findings of these investigations are summarized in the *Release Assessment Report*.

- Carrier Thompson Road Facility RFI Report, 2001 – This report summarizes the most recent investigation by EnSafe to assist Carrier in determining the overall extent of impact to areas of concern, as outlined in the NYSDEC comments on the *Release Assessment Report* of (January 17, 2001) and the *RFI Work Plan* of (January 16, 2001). The primary objectives of this investigation were to determine: (1) the extent of PCB impact to sediments in Sanders Creek and manholes at the facility, (2) the extent of TCE impact to soils at SWMUs 5 and 6 and at PSA-2, and (3) if TCE was migrating offsite and to Sanders Creek near the current storm sewer outfalls. These areas were investigated as part of the RFI process under the direction of NYSDEC. Results are summarized in this report.

2.0 BACKGROUND

2.1 Facility Description

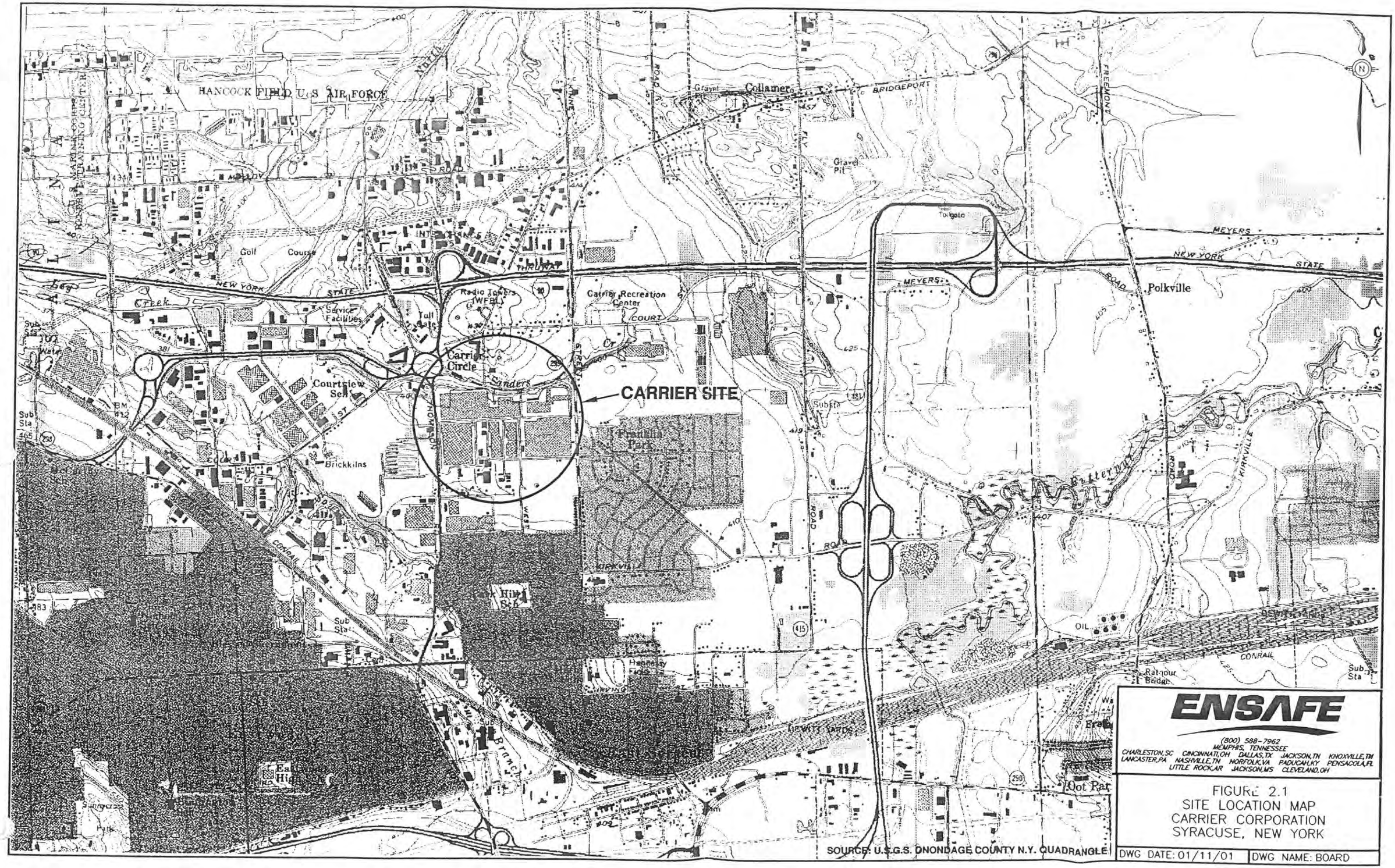
The Carrier Thompson Road Facility is located in the northeast portion of Syracuse, New York, approximately one mile south of the New York State Thruway (Figure 2.1 – Site Location Map). The facility is bordered by Sanders Creek to the north, Thompson Road to the west, Kinne Street to the east, and a residential area to the south. The property slopes slightly north toward Sanders Creek. The facility property covers approximately 175 acres and most is either paved or covered by manufacturing and office buildings.

2.2 Facility History

The facility was purchased in the 1950s by Carrier. The Carrier Syracuse facility produces or has produced a variety of products associated with the HVAC (heating, ventilation, air conditioning units) industry for home and commercial applications over the years. Operations include or have included the manufacture and assembly of various components associated with these HVAC units. Carlyle compressors are also manufactured at the facility.

2.3 Local Geology

The local bedrock near of the Carrier facility consists primarily of Silurian-age carbonates and shales. The Vernon Shale Member of the Salina Group underlies the area. The Vernon Shale is a red shale 600 to 800 feet thick. The top of the bedrock onsite is approximately 40 to 60 feet below ground surface (bgs).



SOURCE: U.S.G.S. ONONDAGA COUNTY N.Y. QUADRANGLE

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LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 2.1
SITE LOCATION MAP
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 01/11/01 | DWG NAME: BOARD

Overlying the Vernon Shale are sandy silts, clayey silts, fine-grained sands, and clays. Descriptions of soils from installation of groundwater monitoring wells and piezometers at the facility indicate a relatively uniform lithologic section across the site (see *Release Assessment Report*, Appendix A for well logs and for cross-sections).

Silts and clayey silts are the predominant soils throughout the site. These silts are generally stiff to very stiff, dense, and brittle. The silts are brown to brownish gray and commonly contain iron staining and yellow-red mottling throughout. Fine-grained sands and dense clays were frequently intermixed with the silts observed during drilling. These deposits are interpreted to represent lacustrine deposits.

The upper 1 to 4 feet of most borings consisted of fill material including roots, rock fragments up to 1 inch in diameter, and loose, unconsolidated sands and gravels. In borings installed through asphalt, a gravel and sand base 1 to 2 feet thick was found below the asphalt. In some piezometer borings, fill material was encountered over the total depth of the boring. These borings were near buildings or in areas that had been filled during construction at the facility.

Beneath the fill, saturated silts and sands with minor amounts of clay become prevalent In the northern area of the facility a peaty, organic-rich layer occurs. Till is encountered below the silts and sands over the entire facility. The till is encountered at depths ranging from approximately 29 to approximately 40 bgs.

2.4 Local Hydrogeology

Groundwater occurs at approximately 6 feet bgs in the southern portion of the facility to approximately 9 feet bgs near the northern property boundary. Groundwater is present in the "native" silty clays and silty sands, beneath the fill material and throughout the lacustrine and glacial till material encountered with depth. The saturated interval continues to the top of bedrock, which ranges from approximately 40 to 60 feet bgs across the facility.

Water level measurements from the piezometer and groundwater monitoring well network, and the elevations of the storm sewer lines located throughout the facility indicate that the main lines of the storm sewer are located below the water table. Based on previous water level

elevation data collected, the potentiometric surface map of the facility indicates that the storm sewer system is exerting a influence over the local groundwater flow system. This influence is demonstrated by the flow lines (arrows which are perpendicular to the groundwater elevation lines) indicating groundwater flowing toward the main storm sewer lines, as opposed to north toward Sanders Creek.

The most reliable portion of the maps is that area between the main lines identified as Lines 001, 002, and 007. The data indicates that the influence of the storm sewer lines reach essentially from sewer line to sewer line in this area. While there is a good deal of interpretation in the areas not covered by the piezometer transects, the data along the transects is very definitive.

The influence of the main sewer lines appears to be stronger in the southern part of the facility than in the northern area around Buildings TR-2 and TR-3. The influence of the storm sewer system in the northern area is also appears to be controlled by the sewer system, although not as definitive as in the southern portion of the facility.

3.0 INVESTIGATION APPROACH AND RESULTS

This section outlines the various investigative activities conducted at the SWMUs and AOCs identified for further evaluation in the *Draft RCRA Facility Assessment Report (1997)*. In some cases, SWMUs and AOCs were previously investigated by Carrier as part of separate investigations not conducted as part of the most recent RFI activities. The results of these investigations are summarized in the previously submitted *Release Assessment Report* (EnSafe, 2001). Any data gaps identified as part of the RFI work plan for these SWMUs and assessed during the RFI are presented in this section. For those SWMUs being investigated for the first time as part of the RFI, all activities performed are described and data are presented in this section. Figure 3.1 illustrates the areas investigated during the RFI.

RFI activities performed at the Carrier facility were in accordance with the NYSDEC-approved work plan. Samples were collected in accordance with the approved Sampling and Analysis Plan (SAP) and the Quality Assurance Project Plan (QAPP) previously submitted to NYSDEC as part of the work plan. All samples were sent to Accutest Laboratories, Dayton, New Jersey (New York Certification Number 10983) for analysis.

Well identification numbers were not consecutive in previous investigations and reports; therefore, they were renumbered, as shown in Table 3.1. Sample ID numbers and the wells from which they were collected are listed in Table 3.2.

Table 3.1
Well Identifications

Former Well Identification	New Well Identification
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-005S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

Table 3.2
Sample/Groundwater Monitoring Well Correlations

Sample Identification	Well Identification
ENS-SYR-TMP-MW01-CARGMW0104	MW-01
ENS-SYR-TMP-MW3S-CARGMW3S04	MW-03S
ENS-SYR-TMP-MW3D-CARGMW3D04	MW-03D
ENS-SYR-TMP-MW05-CARGMW0504	MW-05
ENS-SYR-TMP-MW06-CARGMW0006	MW-06
ENS-SYR-TMP-MW06-CARHMW0006	MW-06 duplicate
ENS-SYR-TMP-MW07-CARGMW0704	MW-07
ENS-SYR-TMP-MW08-CARGMW0804	MW-08
ENS-SYR-TMP-MW08-CARHMW0804	MW-08 duplicate
ENS-SYR-TMP-MW09-CARGMW0904	MW-09
ENS-SYR-TMP-9901-CARG990104	MW-10
ENS-SYR-TMP-9902-CARG990204	MW-11
ENS-SYR-TMP-9903-CARG990304	MW-12
ENS-SYR-TMP-BAG-CARG990403	MW-13D (diffusion bag sample)
ENS-SYR-TMP-9904-CARG990401	MW-13D (discrete sample)
ENS-SYR-TMP-9904-CARH990408	MW-13D (discrete sample duplicate)
ENS-SYR-TMP-005S-CARGMW5S04	MW-14
ENS-SYR-TMP-005D-CARGMW5D04	MW-14D
ENS-SYR-TMP-0006-CARG000604	MW-15D
ENS-SYR-TMP-00BG-CARGMW5604	MW-16D
ENS-SYR-TMP-0107-CARG010704	MW-17
ENS-SYR-TMP-0108-CARG010804	MW-18



NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM. ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

HYDROPUNCH LOCATIONS (HP-01) ARE APPORXIMATE.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND

- TR-2 – BUILDING
- – FORMER USTs
- – MONUMENT
- – MONITORING WELL
- – FORMER HYDROPUNCH LOCATION
- – SOIL AND/OR GROUNDWATER DPT SAMPLING LOCATION
- – RFI AREA OF INVESTIGATION

300 0 300

GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

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LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3.1
RFI AREAS OF INVESTIGATION
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 09/18/01 | DWG NAME:3133031R001

3.1 SWMUs 1 to 4

NYSDEC Comment 1: The extent, nature and rate of migration of contamination beneath the former 20,000- gallon concrete storage tanks and the former 8,000-gallon steel storage tanks (SWMUs 1-4) must be documented, and the efficacy of any past remedial activities assessed.

To evaluate the impact of any releases from SWMUs 1 to 4, previous investigations were performed and monitoring wells have been installed. The *Release Assessment Report* (EnSafe, 2001) summarizes the data collected from these wells in the immediate area of the former tanks and data collected from an area soil-gas survey and soil sampling. The historical data indicates that releases from these former tanks are largely limited to the tank area. A monitoring well at the facility boundary do not show contamination has migrated to that point.

In a continued effort to monitor the groundwater conditions at PSA-1 and throughout the site, and to ensure that significant fluctuations in the contaminant concentrations are not occurring, the work plan proposed collecting groundwater samples from all existing groundwater monitoring wells, and analyzing for VOCs.

Depth-to-groundwater was measured using an electronic water level indicator to the nearest 0.01 foot from the top of the well casing in all existing groundwater monitoring wells and temporary piezometers installed as part of the 1999 storm sewer investigation. In addition, monitoring wells at the facility were sampled for VOCs. Prior to sampling, an attempt was made to purge the wells using Micro Purge techniques, as outlined in Attachment 1 of the *Response to Comments on the Carrier Thompson Road Facility RFI Work Plan, 2001.* The recharge rate of many wells did not permit a stable drawdown to be sustained. In these cases, an attempt to purge three well volumes was made. Some wells were purged dry during this process and allowed to recharge before sampling. Sampling was carried out at each well using a dedicated, disposable polypropylene bailer and nylon rope.

Table 3.3 and Figure 3.2 show the analytical results from the July 2001 RFI sampling, as well as recent historic sampling at the facility. A copy of the laboratory analytical data sheets is included in Appendix B. The RFI results are consistent with previous sampling results, especially near SWMUs 1 to 4. Water data are summarized in Table 3.4. The piezometers not measured had been damaged due to snow removal and other activities at the Carrier facility. The potentiometric surface developed from July 2001 depth-to-water measurements is included as Figure 3.3. The April 2000 potentiometric surface (Figure 3.4) is included as a basis for comparison. Flow directions and water quality data were consistent with previous observations for the historical wells.

3.2 Bedding Material Beneath Sewer Lines

NYSDEC Comment 2: Demonstrate that offsite migration is not occurring through the storm sewers or through the bedding material beneath the sewer lines; or if this demonstration cannot be made, assess the nature and extent of any on-site or off-site contamination that has occurred.

The possible pathways for contaminated groundwater to migrate offsite are through the storm sewer system piping discharges or through groundwater flow. The *Release Assessment Report* (EnSafe, 2001) further details the previous investigations into the storm sewer (1999) and onsite groundwater quality at the northern property boundary (2000).

During the RFI, two groundwater monitoring wells were installed in the bedding material of the storm sewer lines leading to Outfalls 010 and 011. The wells (MW-17 and MW-18) were installed downgradient of Carrier's existing storm water collection system and air stripper treatment system, near the storm sewers' discharge point to Sanders Creek. MW-17 was installed south of Outfall 010 and MW-18 was installed south of Outfall 011. Both were installed by Parratt-Wolfe of Syracuse, New York, using hollow-stem auger drilling techniques. Soil samples were collected continuously by direct-push methods using 4-foot-long plastic sample sleeves inside macro-core rods. Logs of the monitoring well borings are presented in Appendix A.

Table 3.3
Groundwater Laboratory Analytical Results (µg/L, except where noted)

Well Number	Sample ID	Sample Date	Acetone	Benzene	MEK	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	*trans*-1,2-DCE	*cis*-1,2-DCE	MC	1,1,1-TCA	1,1,2-TCA	TCE	Vinyl Chloride	Toluene	Total Xylenes	Sulfate mg/L	TOC mg/L
NYSDEC Standard			50 G	1	50 G	7	5	0.6	5		5	5	5	5	1	5	2	5	5		
MW-10	CARG990101	4-25-99	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGW99103	4-19-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARG990104	7-11-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-11	CARG990201	4-25-99	6.5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGW99203	5-02-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARG990204	7-11-01	45.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-12	CARG990301	4-25-99	6.1	ND	ND	ND	ND	ND	ND	NA	14.1	5.2	ND	ND	ND	2.9	ND	ND	ND	NA	NA
	CARGW99303	4-18-00	ND	ND	ND	ND	ND	ND	ND	6.5	NA	NA	ND	ND	ND	1.4	ND	ND	ND	NA	NA
	CARG9903-04	7-11-01	26.5	ND	ND	ND	ND	ND	ND	5.8 J	1.9 J	3.9 J	ND	ND	ND	1.1	ND	ND	ND	NA	NA
MW-13D	CARG-990401	10-11-99	ND	ND	ND	ND	128	ND	17.7 J	NA	ND	2,440	ND	ND	ND	21.8	568	ND	ND	NA	NA
	CARGW99401	5-02-00	ND	3.0 J	ND	ND	160	ND	26	3,900	NA	NA	ND	ND	1.1 J	36	610	ND	ND	NA	NA
	CARG990401	7-13-01	ND	ND	ND	ND	34.4 J	ND	9.7 J	1,210	ND	1,210	ND	ND	ND	ND	199	ND	ND	NA	NA
	CARG-99402	10-11-99	ND	ND	ND	ND	247 J	ND	57.9 J	NA	ND	6,940	ND	ND	ND	ND	1,850	ND	ND	NA	NA
	CARGW99402	5-02-00	ND	1.1 J	ND	ND	180	ND	45	6,000	NA	NA	ND	ND	2.5 J	12	970	ND	ND	NA	NA
	CARG990402	07-13-01	ND	ND	ND	ND	32.0 J	ND	ND	NA	ND	1,160	ND	ND	ND	ND	190	ND	ND	NA	NA
	CARG-99403	10-11-99	ND	ND	ND	ND	230 J	ND	55.9 J	NA	ND	6,520	ND	ND	ND	ND	1,720	ND	ND	NA	NA
	CARGW99403	5-02-00	ND	ND	ND	ND	160	ND	34	5,200	NA	NA	ND	ND	2.6 J	7.3	830	ND	ND	NA	NA
Diffusion Sample	CARG990403	07-13-01	ND	ND	ND	ND	137	ND	ND	NA	22.1 J	4,080	ND	ND	ND	ND	500	ND	ND	NA	NA
low-flow	CARG990403	07-13-01	ND	ND	ND	ND	45.1 J	ND	10.3 J	NA	ND	1,600	6.8 J	ND	ND	ND	230	ND	ND	NA	NA
	CARG-990404	10-11-99	ND	ND	ND	ND	225 J	ND	51.8	NA	ND	6,130	ND	ND	ND	ND	1,580	ND	ND	NA	NA
	CARGW99404	5-02-00	4.6 J	ND	ND	ND	160	1.1 J	40	5,500	NA	NA	ND	ND	2.3 J	8.2	690	ND	ND	NA	NA
	CARG990404	07-13-01	ND	ND	ND	ND	69.9 J	ND	ND	NA	ND	2,390	15.0 J	ND	ND	ND	338	ND	ND	NA	NA
	CARG-99405	10-11-99	ND	ND	ND	ND	225 J	ND	56.0 J	NA	ND	6,310	ND	ND	ND	ND	1,670	ND	ND	NA	NA
	CARGW99405	5-02-00	ND	ND	ND	ND	170	1.1 J	44	5,600	NA	NA	ND	ND	2.3 J	8.7	880	ND	ND	NA	NA
	CARG990405	07-13-01	ND	ND	ND	ND	52.0	ND	11.2 J	NA	ND	1,730	8.5 J	ND	ND	ND	259	ND	ND	NA	NA
	CARG-99406	10-11-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGW99406	5-02-00	ND	ND	ND	ND	120	ND	29	4,800	NA	NA	ND	ND	2.0 J	5.7	760	ND	ND	NA	NA

Table 3.3
Groundwater Laboratory Analytical Results (µg/L, except where noted)

Well Number	Sample ID	Sample Date	Acetone	Benzene	MEK	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	*trans*-1,2-DCE	*cis*-1,2-DCE	MC	1,1,1-TCA	1,1,2-TCA	TCE	Vinyl Chloride	Toluene	Total Xylenes	Sulfate mg/L	TOC mg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**5**		**5**	**5**	**5**	**5**	**1**	**5**	**2**	**5**	**5**		
Diffusion Sample	CARG990406	07-13-01	ND	ND	ND	ND	182 J	ND	ND	NA	ND	**6,720**	ND	ND	ND	ND	**1,090**	ND	ND	NA	NA
low-flow	CARG990406	07-13-01	ND	ND	ND	ND	**52.7**	ND	11.2 J	NA	ND	**1,810**	ND	ND	ND	ND	**256**	ND	ND	NA	NA
	CARG-99407	10-11-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CARGW99407	5-02-00	ND	ND	ND	ND	**89**	ND	**20**	**2,900**	NA	NA	ND	ND	1.5 J	3.9 J	**390**	ND	ND	NA	NA
	CARG990407	07-13-01	ND	ND	ND	ND	61.1 J	ND	ND	NA	ND	**2,070**	14.8 J	ND	ND	ND	**332**	ND	ND	NA	NA
	CARG-990408	10-11-99	ND	ND	ND	ND	138 J	ND	30.2 J	NA	ND	**4,290**	ND	ND	ND	ND	**1,060**	ND	ND	NA	NA
	CARGW99408	5-02-00	ND	ND	ND	ND	**61**	ND	**14**	**1,900**	NA	NA	ND	ND	ND	2.6 J	**280**	ND	ND	NA	NA
	CARG990408	07-13-01	ND	ND	ND	ND	**53.7**	ND	11.6 J	NA	ND	**1,870**	8.5 J	ND	ND	ND	**282**	ND	ND	NA	NA
	CARH990408	07-13-01	ND	ND	ND	ND	**54.4**	ND	12.0 J	NA	ND	**1,850**	ND	ND	ND	ND	**281**	ND	ND	NA	NA
	CARG-990409	10-11-99	ND	ND	ND	ND	110 J	ND	24.7 J	NA	ND	**3,230**	ND	ND	ND	ND	**822**	ND	ND	NA	**1.6**
	CARGW99409	05-02-00	ND	ND	ND	ND	**41**	ND	**9.6**	**1,500**	NA	NA	4.8 J	ND	ND	2.0 J	**190**	**ND**	1.3 J	NA	NA
	CARG990409	07-13-01	ND	ND	ND	ND	60.4 J	ND	ND	NA	ND	**1,950**	ND	ND	ND	ND	**268**	ND	ND	NA	NA
	CARG-990410	10-11-99	ND	ND	ND	ND	82.8 J	ND	18.8 J	NA	ND	**2,360**	ND	ND	ND	ND	**601**	ND	ND	ND	NA
	CARGW994010	5-02-00	ND	ND	ND	ND	**13**	ND	3.1 J	**390**	NA	NA	ND	ND	ND	ND	**66**	ND	ND	NA	NA
	CARG990410	07-13-01	ND	ND	ND	ND	43.4 J	ND	ND	NA	ND	**1,480**	7.1 J	ND	ND	ND	**219**	ND	ND	NA	NA
MW-17	CARG010704*	07-13-01	**6.0**	ND	ND	ND	ND	ND	ND	NA	2.5 J	**249**	ND	ND	ND	**42.6**	**11.0**	ND	ND	NA	NA
MW-18	CARG010804*	07-13-01	ND	ND	ND	ND	ND	ND	ND	NA	29.2 J	**7,020**	ND	ND	ND	**8,760**	**505**	ND	ND	NA	NA
MW-14	CARGMW005S	4-27-00	**28**	ND	6.5 J	ND	2.2J	ND	ND	1.9 J	NA	NA	ND	ND	ND	ND	**6.0**	ND	ND	**32**	**15**
	CARGMW5S04	7-11-01	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND	ND	NA	NA
MW-14D	CARGMW005D	4-28-00	8.1 J	ND	ND	3.0 J	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW5D04	7-11-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-15D	CARGMW006	4-28-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA

Table 3.3
Groundwater Laboratory Analytical Results (µg/L, except where noted)

Well Number	Sample ID	Sample Date	Acetone	Benzene	MEK	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	*trans*-1,2-DCE	*cis*-1,2-DCE	MC	1,1,1-TCA	1,1,2-TCA	TCE	Vinyl Chloride	Toluene	Total Xylenes	Sulfate mg/L	TOC mg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**5**		**5**	**5**	**5**	**5**	**1**	**5**	**2**	**5**	**5**		
MW-15D	CARG000604	7-11-01	7.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARH000604	7-11-01	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-16D	CARGMW00BG	4-27-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**1,500**	ND
	CARGMW5604	07-10-01	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-01	MW-01	12-31-85	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	MW-1	11-16-90	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	MW-1 (DUP)	11-16-90	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0103	4-18-00	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0104	07-12-01	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	MW-3S	12-31-85	NA	NA	NA	ND	**78**	ND	**15**	NA	**982**	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
MW-03S	MW-3S	11-16-90	NA	NA	NA	NA	**490**	**7.6**	**100.0**	NA	**6.4**	NA	**120**	**17**	**9.5**	**11.0**	**1,600**	**14**	ND	NA	NA
	MW-3S (DUP)	11-16-90	NA	NA	NA	NA	**1,100**	**12.0**	**250.0**	NA	**12.0**	NA	**3.3**	ND	**10**	**15.0**	**1,200**	**20**	ND	NA	NA
	CARGMW3S03	4-20-00	ND	ND	ND	ND	**240**	1.8 J	**60**	**8,100**	NA	NA	ND	ND	**3.7 J**	**4.6 J**	**1,100**	ND	ND	**46**	**2.8**
	CARGMW3S04	07-12-01	ND	ND	ND	ND	**164**	**ND**	38.3 J	**NA**	13.9 J	**5,780**	ND	ND	ND	ND	**567**	ND	ND	NA	NA
MW-03D	MW-3D	12-31-85	NA	NA	NA	ND	ND	ND	ND	NA	**39**	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
	CARGW03D03	5-2-00	ND	ND	ND	ND	ND	ND	ND	**7.0**	NA	NA	ND	ND	ND	ND	1.1 J	ND	ND	**1,000**	ND
	CARGMW3D04	07-12-01	ND	ND	ND	ND	0.72 J	ND	ND	NA	1.2 J	**23.2**	ND	ND	ND	ND	ND	ND	ND	NA	**<1.0**
MW-05	MW-5	11-16-90	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0503	5-02-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0504	07-12-01	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-06	MW-6	11-16-90	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0603	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**110**	**1**
	CARGMW0604	07-12-01	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-07	MW-7	11-16-90	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0703	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0704	07-11-01	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA

Table 3.3
Groundwater Laboratory Analytical Results (µg/L, except where noted)

Well Number	Sample ID	Sample Date	Acetone	Benzene	MEK	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	*trans*-1,2-DCE	*cis*-1,2-DCE	MC	1,1,1-TCA	1,1,2-TCA	TCE	Vinyl Chloride	Toluene	Total Xylenes	Sulfate mg/L	TOC mg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**5**		**5**	**5**	**5**	**5**	**1**	**5**	**2**	**5**	**5**		
MW-08	MW-8	11-16-90	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0803	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARGMW0804	07-12-01	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	NA	NA
	CARHMW0804	07-12-04	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	NA	NA
MW-09	MW-9	11-16-90	NA	NA	NA	NA	**2.4**	**1.6**	ND	NA	ND	NA	**3.0**	**8.8**	ND	**2.8**	ND	ND	ND	NA	NA
	CARGMW0903	4-18-00	ND	ND	ND	ND	1.9 J	ND	ND	2.9 J	NA	NA	ND	3.7 J	ND	4.4 J	ND	ND	ND	NA	NA
	CARGMW0904	7-10-01	ND	ND	ND	ND	2.4 J	ND	ND	4.51 J	0.61 J	3.9 J	ND	**6.6**	ND	**6.2**	ND	ND	ND	NA	NA
hydropunch #1	UTCGHP0124 20-24'	4-17-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0134 30-34'	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0144 40-44'	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
hydropunch #2	UTCGHP0214 10-14'	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0224 20-24'	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0226 24-26'	4-18-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0330 26-30'	4-19-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
hydropunch #3	UTCGHP0340 36-40'	4-19-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0350 46-50'	4-19-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
hydropunch #4	UTCGHP0424 20-24'	4-20-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0434 32-34'	4-20-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0435 34-35'	4-20-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA

Table 3.3
Groundwater Laboratory Analytical Results (µg/L, except where noted)

Well Number	Sample ID	Sample Date	Acetone	Benzene	MEK	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	*trans*-1,2-DCE	*cis*-1,2-DCE	MC	1,1,1-TCA	1,1,2-TCA	TCE	Vinyl Chloride	Toluene	Total Xylenes	Sulfate mg/L	TOC mg/L
NYSDEC Standard			**50 G**	**1**	**50 G**	**7**	**5**	**0.6**	**5**		**5**	**5**	**5**	**5**	**1**	**5**	**2**	**5**	**5**		
	UTCGHP0516 12-16'	4-21-00	**12**	ND	ND	ND	2.5 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	**14**	ND	ND	NA	NA
	UTCGHP0536 32-36'	4-21-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	UTCGHP0545 42-45.7'	4-21-00	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA

Notes:
ND = Not detected above method detection limits
NA = Not Analyzed
mg/L = milligrams per liter
µg/L = micrograms per liter
Detections highlighted in **BOLD**

J value indicates concentration is estimated and is below method detection limits.

Table 3.4
Summary of Piezometer and Groundwater Data

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	PVC Riser Length	Well Screen Depth Interval	July 2001		April 2000		October 1999		April 1999	
							Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation
MW-10	14	40.41	39.66	10	4	4 to 14	7.11	32.55	6.84	32.82	7.37	32.29	6.60	33.06
MW-11	16	41.52	40.82	10	6	6 to 16	9.20	31.62	8.60	32.22	8.19	32.63	7.07	33.75
MW-12	16	39.62	38.82	10	6	6 to 16	9.68	29.14	6.38	32.44	9.71	29.11	9.19	30.43
MW-01*[1]	17.70	47.00	49.44	10	6.2	4 to 14	9.90	39.54	9.45	39.99	NM	NM	9.32	40.12
MW-3S*	14.35	41.53	43.13	10	5.2	3 to 13	6.69	36.44	6.40	36.73	6.79	36.34	6.26	36.87
MW-3D*	29.87	41.55	44.23	5	24.2	22 to 27	8.78	35.45	7.11	37.12	9.63	34.60	7.82	36.41
MW-05*[1]	17.15	33.40	35.70	10	7.2	5 to 15	3.83	31.87	3.48	32.22	5.27	30.43	3.15	32.55
MW-06*[1]	17.05	42.60	44.80	10	7.2	5 to 15	11.56	33.24	11.30	33.50	11.75	33.05	11.40	33.40
MW-07*[1]	14.70	41.60	41.40	10	5	5 to 15	6.28	35.12	5.68	35.72	3.98	37.42	5.12	36.28
MW-08*[1]	14.78	42.90	42.59	10	5	5 to 15	5.64	36.95	5.35	37.24	5.87	36.72	5.55	37.04
MW-09*[1]	17.45	43.20	44.79	10	7.2	5 to 15	7.53	37.26	6.87	37.92	7.15	37.64	NM	NM
WE-06A	10	43.55	43.05	1	9	9 to 10	NM	NM	DRY	NM	5.07	37.98	4.60	38.45
WE-06B	5.5	43.55	42.50	1	4.5	4.5 to 5.5	6.80	35.70	6.73	35.77	6.45	35.74	6.90	35.50
WE-07	8	41.90	41.07	1	7	7 to 8	NM	NM	6.95	34.12	6.76	34.31	7.02	34.05
WE-08	8	43.10	42.88	1	7	7 to 8	3.23	39.65	3.20	39.68	3.25	39.63	3.36	39.52
WE-09	8	41.99	41.89	1	7	7 to 8	2.80	39.09	2.72	39.26	3.15	38.74	2.87	39.02
WE-10	8	42.54	42.88	1	7	7 to 8	3.49	39.39	3.43	39.45	3.75	39.13	3.59	39.29
WE-11	8	42.71	43.33	1	7	7 to 8	NM	NM	5.47	37.86	5.84	37.49	5.78	37.55
WE-12	8	42.67	42.96	1	7	7 to 8	NM	NM	4.32	38.64	5.27	37.69	4.11	38.85
WE-13	8	42.59	42.95	1	7	7 to 8	6.19	36.76	4.77	38.18	5.93	37.02	4.08	38.87
WE-14	8	42.53	43.13	1	7	7 to 8	6.79	36.34	6.24	36.89	6.67	36.46	6.16	36.97
WE-15	8	42.43	42.91	1	7	7 to 8	6.78	36.13	5.73	37.18	6.53	36.38	5.00	37.91
WE-16	8	42.49	43.06	1	7	7 to 8	6.39	36.67	4.82	38.24	5.96	37.10	4.75	38.31

Table 3.4

Summary of Piezometer and Groundwater Data

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	PVC Riser Length	Well Screen Depth Interval	July 2001		April 2000		October 1999		April 1999	
							Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation
WE-17	8	43.08	43.46	1	7	7 to 8	6.04	37.02	4.97	38.49	5.86	37.60	4.81	38.65
WE-18	8	42.72	43.17	5	3	3 to 8	3.08	40.09	NM	NM	4.28	38.89	3.85	39.32
WE-19	8	42.56	43.17	1	7	7 to 8	4.59	38.58	4.77	38.40	5.25	37.92	4.89	38.28
WE-20	8	42.50	42.38	1	7	7 to 8	NM	NM	NM	NM	NM	NM	6.26	36.12
WE-21	8	42.41	42.95	1	7	7 to 8	NM	NM	NM	NM	7.27	35.68	7.43	35.52
WE-22	10	42.55	43.11	5	5	5 to 10	NM	NM	8.59	34.52	8.66	34.45	8.62	34.49
WE-23A	8	42.19	42.10	1	7	7 to 8	NM	NM	7.19	34.99	7.29	34.81	7.17	34.93
WE-23B	16	42.19	42.21	1	15	15 to 16	NM	NM	6.97	35.24	7.03	35.18	7.96	34.25
WE-24	9	42.38	42.87	2	7	7 to 9	NM	NM	NM	NM	7.84	35.03	7.94	34.93
WE-25	7.3	42.20	42.72	1	6.3	6.3 to 7.3	7.16	35.56	7.02	35.70	7.04	35.68	6.73	35.99
WE-26	8	42.00	41.99	1	7	7 to 8	NM	NM	5.98	36.01	6.04	35.95	5.36	36.63
WE-27	8	42.20	42.98	2	4	4 to 6	6.19	36.79	6.20	36.78	6.15	36.83	6.05	36.93
WE-28	8	42.50	42.75	1	7	7 to 8	NM	NM	NM	NM	6.17	36.58	5.70	37.05
WE-29	8	42.10	43.17	2	6	6 to 8	4.89	38.28	5.03	38.14	4.59	38.58	3.44	39.73
WE-30	8	41.85	40.94	2	6	6 to 8	NM	NM	5.05	35.89	5.15	35.79	1.26	40.94
WE-31	8	42.02	42.27	2	6	6 to 8	NM	NM	5.26	37.01	5.28	36.99	4.85	40.94
WE-32	8	42.16	41.43	5	5	3 to 8	NM	NM	5.12	36.31	5.34	36.09	4.20	37.73
SO-01	9	45.24	45.37	1	8	8 to 9	7.01	38.36	NM	NM	7.17	38.20	6.80	38.57
SO-02	8	43.42	44.73	1	7	7 to 8	5.40	39.33	5.40	39.33	6.30	38.43	6.27	38.46
SO-03	8	43.75	43.93	1	7	7 to 8	NM	NM	6.70	37.23	6.98	36.95	7.13	36.80
SO-04A	8	42.40	43.10	1	7	7 to 8	7.13	35.97	6.71	36.39	6.73	36.37	3.26	39.84
SO-04B	16	42.40	43.08	5	11	11 to 16	6.14	36.94	5.78	37.30	6.25	36.83	5.98	37.10

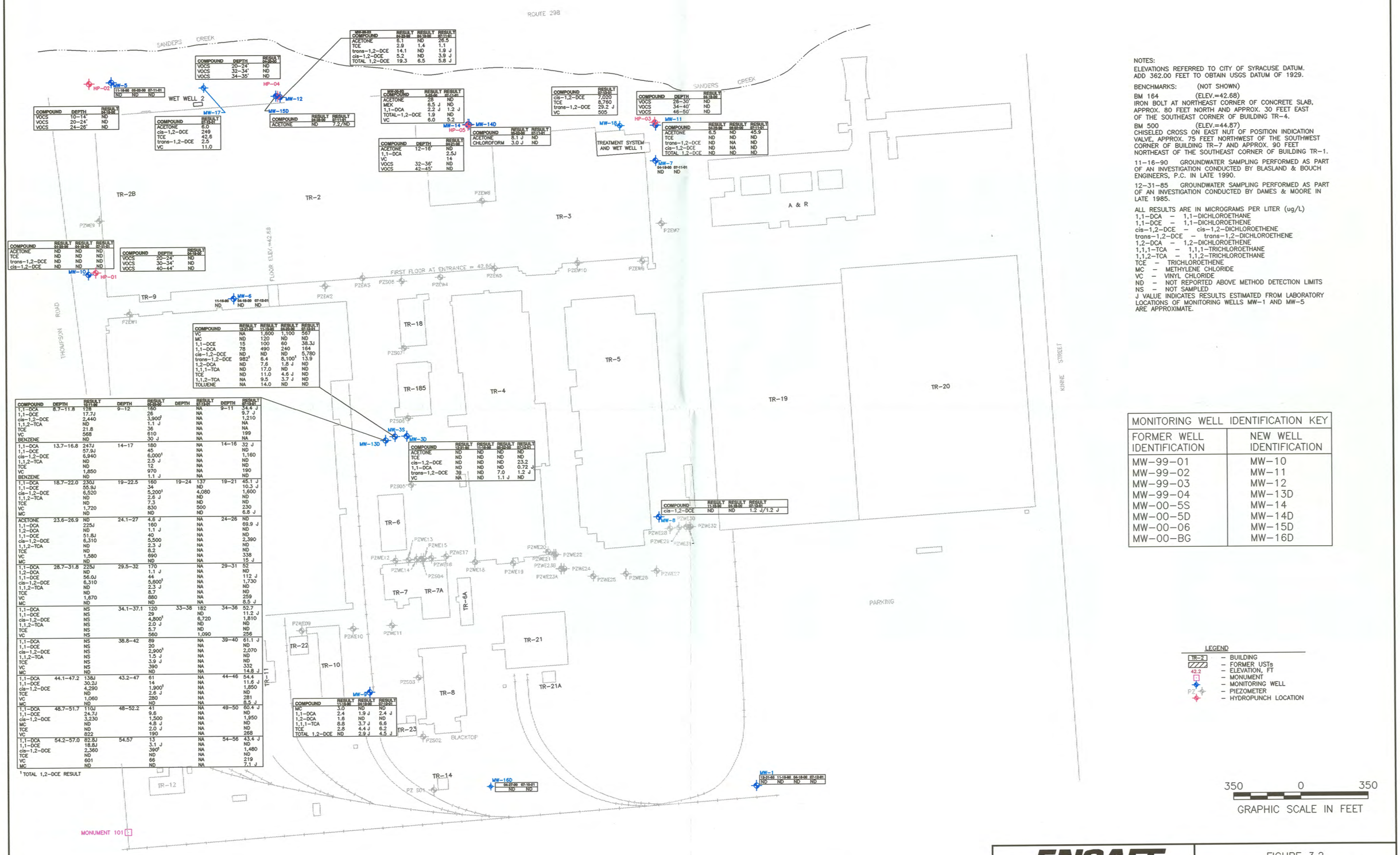
Table 3.4
Summary of Piezometer and Groundwater Data

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	PVC Riser Length	Well Screen Depth Interval	July 2001		April 2000		October 1999		April 1999	
							Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation
SO-05	8	42.52	42.64	1	7	7 to 8	6.99	35.65	NM	NM	6.24	36.40	NM	NM
SO-06	7	NA	42.08	1	6	6 to 7	NM	NM	NM	NM	6.45	35.63	4.14	37.94
SO-07	12	43.12	42.87	5	7	7 to 12	NM	NM	NM	NM	8.25	34.62	7.89	34.98
SO-08	8	40.09	39.44	1	7	7 to 8	NM	NM	NM	NM	NM	NM	5.71	33.73
EW-01	8	43.30	43.87	5	3	5 to 10	DRY	NM	NM	NM	DRY	NM	NI	NI
EW-02	10	40.30	48.78	5	5	5 to 10	NM	NM	5.07	43.71	11.69	37.09	NI	NI
EW-03	8.3	38.58	38.30	5	3.3	3.3 to 8.3	NM	NM	NM	NM	3.53	34.77	NI	NI
EW-04	10.75	42.30	43.41	5	5.35	5.35 to 10.75	7.93	35.48	NM	NM	7.68	35.73	NI	NI
EW-05	10.7	42.60	42.60	5	5.7	5.7 to 10.7	4.75	37.85	5.27	37.33	5.70	36.90	NI	NI
EW-06	10	42.50	43.14	5	5	5 to 10	NM	NM	NM	NM	4.16	38.98	NI	NI
EW-07	10.75	41.80	41.45	5	5.75	5.75 to 10.75	8.42	33.03	5.69	35.76	7.93	33.52	NI	NI
EW-08	8	38.40	38.13	5	3	3 to 8	3.89	34.21	3.89	34.24	3.99	34.14	NI	NI
EW-09	9.8	38.27	38.02	5	4.8	4.8 to 9.8	6.88	31.14	6.58	31.44	6.97	31.05	NI	NI
EW-10	10.35	42.20	41.90	5	5.35	5.35 to 10.35	5.66	36.24	NM	NM	3.46	38.44	NI	NI
MW-13D (MW-99-04)	56.7	41.58	43.68	50	8.8	6.7 to 56.7	9.30	34.38	7.28	36.40	10.14	NI	NI	NI
MW-14 (MW-00-5S)	15.5	36.60	36.21	5	10.5	10.5 to 15.5	7.20	29.01	5.07	31.14	NI	NI	NI	NI
MW-14D (MW-00-5D)	45.5	36.70	36.37	10	35.5	25.5 to 35.5	0.00	36.37	0.75	35.62	NI	NI	NI	NI

Table 3.4
Summary of Piezometer and Groundwater Data

Well Number	Well Depth	Surface Elevation	Top of Casing Elevation	Well Screen Length	PVC Riser Length	Well Screen Depth Interval	July 2001		April 2000		October 1999		April 1999	
							Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation	Depth to Water From TOC	Groundwater Elevation
MW-15D	33.0	41.20	40.88	10	23.0	23 to 33	4.85	36.03	8.60	32.28	NI	NI	NI	NI
MW-16D	47.5	45.00	44.72	10	37.5	37.5 to 47.5	6.23	38.49	4.73	39.99	NI	NI	NI	NI
MW-17	15.5	36.18	35.61	5	10	10.5-15.5	8.75	26.86	NI	NI	NI	NI	NI	NI
MW-18	15.0	36.67	36.30	5	9.5	10.0-15.0	7.41	28.89	NI	NI	NI	NI	NI	NI

Notes:
* These wells were installed during previous investigations conducted by other consulting firms.
TOC - Top of Casing
Elevations are referenced to the City of Syracuse Datum.
All depths, lengths, and elevations measured in feet.
Piezometers WE-06A - WE-32 are located along an east-west traverse in the southern portion of the facility.
Piezometers SO-01 - SO-08 are located along a north-south traverse in the south and center portions of the facility.
Piezometers EW-01 - EW-10 are located along an east-west traverse in the northern portion of the facility.
Monitoring Wells are 2-inch-diameter stainless steel.
Piezometers are 1-inch-diameter PVC.
NM - Not Measured due to piezometer damage.
NI - Well not yet installed



COMPOUND	DEPTH	RESULT 10-14-90	DEPTH	RESULT 05-30-00	DEPTH	RESULT 07-11-01	DEPTH	RESULT 07-19-01
1,1-DCA	8.7-11.8	128	9-12	160		NA	9-11	34.4 J
1,1-DCE		26		3,900[1]		NA		9.7 J
cis-1,2-DCE		2,440		1.1 J		NA		1,210
1,1,2-TCA		ND		36		NA		NA
TCE		21.8		610		NA		199
VC		568		30 J		NA		NA
BENZENE		ND						
1,1-DCA	13.7-16.8	247J	14-17	180		NA	14-16	32 J
1,1-DCE		57.9J		45		NA		ND
cis-1,2-DCE		6,940		6,000[1]		NA		1,160
1,1,2-TCA		ND		2.5 J		NA		ND
TCE		ND		12		NA		ND
VC		1,650		970		NA		190
BENZENE		ND		1.1 J		NA		ND
1,1-DCA	18.7-22.0	230J	19-22.5	160	19-24	137	19-21	45.1 J
1,1-DCE		55.9J		34		ND		10.3 J
cis-1,2-DCE		6,520		5,200[1]		4,080		1,600
1,1,2-TCA		ND		2.6 J		ND		ND
TCE		ND		7.3		ND		ND
VC		1,720		830		500		230
MC		ND		ND		ND		6.8 J
ACETONE	23.6-26.9	ND	24.1-27	4.6 J		NA	24-26	ND
1,1-DCA		225J		160		NA		69.9 J
1,2-DCA		ND		1.1 J		NA		ND
1,1-DCE		51.8J		40		NA		ND
cis-1,2-DCE		6,310		5,500		NA		2,390
1,1,2-TCA		ND		2.3 J		NA		ND
TCE		ND		8.2		NA		ND
VC		1,580		690		NA		338
MC		ND		ND		NA		15 J
1,1-DCA	28.7-31.8	225J	29.5-32	170		NA	29-31	52
1,2-DCA		ND		1.1 J		NA		ND
1,1-DCE		56.0J		44		NA		112 J
cis-1,2-DCE		5,310		5,600[1]		NA		1,730
1,1,2-TCA		ND		2.3 J		NA		ND
TCE		ND		8.7		NA		ND
VC		1,670		880		NA		259
MC		ND		ND		NA		8.5 J
1,1-DCA		NS	34.1-37.1	120	33-38	182	34-36	52.7
1,1-DCE		NS		29		ND		11.2 J
cis-1,2-DCE		NS		4,800[1]		6,720		1,810
1,1,2-TCA		NS		2.0 J		ND		ND
TCE		NS		5.7		ND		ND
VC		NS		560		1,090		256
1,1-DCA		NS	38.8-42	89		NA	39-40	61.1 J
1,1-DCE		NS		20		NA		ND
cis-1,2-DCE		NS		2,900[1]		NA		2,070
1,1,2-TCA		NS		1.5 J		NA		ND
TCE		NS		3.9 J		NA		ND
VC		NS		390		NA		332
MC		ND		ND		NA		14.8 J
1,1-DCA	44.1-47.2	138J	43.2-47	61		NA	44-46	54.4
1,1-DCE		30.2J		14		NA		11.6 J
cis-1,2-DCE		4,290		1,900[1]		NA		1,850
TCE		ND		2.6 J		NA		ND
VC		1,060		280		NA		281
MC		ND		ND		NA		8.5 J
1,1-DCA	48.7-51.7	110J	48-52.2	41		NA	49-50	60.4 J
1,1-DCE		24.7J		9.6		NA		ND
cis-1,2-DCE		3,230		1,500		NA		1,950
MC		ND		4.8 J		NA		ND
TCE		ND		2.0 J		NA		ND
VC		822		190		NA		268
1,1-DCA	54.2-57.0	82.8J	54.57	13		NA	54-56	43.4 J
1,1-DCE		18.8J		3.1 J		NA		ND
cis-1,2-DCE		2,360		390[1]		NA		1,480
TCE		ND		ND		NA		ND
VC		601		66		NA		219
MC		ND		ND		NA		7.1 J

[1] TOTAL 1,2-DCE RESULT

NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM. ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

11-16-90 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY BLASLAND & BOUCH ENGINEERS, P.C. IN LATE 1990.

12-31-85 GROUNDWATER SAMPLING PERFORMED AS PART OF AN INVESTIGATION CONDUCTED BY DAMES & MOORE IN LATE 1985.

ALL RESULTS ARE IN MICROGRAMS PER LITER (ug/L)
1,1-DCA – 1,1-DICHLOROETHANE
1,1-DCE – 1,1-DICHLOROETHENE
cis-1,2-DCE – cis-1,2-DICHLOROETHENE
trans-1,2-DCE – trans-1,2-DICHLOROETHENE
1,2-DCA – 1,2-DICHLOROETHENE
1,1,1-TCA – 1,1,1-TRICHLOROETHANE
1,1,2-TCA – 1,1,2-TRICHLOROETHANE
TCE – TRICHLOROETHENE
MC – METHYLENE CHLORIDE
VC – VINYL CHLORIDE
ND – NOT REPORTED ABOVE METHOD DETECTION LIMITS
NS – NOT SAMPLED
J VALUE INDICATES RESULTS ESTIMATED FROM LABORATORY
LOCATIONS OF MONITORING WELLS MW-1 AND MW-5 ARE APPROXIMATE.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND
TR-2 – BUILDING
– FORMER USTs
42.2 – ELEVATION, FT
– MONUMENT
– MONITORING WELL
PZ-4 – PIEZOMETER
– HYDROPUNCH LOCATION

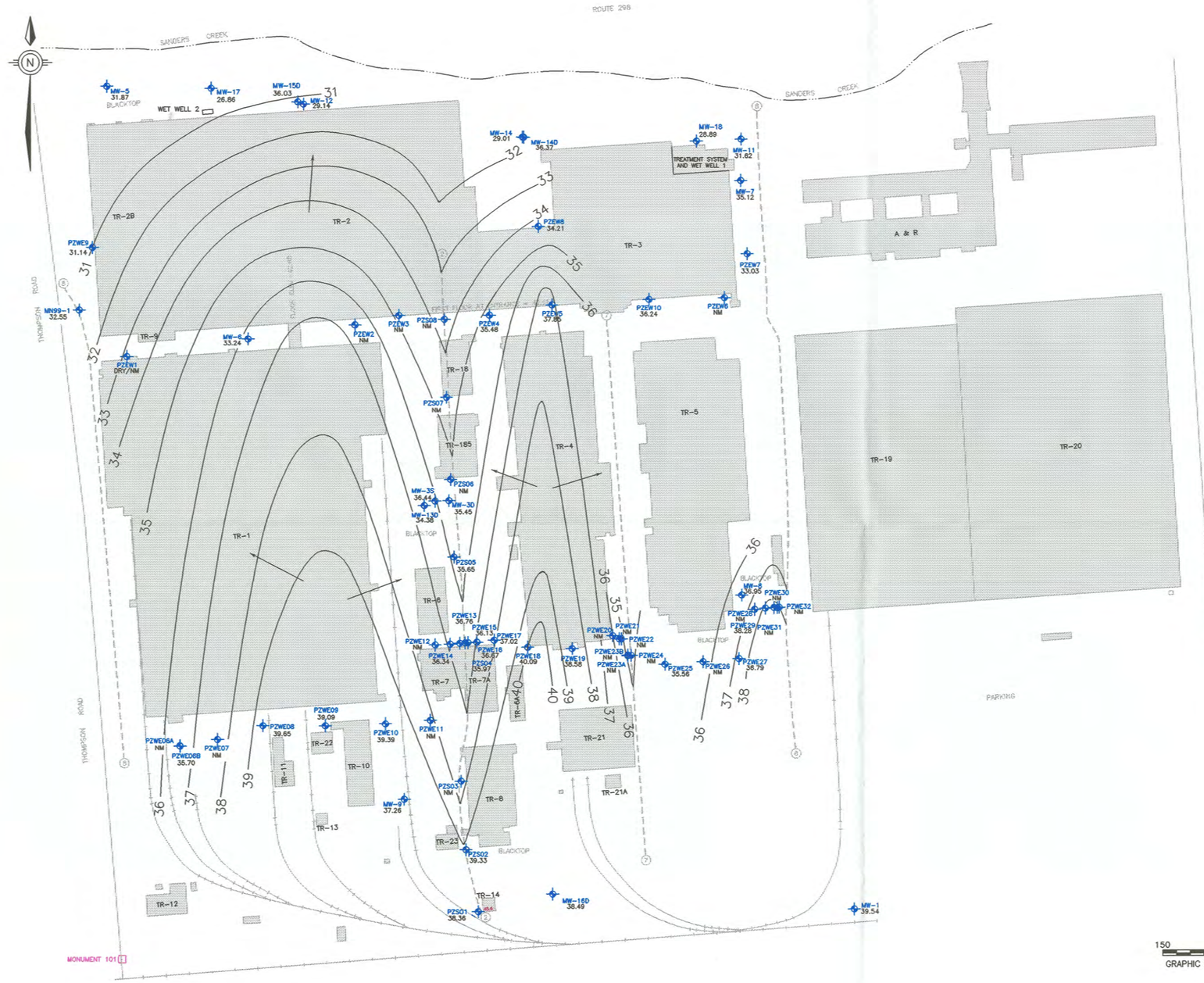
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GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

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LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3.2
VOCs IN GROUNDWATER
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 09/18/01 | DWG NAME:3133031R002



NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM. ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.

OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS OF WHICH ARE CURRENTLY UNKNOWN.

WATER LEVELS MEASURED JULY 9 THRU 12, 2001

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND

- BUILDING
- 42.20 – GROUNDWATER ELEVATION, FT
- MONUMENT
- PZ – MONITORING WELL
- PIEZOMETER
- GROUNDWATER FLOW DIRECTION
- 40 – GROUNDWATER ELEVATION CONTOUR
- STORM DRAIN MAIN LINE
- (7) – ENSAFE STORM DRAIN REFERENCE NUMBER
- NM – NOT MEASURED (PIEZOMETER (DESTROYED)
- FORMER RAILROAD SPUR LOCATION

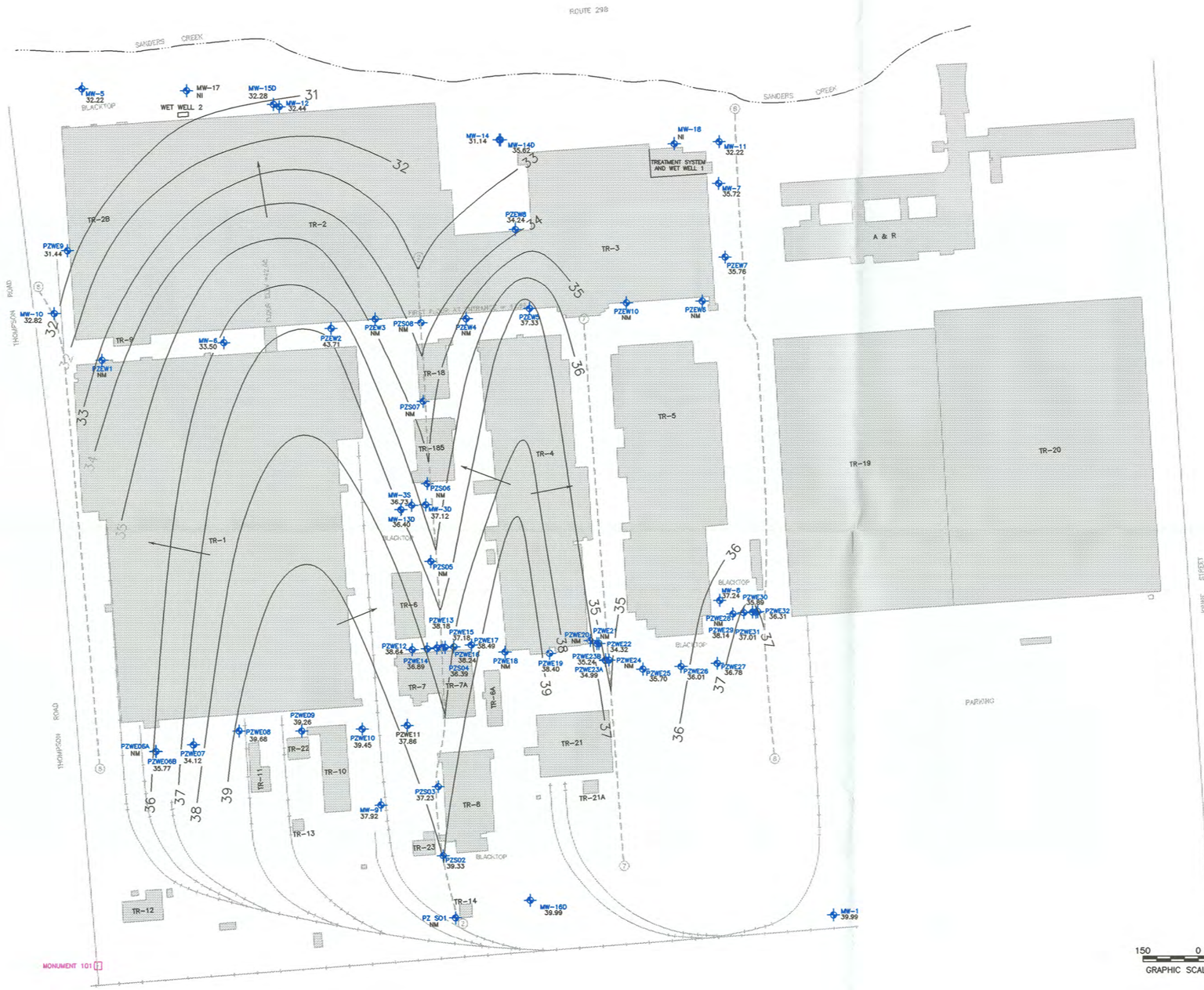
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GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

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LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3.3
POTENTIOMETRIC SURFACE
JULY, 2001
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 09/18/01 | DWG NAME:3133031R003



NOTES:

ELEVATIONS REFERRED TO CITY OF SYRACUSE DATUM. ADD 362.00 FEET TO OBTAIN USGS DATUM OF 1929.

LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENTS WHERE POSSIBLE, OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY.

OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS OF WHICH ARE CURRENTLY UNKNOWN.

WATER LEVELS MEASURED APRIL 17, 2000

BENCHMARKS: (NOT SHOWN)

BM 164 (ELEV.=42.68)
IRON BOLT AT NORTHEAST CORNER OF CONCRETE SLAB, APPROX. 80 FEET NORTH AND APPROX. 30 FEET EAST OF THE SOUTHEAST CORNER OF BUILDING TR-4.

BM 500 (ELEV.=44.87)
CHISELED CROSS ON EAST NUT OF POSITION INDICATION VALVE, APPROX. 75 FEET NORTHWEST OF THE SOUTHWEST CORNER OF BUILDING TR-7 AND APPROX. 90 FEET NORTHEAST OF THE SOUTHEAST CORNER OF BUILDING TR-1.

MONITORING WELL IDENTIFICATION KEY	
FORMER WELL IDENTIFICATION	NEW WELL IDENTIFICATION
MW-99-01	MW-10
MW-99-02	MW-11
MW-99-03	MW-12
MW-99-04	MW-13D
MW-00-5S	MW-14
MW-00-5D	MW-14D
MW-00-06	MW-15D
MW-00-BG	MW-16D

LEGEND

- BUILDING
- 42.20 – ELEVATION, FT
- MONUMENT
- MONITORING WELL
- PZ – PIEZOMETER
- GROUNDWATER FLOW DIRECTION
- 40 – GROUNDWATER ELEVATION CONTOUR
- STORM DRAIN MAIN LINE
- (7) – ENSAFE STORM DRAIN REFERENCE NUMBER
- NM – NOT MEASURED
- NI – WELL NOT INSTALLED AT THIS TIME
- FORMER RAILROAD SPUR LOCATION

SOURCE:
PHILLIPS & ASSOCIATES
SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN
LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL
LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3.4
POTENTIOMETRIC SURFACE
APRIL, 2000
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 09/18/01 | DWG NAME:3133031R004

In MW-17, fill and topsoil material were encountered to a depth of 2.5 feet bgs followed by coarse gravel consisting of angular limestone rock fragments to a depth of 11.5 feet bgs. A thin silt to clayey silt unit was encountered from 11.5 to 12 feet, which abruptly graded into coarse gravel from 12 to 14 feet bgs. Silt was encountered from 14 to 15 feet bgs with a minor amount of perched water. The dry silt was in sharp contact with a tan wet silt to 15.5 feet bgs.

In MW-18, beneath the approximately 2-foot thick topsoil materials, coarse gravel composed of angular limestone rock fragments was intermixed with finer gravel and sand-sized material to the 15-foot bgs total depth of the well. The gravel became wet at approximately 10 feet bgs.

Both groundwater monitoring wells were constructed using stainless-steel components installed inside the hollow-stem augers. A 5-foot stainless steel, 0.010-inch slot screen with end cap was used as well as 10 feet of stainless steel riser in each well. A locking expansion cap was placed at the top of the riser. Filter sand was installed around the well materials from total depth to 2 feet above the top of the screen. A 2-foot thick seal of bentonite pellets was placed above the sand in each well. The bentonite pellets were hydrated with potable water and allowed to stand for at least four hours prior to continuing well construction activities. The remaining annular space was filled with a bentonite-cement grout mixture. Each well was finished flush with the ground surface using a bolt-down protective cover set to a depth of 2 feet bgs in a 2-foot by 2-foot by 2-foot concrete pad.

Both wells were developed until the water was visually clear and sampled the following day using techniques described above. Groundwater sample results (Appendix B) are summarized in Table 3.3 and shown on Figure 3.2. *cis*-1,2-DCE, *trans*-1,2-DCE, TCE, and vinyl chloride were detected in the samples collected from each well. Concentrations of *cis*-1,2-DCE, TCE, and vinyl chloride exceeded their New York State Ambient Water Quality Standards and Guidance Values/Principal Organic Contaminant Standards of 5 μg/L, 5 μg/L, and 2 μg/L, respectively, in both wells. *Trans*-1,2-DCE exceeded standard of 5 μg/L in MW-18.

Currently, the only wells impacted with VOC detections in the vicinity of the stormwater lines are MW-17 and MW-18. MW-5, MW-12, MW-14, and MW-14D — along the northern

Carrier property boundary in the vicinity of MW-17 — do not exhibit substantial concentrations of chlorinated solvents. These compounds were not detected in MW-5, MW-12, and only low concentrations of these compounds were detected in MW-15. Also, no detectable concentrations of VOCs were found in groundwater samples collected in the deep hydropunch boring HP-02 near well MW-5.

MW-07, MW-11, MW-14, MW-14D — located in the vicinity of well MW-18 — exhibit low to no dissolved concentrations of chlorinated solvents, as does the deep hydropunch boring HP-04 near MW-12. No chlorinated solvents have been detected in MW-07, MW-11, or in the adjacent deeper hydropunch boring HP-03. Farther west of the MW-18, no solvents have been detected in groundwater from deep monitoring well MW-14D and only low concentrations have been identified in shallow well MW-14. Low concentrations of chlorinated solvents were detected in the sample collected from the shallow interval within the hydropunch boring installed at this location (HP-05). No chlorinated solvents were detected in samples collected from deeper intervals in this boring.

3.3 SWMUs 5 and 6

NYSDEC Comment 3: The extent, nature and rate of migration of contamination beneath the former 8,000 gallon concrete Storage Tanks #1 and #2 (SWMUs 5 and 6) must be assessed.

As outlined in the RFI work plan, a direct push technology (DPT) investigation was proposed at these SWMUs area with four to six DPT borings installed to groundwater in and around to the tank hold (Figure 3.5). Seven DPT borings were installed to groundwater or refusal as part of the RFI activities. In accordance with the approved work plan, soil samples were collected from three of the borings at depths estimated to be below the former tanks. Samples were analyzed for pH, cyanide, VOCs, and the metals identified in Carrier's SPDES permit copper, lead, manganese, and nickel.

Two soil borings (SB-1 and SB-2) were installed and sampled continuously to groundwater north (immediately down gradient) of the former tank location. Groundwater was encountered at approximately 8 to 10 feet bgs at these two locations. Additional soil borings SB-3 to SB-6 were

installed south of the initial two borings. During drilling, refusal was encountered at approximately 6 feet bgs and a perched water zone — thought to be the water collected by the former tank hold — was identified in all four borings. This refusal may represent the bottoms of the former concrete tanks, indicating the tanks may have been left in place and backfilled with fill material. A sample of the perched "groundwater" was collected from SB-4 at the direction of Mr. Tim DiGiulio, who provided oversight for the NYSDEC. Boring SB-7, located immediately south of the former tanks, was installed and sampled continuously to groundwater (approximately 10 feet bgs). Following the work plan protocols, one soil sample was collected from borings SB-1, SB-2, and SB-7 from the 2-foot interval above the first indication of groundwater. The groundwater samples were submitted for the same analysis as soil.

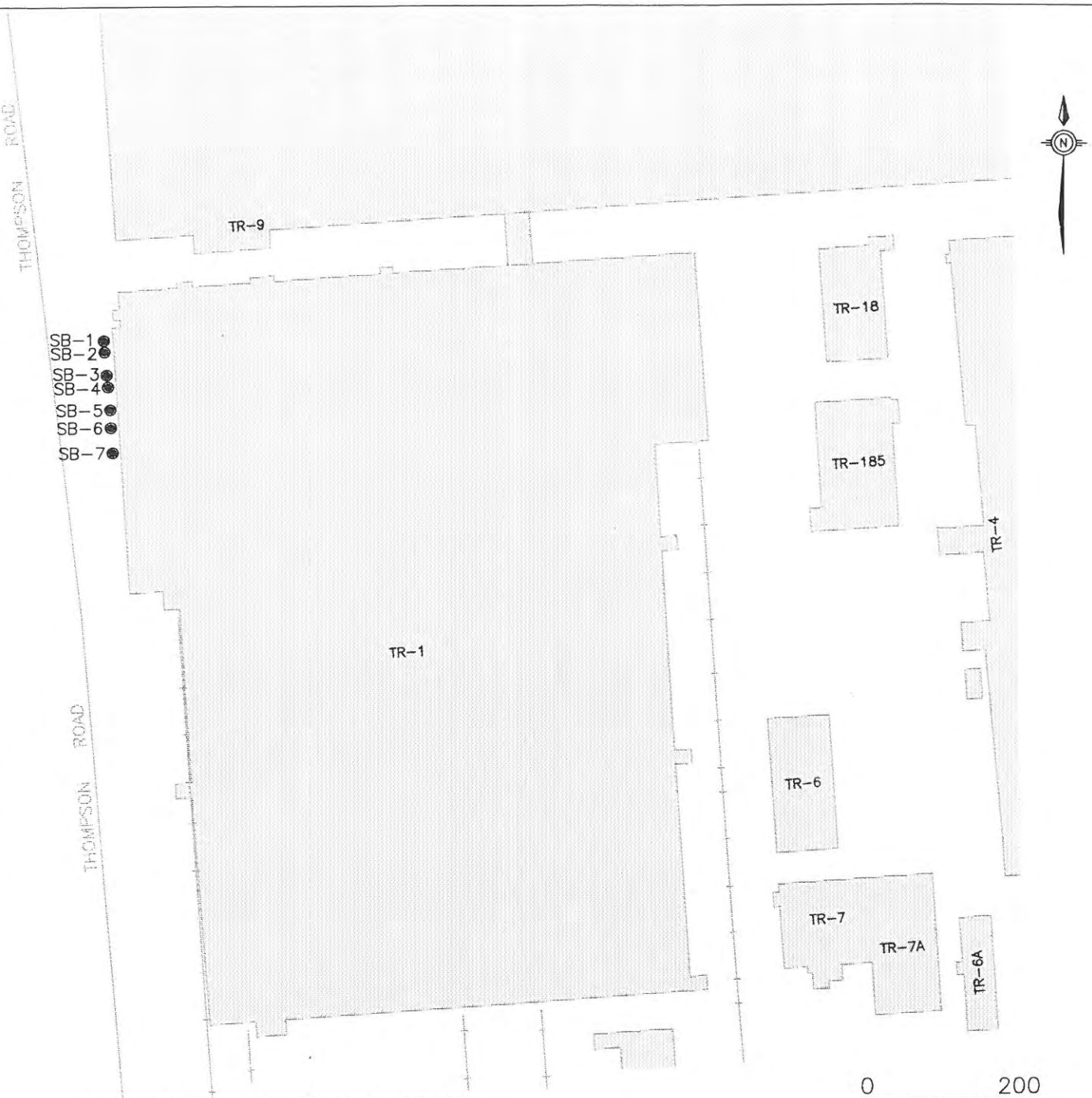
VOC results from SWMUs 5 and 6 are summarized in Table 3.5 and on Figure 3.5. None of the VOCs detected in soils exceeded the New York soil cleanup objectives protective of groundwater. Soil pH ranged from 7.8 to 8.6. Cyanide did not exceed reporting limits (1.1 mg/kg) in samples from SB-1, SB-2, and SB-3-7. Copper was also below the New York soil cleanup objective of 25 mg/kg in samples from SB-1 and SB-7. Copper slightly exceeded the soil cleanup objective at 25.7 mg/kg in the 8 to 10 foot bgs sample from SB-2. Lead ranged from 3.4 to 9.2 mg/kg in the three samples. The New York soil cleanup objective for lead is the site background, which has not been established at the Carrier facility. Manganese ranged from 308 mg/kg to 525 mg/kg in the three samples. The New York soil cleanup objective for manganese is the site background, which has not been established at the Carrier Thompson Road facility. Nickel was identified in samples from SB-1 and SB-2 at concentrations below the New York soil cleanup objective of 13 mg/kg. In the SB-7 sample nickel was detected at 23.3 mg/kg, which slightly exceeds the soil cleanup objective. Table 3.5 also summarizes the metals analytical results at SWMUs 5 and 6.

Table 3.5
SWMU 5 and 6 Soils Metals Results (mg/kg)

	Copper	Lead	Manganese	Nickel	
SB-1	15.9	3.7	308	10.7	
SB-2	25.7	3.4	525	8.9	
SB-7	23.6	9.2	312	23.3	
	1,1-DCA	***cis*-1,2-DCE**	***trans*-1,2-DCE**	**TCE**	**Vinyl Chloride**
SB-4 (gw)	7.7	281	26.8	38.7	8.8

A perched "groundwater" sample from a depth of 2 feet bgs was collected from boring SB-4 and contained the VOCs 1,1-DCE at 1.8J μg/L, *cis*-1,2-DCE at 281 μg/L, *trans*-1,2-DCE at 26.8 μg/L, TCE at 38.7 μg/L, and vinyl chloride at 8.8 μg/L. This sample is not a true "groundwater" sample, but likely represents water that collected in tank hold that was trapped due to the higher permeability of the fill material. All constituents except 1,1-DCE exceed their respective New York State standards. However, concentrations of these VOCs in the perched water at this location are consistent with groundwater concentrations in other areas of the site.

The groundwater sample had a pH of 11.1 and contained several metals in dissolved concentrations: arsenic (5.2 μg/L), iron (29,000 μg/L), lead (13.1 μg/L), manganese (4,600 μg/L), and nickel (272 μg/L). The high metals concentrations are partly attributed to the turbidity of the sample, which had a high fraction of suspended clay and silt-sized particles due to the nature of the backfill material in the borehole sampled. The sample was collected as a grab sample with a disposable bailer and not from a temporary monitoring point. Therefore, the grab perched "groundwater" sample indicates dissolved concentrations of chlorinated solvents are present near these SWMUs, in this contained area. However, concentrations appear localized to this perched groundwater interval contained within the tank hold area as these compounds have not been detected in a shallow groundwater monitoring well (MW-12) approximately 175 feet north of the SWMU 5 and 6, or in the hydropunch groundwater samples collected from the hydropunch boring (HP-01) adjacent to MW-12.



NOTE: SB-3 THROUGH SB-6 NOT SAMPLED

SWMU's 5 and 6 DATA SUMMARY
JULY 2001
CARRIER FACILITY, THOMPSON ROAD, SYRACUSE, NY
(ALL RESULTS IN ug/kg OR ug/L)

	SB-1 (CARSW56110)	SB-2 (CARSW56208)	SB-7 (CARSW56706)	SB-4 (groundwater) (CARSW56401)
acetone	ND	ND	30.6	ND
1,1-DCA	ND	ND	4.8J	7.7
1,1-DCE	ND	ND	ND	1.8J
cis-1,2-DCE	78.7	ND	ND	281
trans-1,2-DCE	ND	ND	ND	26.8
ethylbenzene	ND	4.2J	ND	ND
TCE	109	ND	ND	38.7
Xylene (total)	ND	16.3	ND	ND
Vinyl Chloride	ND	ND	ND	8.8

LEGEND

TR-2 – BUILDING

● – SOIL BORING LOCATION

ENSAFE

FIGURE 3.5
SWMU'S 5 & 6 SOIL BORING LOCATIONS
CARRIER CORPORATION
SYRACUSE, NEW YORK

3133-031	DESIGNED: X	SCALE: AS SHOWN	REV.:	
	DRAWN BY: ALW	DATE: 09/12/01	APPR'D:	
JOB NO.	FILE NAME: G:\ENSAFEUSER\ENSAFECAD\3133\DWG01\3133R086			SHT 1 OF 1

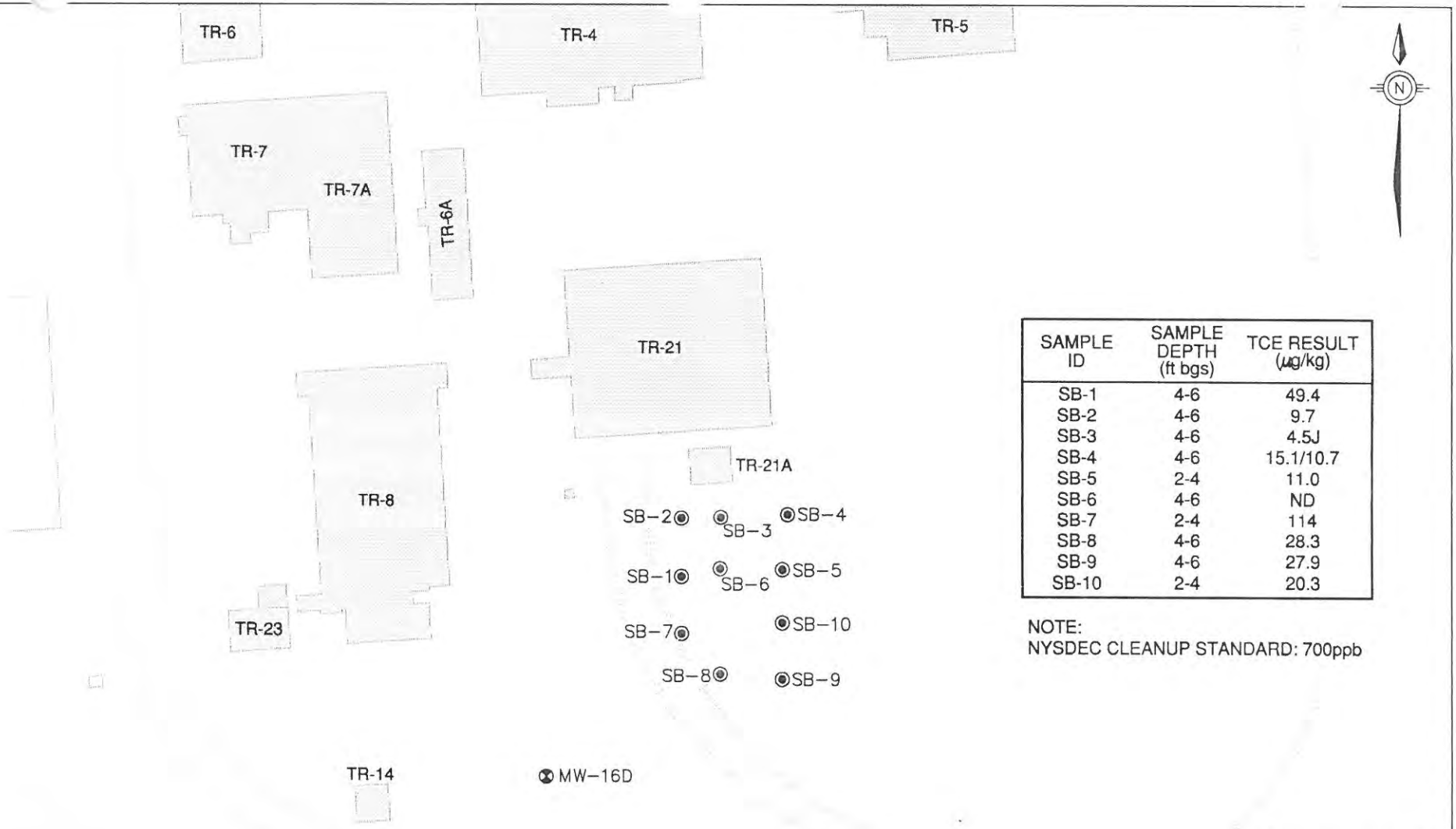
3.4 PSA-2

NYSDEC Comment 4: The extent and nature of contamination reported in the area of PSA-2, (Hydrogeologic Evaluation; Carrier Corporation, Syracuse New York January 1991 boring B-2) must be assessed. This should include an investigation into the possible origin of this contamination.

During a hydrogeologic evaluation conducted by Blasland, Bouck, and Lee, halogenated VOCs were found in soil boring B-2. This soil boring encountered a local confining layer and was terminated at 22 feet. Vinyl chloride was detected at two depths (89 ppb at 15 to 17 feet and 200 ppb at 20 to 22 feet). Two compounds were detected in the soil sample from the local clay confining unit at 20 to 22 feet: 1,1-dichloroethane (130 ppb) and 1,1,1-trichloroethane (33 ppb).

To determine the possible origin of groundwater contamination in B-2, a shallow soil investigation with a DPT rig was undertaken as part of the RFI. Ten DPT soil borings were advanced at locations shown a Figure 3.6. The borings were continuously sampled for lithology to the water table. Soil samples were screened for VOCs at 2-foot intervals using a photoionization detector (PID). One sample from each boring was sent to an offsite laboratory for VOC analysis. The field screening data were used to determine which sample from each boring was retained for laboratory analysis. However, if field-screening data did not indicate the presence of VOCs, the bottom most soil sample was submitted to the laboratory for analysis. In most cases, the bottom-most sample was used.

VOCs concentrations are also shown on Figure 3.6. The only VOC detected in any sample was TCE. No VOCs were detected in sample SB-6. TCE was detected in all other borings at concentrations ranging from 4.5 J μg/kg to 114 μg /kg. These concentrations are below the New York soil cleanup objectives protective of groundwater (700 μg/kg) and the New York soil cleanup objective concentrations (also 700 μg/kg).



SAMPLE ID	SAMPLE DEPTH (ft bgs)	TCE RESULT (µg/kg)
SB-1	4-6	49.4
SB-2	4-6	9.7
SB-3	4-6	4.5J
SB-4	4-6	15.1/10.7
SB-5	2-4	11.0
SB-6	4-6	ND
SB-7	2-4	114
SB-8	4-6	28.3
SB-9	4-6	27.9
SB-10	2-4	20.3

NOTE:
NYSDEC CLEANUP STANDARD: 700ppb

0 150

SCALE IN FEET

LEGEND

TR-2	– BUILDING
⊗	– MONITORING WELL/PIEZOMETER LOCATION
◉	– DPT BORING LOCATION
49.4	– TCE CONCENTRATION (IN µg/kg)
	– FORMER RAILROAD SPUR LOCATION
ND	– NOT DETECTED ABOVE METHOD REPORTING LIMIT

ENSAFE

FIGURE 3.6
PSA 2 SOIL SAMPLE LOCATIONS
CARRIER CORPORATION
SYRACUSE, NEW YORK

3133-031	DESIGNED: X	SCALE: AS SHOWN	REV.: JER	
	DRAWN BY: ALW	DATE: 09/18/01	APPR'D:	
JOB NO.	FILE NAME: G:\A-L\CARRIER\SYRACUSE\DWG01\RF101\3133R006			SHT 1 OF 1

3.5 Source of PCBs in Sanders Creek

NYSDEC Comment 5: The NYSDEC sediment sampling program in 1996 and 1997 suggests that Carrier may be the source of elevated PCB levels found in Sanders Creek. The RFI must characterize this contamination and determine if Carrier is the source.

In November 1996, two sediment samples (L17, L18) were taken by NYSDEC in Sanders Creek downgradient of the Carrier facility. Aroclor-1260 was present in L18. In October 1997, the NYSDEC performed a second round of sediment sampling in Sanders Creek. Seven sediment samples (L101, L102, L103, L104, L105, L106, and L113) were collected both upgradient and downgradient of the Carrier facility (see Detail 1 and 2 of Figure 3.7). Three PCBs were detected in these sediment samples aroclor-1016, aroclor-1254, and aroclor-1260 (Table 3.6).

In December 2000, EnSafe collected four upgradient sediment samples (SD01 to SD04) from Sanders Creek (see Detail 1 of Figure 3.7) to determine if upgradient sediments contained PCBs, and if so, their possible source. The samples were collected using a decontaminated hand auger from two discrete zones ranging from 0 to 6-inches and 6 to 12-inches below ground surface. Each sample was homogenized using a decontaminated spoon and bowl prior to being placed in the sample container. Analytical results from these samples did not indicate the presence of PCBs (Table 3.6).

The July 2001 RFI focused on two areas of investigation in an effort to better ascertain and determine the potential source and scope of PCBs in the Sanders Creek sediments was the Transformer Yard which is shown on Figure 3.7.

1. In 1995, as part of Carrier's Leak Inspection Program in 1990, several transformers in the Transformer Yard were identified as having leaks. Remedial activities involved repairing and cleaning the transformers and excavating PCB-contaminated soil as follows:

Table 3.6
Summary of Sediment Sampling In Sanders Creek
(All results in mg/kg)

Sediment Sample ID	PCBs				Sampled by:
	Aroclor-1016	Aroclor-1254	Aroclor-1260	TOC	
MH-39	ND	ND	1.27	NA	EnSafe, 07-2001
MH-76	ND	ND	10.2	NA	EnSafe, 07-2001
MH-77	ND	0.437	0.477	NA	EnSafe, 07-2001
MH-97	ND	0.441	0.38	NA	EnSafe, 07-2001
MH-101	ND	ND	ND	NA	EnSafe, 07-2001
MH-102	ND	ND	0.105	NA	EnSafe, 07-2001
MH-115	ND	ND	0.964	NA	EnSafe, 07-2001
MH-116	ND	ND	0.411	NA	EnSafe, 07-2001
MH-256	ND	0.0798	0.062	NA	EnSafe, 07-2001
001 (0-6")	ND	ND	1.4	NA	EnSafe, 07-2001
002 (0-6")	ND	ND	ND	NA	EnSafe, 07-2001
(6-12")	ND	ND	ND	NA	
03 (0-6")	ND	ND	0.27	NA	EnSafe, 07-2001
(6-12")	ND	3.66	ND	NA	
04 (0-6")	ND	ND	0.8	NA	EnSafe, 07-2001
(6-12")	ND	ND	0.468	NA	
05 (0-6")	ND	ND	ND	NA	EnSafe, 07-2001
(6-12")	ND	ND	1.18	NA	
006 (0-6")	ND	ND	0.603	NA	EnSafe, 07-2001
007 (0-6")	ND	ND	2.22	NA	EnSafe, 07-2001
008 (0-6")	ND	ND	0.65	NA	EnSafe, 07-2001
(6-12")	ND	ND	0.046	NA	
CARSSD0000	ND	ND	ND	4,300	EnSafe, 12-2000
CARSSD0100	ND	ND	ND	7,900	EnSafe, 12-2000
CARSSD0101	ND	ND	ND	7,800	EnSafe, 12-2000
CARSSD0200	ND	ND	ND	3,900	EnSafe, 12-2000
CARSSD0201	ND	ND	ND	3,700	EnSafe, 12-2000
CARSSD0300	ND	ND	ND	10,000	EnSafe, 12-2000
CARSSD0301	ND	ND	ND	3,500	EnSafe, 12-2000
CARSSD0400	ND	ND	ND	3,800	EnSafe, 12-2000
CARSSD0401	ND	ND	ND	4,900	EnSafe, 12-2000
CARMSD0400	ND	ND	ND	9,600	EnSafe, 12-2000
L17	ND	ND	ND	NA	NYSDEC, 11-1996
L18	ND	ND	0.016 J	NA	NYSDEC, 11-1996
L101	ND	ND	ND	K	NYSDEC, 10-1997
L102	0.034 JP	2.133 D	7.4 D	33,900 K	NYSDEC, 10-1997
L103	0.068 PJN	1.8 D	7.9 D	24,900 K	NYSDEC, 10-1997
L105	ND	ND	ND	20,700 K	NYSDEC, 10-1997
L113	NA	NA	NA	NA	NYSDEC, 10-1997

Notes:
NA — Not Available
ND — Not Detected
U — The material was analyzed, but the parameter was not detected above the listed quantitation limit.
PJ, K — The NYSDEC data presented in this table is from a report entitled *"Onondaga Lake NPL Site Tributary Sampling First Round Report, Onondaga Lake NPL Site Remedial Program"* New York State Department of Environmental Conservation, October 1997 and sampling data collected in 1998. These qualifiers are not defined.

NYSDEC SEDIMENT SAMPLE LOCATIONS (SEE DETAIL 2)

NYSDEC SEDIMENT SAMPLE LOCATIONS (SEE DETAIL 3)

ROUTE 298

SANDERS CREEK

OUTFALL 002 — 003: 0.270 / 3.660

001: 1.4

002: ND / ND

004: 0.80 / 0.468

OUTFALL 004

005: ND / 1.18

OUTFALL 005

OUTFALL 006 — 006: 0.06

007: 2.22

OUTFALL 007

008: 0.65 / 0.046

HORIZONTAL CONNECTOR LINE

MH1 MH2 MH3 MH4 MH5 MH6 MH7 MH8 MH9 NS MH10 MH11 MH12 MH13 MH14 MH15 MH16 MH17 MH18 MH19 MH20 MH21 MH22 MH23 MH24 MH25 MH26 MH27 MH28 MH29 MH30 MH31 MH35 MH36 MH37 MH38 MH39 AROCLOR 1260–0.388 MH41 MH42 MH43 MH44 MH45 MH46 MH47 MH48 MH49 MH50 MH51 MH52 MH54 MH55 MH56 MH57 MH58 MH59 MH60 MH61 MH62 MH63 MH64 MH65 MH66 MH67 MH68 MH69 MH71 MH72 MH73 MH74 MH75 MH76 AROCLOR 1260–10.2 MH77 AROCLOR 1254–0.437 AROCLOR 1260–0.477 MH78 MH79 MH80 MH81 MH82 MH83 MH84 MH85 MH86 MH87 MH88 MH90 MH91 MH97 AROCLOR 1254–0.441 AROCLOR 1260–0.38 MH98 MH99 MH100 MH101 PCBs–ND MH102 AROCLOR 1260–0.105 MH103 NA MH107 MH108 MH109 MH110 MH111 MH112 MH113 MH114 MH115 AROCLOR 1260–0.964 MH116 AROCLOR 1260–0.411 MH117 MH118 MH119 MH120 MH122 MH123 MH124 MH125 MH126 MH127 MH128 MH129 MH130 MH131 MH132 MH133 MH134 MH135 MH136 MH137 MH138 MH139 MH140 MH141 MH142 MH143 MH144 MH144A MH147 MH148 MH149 MH150 MH151 MH152 MH153 MH154 MH155 MH156 MH157 MH158 MH159 MH160 MH161 MH162 MH163 MH165 MH167 MH168 MH169 MH170 MH171 MH172 MH173 MH174 MH175 MH176 MH177 MH178 MH179 MH180 MH181 MH182 MH183 MH184 MH186 MH187 MH188 MH189 MH190 MH191 MH192 MH193 MH194 MH195 MH196 MH196A MH196B MH196C MH196D MH196E MH197 MH198 MH199 MH200 MH201 MH202 MH202A MH202B MH202C MH202D MH202E MH203 MH204 MH205 MH206 MH207 MH208 MH218 MH219 MH220 MH220B MH222 MH222A MH222B MH224 MH225 MH226 MH227 MH228 MH230 MH230A MH231 MH232 MH234 MH243 MH248 MH253 MH254 MH259 MH259A MH259B MH259C MH277 MH001A NS MH002A MH006A MH006B MH006C MH007A NS MH203

CB106 CB107 CB109 CB153 CB202A

TR-1 TR-2 TR-2B TR-3 TR-4 TR-5 TR-6 TR-7 TR-7A TR-8 TR-9 TR-10 TR-11 TR-12 TR-13 TR-14 TR-18 TR-19 TR-20 TR-21 TR-21A TR-22 TR-23 TR-185

A & R

PSA-1

SWMU'S 5 & 6

THOMPSON ROAD

TRASFORMER YARD (SEE DETAIL 1)

200 0 200

GRAPHIC SCALE IN FEET

LEGEND

- BUILDING
- NS — MANHOLE NOT SAMPLED DUE TO LACK OF SEDIMENT/ EQUIPMENT OVER LOCATION
- NA — MANHOLE NOT SAMPLED (COULD NOT LOCATE)
- ND — CONCENTRATIONS OF PCBs WAS BELOW METHOD DETECTION LIMITS OF mg/kg
- MH O — MANHOLE
- MH103 O — MANHOLE SAMPLED (mg/kg)
- SEDIMENT SAMPLE LOCATION (mg/kg)
- ND / 1.18 — (0–6') / (6–12')
- NYSDEC SEDIMENT SAMPLE LOCATION
- STORM SEWER AND SIZE

SOURCE:
PHILLIPS & ASSOCIATES SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

3 NYSDEC SEDIMENT SAMPLE LOCATIONS (mg/kg)

THE QUALIFIERS USED WERE OBTAINED FROM A NYSDEC GENERATED REPORT, AND WERE NOT DEFINED.

L106 — AROCLOR 1254–0.083PJ, AROCLOR 1260–0.170K
L105 — ND
COURT ST
SD04 — ND / ND
SD03 — ND / ND
SD01 — ND / ND
SD02 — ND / ND
L104 — AROCLOR 1254–0.140K, AROCLOR 1260–0.083K

2 NYSDEC SEDIMENT SAMPLE LOCATIONS (mg/kg)

CARRIER CIRCLE
CARRIER PARKWAY
SANDERS CREEK
THOMPSON ROAD
L18 — AROCLOR 1260–.016J
L101 — ND
L103 — AROCLOR 1016–.068, AROCLOR 1254–1.8, AROCLOR 1260–7.9
L102 — AROCLOR 1016–0.034, AROCLOR 1254–2.133, AROCLOR 1260–7.4

1 TRANSFORMER YARD DETAIL

APPROXIMATE SCALE: 1"=800'

ASPHALT, GRASS, GRAVEL DRIVE, NORTH TRANSFORMER, MIDDLE TRANSFORMER, SOUTH TRANSFORMER, KINNE STREET

NOTES
SAMPLE LOCATIONS ARE APPROXIMATE

ROUND I (mg/kg) 5/15/96 TO 6"		ROUND II (mg/kg) 6/27/96 TO 6"		ROUND III (mg/kg) 7/12/96		CONFIRMATION SAMPLES 7/12/96			CONFIRMATION SAMPLES 8/19/96		
SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE DEPTH	SAMPLE I.D.	PCB RESULTS (AROCLOR 1260)	SAMPLE DEPTH
1	ND	20	6	31	1500	30	440	12"	29	<1	?
2	1	21	ND	32	8		810	18"	30	<1	?
3	1	22	2	33	1	18	9200	12"	31	23	?
4	1	23	ND	34	440		2600	18"	18	47	?
5	ND	24	11			27	34	12"	27	<1	?
6	ND	25	3				26	18"			
7	ND	26	290								
8	ND	27	240								
9	1	28	31								
10	ND	29	9500								
11	ND	30	1300								
12	ND										
13	1										
14	ND										
15	7										
16	ND										
17	1										
18	3600										
19	4										

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE
CHARLESTON,SC CINCINNATI,OH DALLAS,TX JACKSON,TN KNOXVILLE,TN LANCASTER,PA NASHVILLE,TN NORFOLK,VA PADUCAH,KY PENSACOLA,FL LITTLE ROCK,AR JACKSON,MS CLEVELAND,OH

FIGURE 3.7
PCB MAP
CARRIER CORPORATION
SYRACUSE, NEW YORK

DWG DATE: 10/01/01 | DWG NAME:3133031R007

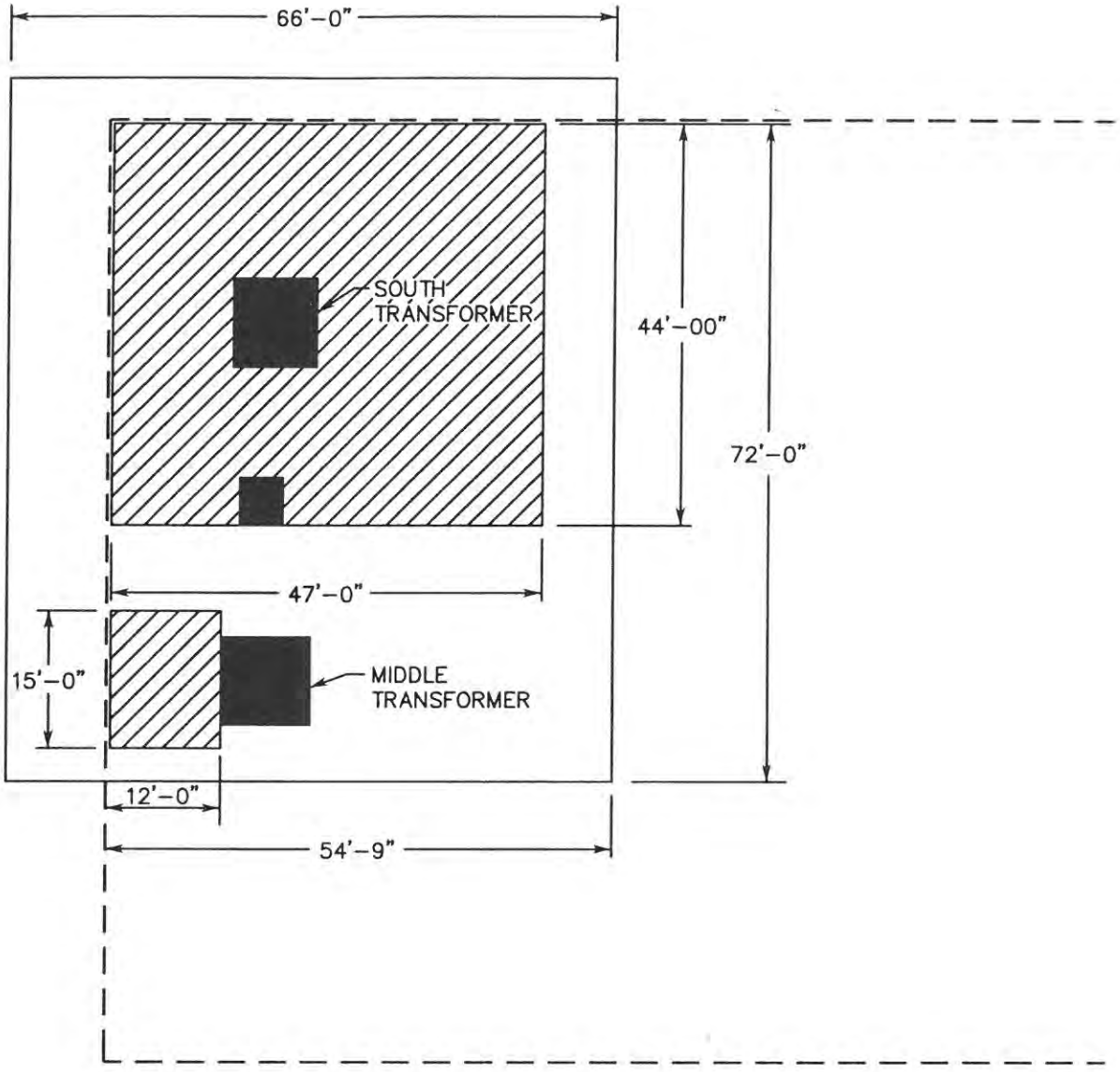
- Previously, the transformers were repaired and were reclassified as non-PCB-containing as part of a retrofill project. The mineral oil in the transformers were resampled and contained PCBs ranging from 9 ppm to 29 ppm.

- The contaminated gravel and soil were removed and the concrete bases of the transformers were cleaned.

- Two composite samples were obtained from the area of suspected PCB contamination. Analytical results showed these samples to contain 52 mg/kg and 61 mg/kg PCBs. Contaminated soil was excavated and stockpiled in the Transformer Yard. The soil was placed in a container and properly disposed of. Figure 3.8 shows the approximate layout of the Transformer Yard and the original excavation area.

- In 1996, a sampling plan based on the *EPA Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup* was prepared, and soil confirmation soil samples were collected from the Transformer Yard, as shown on Figure 3.7. The sampling locations and results are summarized in Table 3.7 (shown previously). PCB-contaminated soil estimated at a depth of 1 to 2 feet (totaling approximately 242 cubic yards) was removed and disposed of at the CWM landfill in Model City, New York.

To investigate whether the Transformer Yard is a possible source of PCBs to the storm water systems, sediment samples were sampled from select onsite manholes. The nine manholes containing a enough sediment to be sampled are identified on Figure 3.7 MH-39, MH-76, MH-77, MH-97, MH-101, MH-102, MH-115, MH-116, and MH-256. One manhole proposed for sampling in the RFI work plan could not be sampled due to lack of access (MH-007A). Three manholes could not be sampled due to the lack of sediments (MH-9, MH-78, and MH-103). The proposed manholes were chosen because they appear to either collect storm water runoff from the Transformer Yard area or were the last manhole throughout which storm water from this area flows prior to treatment and discharge to Sanders Creek.



LEGEND

1-FOOT EXCAVATION

ADDITIONAL EXCAVATION

ENSAFE

FIGURE 3.8
SOIL EXCAVATION IN TRANSFORMER YARD
CARRIER CORPORATION
SYRACUSE, NEW YORK

3133-031 JOB NO.	DESIGNED: X	SCALE: NTS	REV.:	SHT 1 OF 1
	DRAWN BY: ALW	DATE: 09/18/01	APPR'D:	
	FILE NAME: G:\A-L\CARRIER\SYRACUSE\DWG-01\RFI01\3133R008			

Samples were collected by lowering a stainless-steel spoon or hand auger attached to steel hand-auger pole extensions into the manhole and collecting any sediment present.

When sufficient sample volume was obtained, each sample was homogenized in a stainless-steel bowl prior to transferring the soil from the bowl to the individual sample container. All sampling equipment was decontaminated according to methods and procedures outlined in the RFI work plan.

PCB sampling results shown on Figure 3.7 indicate both aroclor 1254 and aroclor 1260 are present at low concentrations in some of the manholes. Aroclor 1254 was identified in a select number of manholes with concentrations ranging from 0.079 mg/kg to 0.441 mg/kg. Aroclor 1260 concentrations were detected in all samples with concentrations from 0.062 mg/kg to 10.2 mg/kg. All concentrations except the concentration of 10.2 mg/kg at MH-76 are below 1 ppm.

2. The second area of investigation focused on sediment sampling in Sanders Creek, primarily because of the results of NYSDEC sampling downgradient of the Carrier facility as described above.

   Eight locations in and adjacent to Sanders Creek along the Carrier facility northern property were sampled for PCBs. These locations were identified and agreed upon during an earlier site visit between personnel from the Carrier facility, NYSDEC, and EnSafe. Sediment samples were collected from the 0 to 6-inch depth interval and, where possible, from the 6 to 12-inch depth interval at each location. Both depth intervals were sampled at five of the eight locations. Figure 3.7 shows their locations. Samples were collected with either a stainless steel spoon/trowel at locations within the stream or with a stainless-steel hand auger for locations away from the stream. All samples were homogenized using a stainless-steel spoon and bowl prior to placing them in the sample container. The sampling equipment was decontaminated before collecting each sample using the procedures outlined in the RFI work plan.

Low concentrations of PCBs were detected within the sediment in Sanders Creek near the former storm sewer outfalls from the facility. Concentrations range from 0.046 mg/kg in sample 008 from 6 to 12 inches to 3.66 mg/kg in sample 003 from 6 to 12-inches. These concentrations are in the same range as those previously identified by NYSDEC downstream in Sanders Creek. The average concentration of the 12 samples collected in and adjacent to the creek is less than 1 ppm. Table 3.6 summarizes the analytical results from all manhole and Sanders Creek sampling events, starting with the most recent sampling event.

As part of the Carrier facility permit, select groundwater monitoring wells at the facility are sampled semiannually for PCBs and other constituents. These samples were collected during the RFI field activities. The monitoring network includes MW-1, MW-3S, MW-3D, MW-5, and MW-6. No PCBs were detected in the groundwater samples collected from these wells during the RFI.

Table 3.7
Summary of Soil Sampling in Transformer Yard
(All results mg/kg Aroclor 1260)

Round I 5/15/96				Round II 6/27/96		Round III 7/12/96		Confirmation Samples 7/12/96			Confirmation Samples 8/23/96	
Location	**PCB**	**Location**	**PCB**	**Location**	**PCB**	**Location**	**PCB**	**Location**	**Depth**	**PCB**	**Location**	**PCB**
1	ND	11	ND	20	6	31	1500	18	12" 18"	9200 2600	18	47
2	1	12	ND	21	ND	32	8	27	12" 18"	34 26	27	<1
3	1	13	1	22	2	33	1	30	12" 18"	440 810	29	<1
4	1	14	ND	23	ND	34	440				30	<1
5	ND	15	7	24	11						31	23
6	ND	16	ND	25	3							
7	ND	17	1	26	290							
8	ND	18	3600	27	240							
9	1	19	4	28	31							
10	ND			29	9500							
				30	1300							

* Round I and II samples were collected from a depth of 6 inches.

3.6 Carrier-Dewitt Landfill

Comment 6: In a November 9, 1998, letter, Catherine E. Moyik of the USEPA determined that Superfund had completed its assessment at the Carrier-Dewitt Landfill and that no further remedial action was required under CERCLA. However, the May 1987 Phase 1 Investigation of the same landfill recommended that , "test pits and soil sampling be done to identify waste characteristics," and to the best of our knowledge, these have never been done. While we understand that test pits into the waste may no longer be possible or appropriate, Carrier must conduct an investigation of the site that will assess the nature and extent of any potential impacts to the environment posed by this site.

The landfill was not invasively investigated as part of the RFI field activities. This issue was detailed in the May 17, 2001, *Carrier Response to Comments* and is currently being investigated by Carrier pursuant to the Freedom of Information Act. Carrier has requested copies of all records pertaining to the Carrier-Dewitt Landfill site on file at USEPA's offices and has recently completed its review of the USEPA records, and will provide follow-up back to NYSDEC.

4.0 CONCLUSIONS

Recommendations for the five areas investigated as part of this RFI at the Carrier Thompson Road facility are outlined below. The Carrier-Dewitt Landfill is also discussed.

4.1 SMWUs 1 to 4

The groundwater data collected near of SWMUs 1 to 4 suggest that the concentrations of chlorinated solvents has remained relatively consistent. Continued monitoring of this area is proposed to continue to evaluate dissolved concentrations of VOC constituents over time.

4.2 Bedding Material Monitoring Wells

Results of the samples collected from the two wells installed as a part of the RFI indicate dissolved concentrations of chlorinated solvents within the bedding material beneath the storm sewer outfalls at the Carrier facility. As discussed in Section 3, chlorinated solvents in these wells exceeded their New York State standards.

Currently, the only wells impacted in this area are MW-17 and MW-18. Concentrations of TCE and other constituents in other wells in the vicinity are non-detect or at much lower levels. Carrier is currently reviewing the capacity of the existing storm water treatment system to evaluate whether the system could be used to treat groundwater recovered from the bedding material as an interim and possibly long term remedial measure.

4.3 SWMUs 5 and 6

The borings installed within this area indicate negligible impact to soil. A shallow perched "groundwater" interval was discovered in the former tank area due to the tanks being left in place and backfilled with fill material. The "groundwater" sample had detections of TCE and other VOCs found in groundwater at the facility. Although, the sample contained dissolved concentrations of several metals as well as a relatively high pH, these metals are attributed to the suspended materials contained in the turbid water sample. Impacts, if any, appear localized to this area however, because shallow well down gradient to the north (MW-10) does not contain concentrations of the organic compounds identified and has a relatively neutral pH of 7.39 pH units. A deeper hydropunch boring near MW-10 also did not contain dissolved concentrations of VOCs.

The soil and groundwater data, coupled with the questionable sample integrity and representativeness of the perched "groundwater" sample suggests that no further action is warranted for groundwater and soil at this location.

4.4 PSA-2

The analytical results of soil samples collected from PSA-2 indicate minimal impact to soil from TCE. Although TCE was detected in 9 of 10 soil samples from the area, TCE concentrations in the soil are well below the New York soil cleanup objectives protective of groundwater and are also below the TCE soil cleanup objective. Since all soil data is below the state cleanup objectives, no further action is proposed for soil and groundwater at this location.

4.5 Source of PCBs in Sanders Creek

PCBs detected in Sanders Creek were consistent with the upstream results collected by the NYSDEC. One of the samples from a manhole in the facility had PCB concentrations in excess of one ppm and this data indicates that current and future PCB impact to Sanders Creek is minimal. Carrier would like to discuss a plan to address PCB detected on site with the NYSDEC.

4.6 Carrier-DeWitt Landfill

Carrier has requested copies of all USEPA records pertaining to the Carrier-Dewitt Landfill through a Freedom of Information Act request. The records are being evaluated and Carrier plans to submit follow-up information upon review.

APPENDIX A

RFI Boring Logs (July 2001)

ENSAFE

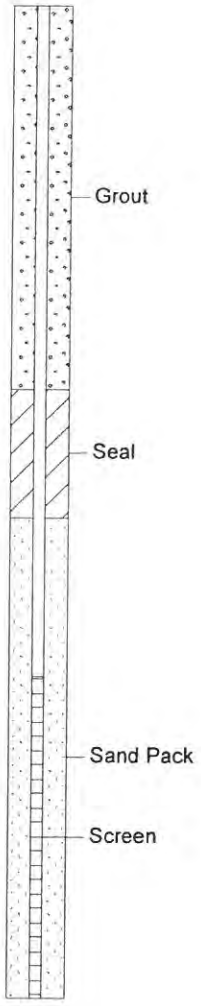
LOG OF BORING MW-17

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/11/2001 Logged By : J. George
Drilling Method : 4.25"
Driller : Parrott-Wolff (Syracuse, NY)
Sampling Method : 4' DPT sleeves
Boring Location : New Outfall #1

Well: MW-17
Elev.: 36.18

Depth in Feet	Surf. Elev.	% Rec-overy	PID (ppm)	Samples	USCS	GRAPHIC	DESCRIPTION
0	0	63	0	1	SP/GP		Sand and Gravel (fill), brown, loose, dry, roots throughout, gravel is angular limestone rock fragments.
		63	0	2	CL		Gravel (bedding material), gray to dark gray, angular, very little Sand matrix, dry, very loose.
5	-5	75	0	3	ML/SP		Gravel and Sand (bedding material), brown to yellowish-brown, dry, loose, gravel is angular.
		75	0	4	CL/SP		Sand and Clay, brown, mottled to yellow-brown, sli. moist, roots throughout, brittle, dense.
10	-10	75	0	5	SP/GP		Gravel and Sand (bedding material), brown to dark gray, dry to 11.3 then wet, loose.
		100	0	6	ML		Silt, brown, malleable, fine, dense, wet, with very fine-grained Sand at top.
		100	0	7	SP/GP		Gravel and Sand (bedding material), brown, loose, wet.
15	-15	100	0	8	ML		Silt, dark gray to brown, very moist, dense, fine. Silt, color changes to light buff to light gray, wet, dense, fine-grained.
20							TD=15.5 feet bgs. Water in borehole after drilling.



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LOG OF BORING MW-18

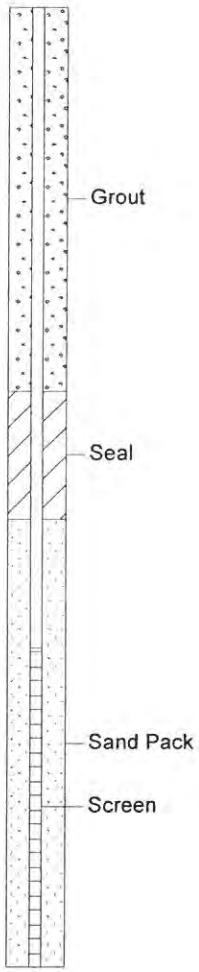
UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/12/2001	Logged By	: J. George
Drilling Method	: 4.25"		
Driller	: Parrott-Wolff (Syracuse, NY)		
Sampling Method	: 4' DPT sleeves		
Boring Location	: New Outfall #2		

Depth in Feet	Surf. Elev.	PID (ppm)	% Rec.	Samples	USCS	GRAPHIC	DESCRIPTION
0	0	0	50	1	ML/SP		Silt and Sand (topsoil), brown to light brown, roots throughout, dry, brittle, loose.
							Gravel (bedding material), gray to dark gray, angular, with Sand matrix, dry to 9 ft. bgs then wet, loose.
		0	50	2			
5	-5	0	50	3	SP/GP		
10	-10	0	38	4			
		0	63	5			
15	-15				SP		Sand and some Gravel, gray to brown to yellowish-brown, laminated, wet, fine-grained.
20							

TD=16 feet bgs. Water in borehole after drilling.

Well: MW-18
Elev.: 36.67



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LOG OF BORING PSA 2 SB-1

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/12/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: PSA 2		

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	SP/GP		Sand and Gravel (topsoil), brown to gray, dry, roots throughout, loose.			
			Grades to a brown to yellowish-brown Silt.		0	75
			Silt, brown to yellowish-brown to gray, moist to wet at 5 ft. bgs, dense, sli. stiff. Sand unit at 7 ft. bgs, wet, fine-grained.		0	75
5	ML			001	0	88
					0	88
			Sand, brown, fine-grained, saturated.		0	100
10	SP					
	ML		Silt, gray mottled to brown, dense, wet.		0	100
			End of Boring at 12 feet bgs.			
15						

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LOG OF BORING PSA 2 SB-2

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill) beneath asphalt, brown to gray, dry, loose. Grades to a brown to yellowish-brown Silt.		0	75
		ML		Silt, brown to yellowish-brown to gray, laminated dry then wet at 5 ft. bgs, dense, sli. stiff. Trace of Gravel. sli. plastic.		0	75
5	-5				001	0	83
				End of Boring at 8 feet bgs.		0	83
10							

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ENSAFE

LOG OF BORING PSA 2 SB-3

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill) beneath asphalt, brown to gray, fine- to coarse-grained, dry, loose.			
		ML		Silt, brown to gray, laminated, dry then wet at 5.5 ft. bgs, dense, sli. stiff. Trace of Gravel. sli. plastic.		0	75
						0	75
5	-5				001	0	83
				End of Boring at 8 feet bgs.			
						0	83
10							

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LOG OF BORING PSA 2 SB-4

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/12/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: PSA 2		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill) beneath asphalt, gray to dark gray, fine- to coarse-grained, dry, loose.		0	63
				Silt, brown to gray, laminated, dry then wet at 6.5 ft. bgs, dense, sli. stiff. Minor Sand (fine) and trace of Gravel troughout.		3.9	63
5	-5	ML			001	6.0	83
				End of Boring at 8 feet bgs.		2.1	83
10							

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LOG OF BORING PSA 2 SB-5

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill) beneath asphalt, brown to gray, fine- to coarse-grained, dry, loose.			
		ML		Silt, brown to brownish-gray to yellowish-brown, laminated, dry then wet at 3.8 ft. bgs, dense, sli. stiff. Minor Gravel.		0	92
					001	0	92
5	-5					0	83
				End of Boring at 8 feet bgs.			
						0	83
10							

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LOG OF BORING PSA 2 SB-6

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ML		Silt and minor Sand (topsoil), brown to gray, dry, roots throughout, brittle, loose.			
				Silt, brown, dry then wet at 5 ft. bgs, dense, sli. stiff. Minor Gravel throughout.		0	25
						0	25
5	-5	ML			001	0	100
				End of Boring at 8 feet bgs.			
						0	100
10							

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LOG OF BORING PSA 2 SB-7

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/12/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: PSA 2		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill), brown, loose, Sand is fine- to coarse-grained, Gravel is fine, angular; dry overall, roots throughout.			
				Sand and Silt, brown to yellowish-brown, brittle, moderately loose, dry to 4 ft. bgs, trace of Gravel, sli. elastic.		2.1	100
					001	21.6	100
		ML/SP					
5	-5					6.6	100
				End of Boring at 8 feet bgs.			
						3.6	100
10							

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LOG OF BORING PSA 2 SB-8

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Logged By : J. George
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill), brown, loose, Sand is fine- to coarse-grained, Gravel is fine, angular; dry overall, roots throughout.			
				Sand and Silt, brown to yellowish-brown, brittle, moderately loose, dry to 3.7 ft. bgs then moist to 5 ft. bgs then saturated, trace of Gravel, sli. elastic, trace of roots.		0	100
						0	100
		ML/SP					
5	-5				001	0	100
				End of Boring at 8 feet bgs.			
						0	100
10							

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ENSAFE

LOG OF BORING PSA 2 SB-9

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill), brown, loose, Sand is fine- to coarse-grained, dry overall, roots throughout.		1.5	83
				Sand and Silt, brown to yellowish-brown, brittle, moderately loose, dry to 4 ft. bgs then moist to 5.5 ft. bgs then saturated, trace of Gravel, sli. elastic, trace of roots.		0.3	83
5	-5	ML/SP			001	1.3	100
				End of Boring at 8 feet bgs.		0	100
10							

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ENSAFE

LOG OF BORING PSA 2 SB-10

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/12/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : PSA 2

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	SP/GP		Sand and Gravel (fill), brown, loose, Sand is fine- to coarse-grained, dry overall, roots throughout.			
				Sand and Silt, brown to yellowish-brown, brittle, moderately loose, dry to 3.8 ft. bgs then moist to 5 ft. bgs then saturated, Sand is fine-grained, trace of Gravel, sli. elastic, dense in saturated interval.		0	100
					001	0	100
		ML/SP					
5	-5			End of Boring at 8 feet bgs.		0	75
						0	75
10							

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LOG OF BORING SWMU 5&6 SB-1

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/11/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : SWMU 5 and 6

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.			
		GP		Gravel base, dark gray to gray, up to 1-inch diam., loose, with dark brown to dark gray Silty Clay, slightly moist, dense.			
		ML		Sandy Silt with minor Clay, brown, brittle, dry to sli. moist. Becoming sandier with depth. Color change to brownish-orange at 3.5 feet bgs and grading to more Clay.		0	75
		ML/SP		Silt and Clay, orangish-brown, malleable, sli. plastic, sli. wet, minor gravel as above.		0	75
5	-5	SP/GP		Orange-brown Sand with minor Gravel, dense to sli. loose. Sand is fine to med from 6.9 to 7.5. Wet at 6.9 feet bgs, intermixed with Silt.		0	88
						0	88
		ML/SP		Silt and Clay with minor Sand and Gravel, reddish-brown, moist, malleable to sli. brittle, gravel is rounded. Sandy interval at 12 ft. bgs; saturated here.		4.5	75
10	-10				001	25.9	75
		ML/SP		As above, wet, soft, malleable, grading to fine Sand at 14.5 ft. bgs, wet, brittle, dense.			
15	-15			End of Boring at 16.5 feet bgs.			
20							

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LOG OF BORING SWMU 5&6 SB-2

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/11/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: SWMU 5 and 6		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.			
		GP		Gravel base, dark gray to gray, up to 1-inch diam., loose, with dark brown to gray Silty Clay, slightly moist, malleable.		2.8	75
		ML/SP		Sandy Silt with minor Clay, brown, brittle, moist. Becoming sandier with depth, malleable. Grading to more Sand with depth.		0	75
5	-5	SP		Sand, fine to medium, brown to brownish-gray, moist to wet. Dark gray staining with odor on Sand from 7.5 to 8.5 ft. bgs.		21.6	88
						21.4	88
		ML/SP		Clay and Sand with minor Silt, reddish-brown, sli. wet, malleable, dark gray staining and odor from 9.5 to 10.5 ft. bgs. Silt becoming more prevalent near bottom of return.	001	38.9	88
10	-10					13.4	88
		ML		Silt with Sand, fine, reddish-brown, wet, dense.			
				End of Boring at 12.5 feet bgs.			
15	-15						
20							

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LOG OF BORING SWMU 5&6 SB-3

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/11/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: SWMU 5 and 6		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.		NA	0
		GP		Gravel and Sand, dark gray to gray, up to 1-inch diam., saturated, loose. Lost return due to saturated nature and gravel.		23.4	25
				End of Boring at 6 feet bgs.			
5	-5					28.1	100
10							

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LOG OF BORING SWMU 5&6 SB-4

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/11/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: SWMU 5 and 6		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.		NA	0
		GP		Gravel and Sand, dark gray to gray, up to 1-inch diam., saturated, loose. Lost return due to saturated nature and gravel.		19.4	13
				End of Boring at 6 feet bgs.		32	25
5	-5						
10							

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ENSAFE

LOG OF BORING SWMU 5&6 SB-5

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed : 7/11/2001
Drilling Method : Direct Push
Driller : Parrott-Wolff
Sampling Method : 4' DPT sleeve
Boring Location : SWMU 5 and 6

Logged By : J. George

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.		NA	0
		GP		Gravel, Sand, and minor Silt, dark gray to gray, up to 1-inch diam., saturated, very loose.		38.1	25
				End of Boring at 6 feet bgs.			
5	-5					39.8	25
10							

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ENSAFE

LOG OF BORING SWMU 5&6 SB-6

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/11/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: SWMU 5 and 6		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.		NA	0
		GP		Gravel, Sand, and minor Silt, dark gray to gray, up to 1-inch diam., saturated, very loose. Apparent petroleum staining and odor on gravel at 2 ft. bgs.		136.3	38
				End of Boring at 5.2 feet bgs.			
5	-5					NA	0
10							

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ENSAFE

LOG OF BORING SWMU 5&6 SB-7

UTC-Carrier
Thompson Road Plant
Syracuse, NY

Date Completed	: 7/11/2001	Logged By	: J. George
Drilling Method	: Direct Push		
Driller	: Parrott-Wolff		
Sampling Method	: 4' DPT sleeve		
Boring Location	: SWMU 5 and 6		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	Lab No.	PID (ppm)	% Recovery
0	0	ASPH		Asphalt parking surface with gravel base.			
		GP		Gravel, dark gray to gray, up to 1.5-inch diam., loose, with dark brown to gray Silty Clay, slightly moist, malleable.		14.3	75
		CL/SP		Sand with Clay, brown to dark gray, malleable, moist, minor Gravel.		10.8	75
5	-5	SP		Sand, fine to medium, brown to brownish-gray, sli. moist. Sand is medium-grained from 7.8 to 8.0 ft. bgs.		9.1	88
		CL		Clay, reddish-brown, dry to sli. moist, brittle.	001	156.9	88
10	-10	SP		Sand, brown to reddish-brown, wet, fine-grained, odor present, dense.		24	88
		ML		Silt, brown, dense, wet then dry at bottom of return.		25.7	88
15				End of Boring at 12.5 feet bgs.			

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APPENDIX B

Laboratory Analytical Data Sheets

ACCUTEST

07/30/01

Technical Report for

United Technology Corporation

ENSTNN: Carrier, Syracuse, NY

UARP #NS-07/03/01-MMH-01

Accutest Job Number: E94826

Report to:

Ensafe
311 Plus Park
Suite 130
Nashville, TN 37217

ATTN: May Heflin

Total number of pages in report: 123

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

United Technology Corporation

Job No: E94826

ENSTNN: Carrier, Syracuse, NY
Project No: UARP #NS-07/03/01-MMH-01

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
E94826-1	07/09/01	16:10 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH77-CARMH7701
E94826-2	07/09/01	16:45 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH97-CARMH9701
E94826-3	07/09/01	15:35 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH115-CARMH11501
E94826-4	07/09/01	17:40 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH101-CARMH10101
E94826-5	07/09/01	17:00 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH256-CARMH25601
E94826-6	07/09/01	16:30 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH76-CARMH7601
E94826-7	07/09/01	15:55 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH116-CARMH11601
E94826-8	07/09/01	00:00 KOC	07/12/01	SO	Solid	ENS-SYR-TMP-MH102-CARMH10201

ACCUTEST.

Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. [✓]
2. Table of Contents. [✓]
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. [✓]
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. [✓]
5. Document bound, paginated and legible. [✓]
6. Chain of Custody [✓]
7. Methodology Summary [✓]
8. Laboratory Chronicle and Holding Time Check. [✓]
9. Results submitted on a dry weight basis (if applicable) [✓]
10. Method Detection Limits. [✓]
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. [✓]
12. Non-Conformance Summary. [✓]

Jian Hua Tang
QC Reviewer

7/30/2009
Date

New Jersey - Fresh Ponds Corporate Village - Building B - 2235 Route 130 - Dayton, NJ 08810 - tel: 732 329 0200 - fax: 732 329 3499 - http://www.accutest.com

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Percent Solids Determination

Accutest Laboratories employs a modified version of ASTM Method 4643-93 for the determination of percent solids to calculate dry weight. All data for solid matrices is reported on a dry weight basis by applying the percent solids data from this determination.

ACCUTEST.

Table Of Contents
Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

A. Results Summary
B. Chain of Custody
C. Laboratory Chronicles

Section 2 GC/MS Support Data (grouped by fraction)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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Results

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH77-CARMH7701		
Lab Sample ID:	E94826-1	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	66.3
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50847.D	1	07/24/01	LLP	07/13/01	OP9779	GCD1934
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	25	ug/kg	
11104-28-2	Aroclor 1221	ND	25	ug/kg	
11141-16-5	Aroclor 1232	ND	25	ug/kg	
53469-21-9	Aroclor 1242	ND	25	ug/kg	
12672-29-6	Aroclor 1248	ND	25	ug/kg	
11097-69-1	Aroclor 1254	437	25	ug/kg	
11096-82-5	Aroclor 1260	477	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		26-126%
877-09-8	Tetrachloro-m-xylene	94%		26-126%
2051-24-3	Decachlorobiphenyl	74%		23-149%
2051-24-3	Decachlorobiphenyl	102%		23-149%

7

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH97-CARMH9701		
Lab Sample ID:	E94826-2	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	84.2
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50848.D	1	07/24/01	LLP	07/13/01	OP9779	GCD1934
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	21	ug/kg	
11104-28-2	Aroclor 1221	ND	21	ug/kg	
11141-16-5	Aroclor 1232	ND	21	ug/kg	
53469-21-9	Aroclor 1242	ND	21	ug/kg	
12672-29-6	Aroclor 1248	ND	21	ug/kg	
11097-69-1	Aroclor 1254	441	21	ug/kg	
11096-82-5	Aroclor 1260	380	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		26-126%
877-09-8	Tetrachloro-m-xylene	121%		26-126%
2051-24-3	Decachlorobiphenyl	172% [a]		23-149%
2051-24-3	Decachlorobiphenyl	155% [a]		23-149%

(a) Outside control limits due to matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH115-CARMH11501		
Lab Sample ID:	E94826-3	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	71.5
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50849.D	1	07/24/01	LLP	07/13/01	OP9779	GCD1934
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	24	ug/kg	
11104-28-2	Aroclor 1221	ND	24	ug/kg	
11141-16-5	Aroclor 1232	ND	24	ug/kg	
53469-21-9	Aroclor 1242	ND	24	ug/kg	
12672-29-6	Aroclor 1248	ND	24	ug/kg	
11097-69-1	Aroclor 1254	ND	24	ug/kg	
11096-82-5	Aroclor 1260	964	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		26-126%
877-09-8	Tetrachloro-m-xylene	111%		26-126%
2051-24-3	Decachlorobiphenyl	103%		23-149%
2051-24-3	Decachlorobiphenyl	127%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH101-CARMH10101		
Lab Sample ID:	E94826-4	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	75.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50850.D	1	07/24/01	LLP	07/13/01	OP9779	GCD1934
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	23	ug/kg	
11104-28-2	Aroclor 1221	ND	23	ug/kg	
11141-16-5	Aroclor 1232	ND	23	ug/kg	
53469-21-9	Aroclor 1242	ND	23	ug/kg	
12672-29-6	Aroclor 1248	ND	23	ug/kg	
11097-69-1	Aroclor 1254	ND	23	ug/kg	
11096-82-5	Aroclor 1260	ND	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		26-126%
877-09-8	Tetrachloro-m-xylene	122%		26-126%
2051-24-3	Decachlorobiphenyl	99%		23-149%
2051-24-3	Decachlorobiphenyl	291% [a]		23-149%

(a) Outside control limits due to matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH256-CARMH25601		
Lab Sample ID:	E94826-5	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	72.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50851.D	1	07/24/01	LLP	07/13/01	OP9779	GCD1934
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	25	ug/kg	
11104-28-2	Aroclor 1221	ND	25	ug/kg	
11141-16-5	Aroclor 1232	ND	25	ug/kg	
53469-21-9	Aroclor 1242	ND	25	ug/kg	
12672-29-6	Aroclor 1248	ND	25	ug/kg	
11097-69-1	Aroclor 1254	79.8	25	ug/kg	
11096-82-5	Aroclor 1260	62.0	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		26-126%
877-09-8	Tetrachloro-m-xylene	103%		26-126%
2051-24-3	Decachlorobiphenyl	91%		23-149%
2051-24-3	Decachlorobiphenyl	116%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH76-CARMH7601		
Lab Sample ID:	E94826-6	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	81.0
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50906.D	1	07/25/01	LLP	07/13/01	OP9779	GCD1938
Run #2	CD50929.D	10	07/26/01	LLP	07/13/01	OP9779	GCD1938

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	20	ug/kg	
11104-28-2	Aroclor 1221	ND	20	ug/kg	
11141-16-5	Aroclor 1232	ND	20	ug/kg	
53469-21-9	Aroclor 1242	ND	20	ug/kg	
12672-29-6	Aroclor 1248	ND	20	ug/kg	
11097-69-1	Aroclor 1254	ND	20	ug/kg	
11096-82-5	Aroclor 1260	10200 [a]	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%	58%	26-126%
877-09-8	Tetrachloro-m-xylene	92%	83%	26-126%
2051-24-3	Decachlorobiphenyl	82%	75%	23-149%
2051-24-3	Decachlorobiphenyl	107%	104%	23-149%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH116-CARMH11601		
Lab Sample ID:	E94826-7	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	78.4
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50907.D	1	07/25/01	LLP	07/13/01	OP9779	GCD1938
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	21	ug/kg	
11104-28-2	Aroclor 1221	ND	21	ug/kg	
11141-16-5	Aroclor 1232	ND	21	ug/kg	
53469-21-9	Aroclor 1242	ND	21	ug/kg	
12672-29-6	Aroclor 1248	ND	21	ug/kg	
11097-69-1	Aroclor 1254	ND	21	ug/kg	
11096-82-5	Aroclor 1260	411	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		26-126%
877-09-8	Tetrachloro-m-xylene	73%		26-126%
2051-24-3	Decachlorobiphenyl	84%		23-149%
2051-24-3	Decachlorobiphenyl	77%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH102-CARMH10201		
Lab Sample ID:	E94826-8	**Date Sampled:**	07/09/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	73.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50692.D	1	07/18/01	LLP	07/16/01	OP9792	GCD1929
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	24	ug/kg	
11104-28-2	Aroclor 1221	ND	24	ug/kg	
11141-16-5	Aroclor 1232	ND	24	ug/kg	
53469-21-9	Aroclor 1242	ND	24	ug/kg	
12672-29-6	Aroclor 1248	ND	24	ug/kg	
11097-69-1	Aroclor 1254	ND	24	ug/kg	
11096-82-5	Aroclor 1260	105	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		26-126%
877-09-8	Tetrachloro-m-xylene	84%		26-126%
2051-24-3	Decachlorobiphenyl	83%		23-149%
2051-24-3	Decachlorobiphenyl	83%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

SOL

ACCUTEST JOB #: E94826
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: May Heflin % PwSafe
ADDRESS: 220 Athens Way Suite 410
CITY, STATE, ZIP: Nashville TN 37228
SEND REPORT TO: May Heflin
PHONE #: 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC - Carrier RFI
LOCATION: Syracuse NY
PROJECT NO.: 3133-031
FAX #: 615-255-9345

ANALYTICAL INFORMATION

PCBs 8082

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	PCBs 8082	LAB USE ONLY
-1	ENC-SYR-TMP-MH77-CARMH7701	7-9-01	1610	CTH, KCC	SO	1					X	✓	MH-77
-2	ENS-SYR-TMP-MH97-CARMH9701	7-9-01	1645			1					X	✓	MH-97
-3	ENC-SYR-TMP-MH115-CARMH11501	7-9-01	1535			1					X	✓	MH-115
-4	ENS-SYR-TMP-MH101-CARMH10101	7-9-01	1740			1					X	✓	MH-101
-5	ENS-SYR-TMP-MH256-CARMH25601	7-9-01	1700			1					X	✓	MH-356
-6	ENS-SYR-TMP-MH76-CARMH7601	7-9-01	1630			1					X	✓	MH-76
-7	ENC-SYR-TMP-MH116-CARMH11601	7-9-01	1555	↓	↓	1					X	✓	MH-116
-8	ENS-SYR-TMP-MH102-CARMH10201	7-9-01	1720		SOL	1						✓	MH-102

222

DATA TURNAROUND INFORMATION

☒ 21 DAYS STANDARD
☐ 14 DAYS *RUSH*
☐ 7 DAYS *EMERGENCY*
☐ OTHER _____

APPROVED BY: _____

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ NJ REDUCED
☐ NJ Full
☐ FULL CLP
☐ DISK DELIVERABLE
☐ OTHER (SPECIFY) _____
☐ COMMERCIAL "A"
☐ COMMERCIAL "B"
☐ STATE FORMS

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	7-11-01 1500	1. UPS	2. UPS	7-12-01 1000	2. [signature]
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2 °C

5

TRS

ACCUTEST

08/03/01

Technical Report for

United Technology Corporation

ENSTNN: Carrier, Syracuse, NY

UARP #NS-07/03/01-MMH-01

Accutest Job Number: E94827

Report to:

Ensafe
311 Plus Park
Suite 130
Nashville, TN 37217

ATTN: May Heflin

Total number of pages in report: 171

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

United Technology Corporation

Job No: E94827

ENSTNN: Carrier, Syracuse, NY
Project No: UARP #NS-07/03/01-MMH-01

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
E94827-1	07/10/01	13:00 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM1-CARMSM0101
E94827-2	07/10/01	13:00 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM1-CARMSM0101
E94827-3	07/10/01	13:15 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM2-CARMSM0201
E94827-4	07/10/01	13:17 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-ST202-CARMSM0202
E94827-5	07/10/01	13:35 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM3-CARMSM0301
E94827-6	07/10/01	13:40 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-ST302-CARMSM0302
E94827-7	07/10/01	14:05 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM4-CARMSM0401
E94827-8	07/10/01	14:10 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-ST402-CARMSM0402
E94827-9	07/10/01	14:35 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM-CARMSM0501
E94827-10	07/10/01	14:35 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-ST502-CARMSM0502
E94827-11	07/10/01	14:50 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM6-CARMSM0601
E94827-12	07/10/01	15:00 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM7-CARMSM0701
E94827-13	07/10/01	15:10 JPG	07/12/01	SO	Solid	ENS-SYR-TMP-STRM8-CARMSM0801

Sample Summary
(continued)

United Technology Corporation

Job No: E94827

ENSTNN: Carrier, Syracuse, NY
Project No: UARP #NS-07/03/01-MMH-01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
E94827-14	07/10/01	15:15	JPG	07/12/01	SO	Solid	ENS-SYR-TMP-ST800-CARMSM0802

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1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report.	✓
2. Table of Contents.	✓
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s.	✓
5. Document bound, paginated and legible.	✓
6. Chain of Custody.	✓
7. Methodology Summary	✓
8. Laboratory Chronicle and Holding Time Check.	✓
9. Results submitted on a dry weight basis (if applicable)	✓
10. Method Detection Limits.	✓
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12. Non-Conformance Summary	✓

Dian Luca Tarig
QC Reviewer

8/3/2001
Date

[illegible] - Fresh Pond Corporate Village - Building B - 225 Route 130 - Dayton, NJ 08810 - tel: 732.329.0200 - Fax: 732.329.3499 - http://www.accutest.com

ACCUTEST.

Percent Solids Determination

Accutest Laboratories employs a modified version of ASTM Method 4643-93 for the determination of percent solids to calculate dry weight. All data for solid matrices is reported on a dry weight basis by applying the percent solids data from this determination.

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Table Of Contents
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For
Non-USEPA/CLP Methods

Title/Cover Page

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E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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Results

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM1-CARMSM0101		
Lab Sample ID:	E94827-1	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	73.4
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28371.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	23	ug/kg	
11104-28-2	Aroclor 1221	ND	23	ug/kg	
11141-16-5	Aroclor 1232	ND	23	ug/kg	
53469-21-9	Aroclor 1242	ND	23	ug/kg	
12672-29-6	Aroclor 1248	ND	23	ug/kg	
11097-69-1	Aroclor 1254	ND	23	ug/kg	
11096-82-5	Aroclor 1260	1320	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		26-126%
877-09-8	Tetrachloro-m-xylene	52%		26-126%
2051-24-3	Decachlorobiphenyl	42%		23-149%
2051-24-3	Decachlorobiphenyl	47%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM1-CARMSM0101		
Lab Sample ID:	E94827-2	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	75.3
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28357.D	1	07/25/01	KLS	07/13/01	OP9780	GAB1595
Run #2	EF32870.D	5	07/26/01	YYX	07/13/01	OP9780	GEF1868

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	22	ug/kg	
11104-28-2	Aroclor 1221	ND	22	ug/kg	
11141-16-5	Aroclor 1232	ND	22	ug/kg	
53469-21-9	Aroclor 1242	ND	22	ug/kg	
12672-29-6	Aroclor 1248	ND	22	ug/kg	
11096-82-5	Aroclor 1260	1400 [a]	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	57%	26-126%
877-09-8	Tetrachloro-m-xylene	36%	127% [b]	26-126%
2051-24-3	Decachlorobiphenyl	87%	88%	23-149%
2051-24-3	Decachlorobiphenyl	99%	62%	23-149%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM2-CARMSM0201		
Lab Sample ID:	E94827-3	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	75.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28358.D	1	07/25/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	22	ug/kg	
11104-28-2	Aroclor 1221	ND	22	ug/kg	
11141-16-5	Aroclor 1232	ND	22	ug/kg	
53469-21-9	Aroclor 1242	ND	22	ug/kg	
12672-29-6	Aroclor 1248	ND	22	ug/kg	
11097-69-1	Aroclor 1254	ND	22	ug/kg	
11096-82-5	Aroclor 1260	ND	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		26-126%
877-09-8	Tetrachloro-m-xylene	100%		26-126%
2051-24-3	Decachlorobiphenyl	86%		23-149%
2051-24-3	Decachlorobiphenyl	102%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-ST202-CARMSM0202		
Lab Sample ID:	E94827-4	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	75.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28359.D	1	07/25/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	22	ug/kg	
11104-28-2	Aroclor 1221	ND	22	ug/kg	
11141-16-5	Aroclor 1232	ND	22	ug/kg	
53469-21-9	Aroclor 1242	ND	22	ug/kg	
12672-29-6	Aroclor 1248	ND	22	ug/kg	
11097-69-1	Aroclor 1254	ND	22	ug/kg	
11096-82-5	Aroclor 1260	ND	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		26-126%
877-09-8	Tetrachloro-m-xylene	90%		26-126%
2051-24-3	Decachlorobiphenyl	80%		23-149%
2051-24-3	Decachlorobiphenyl	107%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM3-CARMSM0301		
Lab Sample ID:	E94827-5	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	59.0
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28362.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	30	ug/kg	
11104-28-2	Aroclor 1221	ND	30	ug/kg	
11141-16-5	Aroclor 1232	ND	30	ug/kg	
53469-21-9	Aroclor 1242	ND	30	ug/kg	
12672-29-6	Aroclor 1248	ND	30	ug/kg	
11097-69-1	Aroclor 1254	ND	30	ug/kg	
11096-82-5	Aroclor 1260	270	30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		26-126%
877-09-8	Tetrachloro-m-xylene	74%		26-126%
2051-24-3	Decachlorobiphenyl	79%		23-149%
2051-24-3	Decachlorobiphenyl	86%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-ST302-CARMSM0302		
Lab Sample ID:	E94827-6	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	71.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28363.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2	EF32871.D	10	07/26/01	YYX	07/13/01	OP9780	GEF1868

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	24	ug/kg	
11104-28-2	Aroclor 1221	ND	24	ug/kg	
11141-16-5	Aroclor 1232	ND	24	ug/kg	
53469-21-9	Aroclor 1242	ND	24	ug/kg	
12672-29-6	Aroclor 1248	ND	24	ug/kg	
11097-69-1	Aroclor 1254	3660 [a]	240	ug/kg	
11096-82-5	Aroclor 1260	ND	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	69%	26-126%
877-09-8	Tetrachloro-m-xylene	48%	122%	26-126%
2051-24-3	Decachlorobiphenyl	81%	140%	23-149%
2051-24-3	Decachlorobiphenyl	86%	92%	23-149%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM4-CARMSM0401		
Lab Sample ID:	E94827-7	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	74.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28364.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	47	ug/kg	
11104-28-2	Aroclor 1221	ND	47	ug/kg	
11141-16-5	Aroclor 1232	ND	47	ug/kg	
53469-21-9	Aroclor 1242	ND	47	ug/kg	
12672-29-6	Aroclor 1248	ND	47	ug/kg	
11097-69-1	Aroclor 1254	ND	47	ug/kg	
11096-82-5	Aroclor 1260	800	47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	34%		26-126%
877-09-8	Tetrachloro-m-xylene	38%		26-126%
2051-24-3	Decachlorobiphenyl	42%		23-149%
2051-24-3	Decachlorobiphenyl	36%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-ST402-CARMSM0402		
Lab Sample ID:	E94827-8	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	77.0
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD51015.D	1	07/30/01	LLP	07/28/01	OP9880	GCD1942
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	23	ug/kg	
11104-28-2	Aroclor 1221	ND	23	ug/kg	
11141-16-5	Aroclor 1232	ND	23	ug/kg	
53469-21-9	Aroclor 1242	ND	23	ug/kg	
12672-29-6	Aroclor 1248	ND	23	ug/kg	
11097-69-1	Aroclor 1254	ND	23	ug/kg	
11096-82-5	Aroclor 1260	468	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		26-126%
877-09-8	Tetrachloro-m-xylene	58%		26-126%
2051-24-3	Decachlorobiphenyl	114%		23-149%
2051-24-3	Decachlorobiphenyl	103%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM-CARMSM0501		
Lab Sample ID:	E94827-9	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	47.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF32869.D	5	07/26/01	YYX	07/13/01	OP9780	GEF1868
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	180	ug/kg	
11104-28-2	Aroclor 1221	ND	180	ug/kg	
11141-16-5	Aroclor 1232	ND	180	ug/kg	
53469-21-9	Aroclor 1242	ND	180	ug/kg	
12672-29-6	Aroclor 1248	ND	180	ug/kg	
11097-69-1	Aroclor 1254	ND	180	ug/kg	
11096-82-5	Aroclor 1260	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		26-126%
877-09-8	Tetrachloro-m-xylene	42%		26-126%
2051-24-3	Decachlorobiphenyl	41%		23-149%
2051-24-3	Decachlorobiphenyl	37%		23-149%

(a) Dilution required due to sample high viscous matrix.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-ST502-CARMSM0502		
Lab Sample ID:	E94827-10	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	48.5
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28366.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	35	ug/kg	
11104-28-2	Aroclor 1221	ND	35	ug/kg	
11141-16-5	Aroclor 1232	ND	35	ug/kg	
53469-21-9	Aroclor 1242	ND	35	ug/kg	
12672-29-6	Aroclor 1248	ND	35	ug/kg	
11097-69-1	Aroclor 1254	ND	35	ug/kg	
11096-82-5	Aroclor 1260	1180	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		26-126%
877-09-8	Tetrachloro-m-xylene	33%		26-126%
2051-24-3	Decachlorobiphenyl	42%		23-149%
2051-24-3	Decachlorobiphenyl	50%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM6-CARMSM0601		
Lab Sample ID:	E94827-11	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	81.1
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28367.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	20	ug/kg	
11104-28-2	Aroclor 1221	ND	20	ug/kg	
11141-16-5	Aroclor 1232	ND	20	ug/kg	
53469-21-9	Aroclor 1242	ND	20	ug/kg	
12672-29-6	Aroclor 1248	ND	20	ug/kg	
11097-69-1	Aroclor 1254	ND	20	ug/kg	
11096-82-5	Aroclor 1260	60.3	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		26-126%
877-09-8	Tetrachloro-m-xylene	73%		26-126%
2051-24-3	Decachlorobiphenyl	43%		23-149%
2051-24-3	Decachlorobiphenyl	45%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM7-CARMSM0701		
Lab Sample ID:	E94827-12	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	76.2
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28368.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2	EF32872.D	5	07/26/01	YYX	07/13/01	OP9780	GEF1868

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	21	ug/kg	
11104-28-2	Aroclor 1221	ND	21	ug/kg	
11141-16-5	Aroclor 1232	ND	21	ug/kg	
53469-21-9	Aroclor 1242	ND	21	ug/kg	
12672-29-6	Aroclor 1248	ND	21	ug/kg	
11097-69-1	Aroclor 1254	ND	21	ug/kg	
11096-82-5	Aroclor 1260	2220 [a]	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	79%	26-126%
877-09-8	Tetrachloro-m-xylene	48%	199% [b]	26-126%
2051-24-3	Decachlorobiphenyl	47%	108%	23-149%
2051-24-3	Decachlorobiphenyl	54%	89%	23-149%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-STRM8-CARMSM0801		
Lab Sample ID:	E94827-13	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	77.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28369.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	20	ug/kg	
11104-28-2	Aroclor 1221	ND	20	ug/kg	
11141-16-5	Aroclor 1232	ND	20	ug/kg	
53469-21-9	Aroclor 1242	ND	20	ug/kg	
12672-29-6	Aroclor 1248	ND	20	ug/kg	
11097-69-1	Aroclor 1254	ND	20	ug/kg	
11096-82-5	Aroclor 1260	650	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		26-126%
877-09-8	Tetrachloro-m-xylene	42%		26-126%
2051-24-3	Decachlorobiphenyl	39%		23-149%
2051-24-3	Decachlorobiphenyl	45%		23-149%

20

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-ST800-CARMSM0802		
Lab Sample ID:	E94827-14	**Date Sampled:**	07/10/01
Matrix:	SO - Solid	**Date Received:**	07/12/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	69.6
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28370.D	1	07/26/01	KLS	07/13/01	OP9780	GAB1595
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	24	ug/kg	
11104-28-2	Aroclor 1221	ND	24	ug/kg	
11141-16-5	Aroclor 1232	ND	24	ug/kg	
53469-21-9	Aroclor 1242	ND	24	ug/kg	
12672-29-6	Aroclor 1248	ND	24	ug/kg	
11097-69-1	Aroclor 1254	ND	24	ug/kg	
11096-82-5	Aroclor 1260	46.0	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		26-126%
877-09-8	Tetrachloro-m-xylene	50%		26-126%
2051-24-3	Decachlorobiphenyl	52%		23-149%
2051-24-3	Decachlorobiphenyl	50%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN O CUSTODY

ACCUTEST

SOL

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #: E94827

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Mary Heflin c/o EnSafe

ADDRESS: 220 Athens Way Ste 410

CITY, STATE, ZIP: Nashville TN 37228

SEND REPORT TO: Mary Heflin

PHONE #: 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC CARRIER

LOCATION: Syracuse NY

PROJECT NO.: 3133-031

FAX #: 615-255-9345

ANALYTICAL INFORMATION

SVOCs

PCBs

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE		LAB USE ONLY
-1	ENS-SYR-TMP-STRM1-CARMSM0101	7-10-01	1300	JP6/CTH	SOL	2					X	0-6"	222
-2	ENS-SYR-TMP-STRM1-CARRSM0101	7-10-01	1300			1					X	DUPLICATE	
-3	ENS-SYR-TMP-STRM2-CARMSM0201	7-10-01	1315			1					X	0-6"	
-4	ENS-SYR-TMP-ST202-CARMSM0202	7-10-01	1317			1					X	6-12"	
-5	ENS-SYR-TMP-STRM3-CARMSM0301	7-10-01	1335			1					X	0-6"	
-6	ENS-SYR-TMP-ST302-CARMSM0302	7-10-01	1340			1					X	6-12"	
-7	ENS-SYR-TMP-STRM4-CARMSM0401	7-10-01	1405			1					X	0-6	
-8	ENS-SYR-TMP-ST402-CARMSM0402	7-10-01	1410			1					X	6-12"	
-9	ENS-SYR-TMP-STRM-CARMSM0501	7-10-01	1435			1					X	0-6"	
-10	ENS-SYR-TMP-ST502-CARMSM0502	7-10-01	1435			1					X	6-12"	

DATA TURNAROUND INFORMATION

- [x] 21 DAYS STANDARD
- [ ] 14 DAYS *RUSH*
- [ ] 7 DAYS *EMERGENCY*
- [ ] OTHER

APPROVED BY:

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] NJ REDUCED
- [ ] NJ Full
- [ ] FULL CLP
- [ ] DISK DELIVERABLE
- [ ] OTHER (SPECIFY)
- [ ] COMMERCIAL "A"
- [ ] COMMERCIAL "B"
- [ ] STATE FORMS

COMMENTS/REMARKS

ALSO RECD. ENS-SYR-TMP - MH102 - CARMSM0201 (1X300mL) - NOT ON C-O-C (FAX) 7-12-01

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-11-01 1600	1. UPS	2. UPS	7-12-01 1000	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE [X]

TEMPERATURE: 2 C

CHAIN O CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

SOL

ACCUTEST JOB #: E94827
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Mary Heflin
ENSafe Inc
ADDRESS: 220 Athens Way Ste 410
CITY: Nashville STATE: TN ZIP: 37228
SEND REPORT TO: Mary Heflin
PHONE #: 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC - Carrier
LOCATION: Syracuse NY
~~UTC Carrier~~
PROJECT NO.: ~~UTC~~ 3133-031
FAX #: 615-255-9345

ANALYTICAL INFORMATION

PCBs 8082

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	PCBs 8082		LAB USE ONLY
-11	ENS-SYR-TMP-STRM6-CARMSMO601	7-10-01	1450	JPG/CTH	SOL	1					X	✓	0-6"	222
-12	ENS-SYR-TMP-STRM7-CARMSMO701	7-10-01	1500	↓	↓	1					X	✓	0-6"	
-13	ENS-SYR-TMP-STRM8-CARMSMO801	7-10-01	1510			1					X	✓	0-6"	
-14	ENS-SYR-TMP-ST802-CARMSMO802	7-10-01	1515			1					X	✓	6-12"	
	~~ENS-SYR-TMP-MW02-CARMSMO201~~ (WAS 7-13-01)	~~7-10-01~~												

DATA TURNAROUND INFORMATION

☒ 21 DAYS STANDARD
☐ 14 DAYS *RUSH*
☐ 7 DAYS *EMERGENCY*
☐ OTHER _____

APPROVED BY: _____

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ NJ REDUCED
☐ NJ Full
☐ FULL CLP
☐ DISK DELIVERABLE
☐ OTHER (SPECIFY) _____
☐ COMMERCIAL "A"
☐ COMMERCIAL "B"
☐ STATE FORMS

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-11-01 1600	1. UPS	2. UPS	7-12-01 1000	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE
5.		5.		☐	☒	2 C

ACCUTEST

08/15/01

Technical Report for

United Technology Corporation

ENSTNN: Carrier, Syracuse, NY

UARP #NS-07/03/01-MMH-01

Accutest Job Number: E94828

Report to:

Ensafe
220 Athens Way
Suite 410
Nashville, TN 37217

ATTN: May Heflin

Total number of pages in report: 217

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

United Technology Corporation

Job No: E94828

ENSTNN: Carrier, Syracuse, NY
Project No: UARP #

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
E94828-1	07/11/01	09:30	JPG	07/12/01	SO	Soil	ENS-SYR-TMP-SB1-CARSW56110
E94828-2	07/11/01	10:15	JPG	07/12/01	SO	Soil	ENS-SYR-TMP-SB2-CARSW56208
E94828-3	07/11/01	12:20	JPG	07/12/01	SO	Soil	ENS-SYR-TMP-SB7-CARSW56706
E94828-4	07/11/01	11:50	JPG	07/12/01	AQ	Ground Water	ENS-SYR-TMP-SB4-CARSW56401
E94828-4A	07/11/01	11:50	JPG	07/12/01	AQ	Groundwater Filtered	ENS-SYR-TMP-SB4-CARSW56401

ACCUTEST.

Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. ✓
2. Table of Contents. ✓
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. ✓
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. ✓
5. Document bound, paginated and legible. ✓
6. Chain of Custody. ✓
7. Methodology Summary ✓
8. Laboratory Chronicle and Holding Time Check. ✓
9. Results submitted on a dry weight basis (if applicable) ✓
10. Method Detection Limits. ✓
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. ✓
12. Non-Conformance Summary. ✓

Jian Hua Tang
QC Reviewer

8/7/2001
Date

New Jersey - Fresh Ponds Corporate Village - Building B - 2235 Route 130 - Dayton, NJ 08810 - tel: 732-329-0200 - Fax: 732-329-3499 - http://www.accutest.com

ACCUTEST.

Percent Solids Determination

Accutest Laboratories employs a modified version of ASTM Method 4643-93 for the determination of percent solids to calculate dry weight. All data for solid matrices is reported on a dry weight basis by applying the percent solids data from this determination.

ACCUTEST.

Table Of Contents
Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

A. Results Summary
B. Chain of Custody
C. Laboratory Chronicles

Section 2 GC/MS Support Data (grouped by fraction)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

New Jersey • Fresh Ponds Corporate Village • Building B • 2235 Route 130 • Dayton, NJ 08810 • tel 908-329-0200 • fax 908-329-3499 • http://www.accutest.com

Results

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB1-CARSW56110		
Lab Sample ID:	E94828-1	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K44998.D	1	07/15/01	DFT	n/a	n/a	VK1556
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.6	ug/kg	
71-43-2	Benzene	ND	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	ug/kg	
75-25-2	Bromoform	ND	5.6	ug/kg	
74-83-9	Bromomethane	ND	5.6	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	ug/kg	
75-00-3	Chloroethane	ND	5.6	ug/kg	
67-66-3	Chloroform	ND	5.6	ug/kg	
74-87-3	Chloromethane	ND	5.6	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	78.7	5.6	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	ug/kg	
591-78-6	2-Hexanone	ND	5.6	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	ug/kg	
75-09-2	Methylene chloride	ND	5.6	ug/kg	
100-42-5	Styrene	ND	5.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	
127-18-4	Tetrachloroethene	ND	5.6	ug/kg	
108-88-3	Toluene	ND	5.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg	
79-01-6	Trichloroethene	109	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	ug/kg	
1330-20-7	Xylene (total)	ND	5.6	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB1-CARSW56110		
Lab Sample ID:	E94828-1	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		55-132%
17060-07-0	1,2-Dichloroethane-D4	98%		54-129%
2037-26-5	Toluene-D8	96%		65-133%
460-00-4	4-Bromofluorobenzene	111%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB1-CARSW56110		
Lab Sample ID:	E94828-1	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	89.7
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Copper	15.9	2.7	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Lead	3.7	1.1	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Manganese	308	1.6	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Nickel	10.7	4.3	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB1-CARSW56110		
Lab Sample ID:	E94828-1	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	89.7
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<1.1	1.1	mg/kg	1	07/23/01	JK	SW846 9012 M
Solids, Percent	89.7		%	1	07/14/01	TM	ASTM 4643-00
pH [a]	8.6		su	1	07/16/01	JKT	SW846 9045

(a) Sample received beyond holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB2-CARSW56208		
Lab Sample ID:	E94828-2	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45039.D	1	07/16/01	DFT	n/a	n/a	VK1557
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.7	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	ug/kg	
75-25-2	Bromoform	ND	5.7	ug/kg	
74-83-9	Bromomethane	ND	5.7	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.7	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	ug/kg	
75-00-3	Chloroethane	ND	5.7	ug/kg	
67-66-3	Chloroform	ND	5.7	ug/kg	
74-87-3	Chloromethane	ND	5.7	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	ug/kg	
100-41-4	Ethylbenzene	4.2	5.7	ug/kg	J
591-78-6	2-Hexanone	ND	5.7	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	ug/kg	
75-09-2	Methylene chloride	ND	5.7	ug/kg	
100-42-5	Styrene	ND	5.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	ug/kg	
108-88-3	Toluene	ND	5.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	ug/kg	
79-01-6	Trichloroethene	ND	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	ug/kg	
1330-20-7	Xylene (total)	16.3	5.7	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB2-CARSW56208		
Lab Sample ID:	E94828-2	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		55-132%
17060-07-0	1,2-Dichloroethane-D4	106%		54-129%
2037-26-5	Toluene-D8	95%		65-133%
460-00-4	4-Bromofluorobenzene	116%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB2-CARSW56208		
Lab Sample ID:	E94828-2	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	88.0
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Copper	25.7	2.8	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Lead	3.4	1.1	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Manganese	525	1.7	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Nickel	8.9	4.4	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB2-CARSW56208		
Lab Sample ID:	E94828-2	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	88.0
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<1.1	1.1	mg/kg	1	07/23/01	JK	SW846 9012 M
Solids, Percent	88		%	1	07/14/01	TM	ASTM 4643-00
pH [a]	8.1		su	1	07/16/01	JKT	SW846 9045

(a) Sample received beyond holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB7-CARSW56706		
Lab Sample ID:	E94828-3	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45000.D	1	07/15/01	DFT	n/a	n/a	VK1556
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	30.6	6.0	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	ug/kg	
75-25-2	Bromoform	ND	6.0	ug/kg	
74-83-9	Bromomethane	ND	6.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	ug/kg	
75-00-3	Chloroethane	ND	6.0	ug/kg	
67-66-3	Chloroform	ND	6.0	ug/kg	
74-87-3	Chloromethane	ND	6.0	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	ug/kg	
75-34-3	1,1-Dichloroethane	4.8	6.0	ug/kg	J
107-06-2	1,2-Dichloroethane	ND	6.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	ug/kg	
591-78-6	2-Hexanone	ND	6.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	ug/kg	
75-09-2	Methylene chloride	ND	6.0	ug/kg	
100-42-5	Styrene	ND	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	ug/kg	
108-88-3	Toluene	ND	6.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ug/kg	
79-01-6	Trichloroethene	ND	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	ug/kg	
1330-20-7	Xylene (total)	ND	6.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB7-CARSW56706		
Lab Sample ID:	E94828-3	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		55-132%
17060-07-0	1,2-Dichloroethane-D4	92%		54-129%
2037-26-5	Toluene-D8	99%		65-133%
460-00-4	4-Bromofluorobenzene	97%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB7-CARSW56706		
Lab Sample ID:	E94828-3	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	82.9
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Copper	23.6	3.1	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Lead	9.2	1.2	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Manganese	312	1.8	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B
Nickel	23.3	4.9	mg/kg	1	07/16/01	07/19/01	EK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB7-CARSW56706		
Lab Sample ID:	E94828-3	**Date Sampled:**	07/11/01
Matrix:	SO - Soil	**Date Received:**	07/12/01
		Percent Solids:	82.9
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<1.2	1.2	mg/kg	1	07/23/01	JK	SW846 9012 M
Solids, Percent	82.9		%	1	07/14/01	TM	ASTM 4643-00
pH [a]	7.8		su	1	07/16/01	JKT	SW846 9045

(a) Sample received beyond holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB4-CARSW56401		
Lab Sample ID:	E94828-4	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47135.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	7.7	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	1.8	2.0	ug/l	J
156-59-2	cis-1,2-Dichloroethene	281	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	26.8	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	38.7	1.0	ug/l	
75-01-4	Vinyl chloride	8.8	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB4-CARSW56401		
Lab Sample ID:	E94828-4	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		81-118%
17060-07-0	1,2-Dichloroethane-D4	108%		68-124%
2037-26-5	Toluene-D8	97%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB4-CARSW56401		
Lab Sample ID:	E94828-4	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
pH [a]	11.1		su	1	07/12/01 FAB	EPA 150.1

(a) Sample received out of holding time for pH analysis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-SB4-CARSW56401		
Lab Sample ID:	E94828-4A	**Date Sampled:**	07/11/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/12/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.2	5.0	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B
Chromium	<10	10	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B
Iron	29000	100	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B
Lead [a]	13.1	9.0	ug/l	3	07/13/01	07/18/01	ND	SW846 6010B
Manganese	4600	15	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B
Nickel	272	40	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B
Selenium	<5.0	5.0	ug/l	1	07/13/01	07/17/01	ND	SW846 6010B

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

CHAIN OF CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

SO GW

ACCUTEST JOB #: E94828
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: May Heflin
COMPANY: EnSafe Inc
ADDRESS: 220 Athens Way Ste 410
CITY: Nashville STATE: TN ZIP: 37228
SEND REPORT TO: May Heflin
PHONE #: 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC Carrier RFI
LOCATION: Syracuse NY
PROJECT NO.: 3133-031
FAX #: 615-255-9345

ANALYTICAL INFORMATION

VOA 8260 *
pH
Cyanide
metals *

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOA	pH	Cyanide	metals			LAB USE ONLY
-1	ENS-SYR-TMP-SB1-CARSW56110	7-11-01	0930	JPG/CTH	SO	2					X	✓	✓	✓	✓		SB1 10.5-12.5	223 1447
-2	ENS-SYR-TMP-SB2-CARSW56208	7-11-01	1015	JPG/CTH	SO	2					X	✓	✓	✓	✓		SB2 8.5-10.5	
-3	ENS-SYR-TMP-SB7-CARSW56706	7-11-01	1220	JPG/CTH	SO	2					X	✓	✓	✓	✓		SB7 6.5-8.5	
-4(A)	ENS-SYR-TMP-SB4-CARSW56401	7-11-01	1150	JPG/CTH	GW	3 5					X	✓	✓		✓	pH=11.10	SB4 Wtr Sol	1A, 7N, 955

AQ - VOA PP-5 w/ 8 metals = SPA

* VOA = TCL, 8 Metals = Cu, Pb, Ni, Mn

AQ Metals = As, Cr, Pb, Se, Fe, Mg, Ni - filter in BK 7/13/01

DATA TURNAROUND INFORMATION

- [X] 21 DAYS STANDARD
- [ ] 14 DAYS *RUSH*
- [ ] 7 DAYS *EMERGENCY*
- [ ] OTHER

APPROVED BY: _____

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] NJ REDUCED
- [ ] NJ Full
- [ ] FULL CLP
- [ ] DISK DELIVERABLE
- [ ] OTHER (SPECIFY) _____
- [ ] COMMERCIAL "A"
- [ ] COMMERCIAL "B"
- [ ] STATE FORMS

COMMENTS/REMARKS

for SB4 sol (groundwater) Sol was very turbid when preserved for total metals

⊗ NEITHER MTBE OR VOA APPEAR PRESERVED - ADDED 1 VIAL HNO3 TO MTBE - APPROVED NEUTRON. Rec 7-12-01

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-11-01 1600	1. UPS	2. UPS	7-12-01 1000	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE TEMPERATURE 2 C

ACCUTEST

07/27/01

Technical Report for

United Technology Corporation

ENSTNN: Carrier, Syracuse, NY

UARP #NS-07/03/01-MMH-01

Accutest Job Number: E94829

Report to:

Ensafe
311 Plus Park
Suite 130
Nashville, TN 37217

ATTN: May Heflin

Total number of pages in report: 83

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

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Sample Summary

United Technology Corporation

Job No: E94829

ENSTNN: Carrier, Syracuse, NY
Project No: UARP #NS-07/03/01-MMH-01

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
E94829-1	07/10/01	14:30 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-MW9-CARGMW0904
E94829-2	07/10/01	16:20 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-MW00BG-CARGMW5604
E94829-3	07/11/01	08:15 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-0006-CARG000604
E94829-4	07/11/01	08:15 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-0006-CARH000604
E94829-5	07/11/01	08:45 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-9903-CARG990304
E94829-6	07/11/01	09:30 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-9901-CARG990104
E94829-7	07/11/01	11:48 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-MW5D-CARGMW5D04
E94829-8	07/11/01	11:45 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-MW5S-CARGMW5S04
E94829-9	07/11/01	14:00 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-9902-CARG990204
E94829-10	07/11/01	14:45 BH	07/12/01	AQ	Ground Water	ENS-SYR-TMP-MW07-CARGMW0704
E94829-11	07/11/01	00:00 BH	07/12/01	AQ	Trip Blank Water	ENS-SYR-TMP-TRIPBLK-CART071101

ACCUTEST.

Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. ✓
2. Table of Contents. ✓
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. ✓
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. ✓
5. Document bound, paginated and legible. ✓
6. Chain of Custody ✓
7. Methodology Summary ✓
8. Laboratory Chronicle and Holding Time Check ✓
9. Results submitted on a dry weight basis (if applicable) ✓ N/A
10. Method Detection Limits. ✓
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. ✓
12. Non-Conformance Summary. ✓

Jian-hua Tang
QC Reviewer

7/26/2001
Date

New Jersey • Fresh Ponds Corporate Village • Building B • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499 • http://www.accutest.com

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Table Of Contents
Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

A. Results Summary
B. Chain of Custody
C. Laboratory Chronicles

Section 2 GC/MS Support Data (grouped by fraction)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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Results

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW9-CARGMW0904		
Lab Sample ID:	E94829-1	**Date Sampled:**	07/10/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47136.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	2.4	5.0	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.9	5.0	ug/l	J
156-60-5	trans-1,2-Dichloroethene	0.61	5.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	6.6	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	6.2	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW9-CARGMW0904		
Lab Sample ID:	E94829-1	**Date Sampled:**	07/10/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		81-118%
17060-07-0	1,2-Dichloroethane-D4	112%		68-124%
2037-26-5	Toluene-D8	95%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW00BG-CARGMW5604		
Lab Sample ID:	E94829-2	**Date Sampled:**	07/10/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47137.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW00BG-CARGMW5604		
Lab Sample ID:	E94829-2	**Date Sampled:**	07/10/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		81-118%
17060-07-0	1,2-Dichloroethane-D4	112%		68-124%
2037-26-5	Toluene-D8	96%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0006-CARG000604		
Lab Sample ID:	E94829-3	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47138.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	7.2	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0006-CARG000604		
Lab Sample ID:	E94829-3	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		81-118%
17060-07-0	1,2-Dichloroethane-D4	111%		68-124%
2037-26-5	Toluene-D8	97%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0006-CARH000604		
Lab Sample ID:	E94829-4	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47139.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0006-CARH000604		
Lab Sample ID:	E94829-4	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		81-118%
17060-07-0	1,2-Dichloroethane-D4	111%		68-124%
2037-26-5	Toluene-D8	109%		85-119%
460-00-4	4-Bromofluorobenzene	102%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9903-CARG990304		
Lab Sample ID:	E94829-5	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47140.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	26.5	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.9	5.0	ug/l	J
156-60-5	trans-1,2-Dichloroethene	3.9	5.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	1.1	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9903-CARG990304		
Lab Sample ID:	E94829-5	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-118%
17060-07-0	1,2-Dichloroethane-D4	101%		68-124%
2037-26-5	Toluene-D8	97%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9901-CARG990104		
Lab Sample ID:	E94829-6	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47141.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9901-CARG990104		
Lab Sample ID:	E94829-6	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		81-118%
17060-07-0	1,2-Dichloroethane-D4	115%		68-124%
2037-26-5	Toluene-D8	98%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW5D-CARGMW5D04		
Lab Sample ID:	E94829-7	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47142.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW5D-CARGMW5D04		
Lab Sample ID:	E94829-7	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		81-118%
17060-07-0	1,2-Dichloroethane-D4	114%		68-124%
2037-26-5	Toluene-D8	98%		85-119%
460-00-4	4-Bromofluorobenzene	101%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW5S-CARGMW5S04		
Lab Sample ID:	E94829-8	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47143.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	1.2	5.0	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	5.2	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW5S-CARGMW5S04		
Lab Sample ID:	E94829-8	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		81-118%
17060-07-0	1,2-Dichloroethane-D4	111%		68-124%
2037-26-5	Toluene-D8	97%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9902-CARG990204		
Lab Sample ID:	E94829-9	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47144.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	45.9	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9902-CARG990204		
Lab Sample ID:	E94829-9	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		81-118%
17060-07-0	1,2-Dichloroethane-D4	115%		68-124%
2037-26-5	Toluene-D8	97%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW07-CARGMW0704		
Lab Sample ID:	E94829-10	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47147.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MW07-CARGMW0704		
Lab Sample ID:	E94829-10	**Date Sampled:**	07/11/01
Matrix:	AQ - Ground Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		81-118%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	105%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-TRIPBLK-CART071101		
Lab Sample ID:	E94829-11	**Date Sampled:**	07/11/01
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47148.D	1	07/16/01	GTT	n/a	n/a	VE2513
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-TRIPBLK-CART071101		
Lab Sample ID:	E94829-11	**Date Sampled:**	07/11/01
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		81-118%
17060-07-0	1,2-Dichloroethane-D4	116%		68-124%
2037-26-5	Toluene-D8	98%		85-119%
460-00-4	4-Bromofluorobenzene	95%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

GW TB

ACCUTEST JOB #: E94829
ACCUTEST QUOTE #:

CLIENT INFORMATION

Mary Heflin % EnSafe
NAME
320 Athena Way Ste 410
ADDRESS
Nashville TN 37228
CITY, STATE ZIP

SEND REPORT TO: Mary Heflin
PHONE # 615-255-9300

FACILITY INFORMATION

UTC Carrier RFI
PROJECT NAME
Syracuse NY
LOCATION
3133-031
PROJECT NO.

FAX # 615-255-9345

ANALYTICAL INFORMATION

8260 VOA
TCL pp
DK 7/13/01

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE		LAB USE ONLY
-1	ENS-SYR-TMP-MW9 - CARGMW0904	7-10-01	1430	BH/KC	GW	3	X					✓	
-2	ENS-SYR-TMP-MW08S - CARGMW0804	7-10-01	1620			3	X					✓	
-3	ENS-SYR TMP-0006 CARG000604	7-11-01	0815			3	X					✓	
-4	ENS-SYR TMP-0006-CARH000604	7-11-01	0815			3	X					✓	
-5	ENS-SYR-TMP-9903-CARG990304	7-11-01	0845			3	X					X	
-6	ENS-SYR-TMP-9901-CARG990104	7-11-01	0930			3	X					X	960
-7	ENS-SYR-TMP-MW5D-CARGMW5D04	7-11-01	1148			3	X					X	
-8	ENS-SYR TMP-MW5S-CARGMW5S04	7-11-01	1145			3	X					X	
-9	ENS-SYR-TMP-9902-CARG990204	7-11-01	1400			3	X					X	
-10	ENS-SYR-TMP-MW07-CARGMW0704	7-11-01	1445			3	X					X	
-11	ENS-SYR-TMP-TRIPBLK - CARTO71101	7-11-01	—			2	X					✓	

DATA TURNAROUND INFORMATION

☒ 21 DAYS STANDARD — APPROVED BY:
☐ 14 DAYS *RUSH*
☐ 7 DAYS *EMERGENCY*
☐ OTHER

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ NJ REDUCED
☐ NJ Full
☐ FULL CLP
☐ DISK DELIVERABLE
☐ OTHER (SPECIFY)
☐ COMMERCIAL "A"
☐ COMMERCIAL "B"
☐ STATE FORMS

COMMENTS/REMARKS

~~TB included added pending CC review~~ 7/12/01
X TB filled 7/6/01 @ 12:30 ~~7/12~~

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
	7-11-01 1800	1. UPS	2. UPS	7-12-01 1000	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE
5.		5.		☑	☑	2 C

5

Sample Summary

United Technology Corporation

Job No: E94945

ENSTNN: Carrier, Syracuse, NY
Project No: UARP # 3133-031

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
E94945-1	07/12/01	12:55 JPB	07/13/01	SO	Soil	1 ENS-SYR-TMP-PSA2/SB1-CARS20104
E94945-2	07/12/01	13:13 JPB	07/13/01	SO	Soil	2 ENS-SYR-TMP-PSA2/SB2-CARS20204
E94945-3	07/12/01	13:32 JPB	07/13/01	SO	Soil	3 ENS-SYR-TMP-PSA2/SB3-CARS20304
E94945-4	07/12/01	14:30 JPB	07/13/01	SO	Soil	4 ENS-SYR-TMP-PSA2/SB4-CARS20404
E94945-5	07/12/01	14:30 JPB	07/13/01	SO	Soil	4 ENS-SYR-TMP-PSA2/SB4-CARS20404
E94945-6	07/12/01	13:55 JPB	07/13/01	SO	Soil	5 ENS-SYR-TMP-PSA2/SB5-CARS20502
E94945-7	07/12/01	14:11 JPB	07/13/01	SO	Soil	6 ENS-SYR-TMP-PSA2/SB6-CARS20604
E94945-8	07/12/01	14:58 JPB	07/13/01	SO	Soil	7 ENS-SYR-TMP-PSA2/SB7-CARS20702
E94945-9	07/12/01	15:20 JPB	07/13/01	SO	Soil	8 ENS-SYR-TMP-PSA2/SB8-CARS20804
E94945-10	07/12/01	15:38 JPB	07/13/01	SO	Soil	9 ENS-SYR-TMP-PSA2/SB9-CARS20904
E94945-11	07/12/01	15:48 JPB	07/13/01	SO	Soil	10 ENS-SYR-TMP-PSA2/SB10-CARS21002
E94945-12	07/12/01	00:00 JPB	07/13/01	AQ	Trip Blank Soil	11 ENS-SYR-TRIP BLK-CART071201
E94945-13	07/12/01	08:05 JPB	07/13/01	AQ	Ground Water	12 ENS-SYR-TMP-MW01-CARGMW0104

Sample Summary
(continued)

United Technology Corporation

Job No: E94945

ENSTNN: Carrier, Syracuse, NY
Project No: UARP # 3133-031

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
E94945-14	07/12/01	09:25	JPB	07/13/01	AQ	Ground Water	13 ENS-SYR-TMP-MW06-CARGMW0604
E94945-15	07/12/01	10:35	JPB	07/13/01	AQ	Ground Water	14 ENS-SYR-TMP-MW05-CARGMW0504
E94945-16	07/12/01	12:35	JPB	07/13/01	AQ	Ground Water	15 ENS-SYR-TMP-MW3D-CARGMW3D04
E94945-17	07/12/01	13:15	JPB	07/13/01	AQ	Ground Water	16 ENS-SYR-TMP-MW3S-CARGMW3S04
E94945-18	07/12/01	14:15	JPB	07/13/01	AQ	Ground Water	17 ENS-SYR-TMP-MW08-CARGMW0804
E94945-19	07/12/01	14:15	JPB	07/13/01	AQ	Ground Water	18 ENS-SYR-TMP-MW08-CARHMW0804
E94945-13A	07/12/01	08:05	JPB	07/13/01	AQ	Groundwater Filtered	12 ENS-SYR-TMP-MW01-CARGMW0104
E94945-14A	07/12/01	09:25	JPB	07/13/01	AQ	Groundwater Filtered	13 ENS-SYR-TMP-MW06-CARGMW0604
E94945-15A	07/12/01	10:35	JPB	07/13/01	AQ	Groundwater Filtered	14 ENS-SYR-TMP-MW05-CARGMW0504
E94945-16A	07/12/01	12:35	JPB	07/13/01	AQ	Groundwater Filtered	15 ENS-SYR-TMP-MW3D-CARGMW3D04
E94945-17A	07/12/01	13:15	JPB	07/13/01	AQ	Groundwater Filtered	16 ENS-SYR-TMP-MW3S-CARGMW3S04

ACCUTEST.

Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report.	✓
2. Table of Contents.	✓
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s	✓
5. Document bound, paginated and legible.	✓
6. Chain of Custody	✓
7. Methodology Summary	✓
8. Laboratory Chronicle and Holding Time Check	✓
9. Results submitted on a dry weight basis (if applicable)	✓
10. Method Detection Limits.	✓
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12. Non-Conformance Summary.	✓

Jian Shua Tang
QC Reviewer

8/8/2001
Date

[illegible] - Eagle Pond, Corporate Village - Building II - 22 Pleasant Hill - Dayton, NJ 08810 - tel: 732 329 0200 - fax: 732 329 3499 - http://www.accutest.com

ACCUTEST.

Percent Solids Determination

Accutest Laboratories employs a modified version of ASTM Method 4643-93 for the determination of percent solids to calculate dry weight. All data for solid matrices is reported on a dry weight basis by applying the percent solids data from this determination.

ACCUTEST.

Table Of Contents
Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

A. Results Summary
B. Chain of Custody
C. Laboratory Chronicles

Section 2 GC/MS Support Data (grouped by fraction)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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Results

Report of Analysis

Client Sample ID:	1 ENS-SYR-TMP-PSA2/SB1-CARS20104		
Lab Sample ID:	E94945-1	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.3
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45289.D	1	07/23/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.9	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	ug/kg	
75-25-2	Bromoform	ND	5.9	ug/kg	
74-83-9	Bromomethane	ND	5.9	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	ug/kg	
75-00-3	Chloroethane	ND	5.9	ug/kg	
67-66-3	Chloroform	ND	5.9	ug/kg	
74-87-3	Chloromethane	ND	5.9	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	ug/kg	
591-78-6	2-Hexanone	ND	5.9	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	ug/kg	
75-09-2	Methylene chloride	ND	5.9	ug/kg	
100-42-5	Styrene	ND	5.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	
127-18-4	Tetrachloroethene	ND	5.9	ug/kg	
108-88-3	Toluene	ND	5.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	ug/kg	
79-01-6	Trichloroethene	49.4	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	5.9	ug/kg	

8

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1 ENS-SYR-TMP-PSA2/SB1-CARS20104		
Lab Sample ID:	E94945-1	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.3
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		55-132%
17060-07-0	1,2-Dichloroethane-D4	109%		54-129%
2037-26-5	Toluene-D8	97%		65-133%
460-00-4	4-Bromofluorobenzene	99%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	2 ENS-SYR-TMP-PSA2/SB2-CARS20204		
Lab Sample ID:	E94945-2	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45290.D	1	07/23/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	9.7	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

10

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	2 ENS-SYR-TMP-PSA2/SB2-CARS20204		
Lab Sample ID:	E94945-2	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		55-132%
17060-07-0	1,2-Dichloroethane-D4	106%		54-129%
2037-26-5	Toluene-D8	98%		65-133%
460-00-4	4-Bromofluorobenzene	114%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	3 ENS-SYR-TMP-PSA2/SB3-CARS20304		
Lab Sample ID:	E94945-3	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45325.D	1	07/24/01	DFT	n/a	n/a	VK1563
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	4.5	5.8	ug/kg	J
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

12

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	3 ENS-SYR-TMP-PSA2/SB3-CARS20304		
Lab Sample ID:	E94945-3	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		55-132%
17060-07-0	1,2-Dichloroethane-D4	114%		54-129%
2037-26-5	Toluene-D8	94%		65-133%
460-00-4	4-Bromofluorobenzene	102%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4 ENS-SYR-TMP-PSA2/SB4-CARS20404		
Lab Sample ID:	E94945-4	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45292.D	1	07/23/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	15.1	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4 ENS-SYR-TMP-PSA2/SB4-CARS20404		
Lab Sample ID:	E94945-4	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		55-132%
17060-07-0	1,2-Dichloroethane-D4	101%		54-129%
2037-26-5	Toluene-D8	97%		65-133%
460-00-4	4-Bromofluorobenzene	115%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4 ENS-SYR-TMP-PSA2/SB4-CARS20404		
Lab Sample ID:	E94945-5	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45308.D	1	07/24/01	DFT	n/a	n/a	VK1563
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	10.7	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4 ENS-SYR-TMP-PSA2/SB4-CARS20404		
Lab Sample ID:	E94945-5	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		55-132%
17060-07-0	1,2-Dichloroethane-D4	103%		54-129%
2037-26-5	Toluene-D8	95%		65-133%
460-00-4	4-Bromofluorobenzene	109%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5 ENS-SYR-TMP-PSA2/SB5-CARS20502		
Lab Sample ID:	E94945-6	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	85.5
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45296.D	1	07/23/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	11.0	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5 ENS-SYR-TMP-PSA2/SB5-CARS20502		
Lab Sample ID:	E94945-6	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	85.5
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		55-132%
17060-07-0	1,2-Dichloroethane-D4	105%		54-129%
2037-26-5	Toluene-D8	98%		65-133%
460-00-4	4-Bromofluorobenzene	116%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	6 ENS-SYR-TMP-PSA2/SB6-CARS20604		
Lab Sample ID:	E94945-7	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45297.D	1	07/24/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	ND	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	6 ENS-SYR-TMP-PSA2/SB6-CARS20604		
Lab Sample ID:	E94945-7	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.7
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		55-132%
17060-07-0	1,2-Dichloroethane-D4	101%		54-129%
2037-26-5	Toluene-D8	97%		65-133%
460-00-4	4-Bromofluorobenzene	111%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	7 ENS-SYR-TMP-PSA2/SB7-CARS20702		
Lab Sample ID:	E94945-8	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45298.D	1	07/24/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	6.0	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	ug/kg	
75-25-2	Bromoform	ND	6.0	ug/kg	
74-83-9	Bromomethane	ND	6.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	ug/kg	
75-00-3	Chloroethane	ND	6.0	ug/kg	
67-66-3	Chloroform	ND	6.0	ug/kg	
74-87-3	Chloromethane	ND	6.0	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	ug/kg	
591-78-6	2-Hexanone	ND	6.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	ug/kg	
75-09-2	Methylene chloride	ND	6.0	ug/kg	
100-42-5	Styrene	ND	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	ug/kg	
108-88-3	Toluene	ND	6.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ug/kg	
79-01-6	Trichloroethene	114	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	ug/kg	
1330-20-7	Xylene (total)	ND	6.0	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	7 ENS-SYR-TMP-PSA2/SB7-CARS20702		
Lab Sample ID:	E94945-8	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		55-132%
17060-07-0	1,2-Dichloroethane-D4	106%		54-129%
2037-26-5	Toluene-D8	98%		65-133%
460-00-4	4-Bromofluorobenzene	115%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	8 ENS-SYR-TMP-PSA2/SB8-CARS20804		
Lab Sample ID:	E94945-9	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45299.D	1	07/24/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.9	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	ug/kg	
75-25-2	Bromoform	ND	5.9	ug/kg	
74-83-9	Bromomethane	ND	5.9	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	ug/kg	
75-00-3	Chloroethane	ND	5.9	ug/kg	
67-66-3	Chloroform	ND	5.9	ug/kg	
74-87-3	Chloromethane	ND	5.9	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	ug/kg	
591-78-6	2-Hexanone	ND	5.9	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	ug/kg	
75-09-2	Methylene chloride	ND	5.9	ug/kg	
100-42-5	Styrene	ND	5.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	
127-18-4	Tetrachloroethene	ND	5.9	ug/kg	
108-88-3	Toluene	ND	5.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	ug/kg	
79-01-6	Trichloroethene	28.3	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	5.9	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	8 ENS-SYR-TMP-PSA2/SB8-CARS20804		
Lab Sample ID:	E94945-9	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		55-132%
17060-07-0	1,2-Dichloroethane-D4	104%		54-129%
2037-26-5	Toluene-D8	97%		65-133%
460-00-4	4-Bromofluorobenzene	106%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	9 ENS-SYR-TMP-PSA2/SB9-CARS20904		
Lab Sample ID:	E94945-10	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45300.D	1	07/24/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.8	ug/kg	
71-43-2	Benzene	ND	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	ug/kg	
75-25-2	Bromoform	ND	5.8	ug/kg	
74-83-9	Bromomethane	ND	5.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	ug/kg	
75-00-3	Chloroethane	ND	5.8	ug/kg	
67-66-3	Chloroform	ND	5.8	ug/kg	
74-87-3	Chloromethane	ND	5.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	ug/kg	
591-78-6	2-Hexanone	ND	5.8	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	ug/kg	
75-09-2	Methylene chloride	ND	5.8	ug/kg	
100-42-5	Styrene	ND	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	ug/kg	
108-88-3	Toluene	ND	5.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg	
79-01-6	Trichloroethene	27.9	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	ug/kg	
1330-20-7	Xylene (total)	ND	5.8	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	9 ENS-SYR-TMP-PSA2/SB9-CARS20904		
Lab Sample ID:	E94945-10	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		55-132%
17060-07-0	1,2-Dichloroethane-D4	111%		54-129%
2037-26-5	Toluene-D8	98%		65-133%
460-00-4	4-Bromofluorobenzene	114%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	10 ENS-SYR-TMP-PSA2/SB10-CARS21002		
Lab Sample ID:	E94945-11	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K45301.D	1	07/24/01	DFT	n/a	n/a	VK1562
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	6.0	ug/kg	
71-43-2	Benzene	ND	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	ug/kg	
75-25-2	Bromoform	ND	6.0	ug/kg	
74-83-9	Bromomethane	ND	6.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	ug/kg	
75-00-3	Chloroethane	ND	6.0	ug/kg	
67-66-3	Chloroform	ND	6.0	ug/kg	
74-87-3	Chloromethane	ND	6.0	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	ug/kg	
591-78-6	2-Hexanone	ND	6.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	ug/kg	
75-09-2	Methylene chloride	ND	6.0	ug/kg	
100-42-5	Styrene	ND	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	ug/kg	
108-88-3	Toluene	ND	6.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ug/kg	
79-01-6	Trichloroethene	20.3	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	ug/kg	
1330-20-7	Xylene (total)	ND	6.0	ug/kg	

20

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	10 ENS-SYR-TMP-PSA2/SB10-CARS21002		
Lab Sample ID:	E94945-11	**Date Sampled:**	07/12/01
Matrix:	SO - Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		55-132%
17060-07-0	1,2-Dichloroethane-D4	109%		54-129%
2037-26-5	Toluene-D8	99%		65-133%
460-00-4	4-Bromofluorobenzene	108%		58-137%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	11 ENS-SYR-TRIP BLK-CART071201		
Lab Sample ID:	E94945-12	**Date Sampled:**	07/12/01
Matrix:	AQ - Trip Blank Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47357.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	11 ENS-SYR-TRIP BLK-CART071201		
Lab Sample ID:	E94945-12	**Date Sampled:**	07/12/01
Matrix:	AQ - Trip Blank Soil	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		81-118%
17060-07-0	1,2-Dichloroethane-D4	112%		68-124%
2037-26-5	Toluene-D8	100%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47349.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		81-118%
17060-07-0	1,2-Dichloroethane-D4	108%		68-124%
2037-26-5	Toluene-D8	96%		85-119%
460-00-4	4-Bromofluorobenzene	101%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28277.D	1	07/21/01	KLS	07/19/01	OP9795	GAB1592
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		25-134%
877-09-8	Tetrachloro-m-xylene	98%		25-134%
2051-24-3	Decachlorobiphenyl	80%		14-150%
2051-24-3	Decachlorobiphenyl	97%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	275	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	52800	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fluoride	<0.40	0.40	mg/l	1	07/26/01	VL	EPA 300/SW846 9056
HEM Oil and Grease	<5.0	5.0	mg/l	1	07/28/01	SJG	EPA 1664
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	08/02/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	08/02/01	JK	EPA 353.2
Nitrogen, Nitrite [b]	<0.010	0.010	mg/l	1	07/16/01	KY	SM18 4500NO2B
Phenols	<0.050	0.050	mg/l	1	07/31/01	JK	EPA 420.2
Total Organic Carbon	10.6	1.0	mg/l	1	07/19/01	AMS	415.1/9060 M/5310B M
Total Organic Halides	<0.050	0.050	mg/l	1	08/02/01	JJY	SW846 9020

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Analysis done out of holding time as per client request.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	12 ENS-SYR-TMP-MW01-CARGMW0104		
Lab Sample ID:	E94945-13A	**Date Sampled:**	07/12/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	<100	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	51200	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47352.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		81-118%
17060-07-0	1,2-Dichloroethane-D4	113%		68-124%
2037-26-5	Toluene-D8	96%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28278.D	1	07/21/01	KLS	07/19/01	OP9795	GAB1592
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		25-134%
877-09-8	Tetrachloro-m-xylene	109%		25-134%
2051-24-3	Decachlorobiphenyl	70%		14-150%
2051-24-3	Decachlorobiphenyl	79%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	1310	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	41800	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fluoride	<0.40	0.40	mg/l	1	07/26/01	VL	EPA 300/SW846 9056
HEM Oil and Grease	<5.0	5.0	mg/l	1	07/28/01	SJG	EPA 1664
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	08/02/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	08/02/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	07/13/01	KY	SM18 4500NO2B
Phenols	<0.050	0.050	mg/l	1	07/31/01	JK	EPA 420.2
Total Organic Carbon	<1.0	1.0	mg/l	1	07/19/01	AMS	415.1/9060 M/5310B M
Total Organic Halides	<0.050	0.050	mg/l	1	08/02/01	JJY	SW846 9020

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	13 ENS-SYR-TMP-MW06-CARGMW0604		
Lab Sample ID:	E94945-14A	**Date Sampled:**	07/12/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	<100	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	39800	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47353.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		81-118%
17060-07-0	1,2-Dichloroethane-D4	108%		68-124%
2037-26-5	Toluene-D8	98%		85-119%
460-00-4	4-Bromofluorobenzene	96%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28279.D	1	07/21/01	KLS	07/19/01	OP9795	GAB1592
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		25-134%
877-09-8	Tetrachloro-m-xylene	74%		25-134%
2051-24-3	Decachlorobiphenyl	90%		14-150%
2051-24-3	Decachlorobiphenyl	86%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	14.8	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	45.3	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	67000	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	21.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	103000	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fluoride	<0.40	0.40	mg/l	1	07/26/01	VL	EPA 300/SW846 9056
HEM Oil and Grease	<5.0	5.0	mg/l	1	07/28/01	SJG	EPA 1664
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	08/02/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	08/02/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	07/13/01	KY	SM18 4500NO2B
Phenols	<0.050	0.050	mg/l	1	07/31/01	JK	EPA 420.2
Total Organic Carbon	15.8	1.0	mg/l	1	07/19/01	AMS	415.1/9060 M/5310B M
Total Organic Halides [b]	0.47	0.20	mg/l	4	08/06/01	JJY	SW846 9020

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Second column analysis indicates possible matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	14 ENS-SYR-TMP-MW05-CARGMW0504		
Lab Sample ID:	E94945-15A	**Date Sampled:**	07/12/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	5190	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	95400	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47354.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	0.72	5.0	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	23.2	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.2	5.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		81-118%
17060-07-0	1,2-Dichloroethane-D4	120%		68-124%
2037-26-5	Toluene-D8	96%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28280.D	1	07/21/01	KLS	07/19/01	OP9795	GAB1592
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		25-134%
877-09-8	Tetrachloro-m-xylene	120%		25-134%
2051-24-3	Decachlorobiphenyl	99%		14-150%
2051-24-3	Decachlorobiphenyl	116%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	7.1	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	2370	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	49300	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fluoride	<0.40	0.40	mg/l	1	07/26/01	VL	EPA 300/SW846 9056
HEM Oil and Grease	<5.0	5.0	mg/l	1	07/28/01	SJG	EPA 1664
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	08/02/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	08/02/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	07/13/01	KY	SM18 4500NO2B
Phenols	<0.050	0.050	mg/l	1	07/31/01	JK	EPA 420.2
Total Organic Carbon	<1.0	1.0	mg/l	1	07/19/01	AMS	415.1/9060 M/5310B M
Total Organic Halides	<0.050	0.050	mg/l	1	08/02/01	JJY	SW846 9020

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	15 ENS-SYR-TMP-MW3D-CARGMW3D04		
Lab Sample ID:	E94945-16A	**Date Sampled:**	07/12/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	<100	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	48700	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47348.D	20	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	100	ug/l	
71-43-2	Benzene	ND	20	ug/l	
75-27-4	Bromodichloromethane	ND	20	ug/l	
75-25-2	Bromoform	ND	80	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	ug/l	
75-15-0	Carbon disulfide	ND	100	ug/l	
56-23-5	Carbon tetrachloride	ND	20	ug/l	
108-90-7	Chlorobenzene	ND	40	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	100	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
124-48-1	Dibromochloromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	164	100	ug/l	
107-06-2	1,2-Dichloroethane	ND	40	ug/l	
75-35-4	1,1-Dichloroethene	38.3	40	ug/l	J
156-59-2	cis-1,2-Dichloroethene	5780	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	13.9	100	ug/l	J
78-87-5	1,2-Dichloropropane	ND	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	ug/l	
100-41-4	Ethylbenzene	ND	20	ug/l	
591-78-6	2-Hexanone	ND	100	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	ug/l	
75-09-2	Methylene chloride	ND	40	ug/l	
100-42-5	Styrene	ND	100	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ug/l	
127-18-4	Tetrachloroethene	ND	20	ug/l	
108-88-3	Toluene	ND	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/l	
79-01-6	Trichloroethene	ND	20	ug/l	
75-01-4	Vinyl chloride	567	20	ug/l	
1330-20-7	Xylene (total)	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		81-118%
17060-07-0	1,2-Dichloroethane-D4	112%		68-124%
2037-26-5	Toluene-D8	111%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB28281.D	1	07/21/01	KLS	07/19/01	OP9795	GAB1592
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-134%
877-09-8	Tetrachloro-m-xylene	90%		25-134%
2051-24-3	Decachlorobiphenyl	74%		14-150%
2051-24-3	Decachlorobiphenyl	88%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	7.9	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Iron	8270	100	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Magnesium	73400	5000	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/19/01	EK	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Fluoride	<0.40	0.40	mg/l	1	07/26/01	VL	EPA 300/SW846 9056
HEM Oil and Grease	<5.0	5.0	mg/l	1	07/28/01	SJG	EPA 1664
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	08/02/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	08/02/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	07/13/01	KY	SM18 4500NO2B
Phenols	<0.050	0.050	mg/l	1	07/31/01	JK	EPA 420.2
Total Organic Carbon	2.8	1.0	mg/l	1	07/19/01	AMS	415.1/9060 M/5310B M
Total Organic Halides [b]	8.6	2.0	mg/l	40	08/02/01	JJY	SW846 9020

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Second column analysis indicates possible matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	16 ENS-SYR-TMP-MW3S-CARGMW3S04		
Lab Sample ID:	E94945-17A	**Date Sampled:**	07/12/01
Matrix:	AQ - Groundwater Filtered	**Date Received:**	07/13/01
		Percent Solids:	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<5.0	5.0	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Chromium	<10	10	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Iron	<100	100	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Lead	<3.0	3.0	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Magnesium	69800	5000	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Nickel	<40	40	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7
Selenium	<5.0	5.0	ug/l	1	07/18/01	07/23/01	ND	EPA 200.7

RL = Reporting Limit

Report of Analysis

Client Sample ID:	17 ENS-SYR-TMP-MW08-CARGMW0804		
Lab Sample ID:	E94945-18	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47355.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	5.0	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	17 ENS-SYR-TMP-MW08-CARGMW0804		
Lab Sample ID:	E94945-18	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		81-118%
17060-07-0	1,2-Dichloroethane-D4	110%		68-124%
2037-26-5	Toluene-D8	98%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18 ENS-SYR-TMP-MW08-CARHMW0804		
Lab Sample ID:	E94945-19	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E47356.D	1	07/20/01	GTT	n/a	n/a	VE2519
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.2	5.0	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18 ENS-SYR-TMP-MW08-CARHMW0804		
Lab Sample ID:	E94945-19	**Date Sampled:**	07/12/01
Matrix:	AQ - Ground Water	**Date Received:**	07/13/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		81-118%
17060-07-0	1,2-Dichloroethane-D4	114%		68-124%
2037-26-5	Toluene-D8	96%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

PAGE 1 OF 2

CHAIN OF CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

SO TB

ACCUTEST JOB #: E94945
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: May Heflin UTC
COMPANY: ENSR
ADDRESS: 220 Athens Way Suite 410
CITY: Nashville STATE: TN ZIP: 37228
SEND REPORT TO: may Heflin
PHONE #: 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC - Carrier
LOCATION: Syracuse NY
PROJECT NO.: 3133-031
FAX #: 615-255-9345

ANALYTICAL INFORMATION

VOA 8260
TCL BTEX DK

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE		LAB USE ONLY
1	ENS-SYR-TMP-PSA2/SB1-CARS20104	7-12-01	1255	JPG	SO	1					X	4-6'	1
2	ENS-SYR-TMP-PSA2/SB2-CARS20204	7-12-01	1313	JPG	SO	1					X	4-6'	2
3	ENS-SYR-TMP-PSA2/SB3-CARS20304	7-12-01	1332	JPG	SO	1					X	4-5'	3
4	ENS-SYR-TMP-PSA2/SB4-CARS20404	7-12-01	1430	JPG	SO	1					X	4-6'	4
5	ENS-SYR-TMP-PSA2/SB5-CARS20502	7-12-01	1355	JPG	SO	1					X	2-4'	5
6	ENS-SYR-TMP-PSA2/SB6-CARS20604	7-12-01	1411	JPG	SO	1					X	4-6'	6
7	ENS-SYR-TMP-PSA2/SB7-CARS20702	7-12-01	1458	JPG	SO	1					X	2-4'	7
8	ENS-SYR-TMP-PSA2/SB8-CARS20804	7-12-01	1520	JPG	SO	1					X	4-6'	8
9	ENS-SYR-TMP-PSA2/SB9-CARS20904	7-12-01	1538	JPG	SO	1					X	4-6'	9
10	ENS-SYR-TMP-PSA2/SB10-CARS21002	7-12-01	1548	JPG	SO	1					X	2-4	10
11	ENS-SYR-TMP-TRIPBLK-CART071201	7-12-01	1	—	W	2	X				X	TB filled 7/6/01 @ 0930 trip blank	11

14E1

2015

DATA TURNAROUND INFORMATION

- [X] 21 DAYS STANDARD — APPROVED BY: _____
- [ ] 14 DAYS *RUSH* _____
- [ ] 7 DAYS *EMERGENCY* _____
- [X] OTHER UTC Contract _____

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] NJ REDUCED
- [ ] NJ Full
- [ ] FULL CLP
- [ ] DISK DELIVERABLE
- [X] OTHER (SPECIFY) EQD UTC Contract
- [ ] COMMERCIAL "A"
- [ ] COMMERCIAL "B"
- [ ] STATE FORMS

cc rpt to May Heflin

COMMENTS/REMARKS

please take soil from ENS-SYR-TMP-PSA2/SB4-CARS20404 for duplicate analysis and lable sample ENS-SYR-TMP-PSA2/SB4DUP-CARC20404

RP# ENS-07/03/01-MMH-01

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-12-01 1800	1. UPS	2. UPS	7-13-01 0900	2.
RELINQUISHED BY: 2.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE (TB)	ON ICE X

TEMPERATURE 4 C

G-7 X-4 & -5 - SAME VO SVR 7-13-01

TRS

PAGE 2 OF 2

CHAIN OF CUSTODY

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

GW

ACCUTEST JOB #: E94945

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: UTC

ADDRESS:

CITY, STATE, ZIP:

SEND REPORT TO:

PHONE #:

FACILITY INFORMATION

PROJECT NAME: SYRACUSE, NY

LOCATION:

PROJECT NO.: 3133-031-04-009-00

FAX #:

ANALYTICAL INFORMATION

8260 Flash_Org (Ident) TCL, TOGS1 PP, RESNTP Total+Diss. Metals 64,227,10,7P,1B

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	LAB USE ONLY
12	ENS-SYR-TMP-MW01-CARGMW0104	7/11/01	0805	BI/KC	H2O	15	X		X	X	X	
13	ENS-SYR-TMP-MW06-CARGMW0604		0925			15	X		X	X	X	
14	ENS-SYR-TMP-MW05-CARGMW0504		1035			15	X		X	X	X	
15	ENS-SYR-TMP-MW3D-CARGMW3D04		1235			15	X		X	X	X	
16	ENS-SYR-TMP-MW3S-CARGMW3S04		1315			14	X		X	X	X	
17	ENS-SYR-TMP-MW08-CARGMW0804		1415			3	X					
18	ENS-SYR-TMP-MW08-CARHMW0804		1415			3	X					

- 12 -13 (A) -14 (N) 64,227,7P,1U,1B -15 (A)
- 13 -14 (N) -15 (A)
- 14 -15 (A) -16 (A)
- 15 -16 (A) -17 (A)
- 16 -17 (A) -18
- 17 -18
- 18 -19 -20

Temp Cooler 1 - 4°, 2 - 4°, 3 - 3°, 4 - 4°, 5 - 3°

rec'd 5 of 6 coolers

* rec'd 1 PCB and 3 VOA's only 7/12/01

* 1 of 3 PCB's rec'd broken 7/12/01

● remaining volumes rec'd 7/16/01 cooler temp - 5.5°

DATA TURNAROUND INFORMATION

- ☐ 21 DAYS STANDARD
- ☐ 14 DAYS *RUSH*
- ☐ 7 DAYS *EMERGENCY*
- ☒ OTHER UTC CONTRACT

APPROVED BY:

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ NJ REDUCED
- ☐ NJ Full
- ☐ FULL CLP
- ☐ DISK DELIVERABLE
- ☒ OTHER (SPECIFY) UTC EDD
- ☐ COMMERCIAL "A"
- ☐ COMMERCIAL "B"
- ☐ STATE FORMS

COMMENTS/REMARKS

Filter Diss. METALS

~~CARP#~~

ENS-07/03/01-MMH-01

CC Report to MAY HEFLIN

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. CLIENT		1. UPS	2. UPS	7-13-01 1000	2. TB
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☒	ON ICE ☒
5.		5.			TEMPERATURE 4 C

TRS

ACCUTEST

08/15/01

Technical Report for

United Technology Corporation

ENSTNN: Carrier, Syracuse, NY

UARP # 3133-031

Accutest Job Number: E95042

Report to:

Ensafe
220 Athens Way
Suite 410
Nashville, TN 37217

ATTN: May Heflin

Total number of pages in report: 288

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Sample Summary

United Technology Corporation

Job No: E95042

ENSTNN: Carrier, Syracuse, NY
Project No: UARP # 3133-031

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
E95042-1	07/13/01	12:16	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990409
E95042-2	07/13/01	11:46	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990410
E95042-3	07/13/01	13:55	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990405
E95042-4	07/13/01	13:37	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990406
E95042-5	07/13/01	12:40	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARH990408
E95042-6	07/13/01	12:40	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990408
E95042-7	07/13/01	14:15	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990404
E95042-8	07/13/01	13:00	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990407
E95042-9	07/13/01	14:35	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990403
E95042-10	07/13/01	10:35	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-BAG-CARG990403
E95042-11	07/13/01	10:40	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-BAG-CARG990406
E95042-12	07/13/01	14:55	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG990402
E95042-13	07/13/01	08:00	KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-0108-CARG010804

Sample Summary
(continued)

United Technology Corporation

Job No: E95042

ENSTNN: Carrier, Syracuse, NY
Project No: UARP # 3133-031

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
E95042-14	07/13/01	08:25 KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-0107-CARG010704
E95042-15	07/13/01	10:05 KC	07/14/01	AQ	Field Blank Water	ENS-SYR-TMP-FB-CARF071301
E95042-16	07/13/01	09:55 KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-EQUIP-CARE0715P
E95042-17	07/13/01	09:45 KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-EQUIP-CARE0701WL
E95042-18	07/13/01	15:20 KC	07/14/01	AQ	Ground Water	ENS-SYR-TMP-9904-CARG071301
E95042-19	07/13/01	00:00 KC	07/14/01	AQ	Trip Blank Water	ENS-SYR-TMP-TB-CART071301
E95042-20	07/13/01	09:15 KC	07/14/01	SO	Solid	ENS-SYR-TMP-MH39-CARMH03901
E95042-21	07/13/01	09:15 KC	07/14/01	SO	Solid	ENS-SYR-TMP-MH39-CARRM03901

ACCUTEST.

Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. ✓
2. Table of Contents. ✓
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. ✓
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. ✓
5. Document bound, paginated and legible. ✓
6. Chain of Custody. ✓
7. Methodology Summary ✓
8. Laboratory Chronicle and Holding Time Check. ✓
9. Results submitted on a dry weight basis (if applicable) ✓
10. Method Detection Limits. ✓
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. ✓
12. Non-Conformance Summary. ✓

Jian Hua Tang
QC Reviewer

8/7/2001
Date

New Jersey • Fresh Ponds Corporate Village • Building B • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499 • http://www.accutest.com

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Percent Solids Determination

Accutest Laboratories employs a modified version of ASTM Method 4643-93 for the determination of percent solids to calculate dry weight. All data for solid matrices is reported on a dry weight basis by applying the percent solids data from this determination.

ACCUTEST.

Table Of Contents
Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

A. Results Summary
B. Chain of Custody
C. Laboratory Chronicles

Section 2 GC/MS Support Data (grouped by fraction)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Tune Results Summary
G. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Surrogate Recovery Results Summary
D. Matrix Spike/Matrix Spike Duplicate Summary
E. Method Blank Summary
F. Calibration Summary (sorted by Instrument)
   - Initial Calibration Check Summary
   - Continuing Calibration Check Summary
G. Retention Time Shift Summary
H. Sample, Blank and Multi-peak Standard Chromatograms and Quant Reports

Section 4 Metals Support Data (sorted by Instrument Type - ICP, Furnace, Flame, Mercury)

A. Methodology Review
B. Conformance/Non-conformance Summary
C. Blank Results Summary
   - Initial and Continuing Calibration Blank Summary
   - Method Blank Summary
D. Batch Quality Control Summary
   - Matrix Spike and Duplicate Results Summary
   - Spike Blank and Lab Control Sample Summary
   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
   - Interfering Elements Check Standard Summary

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

A. Methodology Review
B. Conformance/Non-Conformance Summary
C. Batch Quality Control Summary
   - Method Blank and Spike Blank Results Summary
   - Matrix Spike Results Summary
   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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Results

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990409		
Lab Sample ID:	E95042-1	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47252.D	20	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	100	ug/l	
71-43-2	Benzene	ND	20	ug/l	
75-27-4	Bromodichloromethane	ND	20	ug/l	
75-25-2	Bromoform	ND	80	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	ug/l	
75-15-0	Carbon disulfide	ND	100	ug/l	
56-23-5	Carbon tetrachloride	ND	20	ug/l	
108-90-7	Chlorobenzene	ND	40	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	100	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
124-48-1	Dibromochloromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	60.4	100	ug/l	J
107-06-2	1,2-Dichloroethane	ND	40	ug/l	
75-35-4	1,1-Dichloroethene	ND	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	1950	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	ug/l	
100-41-4	Ethylbenzene	ND	20	ug/l	
591-78-6	2-Hexanone	ND	100	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	ug/l	
75-09-2	Methylene chloride	ND	40	ug/l	
100-42-5	Styrene	ND	100	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ug/l	
127-18-4	Tetrachloroethene	ND	20	ug/l	
108-88-3	Toluene	ND	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/l	
79-01-6	Trichloroethene	ND	20	ug/l	
75-01-4	Vinyl chloride	268	20	ug/l	
1330-20-7	Xylene (total)	ND	100	ug/l	

8

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990409		
Lab Sample ID:	E95042-1	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		81-118%
17060-07-0	1,2-Dichloroethane-D4	79%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	105%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990410		
Lab Sample ID:	E95042-2	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47253.D	10	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	43.4	50	ug/l	J
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	1480	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	7.1	20	ug/l	J
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	219	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990410		
Lab Sample ID:	E95042-2	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	80%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	104%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990405		
Lab Sample ID:	E95042-3	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47254.D	10	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	52.0	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	11.2	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1730	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	8.5	20	ug/l	J
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	259	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990405		
Lab Sample ID:	E95042-3	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	79%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	103%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990406		
Lab Sample ID:	E95042-4	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47255.D	10	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	52.7	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	11.2	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1810	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	ND	20	ug/l	
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	256	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990406		
Lab Sample ID:	E95042-4	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	79%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	102%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARH990408		
Lab Sample ID:	E95042-5	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47256.D	10	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	54.4	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	11.6	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1850	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	ND	20	ug/l	
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	281	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARH990408		
Lab Sample ID:	E95042-5	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	81%		81-118%
17060-07-0	1,2-Dichloroethane-D4	79%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	102%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990408		
Lab Sample ID:	E95042-6	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47257.D	10	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	53.7	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	12.0	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1870	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	8.5	20	ug/l	J
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	282	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990408		
Lab Sample ID:	E95042-6	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	79%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	100%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990404		
Lab Sample ID:	E95042-7	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47258.D	20	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	100	ug/l	
71-43-2	Benzene	ND	20	ug/l	
75-27-4	Bromodichloromethane	ND	20	ug/l	
75-25-2	Bromoform	ND	80	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	ug/l	
75-15-0	Carbon disulfide	ND	100	ug/l	
56-23-5	Carbon tetrachloride	ND	20	ug/l	
108-90-7	Chlorobenzene	ND	40	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	100	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
124-48-1	Dibromochloromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	69.9	100	ug/l	J
107-06-2	1,2-Dichloroethane	ND	40	ug/l	
75-35-4	1,1-Dichloroethene	ND	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	2390	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	ug/l	
100-41-4	Ethylbenzene	ND	20	ug/l	
591-78-6	2-Hexanone	ND	100	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	ug/l	
75-09-2	Methylene chloride	15.0	40	ug/l	J
100-42-5	Styrene	ND	100	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ug/l	
127-18-4	Tetrachloroethene	ND	20	ug/l	
108-88-3	Toluene	ND	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/l	
79-01-6	Trichloroethene	ND	20	ug/l	
75-01-4	Vinyl chloride	338	20	ug/l	
1330-20-7	Xylene (total)	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990404		
Lab Sample ID:	E95042-7	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	78%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990407		
Lab Sample ID:	E95042-8	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47259.D	20	07/25/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	100	ug/l	
71-43-2	Benzene	ND	20	ug/l	
75-27-4	Bromodichloromethane	ND	20	ug/l	
75-25-2	Bromoform	ND	80	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	ug/l	
75-15-0	Carbon disulfide	ND	100	ug/l	
56-23-5	Carbon tetrachloride	ND	20	ug/l	
108-90-7	Chlorobenzene	ND	40	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	100	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
124-48-1	Dibromochloromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	61.1	100	ug/l	J
107-06-2	1,2-Dichloroethane	ND	40	ug/l	
75-35-4	1,1-Dichloroethene	ND	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	2070	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	ug/l	
100-41-4	Ethylbenzene	ND	20	ug/l	
591-78-6	2-Hexanone	ND	100	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	ug/l	
75-09-2	Methylene chloride	14.8	40	ug/l	J
100-42-5	Styrene	ND	100	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	40	ug/l	
127-18-4	Tetrachloroethene	ND	20	ug/l	
108-88-3	Toluene	ND	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	60	ug/l	
79-01-6	Trichloroethene	ND	20	ug/l	
75-01-4	Vinyl chloride	332	20	ug/l	
1330-20-7	Xylene (total)	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990407		
Lab Sample ID:	E95042-8	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	78%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990403		
Lab Sample ID:	E95042-9	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47260.D	10	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	45.1	50	ug/l	J
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	10.3	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1600	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	6.8	20	ug/l	J
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	230	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

'24

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990403		
Lab Sample ID:	E95042-9	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-BAG-CARG990403		
Lab Sample ID:	E95042-10	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47261.D	25	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	120	ug/l	
71-43-2	Benzene	ND	25	ug/l	
75-27-4	Bromodichloromethane	ND	25	ug/l	
75-25-2	Bromoform	ND	100	ug/l	
74-83-9	Bromomethane	ND	120	ug/l	
78-93-3	2-Butanone (MEK)	ND	120	ug/l	
75-15-0	Carbon disulfide	ND	120	ug/l	
56-23-5	Carbon tetrachloride	ND	25	ug/l	
108-90-7	Chlorobenzene	ND	50	ug/l	
75-00-3	Chloroethane	ND	120	ug/l	
67-66-3	Chloroform	ND	120	ug/l	
74-87-3	Chloromethane	ND	120	ug/l	
124-48-1	Dibromochloromethane	ND	120	ug/l	
75-34-3	1,1-Dichloroethane	137	120	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	ug/l	
156-59-2	cis-1,2-Dichloroethene	4080	120	ug/l	
156-60-5	trans-1,2-Dichloroethene	22.1	120	ug/l	J
78-87-5	1,2-Dichloropropane	ND	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	25	ug/l	
591-78-6	2-Hexanone	ND	120	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	120	ug/l	
75-09-2	Methylene chloride	ND	50	ug/l	
100-42-5	Styrene	ND	120	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/l	
127-18-4	Tetrachloroethene	ND	25	ug/l	
108-88-3	Toluene	ND	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	120	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	75	ug/l	
79-01-6	Trichloroethene	ND	25	ug/l	
75-01-4	Vinyl chloride	500	25	ug/l	
1330-20-7	Xylene (total)	ND	120	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-BAG-CARG990403		
Lab Sample ID:	E95042-10	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-BAG-CARG990406		
Lab Sample ID:	E95042-11	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47262.D	50	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	ND	50	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	200	ug/l	
74-83-9	Bromomethane	ND	250	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	ND	100	ug/l	
75-00-3	Chloroethane	ND	250	ug/l	
67-66-3	Chloroform	ND	250	ug/l	
74-87-3	Chloromethane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	250	ug/l	
75-34-3	1,1-Dichloroethane	182	250	ug/l	J
107-06-2	1,2-Dichloroethane	ND	100	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	ug/l	
156-59-2	cis-1,2-Dichloroethene	6720	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	250	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	ug/l	
100-41-4	Ethylbenzene	ND	50	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
100-42-5	Styrene	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	ND	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	150	ug/l	
79-01-6	Trichloroethene	ND	50	ug/l	
75-01-4	Vinyl chloride	1090	50	ug/l	
1330-20-7	Xylene (total)	ND	250	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-BAG-CARG990406		
Lab Sample ID:	E95042-11	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990402		
Lab Sample ID:	E95042-12	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47263.D	10	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	32.0	50	ug/l	J
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	1160	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	ND	20	ug/l	
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	190	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG990402		
Lab Sample ID:	E95042-12	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		81-118%
17060-07-0	1,2-Dichloroethane-D4	78%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0108-CARG010804		
Lab Sample ID:	E95042-13	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47264.D	50	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	ND	50	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	200	ug/l	
74-83-9	Bromomethane	ND	250	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	ND	100	ug/l	
75-00-3	Chloroethane	ND	250	ug/l	
67-66-3	Chloroform	ND	250	ug/l	
74-87-3	Chloromethane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	250	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	ug/l	
156-59-2	cis-1,2-Dichloroethene	7020	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	29.2	250	ug/l	J
78-87-5	1,2-Dichloropropane	ND	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	ug/l	
100-41-4	Ethylbenzene	ND	50	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
100-42-5	Styrene	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	ND	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	150	ug/l	
79-01-6	Trichloroethene	8760	50	ug/l	
75-01-4	Vinyl chloride	505	50	ug/l	
1330-20-7	Xylene (total)	ND	250	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0108-CARG010804		
Lab Sample ID:	E95042-13	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0107-CARG010704		
Lab Sample ID:	E95042-14	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47265.D	1	07/26/01	MRD	n/a	n/a	VA1240
Run #2	A47296.D	2	07/26/01	MRD	n/a	n/a	VA1240

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	6.0	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	249 [a]	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.5	5.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	42.6	1.0	ug/l	
75-01-4	Vinyl chloride	11.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-0107-CARG010704		
Lab Sample ID:	E95042-14	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%	81%	81-118%
17060-07-0	1,2-Dichloroethane-D4	78%	77%	68-124%
2037-26-5	Toluene-D8	85%	86%	85-119%
460-00-4	4-Bromofluorobenzene	95%	105%	75-127%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-FB-CARF071301		
Lab Sample ID:	E95042-15	**Date Sampled:**	07/13/01
Matrix:	AQ - Field Blank Water	**Date Received:**	07/14/01
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW25328.D	1	07/17/01	YYX	07/17/01	OP9795	GWW851
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	1.7	ug/l	
11104-28-2	Aroclor 1221	ND	1.7	ug/l	
11141-16-5	Aroclor 1232	ND	1.7	ug/l	
53469-21-9	Aroclor 1242	ND	1.7	ug/l	
12672-29-6	Aroclor 1248	ND	1.7	ug/l	
11097-69-1	Aroclor 1254	ND	1.7	ug/l	
11096-82-5	Aroclor 1260	ND	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		25-134%
877-09-8	Tetrachloro-m-xylene	82%		25-134%
2051-24-3	Decachlorobiphenyl	44%		14-150%
2051-24-3	Decachlorobiphenyl	50%		14-150%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-EQUIP-CARE0715P		
Lab Sample ID:	E95042-16	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47271.D	1	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	7.6	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-EQUIP-CARE0715P		
Lab Sample ID:	E95042-16	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-EQUIP-CARE0701WL		
Lab Sample ID:	E95042-17	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47272.D	1	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	10.1	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-EQUIP-CARE0701WL		
Lab Sample ID:	E95042-17	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		81-118%
17060-07-0	1,2-Dichloroethane-D4	78%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	99%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG071301		
Lab Sample ID:	E95042-18	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47273.D	10	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	40	ug/l	
74-83-9	Bromomethane	ND	50	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	ND	20	ug/l	
75-00-3	Chloroethane	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
75-34-3	1,1-Dichloroethane	34.4	50	ug/l	J
107-06-2	1,2-Dichloroethane	ND	20	ug/l	
75-35-4	1,1-Dichloroethene	9.7	20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	1210	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	ug/l	
75-09-2	Methylene chloride	ND	20	ug/l	
100-42-5	Styrene	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	30	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-01-4	Vinyl chloride	199	10	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-9904-CARG071301		
Lab Sample ID:	E95042-18	**Date Sampled:**	07/13/01
Matrix:	AQ - Ground Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		81-118%
17060-07-0	1,2-Dichloroethane-D4	78%		68-124%
2037-26-5	Toluene-D8	86%		85-119%
460-00-4	4-Bromofluorobenzene	98%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-TB-CART071301		
Lab Sample ID:	E95042-19	**Date Sampled:**	07/13/01
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A47274.D	1	07/26/01	MRD	n/a	n/a	VA1240
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-TB-CART071301		
Lab Sample ID:	E95042-19	**Date Sampled:**	07/13/01
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/14/01
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNN: Carrier, Syracuse, NY		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		81-118%
17060-07-0	1,2-Dichloroethane-D4	77%		68-124%
2037-26-5	Toluene-D8	87%		85-119%
460-00-4	4-Bromofluorobenzene	97%		75-127%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH39-CARMH03901		
Lab Sample ID:	E95042-20	**Date Sampled:**	07/13/01
Matrix:	SO - Solid	**Date Received:**	07/14/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	54.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50909.D	1	07/25/01	LLP	07/17/01	OP9802	GCD1938
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	33	ug/kg	
11104-28-2	Aroclor 1221	ND	33	ug/kg	
11141-16-5	Aroclor 1232	ND	33	ug/kg	
53469-21-9	Aroclor 1242	ND	33	ug/kg	
12672-29-6	Aroclor 1248	ND	33	ug/kg	
11097-69-1	Aroclor 1254	ND	33	ug/kg	
11096-82-5	Aroclor 1260	1270	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		26-126%
877-09-8	Tetrachloro-m-xylene	84%		26-126%
2051-24-3	Decachlorobiphenyl	114%		23-149%
2051-24-3	Decachlorobiphenyl	81%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ENS-SYR-TMP-MH39-CARRM03901		
Lab Sample ID:	E95042-21	**Date Sampled:**	07/13/01
Matrix:	SO - Solid	**Date Received:**	07/14/01
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	62.8
Project:	ENSTNN: Carrier, Syracuse, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD50910.D	1	07/25/01	LLP	07/17/01	OP9802	GCD1938
Run #2							

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	28	ug/kg	
11104-28-2	Aroclor 1221	ND	28	ug/kg	
11141-16-5	Aroclor 1232	ND	28	ug/kg	
53469-21-9	Aroclor 1242	ND	28	ug/kg	
12672-29-6	Aroclor 1248	ND	28	ug/kg	
11097-69-1	Aroclor 1254	ND	28	ug/kg	
11096-82-5	Aroclor 1260	386	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		26-126%
877-09-8	Tetrachloro-m-xylene	80%		26-126%
2051-24-3	Decachlorobiphenyl	116%		23-149%
2051-24-3	Decachlorobiphenyl	93%		23-149%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #: G55042
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: UTC
ADDRESS:
CITY, STATE, ZIP:
SEND REPORT TO: Mary Heflin
PHONE # 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC Carrier
LOCATION: Syracuse NY
PROJECT NO.: 3133-031
FAX # 615-255-9345

ANALYTICAL INFORMATION

8260 VOA

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	HNO3	H2SO4	NONE	ICE	LAB USE ONLY
-1	ENS-SYR-TMP-9904-CARG990409	7/13/01	1216	BH/KC	H2O	3	X				X	
-2	ENS-SYR-TMP-9904-CARG990410		1146			3	X				X	
-3	ENS-SYR-TMP-9904-CARG990405		1355			3	X				X	
-4	ENS-SYR-TMP-9904-CARG990406		1337			3	X				X	2027
-5	ENS-SYR-TMP-9904-CARH990402		1240			3	X				X	
-6	ENS-SYR-TMP-9904-CARG990408		1240			3	X				X	
-7	ENS-SYR-TMP-9904-CARG990404		1415			3	X				X	
-8	ENS-SYR-TMP-9904-CARG990407		1300			3	X				X	
-9	ENS-SYR-TMP-9904-CARG990403		1435			3	X				X	
-10	ENS-SYR-TMP-BAG-CARG990403		1035			3	X				X	
-11	ENS-SYR-TMP-BAG-CARG990406		1040			3	X				X	

PRESERVATIVE FOR ADDITIONAL PARAMETERS

DATA TURNAROUND INFORMATION

- ☐ 21 DAYS STANDARD
- ☐ 14 DAYS *RUSH*
- ☐ 7 DAYS *EMERGENCY*
- ☒ OTHER UTC Contract

APPROVED BY:

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ NJ REDUCED
- ☐ NJ Full
- ☐ FULL CLP
- ☐ DISK DELIVERABLE
- ☒ OTHER (SPECIFY) UTC EDD
- ☐ COMMERCIAL "A"
- ☐ COMMERCIAL "B"
- ☐ STATE FORMS

COMMENTS/REMARKS

cc Report to Mary Heflin @ Ensafe

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-13-01 1730	1. FedEx	2. FedEx	7/14/01 1030	2.
3.	DATE TIME:	3.	4.	DATE TIME:	4.
5.	DATE TIME:	5.	SEAL #	PRESERVE WHERE APPLICABLE ☑	ON ICE ☐ TEMPERATURE 3.0 C

TRS

SOL
GW
FD
MS

CHAIN O. CUSTODY

ACCUTEST

2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #: E95042
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: UTC
ADDRESS:
CITY, STATE, ZIP:
SEND REPORT TO: Mary Hoffman
PHONE # 615-255-9300

FACILITY INFORMATION

PROJECT NAME: UTC - Carrier
LOCATION: Syracuse NY
PROJECT NO.: 3153-031
FAX # 615-255-9345

ANALYTICAL INFORMATION

8260 VOA
PCB 8082

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	H2SO3	H2SO4	NONE	ICE	LAB USE ONLY
-12	ENS-SYR-TMP-9904-CARG990402	7/13/01	1455	BM/KC	H2O	3	X					X	2027
-13	ENS-SYR-TMP-008-CARG010804		0800			3	X					X	
-14	ENS-SYR-TMP-0107-CARG010704		0825			3	X					X	
X -15	ENS-SYR-TMP-9904-CARG990401					3	X					X	
-15	ENS-SYR-TMP-FB-CARF071301		0955			3	X				X	X	ZR
-16	ENS-SYR-TMP-EQUIP-CARE07015P		0955			3	X					X	
-17	ENS-SYR-TMP-EQUIP-CARE07010L		0945			3	X					X	
-18	ENS-SYR-TMP-9904-CARG990401		1520	↓		3	X					X	
-19	ENS-SYR-TMP-TB-CART071301		—	LAB	↓	2	X					X	
-20	ENS-SYR-TMP-MH39-CARMH03901		0915	JG	SOL	1							2G
-21	ENS-SYR-TMP-MH39-CARM03901	↓	0915	JG	SOL	1							↓

Ran 6 of 1-300 and PAH, PCB's 6 gal, for evaluation volume of 0K

DATA TURNAROUND INFORMATION

- ☐ 21 DAYS STANDARD
- ☐ 14 DAYS *RUSH*
- ☐ 7 DAYS *EMERGENCY*
- ☒ OTHER UTC Contract

APPROVED BY: _____

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ NJ REDUCED
- ☐ NJ Full
- ☐ FULL CLP
- ☐ DISK DELIVERABLE
- ☒ OTHER (SPECIFY) UTC EDD
- ☐ COMMERCIAL "A"
- ☐ COMMERCIAL "B"
- ☐ STATE FORMS

COMMENTS/REMARKS

cc Report to Mary Hoffman @ ENSafe
WARP # ENS-07/03/01-MMH-01
X did Not receive 7/14/01
Rec'd as "-18" on 7/16/01

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	7-13-01 1730	1. EDD	2. EDD	7/14/01 1030	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐

TEMPERATURE 20 C

4

TRS

APPENDIX C

References

References

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Dames & Moore, 1986, *Phase I Groundwater Evaluation Report*, Pearl River, New York, 25 p.

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EnSafe, 2001a, *Release Assessment Report*, Nashville, Tennessee, 45 p.

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United Technologies, 2001, Response to NYSDEC Comments on Release Assessment Report, January 17, 2001 and RCRA Facility Investigation Work Plan January 18, 2001, Carrier Corporation, Thompson Road Plant, Syracuse, New York, 12 p.

Phase I and Phase II Groundwater Evaluation Reports

Release Assessment Report of (January 17, 2001) and the *RFI Work Plan* of (January 16, 2001)