Property Solutions INC.
Environmental & Engineering Consulting

501 Delran Parkway • Unit A • Delran, New Jersey 08075 • 856-764-6000 • Fax 856-461-4748

LIMITED PHASE II SUBSURFACE INVESTIGATION

of

Star Plaza
2050 Western Avenue
Guilderland, Albany County, New York 12084

Prepared for:

Segal & Wegner
138 Central Avenue
Albany, New York 12206

Prepared by:

Property Solutions Incorporated
31A Northfield Avenue
Edison, New York 08837

June 18, 2002

Property Solutions Project No. 20021193

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APPENDICES

1.0 INTRODUCTION

Property Solutions Incorporated (Property Solutions) conducted a Limited Phase II Subsurface Investigation of Guilderland Dry Cleaners within the Star Plaza building located at 2050 Western Avenue in Guilderland, Albany County, New York 12084 (subject property) at the request of Segal & Wegner of Albany, New York. The subject property is identified as 51.02, Block 2, Lots 5.1 and 5.2, according to the Guilderland Tax Assessor.

1.1 Purpose

During the May 3, 2002 property visit for the Phase I Environmental Assessment, Property Solutions observed dry cleaning operations in the Guilderland Dry Cleaning tenant space. Based on a review of city directories, Route 155 Dry Cleaners occupied the subject property from at least 1974 to at least 1983. According to Mr. Jim Shannon, Owner of Guilderland Dry Cleaners, Route 155 Cleaners was formerly located in the same tenant space as the current Guilderland Dry Cleaners. Mr. Shannon indicated that he took over the dry cleaning business that his parents operated in 1984 and changed the name to Guilderland Dry Cleaners. Review of the previous IVI Environmental, Inc. report dated October 27, 1997, revealed that significant staining was observed around the dry cleaning machines during their property visit. At the time of Property Solutions' property visit, metal sheet flooring covered the area surrounding the two dry cleaning machines.

Review of the previous environmental report prepared by IVI revealed that sanitary waste was formerly disposed of through an on-property septic system. Attached to the previous report prepared by Northeastern Environmental Technologies Corporation (NETC), was a plan depicting the location of the former septic system near the southwest corner of the subject property. This plan indicated that the septic system consisted of an existing 2,000-gallon septic tank, a "new" septic tank, and a leach field. The plan indicated that the sanitary waste line from the area of the dry cleaning tenant space discharged to the 2,000-gallon septic tank, which in turn discharged to the leach field. The plan did not depict the construction of the septic tank. The plan indicated that the septic tank was located approximately 70 feet southeast of the leach field.

NETC reported that three hollow stem auger borings were installed along the southwestern property line to address the septic system leach field to a depth of 27 below ground surface (bgs). NETC stated that these borings were later converted to permanent one-inch groundwater monitoring wells. The soils encountered were field screened utilizing a PID. Groundwater samples were collected from each of the wells and were submitted for laboratory analysis for volatile organic compounds (VOCs) by EPA method 8021. NETC reported that all parameters were below minimum detection limits with the exception of toluene and m,p xylene which were detected at concentrations ranging from 0.6 to 3.0 parts per billion (ppb).

No borings were installed in the vicinity of the dry cleaning tenant space or near the septic tank portion of the septic system. As the previous subsurface investigation did not adequately address the historic presence of the dry cleaner and staining observed by IVI, Property Solutions recommended that a Phase II Subsurface Investigation be performed in the vicinity of

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the dry cleaning tenant space and around the septic tank portion of the former septic system to determine if the environmental condition of the subject property has been impacted.

1.2 Scope

1. Property Solutions coordinated with a New York-certified driller to contact the utility mark-out.

2. Property Solutions coordinated with a New York-certified analytical laboratory for analysis of the environmental samples collected during this subsurface investigation.

3. Property Solutions coordinated the certified driller to advance soil borings at the subject property.

4. The certified driller advanced two (2) soil borings in the vicinity of the 2,000-gallon septic tank and two (2) soil borings in the vicinity of the dry cleaning tenant space for a total of four (4) soil borings. The soil borings were advanced utilizing hydraulic push techniques (Geoprobe) to a depth of 20 feet below ground surface (bgs), the soil/ground water interface zone, or until refusal was encountered, whichever occurred first. All environmental sampling equipment was decontaminated prior to the advancement of each boring.

5. Property Solutions advanced three (3) hammer drill and AMS soil sampling kit borings through the concrete slab floor within the dry cleaning tenant space. The soil borings were advanced to a depth of 4 feet bgs. All environmental sampling equipment was decontaminated prior to the advancement of each boring.

6. During advancement of the soil borings, continuous soil evaluation took place. The samples were logged and field screened with a photoionization detector (PID) for the presence of organic vapors. The PID was calibrated to a known isobutylene standard prior to the sampling event.

7. One (1) soil sample was collected from each soil boring for a total of seven (7) soil samples. The samples were collected in laboratory-supplied containers, stored on ice, and submitted under chain-of-custody to a New York-certified analytical laboratory for analysis. The soil samples were analyzed for Priority Pollutant List volatile organic compounds (VOCs)+15 with xylene (PPL VOC+15) by EPA method 8260B.

8. A total of three (3) grab groundwater samples were collected from temporary wells and placed in laboratory-supplied containers, stored on ice, and submitted under chain-of-custody to a New York-certified analytical laboratory for analysis. The grab groundwater samples were analyzed for Priority Pollutant List volatile organic compounds (VOCs)+15 with xylene (PPL VOC+15) by EPA method 624.

9. Property Solutions compared the analytical results to applicable soil and groundwater cleanup standards.

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10. Property Solutions prepared a plan identifying the locations of the soil borings based upon field measurements taken during the limited subsurface investigation.

11. Property Solutions prepared this summary report to document the activities and findings of this limited subsurface investigation.

1.3 Special Terms and Conditions

This Limited Phase II Limited Subsurface Investigation has been prepared in accordance with the stated and agreed upon Scope of Work. No special terms and conditions are applicable to this Limited Phase II Limited Subsurface Investigation.

1.4 Limitations and Exceptions of Investigation

The findings, observations, conclusions, and recommendations of this report are limited by the contract technical requirements and the methods used to perform the services outlined in the scope of work. These services have been performed in accordance with the above-described scope of work. In order to perform a comprehensive environmental evaluation, subsurface investigation and testing would be required to definitively evaluate whether contamination has affected the entire subject property. Therefore, the findings, conclusions, and recommendations presented herein are based solely on the scope of work previously described and information gathered. Incomplete or outstanding information identified throughout the body of this report is considered a limitation to the assessment. Limitations to the assessment also include weather conditions, vegetation cover, parked cars, trucks, dumpsters, and anything limiting visual observation of the subject property and neighboring properties.

All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters.). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

2.0 BACKGROUND

2.1 Property Location

Property Location	
Property Name	Star Plaza
Property Address	2050 Western Avenue
Property Town, County, State	Guilderland, Albany County, New York 12084
Property Tax Identification	Section 51.02, Block 2, Lots 5.1 and 5.2
Property Topographic Quadrangle	Voorheesville, New York
Nearest Intersection	Western Avenue and State Farm Road
Area Description	Commercial

An excerpt from the USGS 7.5-minute series topographic quadrangle map of Voorheesville, New York, locating the subject property, is included in Appendix A.

2.2 Property Description

Property Information	
Property Acreage	5.48 acres
Property Shape	Irregular
Property Use	Retail and office
Number of Buildings	Three
Number of Stories	One and two
Date of Construction	1964 and 1980
Building Square Footage	52,774 square feet
Basement/Slab-on-grade	Both
Number of Units	25
Ceiling Finishes	Ceiling tiles and exposed structural elements
Floor Finishes	Carpet, ceramic and vinyl tiles
Wall Finishes	Painted drywall and vinyl wall coverings
HVAC	Natural gas-fired and electric units
Renovation Date	1998, 2001

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Property Information	
Renovation Description	Façade and roof of Star Plaza subject building and façade of Dunkin Donuts subject building
Vehicular Access	Via Western Avenue
Other Improvements	None
Property Coverage	Footprints of the subject buildings, associated parking areas, lawn areas, and landscaping

A property diagram of the subject property is included in Appendix A.

2.3 Property Operations

At the time of the property visit, the subject property was occupied by the following tenants:

Tenant	Operations
Star Realty	Office
Super D Liquors	Retail liquor
Absolute Financial	Office
Bewley & Co. Tack Shoppe	Retail tack shop
Douglas Rickert	Office
Carolyn's Salon	Beauty shop
Aromi Ditalia	Restaurant
Lamination Preservation	Commercial
Off Track Betting	Commercial
Leah Flanigan	Commercial
Guilderland Dry Cleaners	Dry cleaning
Doratos Restaurant	Restaurant
Trustco	Coffee and donut shop
Key Bank	Bank
Dunkin Donuts	Restaurant
Mancini & Hayko	Office
Vanguard Capital Realty	Office

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Tenant	Operations
Simply Certificates	Office
Frank Fuller	Office
Richard F Hasse, PHD	Office
Northeastern Stud Welders	Office
Unishippers	Office
Emco Construction	Office
Vacant	Two vacant

The subject property is primarily utilized as a retail shopping center. In addition, the second floor of the Star Plaza subject building is utilized for commercial office purposes. No industrial or manufacturing operations were observed at the subject property during the property visit.

Guilderland Dry Cleaners performs dry cleaning operations at the subject property. The dry cleaning operations generate hazardous waste. Safety Kleen removes the hazardous waste from the subject property under waste disposal manifests. Metal sheet flooring covers the area of the dry cleaning machine. No stains were observed in the vicinity of the dry cleaning machine.

No environmental concerns were identified at the subject property based on the operations observed during the property visit.

2.4 Property History

Review of the city directories revealed that commercial retail establishments have historically occupied the subject property. The city directories revealed that Rudy's Service Station occupied the subject property from at least 1963 to at least 1969. In addition, Route 155 Dry Cleaners occupied the subject property from at least 1974 to at least 1983.

Review of the aerial photographs revealed that the Star Plaza subject building was initially constructed after 1960 and prior to 1969 and then expanded prior to 1982. The aerial photographs revealed that the Dunkin Donuts subject building and the Key Bank subject building were constructed after 1969 and prior to 1982. The aerial photographs revealed that the subject property was improved with three small structures along Western Avenue and a rectangular-shaped structure near the west portion of the subject property prior to the construction of the subject buildings.

Review of the Voorheesville, New York topographic quadrangle map revealed that the subject property was depicted as being improved with four small structures along Western Avenue and a rectangular-shaped structure near the west portion of the subject property. These structures were depicted in black, indicating that they were constructed prior to 1952. The subject property was also depicted as being improved with a structure similar in size, shape, and

orientation to the Star Plaza subject building. This structure was depicted in purple, indicating it was constructed after 1952 and prior to 1978.

Property Solutions interviewed Mr. Gordon Crouwse, Property Maintenance of Star Plaza, regarding the prior history of the subject property. Mr. Crouwse stated that he has been associated with the subject property since 1969. According to Mr. Crouwse, the subject property was previously improved with residential properties and a hotel. Mr. Crouwse indicated that Western Avenue was expanded and the portion of the property that was improved with the dwellings was taken for the widening of Western Avenue.

3.0 PHYSICAL SETTINGS

3.1 Topography/Regional Drainage

Review of the United States Geological Survey (USGS) 7.5-minute series topographic quadrangle map of Voorheesville, New York reveals that the elevation of the subject property ranges from approximately 250 to 260 feet above mean sea level. Topography in the vicinity of the subject property appears to decline to the southwest, toward the Kiakout Kill. Regional drainage appears to flow toward the southwest, toward the Kiakout Kill, located approximately 1,500 feet southwest of the subject property.

A copy of the USGS 7.5-minute series topographic quadrangle map of Voorheesville, New York is included in Appendix A.

3.2 Soils

Based on a review of the United States Department of Agriculture, Soil Conservation Service's Soil Survey of Albany County, New York (1992), soils in the area of the subject property are classified as Urban land (Ur). Urban land consists of nearly level to strongly sloping areas where asphalt, concrete, buildings, or other impervious materials cover more than 85 percent of the surface. Onsite investigation is needed to determine the potential and capabilities of any areas of soil material for any specific purpose.

3.3 Underlying Formation

Based on a review of the map entitled Geologic Map of New York (1970) by the University of the State of New York, the subject property is underlain by the Canajoharie Shale of the Middle Ordovician Period.

3.4 Ground Water

According to the Ground Water Atlas of the United States Segment 12 (1995) prepared by the United States Geologic Survey, Guilderland is underlain by crystalline rock aquifers. Glacial deposits of outwash and lacustrine sand and gravel fill ancient valleys cut into the bedrock and form the principal surficial aquifers in this area. However, in areas where the bedrock is

covered by impermeable materials, the surficial aquifers are not readily available and the bedrock itself is an important source of water. Because the hydraulic conductivity of the crystalline rocks is very low, the water does not penetrate the spaces between the mineral crystals but travels through secondary fractures and joints in the bedrock. These aquifers receive recharge directly from outcrop areas or indirectly through overlying glacial deposits.

Based on a review of the above-referenced document and the USGS topographic quadrangle map of Voorheesville, New York, it is expected that the depth to shallow groundwater is approximately 20 feet below ground surface (bgs). Local groundwater is expected to mirror local topography and migrate to the southwest, toward the Kiakout Kill.

4.0 FIELD INVESTIGATION ACTIVITIES

4.1 Field Activities

Field activities commenced on Tuesday, May 21, 2002, when Mr. Tim Clackett, Senior Project Manager of Property Solutions, arrived at the subject property to begin subsurface investigation activities. Weather conditions during field activities consisted of mostly cloudy skies and a temperature of approximately 65 degrees Fahrenheit.

4.2 Sampling Methods

4.2.1 Soil

Property Solutions coordinated Aquifer Drilling and Testing, Inc. (ADT) of Troy, New York to advance a total of four soil borings at the subject property. ADT advanced two soil borings (SB-1 and SB-2) along the south side of the subject building directly behind the loading dock adjacent to the dry cleaning tenant space and two soil borings (SB-3 and SB-4) adjacent to the 2,000-gallon septic tank. The borings were advanced utilizing Geoprobe hydraulic push techniques to a maximum depth of 16 feet below ground surface (bgs).

Property Solutions utilized a hammer drill to penetrate through the concrete slab floor within the Guilderland Dry Cleaners tenant space. Once soil was encountered, Property Solutions utilized an AMS soil sampling kit to advance the borings and collect soil samples.

4.2.2 Ground Water

Three of the soil borings (SB-1, SB-2, and SB-3) advanced by ADT were converted to temporary wells utilizing metal piezometers. Groundwater was obtained from the temporary piezometers utilizing a GeoTech Model II Peristaltic Pump. One grab groundwater sample was collected from each of the temporary wells (GW-1, GW-2, and GW-3) for a total of three ground water samples.

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4.3 Field Data Collection

4.3.1 Field Equipment

Property Solutions field screened soils collected from each soil boring for the presence of total volatile organic compounds (VOCs) using a PhotoVac 2020 photoionization detector (PID). The PID is a trace gas analyzer calibrated to an isobutylene standard, which is capable of detecting total volatile organic vapor concentrations to a lower limit of approximately one part per million (ppm). The PID readings ranged from 0.0 to 0.4 parts per million (ppm) throughout the investigation, with the highest reading detected in SB-1.

4.3.2 Visual and Olfactory Data

As the soil core samples were removed from the ground, the soils were examined by Property Solutions for both visual and olfactory evidence of contamination. During the course of this investigation, no visual or olfactory evidence of contamination was encountered in the soil borings.

4.3.3 Borings and Well Logs

Property Solutions field logged the soil borings continuously to determine property specific lithology. A field log was maintained for each boring detailing the observed soil conditions and drilling procedures. Soils encountered during the investigation typically consisted of orange fine sand and at lower depths gray fine sand with silt was encountered. Groundwater was typically encountered at 13 feet below ground surface.

A copy of the soil boring field log is located in Appendix C.

4.4 Health and Safety

Property Solutions prepared a Health and Safety Plan prior to the commencement of field activities.

4.5 Analytical Laboratory

4.5.1 Laboratory Information and Certification

The soil and groundwater samples collected were submitted under chain of custody to STL-Envirotech Research Inc., of Edison, New York (Envirotech). Envirotech is certified by the State of New York to analyze environmental samples collected in New York.

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4.5.2 Analytical Methods

The soil samples were collected in laboratory-supplied containers, stored on ice, and submitted under chain-of-custody to STL-Envirotech, for analysis. The soil samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 8260B.

The grab groundwater samples were collected in laboratory-supplied containers, stored on ice, and submitted under chain-of-custody to STL-Envirotech, for analysis. The groundwater samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 624.

4.5.3 Sample Management and Tracking

As each sample was collected, the sampling containers were labeled. The label denoted the name of the subject property, the sample location, the time and date the sample was collected, any preservatives added to the sample, and the analysis required for each sample. The information from each label was transferred onto the chain of custody form. Upon completion of the fieldwork, the soil samples were delivered under chain of custody to STL-Envirotech.

4.5.4 Laboratory Data Deliverables

For a summary of the analytical results refer to Section 6. Copies of the analytical data and the chain of custody are included in Appendix D.

4.6 Decontamination Procedures

4.6.1 Contractor Equipment

All contractor equipment, such as the Geoprobe bits and metal piezometers used during the investigation were cleaned with a mixture of liquinox and distilled water. All dedicated disposable equipment was disposed of upon completion of each soil sampling event.

4.6.2 Hand Equipment

All hand equipment used during the investigation was cleaned with a mixture of liquinox and distilled water. All dedicated disposable equipment was disposed of upon completion of each soil sampling event. Property Solutions field personnel utilized disposable latex gloves during sample collection and whenever they were in contact with the soils.

4.7 Quality Assurance/Quality Control Procedures

Per the agreed upon scope of work, no laboratory-prepared trip blanks or field blanks were collected or analyzed as part of this investigation.

5.0 REGULATORY STANDARDS

5.1 Soil

Property Solutions compared the soil analytical results to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994.

5.2 Ground Water

Property Solutions compared the groundwater analytical results to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998.

6.0 STUDY AREA OF INVESTIGATION

6.1 Dry Cleaning Tenant Space

6.1.1 Scope Summary

The Guilderland Dry Cleaners tenant space is located towards the east end of the Star Plaza building. Customers enter the Guilderland Dry Cleaners tenant space through the north entrance at the front of the Star Plaza building. The dry cleaning machines are situated towards the mid-rear of the tenant space. A metal and glass enclosure surrounds the two dry cleaning machines. In addition, a layer of sheet metal is located on the floor below the dry cleaning machines within the entire dry cleaning machine room enclosure. A rear entrance is located along the south side of the dry cleaning tenant space followed by an approximately 20 foot wide concrete loading dock. It was reported that fresh dry cleaning solvents are delivered in 55-gallon drums through the rear entrance from the loading dock. The hazardous wastes generated by Guilderland Dry Cleaners are also removed through the rear entrance.

Property Solutions coordinated Aquifer Drilling and Testing, Inc. (ADT) of Troy, New York to advance two soil borings (SB-1 and SB-2) along the south side of the subject building directly behind the dry cleaning tenant space and the concrete loading dock. The borings were advanced utilizing Geoprobe hydraulic push techniques to a maximum depth of 16 feet below ground surface (bgs).

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The two soil borings (SB-1 and SB-2) were converted to temporary wells utilizing metal piezometers. One grab groundwater sample was collected from each of the temporary wells (GW-1 and GW-2).

A total of three interior soil borings were advanced within the subject building in the area of the two dry cleaning machines. One boring (SB-5) was installed just outside the east side of the dry cleaning machine room enclosure and one boring (SB-6) was installed just outside the north side of the dry cleaning machine enclosure. As the tenant space is configured that the dry cleaning machine room enclosure is against the west and south walls of the tenant space, one boring (SB-7) was installed to the south of the dry cleaning machine room enclosure, within the adjacent vacant tenant space to the west. No penetrations were made through the metal sheet flooring within the dry cleaning room enclosure during this investigation. A hammer drill and AMS soil sampling kit were utilized to advance the interior soil borings. The soil borings were advanced to a depth of four feet below ground surface (bgs).

Continuous soil collection took place along with the advancement of the soil borings. The samples were logged and screened with a photoionization detector (PID). The PID readings ranged from 0.0 to 0.4 parts per million (ppm) throughout the investigation, with the highest reading detected in SB-1. One sample was collected from each completed soil borings for a total of five soil samples.

6.1.2 Soils

6.1.2.1 Description

Upon penetration of the 2-3 inches of asphalt pavement for borings SB-1 and SB-2, a 2 inch layer of gravel was encountered. For SB-1, soils encountered from approximately 6 inches below ground surface (bgs) to 11 feet bgs consisted of orange fine sand. The soils encountered in SB-1 from approximately 11 feet bgs to the end of the boring (16 feet bgs), consisted of a gray fine sand with silt. Groundwater was encountered at 14 feet bgs in SB-1. PID readings of the soils collected from SB-1 ranged from 0.0 to 0.4 ppm. The soil sample collected from SB-1 was obtained from the area with the highest PID reading, which was approximately 13 feet bgs.

The soils encountered in SB-2 were similar as the soils encountered in SB-1; however the change in color from orange to gray occurred at approximately 13 feet bgs. Groundwater was encountered in SB-2 at approximately 13.5 feet bgs. PID reading for the soils collected from SB-2 was 0.0 ppm. As no VOCs were detected by the PID, the soil sample from SB-2 was collected just above the groundwater table at approximately 13 feet bgs.

The interior borings (SB-5, SB-6, and SB-7) were installed through the approximately 4-6 inch concrete slab floor. Upon penetration of the concrete, the soils encountered consisted of orange fine sand. The three interior borings were advanced to 4 feet bgs and a soil sample was collected at the bottom of each boring.

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6.1.2.2 Results

The soil samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 8260B. The following table lists the analytical results as reported by STL-Envirotech:

	Sample ID	NYSDEC Rec. Soil Cleanup Objective Criteria (µg/Kg)	SB-1 (µg/Kg)		SB-2 (µg/Kg)		SB-5 (µg/Kg)		SB-6 (µg/Kg)		SB-7 (µg/Kg)	
	Chloromethane	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Bromomethane	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Vinyl Chloride	200	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Chloroethane	1900	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Methylene Chloride	100	370	U	3.4	U	3.0	U	0.7	J	0.8	J
	Trichlorofluoromethane	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	1,1-Dichloroethene	400	250	U	2.2	U	2.0	U	2.1	U	2.0	U
	1,1-Dichloroethane	200	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	trans-1,2-Dichloroethene	300	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	cis-1,2-Dichloroethene	NA	620	U	0.7	J	5.1	U	5.2	U	5.1	U
	Chloroform	300	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	1,2-Dichloroethane	100	250	U	2.2	U	2.0	U	2.1	U	2.0	U
	1,1,1-Trichloroethane	800	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Carbon Tetrachloride	600	250	U	2.2	U	2.0	U	2.1	U	2.0	U
	Bromodichloromethane	NA	120	U	1.1	U	1.0	U	1.0	U	1.0	U
	1,2-Dichloropropane	NA	120	U	1.1	U	1.0	U	1.0	U	1.0	U
(1)	cis-1,3-Dichloropropene	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Trichloroethene	700	450		0.7	J	1.0	U	1.0	U	1.0	U
	Dibromochloromethane	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	1,1,2-Trichloroethane	NA	370	U	3.4	U	3.0	U	3.1	U	3.0	U
	Benzene	60	120	U	1.1	U	1.0	U	1.0	U	1.0	U
(1)	trans-1,3-Dichloropropene	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	2-ChloroethylVinylEther	NA	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Bromoform	NA	490	U	4.5	U	4.1	U	4.2	U	4.0	U
	Tetrachloroethene	1400	**13,000**		10		58		180		75	
	1,1,2,2-Tetrachloroethane	600	120	U	1.1	U	1.0	U	1.0	U	1.0	U
	Toluene	1500	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Chlorobenzene	1700	620	U	5.6	U	5.1	U	5.2	U	5.1	U
	Ethylbenzene	5500	490	U	4.5	U	4.1	U	4.2	U	4.0	U
	Xylene(Total)	1200	620	U	5.6	U	5.1	U	5.2	U	5.1	U

(1) - Values listed reflect the combined standards for the cis and trans isomers of 1,3-Dichloropropene.

U - The compound was not detected at the indicated concentration

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

µg/Kg – micrograms per kilogram or parts per billion (ppb)

BOLD – Concentration detected above NYSDEC Recommended Soil Cleanup Objective

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A review of the analytical results revealed that tetrachloroethene was detected in the soil sample collected from SB-1 above the NYSDEC Recommended Soil Cleanup Objective Criteria. Tetrachloroethene was also detected at concentrations below the NYSDEC Recommended Soil Cleanup Objective Criteria in the soil samples collected from SB-2, SB-5, SB-6, and SB-7.

Trichloroethene was detected in SB-1 and SB-2 at concentrations below the NYSDEC Recommended Soil Cleanup Objective Criteria. Methylene Chloride was detected in SB-6 and SB-7 at concentrations below the NYSDEC Recommended Soil Cleanup Objective Criteria. Cis-1,2-Dichloroethene was detected in SB-2 at a concentration below the NYSDEC Recommended Soil Cleanup Objective Criteria.

See Appendix D for a complete copy of the laboratory prepared analytical results.

6.1.2.3 Conclusion

Based on a review of the analytical results, a release of dry cleaning solvents appears to have impacted soils behind the dry cleaning tenant space. Property Solutions recommends that the release be reported to the NYSDEC. All reports of releases must be made to the NYSDEC hotline (800) 457-7362.

6.1.3 Ground Water

6.1.3.1 Description

Upon completion of the soil borings, a metal piezometer was installed into the boring to allow for groundwater sample collection. Groundwater was encountered at 14 feet bgs in SB-1 and at approximately 13.5 feet bgs in SB-2. No sheens or unusual odors were observed in the groundwater.

6.1.3.2 Results

The groundwater samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 624. The following table lists the analytical results as reported by STL-Envirotech:

Sample ID		New York Groundwater Standard (µg/L)	GW-1 (µg/L)		GW-2 (µg/L)	
	Chloromethane	NA	0.4	U	2.2	U
	Bromomethane	5	0.3	U	1.6	U
	Vinyl Chloride	2	0.3	U	1.4	U
	Chloroethane	5	0.5	U	2.4	U
	Methylene Chloride	5	0.9	U	4.4	U
	Trichlorofluoromethane	5	0.4	U	2.0	U
	1,1-Dichloroethene	5	0.3	U	1.4	U
	1,1-Dichloroethane	5	0.3	U	1.4	U
	trans-1,2-Dichloroethene	5	0.2	U	1.2	U
	cis-1,2-Dichloroethene	5	3.8		77	
	Chloroform	7	0.2	U	2.2	
	1,2-Dichloroethane	0.6	0.4	U	1.8	U
	1,1,1-Trichloroethane	5	0.3	U	3.0	
	Carbon Tetrachloride	5	0.3	U	1.5	U
	Bromodichloromethane	50	0.2	U	1.0	U
	1,2-Dichloropropane	1	0.4	U	1.8	U
(1)	cis-1,3-Dichloropropene	5	0.3	U	1.5	U
	Trichloroethene	5	1.3		47	
	Dibromochloromethane	50	0.3	U	1.4	U
	1,1,2-Trichloroethane	5	0.3	U	1.4	U
	Benzene	1	0.3	U	1.4	U
(1)	trans-1,3-Dichloropropene	5	0.3	U	1.4	U
	2-Chloroethyl Vinyl Ether	NA	0.5	U	2.4	U
	Bromoform	50	0.3	U	1.4	U
	Tetrachloroethene	5	4.3		690	
	1,1,2,2-Tetrachloroethane	5	0.3	U	1.6	U
	Toluene	5	0.2	U	1.2	U
	Chlorobenzene	5	0.2	U	1.0	U
	Ethylbenzene	5	0.2	U	0.8	U
	Xylene(Total)	5	0.2	U	0.9	U

U - The compound was not detected at the indicated concentration
µg/L – micrograms per liter or parts per billion (ppb)

Review of the analytical results revealed that tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene were detected at concentrations in GW-2 above the New York State Ambient Groundwater Quality Standard. Concentrations of 1,1,1-trichloroethane and chloroform were detected in GW-2 below the New York State Ambient Groundwater Quality Standard. Tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene were detected at concentrations below the New York State Ambient Groundwater Quality Standard in GW-1.

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6.1.3.3 Conclusion

Based on a review of the analytical results, a release of dry cleaning solvents appears to have impacted groundwater behind the dry cleaning tenant space. Property Solutions recommends that the release be reported to the NYSDEC. All reports of releases must be made to the NYSDEC hotline (800) 457-7362.

6.2 2,000-Gallon Septic Tank

6.2.1 Scope Summary

Review of the previous environmental report prepared by IVI revealed that sanitary waste was formerly disposed of through an on-property septic system. Attached to the previous report prepared by Northeastern Environmental Technologies Corporation (NETC), was a plan depicting the location of the former septic system near the southwest corner of the subject property. This plan indicated that the septic system consisted of an existing 2,000-gallon septic tank, a "new" septic tank, and a leach field. The plan indicated that the sanitary waste line from the area of the dry cleaning tenant space discharged to the 2,000-gallon septic tank, which in turn discharged to the leach field.

Property Solutions coordinated Aquifer Drilling and Testing, Inc. (ADT) of Troy, New York to advance two soil borings (SB-3 and SB-4) adjacent to the 2,000-gallon septic tank. The borings were advanced utilizing Geoprobe hydraulic push techniques to a maximum depth of 16 feet below ground surface (bgs). Continuous soil collection took place along with the advancement of the soil borings. The samples were logged and screened with a photoionization detector (PID). The PID readings were 0.0 parts per million (ppm) in both borings.

Soil boring SB-3 was converted to a temporary well utilizing a metal piezometer. One grab groundwater sample (GW-3) was collected from the temporary well.

6.2.2 Soils

6.2.2.1 Description

Upon penetration of the 2-3 inches of asphalt pavement for borings SB-3 and SB-4, a 2 inch layer of gravel was encountered. Soils encountered from approximately 6 inches below ground surface (bgs) to 12 feet bgs consisted of orange fine sand. Groundwater was encountered at 11.5 feet bgs in both SB-3 and SB-4. PID readings of the soils collected from SB-3 and SB-4 were 0.0 ppm. Therefore, the soil samples collected from SB-3 and SB-4 were obtained from just above the water table.

A review of the analytical results revealed that no VOCs were detected in the soil samples collected from the vicinity of the septic tank above the NYSDEC Recommended Soil Cleanup Objective Criteria. Tetrachloroethene was detected at concentrations below the NYSDEC Recommended Soil Cleanup Objective Criteria in the soil samples collected from SB-3 and SB-4.

See Appendix D for a complete copy of the laboratory prepared analytical results.

6.2.2.3 Conclusion

Based on a review of the analytical results for the soil samples, low levels of tetrachloroethene were detected in the soil samples collected from the vicinity of the 2,000-gallon septic tank.

6.2.3 Ground Water

6.2.3.1 Description

Upon completion of the soil borings, a metal piezometer was installed into boring SB-3 to allow for groundwater sample collection. Groundwater was encountered at 11.5 feet bgs in SB-3. No sheens or unusual odors were observed in the groundwater. SB-4 was not converted to a temporary well.

6.2.3.2 Results

The groundwater samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 624. The following table lists the analytical results as reported by STL-Envirotech:

Sample ID	New York Groundwater Standard (µg/L)	GW-1 (µg/L)
Chloromethane	NA	0.4 U
Bromomethane	5	0.3 U
Vinyl Chloride	2	0.3 U
Chloroethane	5	0.5 U
Methylene Chloride	5	0.9 U
Trichlorofluoromethane	5	0.4 U
1,1-Dichloroethene	5	0.3 U
1,1-Dichloroethane	5	0.3 U
trans-1,2-Dichloroethene	5	1.2
cis-1,2-Dichloroethene	5	**59**
Chloroform	7	0.6
1,2-Dichloroethane	0.6	0.4 U
1,1,1-Trichloroethane	5	0.3 U
Carbon Tetrachloride	5	0.3 U

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Sample ID		New York Groundwater Standard (µg/L)	GW-1 (µg/L)	
	Bromodichloromethane	50	0.2	U
	1,2-Dichloropropane	1	0.4	U
(1)	cis-1,3-Dichloropropene	5	0.3	U
	Trichloroethene	5	4.7	
	Dibromochloromethane	50	0.3	U
	1,1,2-Trichloroethane	5	0.3	U
	Benzene	1	0.3	U
(1)	trans-1,3-Dichloropropene	5	0.3	U
	2-Chloroethyl Vinyl Ether	NA	0.5	U
	Bromoform	50	0.3	U
	Tetrachloroethene	5	**57**	
	1,1,2,2-Tetrachloroethane	5	0.3	U
	Toluene	5	0.2	U
	Chlorobenzene	5	0.2	U
	Ethylbenzene	5	0.2	U
	Xylene(Total)	5	0.2	U

U - The compound was not detected at the indicated concentration
µg/L – micrograms per liter or parts per billion (ppb)

Review of the analytical results revealed that tetrachloroethene and cis-1,2-dichloroethene were detected at concentrations in GW-3 above the New York State Ambient Groundwater Quality Standard. Concentrations of trans-1,2-dichloroethene, chloroform, trichloroethene were detected in GW-3 below the New York State Ambient Groundwater Quality Standard.

6.1.3.3 Conclusion

Based on a review of the analytical results, a release of dry cleaning solvents appears to have impacted groundwater in the vicinity of the 2,000-gallon septic tank. Property Solutions recommends that the release be reported to the NYSDEC. All reports of releases must be made to the NYSDEC hotline (800) 457-7362.

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7.0 CONCLUSIONS AND RECOMMENDATIONS

Property Solutions Incorporated (Property Solutions) conducted a Limited Phase II Subsurface Investigation of Guilderland Dry Cleaners within Star Plaza building located at 2050 Western Avenue in Guilderland, Albany County, New York 12084 (subject property) at the request of Segal & Wegner of Albany, New York. The Limited Phase II Subsurface Investigation was conducted to determine whether the dry cleaning operations impacted the environmental condition of the subject property.

Property Solutions coordinated Aquifer Drilling and Testing, Inc. (ADT) of Troy, New York to advance a total of four soil borings at the subject property. ADT advanced two soil borings (SB-1 and SB-2) along the south side of the subject building directly behind the concrete loading dock adjacent to the dry cleaning tenant space and two soil borings (SB-3 and SB-4) adjacent to the 2,000-gallon septic tank. Three of the soil borings (SB-1, SB-2, and SB-3) were converted to temporary wells utilizing metal piezometers. One grab groundwater sample was collected from each of the temporary wells (GW-1, GW-2, and GW-3) for a total of three ground water samples. Property Solutions also advanced three interior hand auger soil borings (SB-5, SB-6, and SB-7) in the vicinity of the dry cleaning machines within the subject building. The soil and groundwater samples were analyzed for Priority Pollutants Volatile Organic Compounds+15 (VOCs) by EPA method 8260B and 624, respectively.

Property Solutions compared the analytical results to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994 and the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998. The following tables indicate the contaminants detected in soil and groundwater with the corresponding cleanup concentrations:

SOIL

Sample Number	Contaminant	Contaminant concentration in parts per billion (ppb)	NYSDEC Recommended Soil Cleanup Objective (ppb)
SB-1	Trichloroethene	450	700
SB-1	Tetrachloroethene	**13,000**	1,400
SB-2	Cis-1,2 Dichloroethene	0.7J	NA
SB-2	Trichloroethene	0.7J	700
SB-2	Tetrachloroethene	10	1,400
SB-3	Tetrachloroethene	5.1	1,400
SB-4	Tetrachloroethene	17	1,400
SB-5	Tetrachloroethene	58	1,400
SB-6	Methylene chloride	0.7J	100
SB-6	Tetrachloroethene	180	1,400
SB-7	Methylene chloride	0.8J	100
	Tetrachloroethene	75	1,400

J- The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

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BOLD- Concentration above NYSDEC Recommended Soil Cleanup Objective

GROUNDWATER

Sample Number	Contaminant	Contaminant concentration in parts per billion (ppb)	NYSDEC Groundwater Standards (ppb)
GW-1	Cis-1,2 Dichloroethene	3.8	5
	Trichloroethene	1.3	5
	Tetrachloroethene	4.3	5
GW-2	Cis-1,2 Dichloroethene	77	5
	Chloroform	2.2	7
	1,1,t Trichloroethane	3.0	5
	Trichloroethene	**47**	5
	Tetrachloroethene	**690**	5
GW-3	Trans-1,2 Dichloroethene	1.2	5
	Cis-1,2 Dichloroethene	**59**	5
	Chloroform	0.6	7
	Trichloroethene	4.7	5
	Tetrachloroethene	**57**	5

BOLD- Concentration above NYSDEC Groundwater Standards

As indicated in the above tables, tetrachloroethene was detected in SB-1 at a concentration above the NYSDEC Recommended Soil Cleanup Objective and in GW-2 and GW-3 at a concentration above NYSDEC Groundwater Standards. In addition, trichloroethene was detected in GW-2 at a concentration above NYSDEC Groundwater Standards.

Based on a review of the analytical results, a release of dry cleaning solvents appears to have impacted soil and groundwater in the vicinity of the dry cleaning tenant space and groundwater in the vicinity of the 2,000-gallon septic tank. Property Solutions recommends that the release be reported to the NYSDEC. All reports of releases must be made to the NYSDEC hotline (800) 457-7362. The release is expected to be from Guilderland Dry Cleaners, 2050 Western Avenue, Guilderland, New York 12084, Pam and Jim Shannon (518) 456-3321, RCRA Identification number NYD981141393.

8.0 REFERENCES

1. United States Geological Survey's 7.5-minute topographic quadrangle map of Ramsey, New York - New York.
2. United States Department of Agriculture, Soil Conservation Service's Soil Survey of Albany County, New York (1995).
3. Bedrock Geologic Map of Northern New York (1996) by the United States Geologic Survey.
4. Principal Aquifers in New York (1969) published by the United States Geological Survey.

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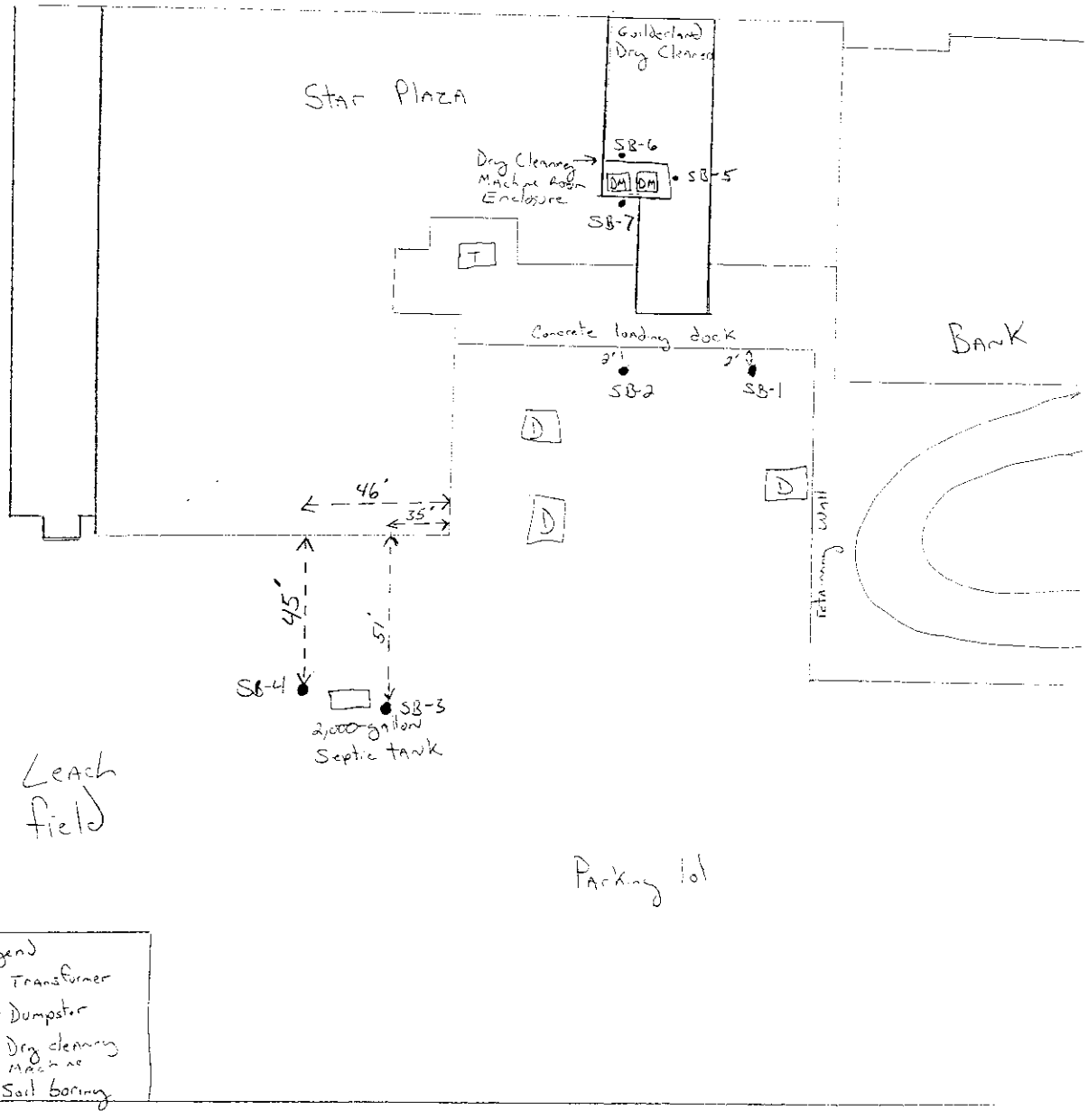
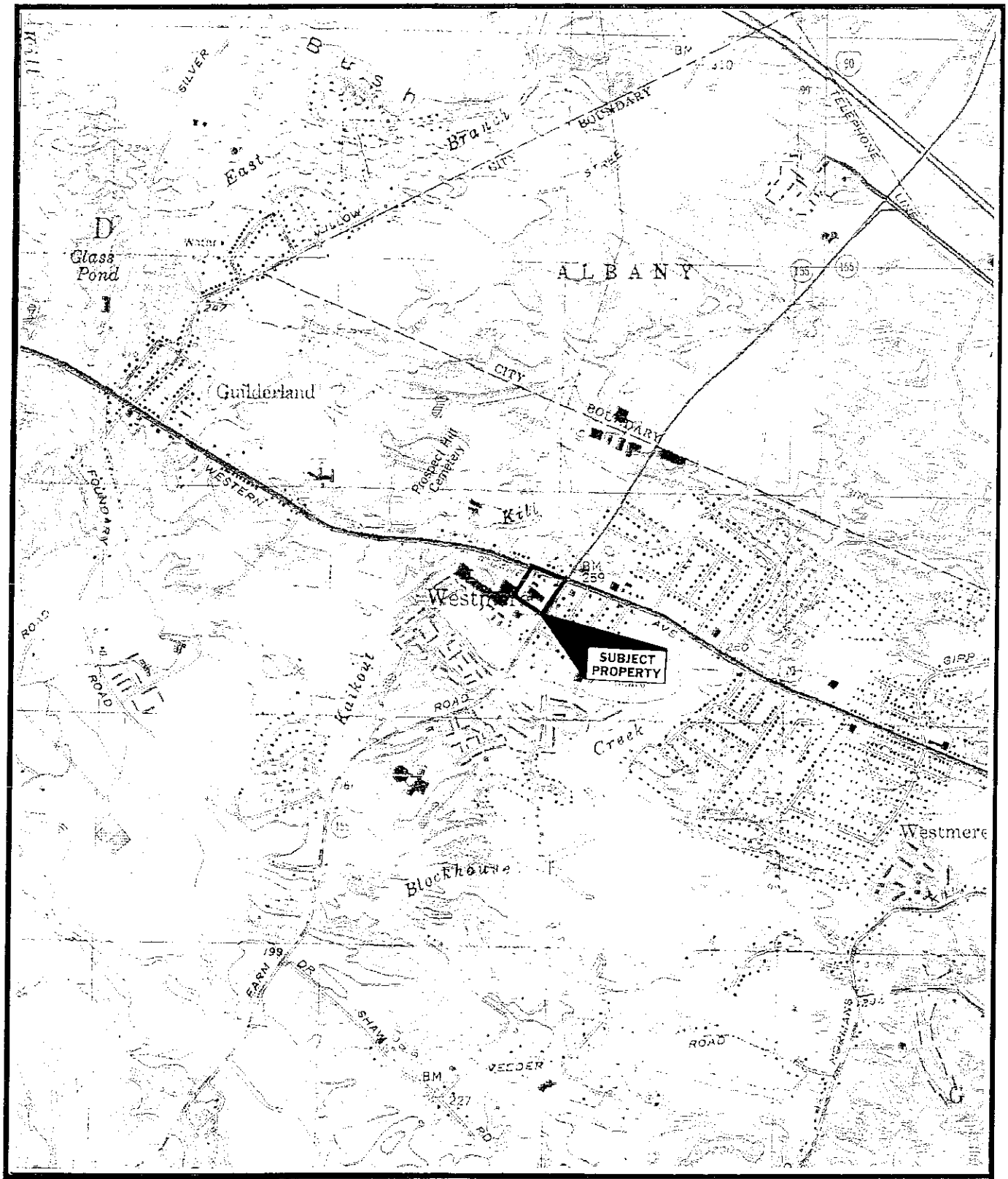
APPENDIX A
MAPS



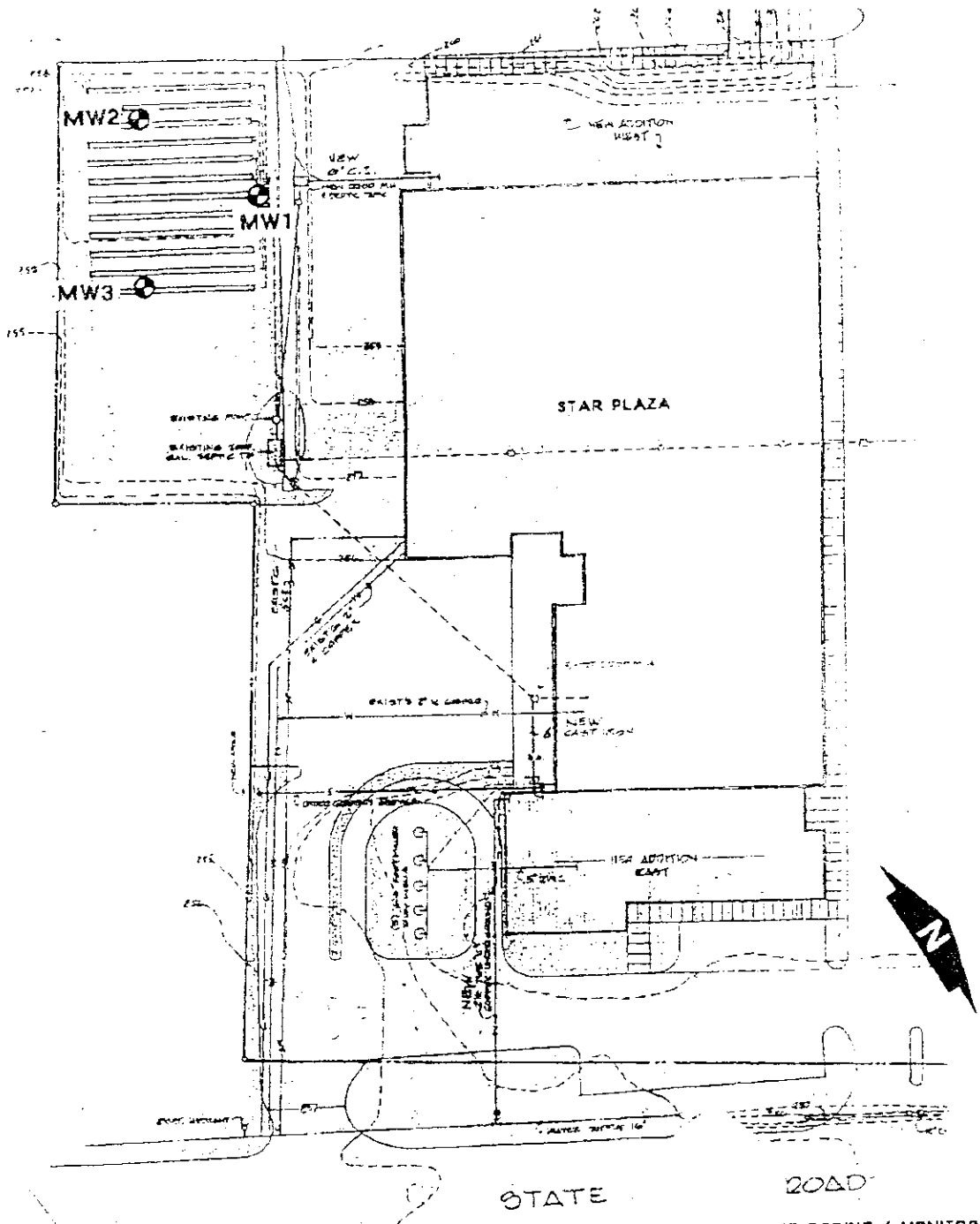
SOIL BORING LOCATION DIAGRAM

Property Solutions Inc.	Star Plaza 2050 Western Avenue Guilderland, New York	Project No.: 20021193	N



US DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7.5" TOPOGRAPHICAL QUADRANGLE

Property Solutions Inc.	Star Plaza 2050 Western Avenue Guilderland, New York	Project No.: 20021193	N
Topo Quad Name: Voorheesville, NY		Property Boundaries are Approximate	



NOTE: LOCATION OF TEST BORING / MONITORING WELLS ARE APPROXIMATE.

MW1 TEST BORING / MONITORING WELL

Figure #3	TEST BORING / MONITORING WELL LOCATION MAP
Title:	LEACH FIELD AREA #2
Project Name:	P25A STAR PLAZA 2050 WESTERN AVE. GUILDERLAND, N.Y. SITE
Project Number:	98.0100134
Scale:	1.0 INCH = 60 FEET

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APPENDIX B
PROPERTY PHOTOGRAPHS

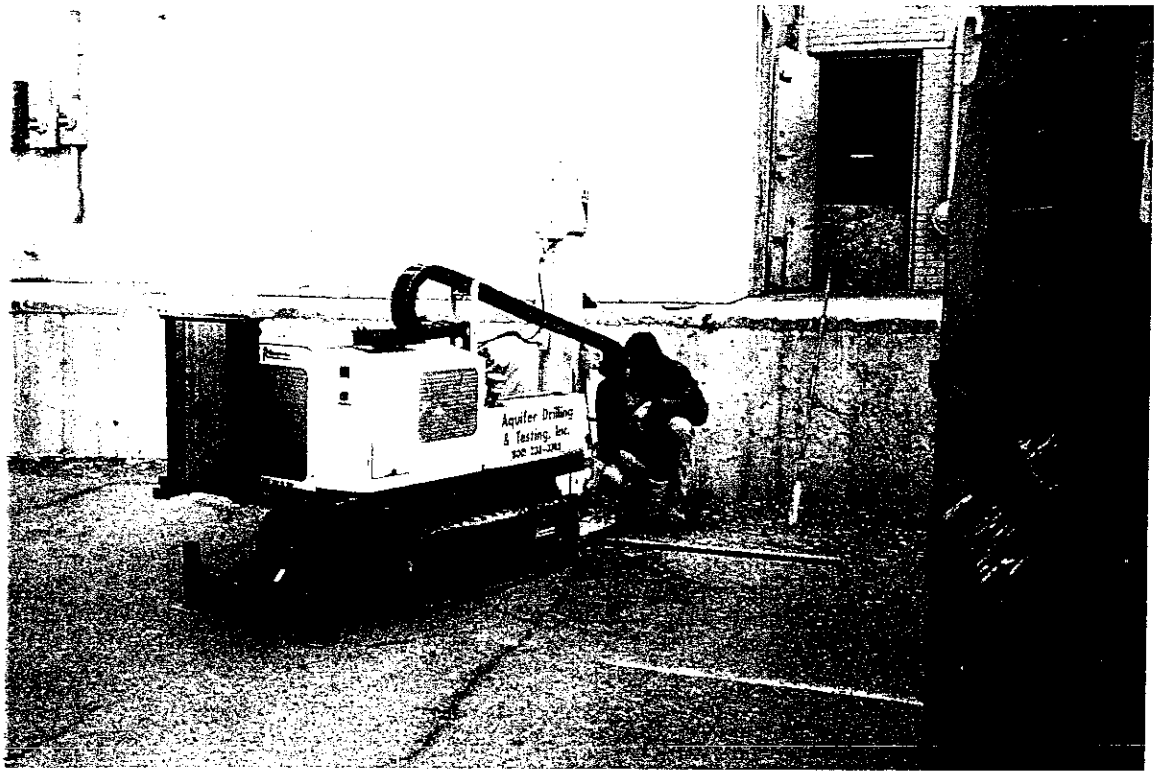

PHOTO 1. View of track-mounted geoprobe machine installing SB-1.

PHOTO 2. Location of borings installed near the 2,000-gallon septic tank.

PHOTO 3. Location of SB-5 to the east of the dry cleaning machine room enclosure.

PHOTO 4. Location of SB-6 to the north of the dry cleaning room enclosure.

PHOTO 5. SB-7 installed in vacant tenant space adjacent to the west of the Guilderland Dry Cleaners tenant space.

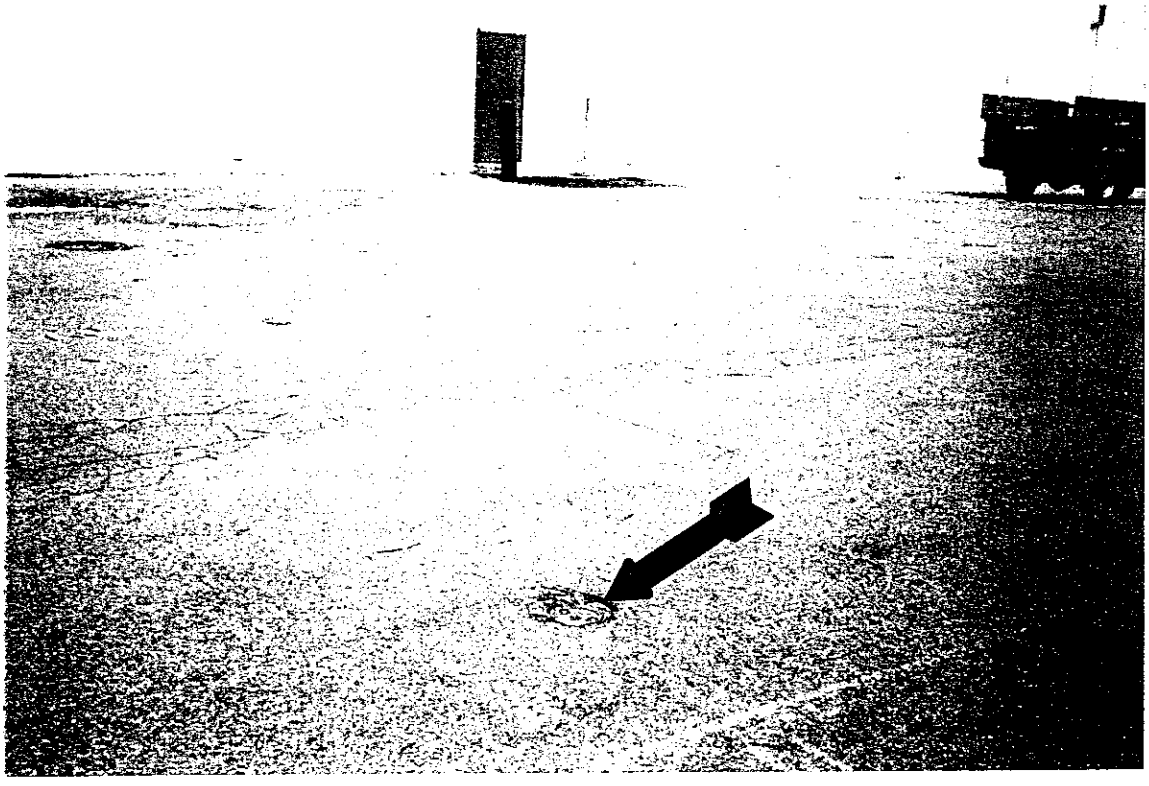

PHOTO 6. Groundwater monitoring well installed in the area of the leach field during a previous investigation.

APPENDIX C
BORING LOGS

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-1
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: 14'
Depth after drilling: 14'
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: ADT
Drilling Method: Geoprobe
Drilling Equipment: Geoprobe

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	2" Asphalt and 2" gravel fill-dry			No staining
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors
5	Orange fine sand	0.3	100%	No odors
6	Orange fine sand	0.0	100%	No odors
7	Orange fine sand	0.0	100%	No odors
8	Orange fine sand	0.0	100%	No odors
9	Orange fine sand	0.1	100%	No odors
10	Orange fine sand	0.0	100%	No odors
11	Gray fine sand with silt	0.0	100%	No odors
12	Gray fine sand with silt	0.0	100%	No odors
13	Gray fine sand with silt	0.4	100%	No odors Soil sample collected
14	Gray fine sand with silt	0.0	100%	No odors Groundwater encountered
15	Gray fine sand with silt	0.0	100%	No odors
16	Gray fine sand with silt	0.0	100%	No odors

End of boring at 16'

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-2
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: 13.5'
Depth after drilling: 13.5'
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: ADT
Drilling Method: Geoprobe
Drilling Equipment: Geoprobe

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	2" Asphalt and 2" gravel fill-dry			No staining
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors
5	Orange fine sand	0.0	100%	No odors
6	Orange fine sand	0.0	100%	No odors
7	Orange fine sand	0.0	100%	No odors
8	Orange fine sand	0.0	100%	No odors
9	Orange fine sand	0.0	100%	No odors
10	Orange fine sand	0.0	100%	No odors
11	Orange fine sand	0.0	100%	No odors
12	Orange fine sand	0.0	100%	No odors
13	Gray fine sand with silt	0.0	100%	No odors Soil sample collected
14	Gray fine sand with silt	0.0	100%	No odors Groundwater encountered
15	Gray fine sand with silt	0.0	100%	No odors
16	Gray fine sand with silt	0.0	100%	No odors

End of boring at 16'

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-3
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: 11.5'
Depth after drilling: 11.5'
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: ADT
Drilling Method: Geoprobe
Drilling Equipment: Geoprobe

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	2" Asphalt and 2" gravel fill-dry			No staining
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors
5	Orange fine sand	0.0	100%	No odors
6	Orange fine sand	0.0	100%	No odors
7	Orange fine sand	0.0	100%	No odors
8	Orange fine sand	0.0	100%	No odors
9	Orange fine sand	0.0	100%	No odors
10	Orange fine sand	0.0	100%	No odors Soil sample collected
11	Orange fine sand	0.0	100%	No odors Groundwater encountered
12	Orange fine sand	0.0	100%	No odors
13				
14				
15				
16				

End of boring at 12'

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-4
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: ne
Depth after drilling: ne
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: ADT
Drilling Method: Geoprobe
Drilling Equipment: Geoprobe

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	2" Asphalt and 2" gravel fill-dry			No staining
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors
5	Orange fine sand	0.0	100%	No odors
6	Orange fine sand	0.0	100%	No odors
7	Orange fine sand	0.0	100%	No odors
8	Orange fine sand	0.0	100%	No odors
9	Orange fine sand	0.0	100%	No odors
10	Orange fine sand	0.0	100%	No odors Soil sample collected
11	Orange fine sand	0.0	100%	No odors Groundwater encountered
12	Orange fine sand	0.0	100%	No odors
13				
14				
15				
16				

End of boring at 12'

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-5
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: ne
Depth after drilling: ne
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: Tim Clackett
Drilling Method: Hand
Drilling Equipment: AMS kit

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	6" Concrete slab floor			
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors Soil sample collected
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

End of boring at 4'
Groundwater not encountered
No soil sample collected for laboratory analysis

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-6
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: ne
Depth after drilling: ne
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: Tim Clackett
Drilling Method: Hand
Drilling Equipment: AMS kit

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	5" Concrete slab floor			
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors Soil sample collected
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

End of boring at 4'
Groundwater not encountered
*Soil sample collected for laboratory analysis

SOIL BORING LOG

PROPERTY SOLUTIONS INC.
31A Northfield Avenue
Edison, New Jersey 08837
Ph # (732) 417-0999
Fax # (732) 417-0888

SOIL BORING NO.: B-7
PROJECT NO.: 20021193
CLIENT: Segal & Wegner
LOCATION: Star Plaza
Guilderland, New York

GROUNDWATER ELEVATION DATA
Depth at time of drilling: ne
Depth after drilling: ne
ne-not encountered
bgs-below ground surface
ppm-parts per million
na-not available

Date Started: 5/21/2002
Completion Date: 5/21/2002
Geologist: Tim Clackett
Driller: Tim Clackett
Drilling Method: Hand
Drilling Equipment: AMS kit

Depth in feet	LITHOLOGY	PID (ppm)	Recovery	Comments
0	6" Concrete slab floor			
1	Orange fine sand	0.0	100%	No odors
2	Orange fine sand	0.0	100%	No odors
3	Orange fine sand	0.0	100%	No odors
4	Orange fine sand	0.0	100%	No odors Soil sample collected
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

End of boring at 4'
Groundwater not encountered

APPENDIX D
ANALYTICAL DATA & CHAINS OF CUSTODY

06/10/2002

Property Solutions
31A Northfield Ave
Edison, NJ 08837

Attention: Mr Tim Clackett

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

Laboratory Results
Job No. W653 - Star Plaza

Dear Mr Clackett:

Enclosed are the results you requested for the following sample(s) received at our laboratory on May 22, 2002.

Lab No.	Client ID	Analysis Required
351571	SB-1	PP VOA+15
351572	SB-2	PP VOA+15
351573	SB-3	PP VOA+15
351574	SB-4	PP VOA+15
351575	SB-5	PP VOA+15
351576	SB-6	PP VOA+15
351577	SB-7	PP VOA+15
351578	GW-1	PP VOA+15
351579	GW-2	PP VOA+15

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

Laboratory Results
Job No. W653 - Star Plaza (cont'd)

Lab No.	Client ID	Analysis Required
351580	GW-3	PP VOA+15

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robin Dean, at (732) 549-3900.

Very Truly Yours,

Michael J. Urban
Laboratory Manager

ACCREDITED IN ACCORDANCE WITH THE nelac
STL Edison is a part of Severn Trent Laboratories, Inc.

Analytical Results Summary

SEVERN TRENT SERVICES

Client ID: SB-1
Site: StarPlaza,Golderlan

Lab Sample No: 351571
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c19259.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	370
Trichlorofluoromethane	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	450	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	620
Bromoform	ND	490
Tetrachloroethene	13000	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	490
Xylene (Total)	ND	620

SEVERN TRENT SERVICES

Client ID: SB-1
Site: StarPlaza,Golderlan

Lab Sample No: 351571
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c19259.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Client ID: SB-2
Site: StarPlaza,Golderlan

Lab Sample No: 351572
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28086.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.6
Bromomethane	ND	5.6
Vinyl Chloride	ND	5.6
Chloroethane	ND	5.6
Methylene Chloride	ND	3.4
Trichlorofluoromethane	ND	5.6
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.6
trans-1,2-Dichloroethene	ND	5.6
cis-1,2-Dichloroethene	0.7J	5.6
Chloroform	ND	5.6
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.6
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.6
Trichloroethene	0.7J	1.1
Dibromochloromethane	ND	5.6
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.6
2-Chloroethyl Vinyl Ether	ND	5.6
Bromoform	ND	4.5
Tetrachloroethene	10	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.6
Chlorobenzene	ND	5.6
Ethylbenzene	ND	4.5
Xylene (Total)	ND	5.6

Client ID: SB-2
Site: StarPlaza,Golderlan

Lab Sample No: 351572
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28086.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 10.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.76	14	
2.	Unknown Siloxane	15.23	6.3	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 20

SEVERN TRENT SERVICES

Client ID: SB-3
Site: StarPlaza,Golderlan

Lab Sample No: 351573
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28068.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.3
Trichlorofluoromethane	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
2-Chloroethyl Vinyl Ether	ND	5.4
Bromoform	ND	4.3
Tetrachloroethene	5.1	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Xylene (Total)	ND	5.4

SEVERN TRENT SERVICES

Client ID: SB-3
Site: StarPlaza,Golderlan

Lab Sample No: 351573
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28068.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 8.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.75	5.4	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 5.4

SEVERN TRENT SERVICES

Client ID: SB-4
Site: StarPlaza,Golderlan

Lab Sample No: 351574
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28069.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.2
Bromomethane	ND	6.2
Vinyl Chloride	ND	6.2
Chloroethane	ND	6.2
Methylene Chloride	ND	3.7
Trichlorofluoromethane	ND	6.2
1,1-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	6.2
trans-1,2-Dichloroethene	ND	6.2
cis-1,2-Dichloroethene	ND	6.2
Chloroform	ND	6.2
1,2-Dichloroethane	ND	2.5
1,1,1-Trichloroethane	ND	6.2
Carbon Tetrachloride	ND	2.5
Bromodichloromethane	ND	1.2
1,2 Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.2
1,1,2-Trichloroethane	ND	3.7
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	6.2
2-Chloroethyl Vinyl Ether	ND	6.2
Bromoform	ND	4.9
Tetrachloroethene	17	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	6.2
Chlorobenzene	ND	6.2
Ethylbenzene	ND	4.9
Xylene (Total)	ND	6.2

SEVERN TRENT SERVICES

Client ID: SB-4
Site: StarPlaza,Golderlan

Lab Sample No: 351574
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28069.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 21.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

SEVERN TRENT SERVICES

Client ID: SB-5
Site: StarPlaza,Golderlan

Lab Sample No: 351575
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28070.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	ND	3.0
Trichlorofluoromethane	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	ND	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.1
2-Chloroethyl Vinyl Ether	ND	5.1
Bromoform	ND	4.1
Tetrachloroethene	58	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	ND	4.1
Xylene (Total)	ND	5.1

SEVERN TRENT SERVICES

Client ID: SB-5
Site: StarPlaza,Golderlan

Lab Sample No: 351575
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28070.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 4.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

SEVERN TRENT SERVICES

Client ID: SB-6
Site: StarPlaza,Golderlan

Lab Sample No: 351576
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28071.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 3

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.2
Bromomethane	ND	5.2
Vinyl Chloride	ND	5.2
Chloroethane	ND	5.2
Methylene Chloride	0.7JB	3.1
Trichlorofluoromethane	ND	5.2
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.2
trans-1,2-Dichloroethene	ND	5.2
cis-1,2-Dichloroethene	ND	5.2
Chloroform	ND	5.2
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.2
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.2
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.2
1,1,2-Trichloroethane	ND	3.1
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.2
2-Chloroethyl Vinyl Ether	ND	5.2
Bromoform	ND	4.2
Tetrachloroethene	180	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.2
Chlorobenzene	ND	5.2
Ethylbenzene	ND	4.2
Xylene (Total)	ND	5.2

SEVERN TRENT SERVICES

Client ID: SB-6
Site: StarPlaza,Golderlan

Lab Sample No: 351576
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28071.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 3.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.74	6.3	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 6.3

SEVERN TRENT SERVICES

Client ID: SB-7
Site: StarPlaza,Golderlan

Lab Sample No: 351577
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28072.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 3

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	0.8JB	3.0
Trichlorofluoromethane	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	ND	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.1
2-Chloroethyl Vinyl Ether	ND	5.1
Bromoform	ND	4.0
Tetrachloroethene	75	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.1

SEVERN TRENT SERVICES

Client ID: SB-7
Site: StarPlaza,Golderlan

Lab Sample No: 351577
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28072.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 2.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
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TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: GW-1
Site: StarPlaza,Golderlan

Lab Sample No: 351578
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35181.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.5
Methylene Chloride	ND	0.9
Trichlorofluoromethane	ND	0.4
1,1-Dichloroethene	ND	0.3
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	3.8	0.3
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.4
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.4
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	1.3	0.1
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	4.3	0.2
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.2

SEVERN TRENT SERVICES

Client ID: GW-1
Site: StarPlaza,Golderlan

Lab Sample No: 351578
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35181.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION: 0.0

SEVERN TRENT SERVICES

lient ID: GW-2
ite: StarPlaza,Golderlan

Lab Sample No: 351579
Lab Job No: W653

ate Sampled: 05/21/02
ate Received: 05/22/02
ate Analyzed: 05/25/02
C Column: DB624
nstrument ID: VOAMS6.i
ab File ID: f35218.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

arameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
hloromethane	ND	2.2
romomethane	ND	1.6
inyl Chloride	ND	1.4
hloroethane	ND	2.4
ethylene Chloride	ND	4.4
richlorofluoromethane	ND	2.0
,1-Dichloroethene	ND	1.4
,1-Dichloroethane	ND	1.4
rans-1,2-Dichloroethene	ND	1.2
is-1,2-Dichloroethene	77	1.6
hloroform	2.2	1.2
,2-Dichloroethane	ND	1.8
,1,1-Trichloroethane	3.0	1.3
arbon Tetrachloride	ND	1.5
romodichloromethane	ND	1.0
,2-Dichloropropane	ND	1.8
is-1,3-Dichloropropene	ND	1.5
richloroethene	47	0.6
ibromochloromethane	ND	1.4
,1,2-Trichloroethane	ND	1.4
enzene	ND	1.4
rans-1,3-Dichloropropene	ND	1.4
-Chloroethyl Vinyl Ether	ND	2.4
romoform	ND	1.4
etrachloroethene	690	1.2
1,1,2,2-Tetrachloroethane	ND	1.6
oluene	ND	1.2
hlorobenzene	ND	1.0
thylbenzene	ND	0.8
ylene (Total)	ND	0.9

SEVERN TRENT SERVICES

Client ID: GW-2
Site: StarPlaza,Golderlan

Lab Sample No: 351579
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35218.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
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TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: GW-3
Site: StarPlaza,Golderlan

Lab Sample No: 351580
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35183.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.5
Methylene Chloride	ND	0.9
Trichlorofluoromethane	ND	0.4
1,1-Dichloroethene	ND	0.3
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	1.2	0.2
cis-1,2-Dichloroethene	59	0.3
Chloroform	0.6	0.2
1,2-Dichloroethane	ND	0.4
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.4
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	4.7	0.1
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	57	0.2
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.2

SEVERN TRENT SERVICES

Client ID: GW-3
Site: StarPlaza,Golderlan

Lab Sample No: 351580
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35183.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

W653

General Information
Chain of Custody

22

W653

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice): Tim Clackett	Samplers Name (Printed): Tim Clackett	Site/Project Identification: Star Plaza, Goldeclay NY
Company: Property Solutions	P.O. #: 20021193	State (Location of site): NJ: ☐ NY: ☒ Other:
Address: 31A Northfield Avenue	Analysis Turnaround Time: Standard ☐	Regulatory Program: None
City: Edison State: NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☒ Other ☐	LAB USE ONLY Project No:
Phone: 732 417 0999 Fax: 732 417 0888		Job No: W653

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	PPL VOC + 15	8260 + 624	Sample Numbers
SB-1	5/21/02	10:30	Soil	1	X		351571
SB-2		12:00		1	X		351572
SB-3		1:30		1	X		351573
SB-4		1:45		1	X		351574
SB-5		2:45		1	X		351575
SB-6		3:00		1	X		351576
SB-7		3:50	↓	1	X		351577
GW-1		10:45	H_2O	3	X		351578
GW-2		12:15		3	X		351579
GW-3	↓	1:45	↓	3	X		351580

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: 1
6 = Other _____, 7 = Other _____ — Water: 2

Special Instructions: 5 Day TAT Fax results ASAP — Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1)	Property Solutions	5/22/02 18:00	1)	STL EDISON
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

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Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: W653 Site: Star Plaza

Client: Property Solutions

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
351578	5/21/2002	5/22/2002			5/24/2002	Boykin, Kenneth	8259
351579	5/21/2002	5/22/2002			5/25/2002	Riaz, Mahjabeen	8259
351580	5/21/2002	5/22/2002			5/24/2002	Boykin, Kenneth	8259

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
351571	5/21/2002	5/22/2002			5/25/2002	Tupayachi, Audberto	4026
351572	5/21/2002	5/22/2002			5/24/2002	Boykin, Kenneth	4034
351573	5/21/2002	5/22/2002			5/23/2002	Boykin, Kenneth	4034
351574	5/21/2002	5/22/2002			5/23/2002	Boykin, Kenneth	4034
351575	5/21/2002	5/22/2002			5/23/2002	Boykin, Kenneth	4034
351576	5/21/2002	5/22/2002			5/23/2002	Boykin, Kenneth	4034
351577	5/21/2002	5/22/2002			5/23/2002	Boykin, Kenneth	4034

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.

- Standard Methods for the Examination of Water and Wastewater, 17th Edition.

- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary

NON-CONFORMANCE SUMMARY

STL Edison Job Number: W653

Volatile Organics Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Page 1 of 2

Non-conformance Summary, Page 2 of 2
STL Edison Job Number: W653

Metals Analysis:

All data conforms with method requirements ____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Total Petroleum Hydrocarbons:

All data conforms with method requirements ____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

General Chemistry/Disposal Parameters:

All data conforms with method requirements ____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Signature of
Laboratory Manager: _____ Date: 6.7.12

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **SB-1**
Site: StarPlaza,Golderlan

Lab Sample No: **351571**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c19259.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20

VOLATILE ORGANICS - GC/MS
- METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	370
Trichlorofluoromethane	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	450	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	620
Bromoform	ND	490
Tetrachloroethene	13000	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	490
Xylene (Total)	ND	620

Client ID: **SB-1**
Site: StarPlaza,Golderlan

Lab Sample No: **351571**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c19259.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Data File: /chem/VOAMS3.i/8260HIGH_SP/05-15-02/25may02.b/c19259.d
Report Date: 30-May-2002 10:25

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

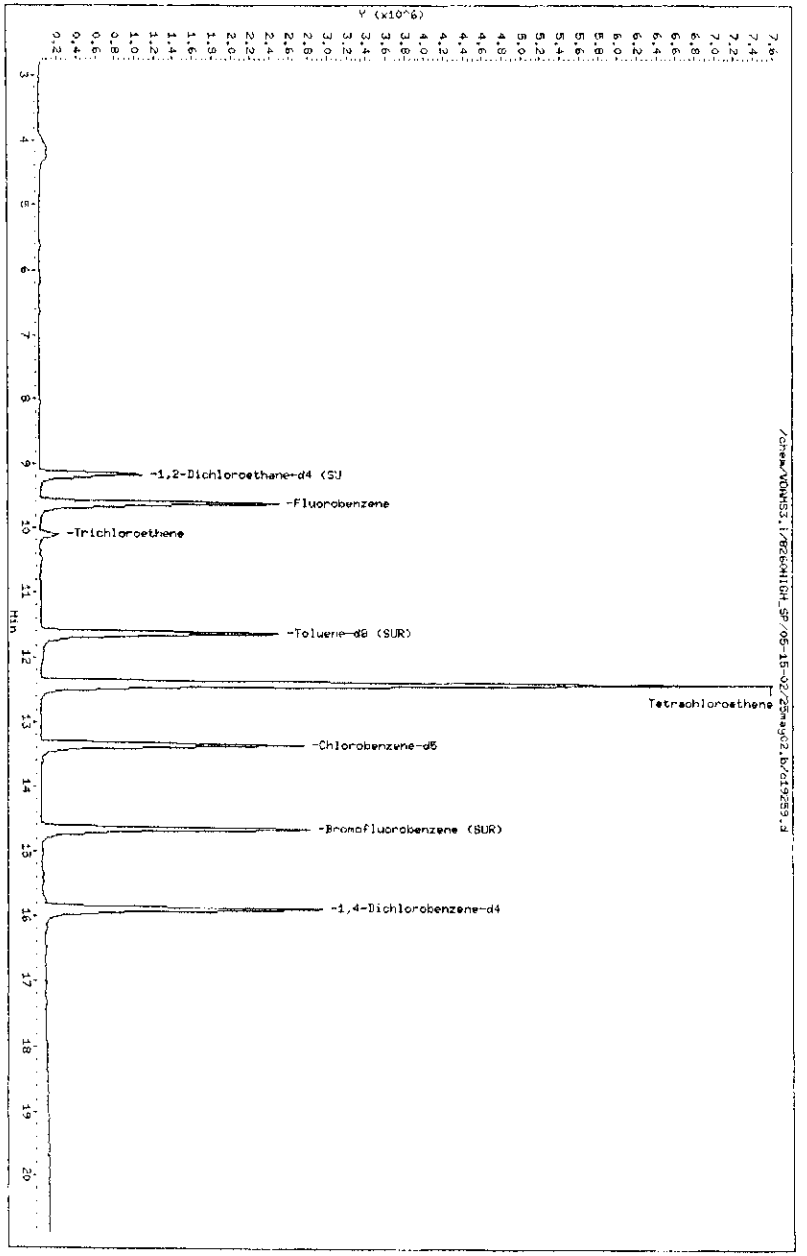
Data file : /chem/VOAMS3.i/8260HIGH_SP/05-15-02/25may02.b/c19259.d
Lab Smp Id: 351571 Client Smp ID: SB-1
Inj Date : 25-MAY-2002 16:45
Operator : VOAMS 4 Inst ID: VOAMS3.i
Smp Info : 351571;50;;5.05;10
Misc Info : W653;4026;;AT;
Comment :
Method : /chem/VOAMS3.i/8260HIGH_SP/05-15-02/25may02.b/8260H_02.m
Meth Date : 25-May-2002 10:41 audberto Quant Type: ISTD
Cal Date : 15-MAY-2002 11:25 Cal File: c18907.d
Als bottle: 8
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	50.00000	Dilution Factor
Vt	10.00000	Volume of final extract (mL)
Ws	5.05000	Weight of sample extracted (g)
M	19.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.169	9.169	(0.954)	1780355	43.4138	5400
* 19 Fluorobenzene	96	9.615	9.615	(1.000)	5096496	50.0000	
25 Trichloroethene	95	10.104	10.105	(1.051)	160782	3.64812	450
$ 37 Toluene-d8 (SUR)	98	11.615	11.615	(0.871)	3669106	43.8953	5400
55 Tetrachloroethene	166	12.392	12.392	(0.929)	5462958	107.029	13000
* 32 Chlorobenzene-d5	117	13.341	13.342	(1.000)	3712750	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.636	14.637	(0.921)	1924153	44.0703	5400
* 91 1,4-Dichlorobenzene-d4	152	15.888	15.888	(1.000)	2033477	50.0000	



Data File: /chem/VOAHS3.i/8260HIGH_SP/05-15-02/25may02.b/ci9259.d

Date : 25-MAY-2002 16:45

Client ID: SB-1

Instrument: VOAHS3.i

Sample Info: 351571;50;;5.05;10

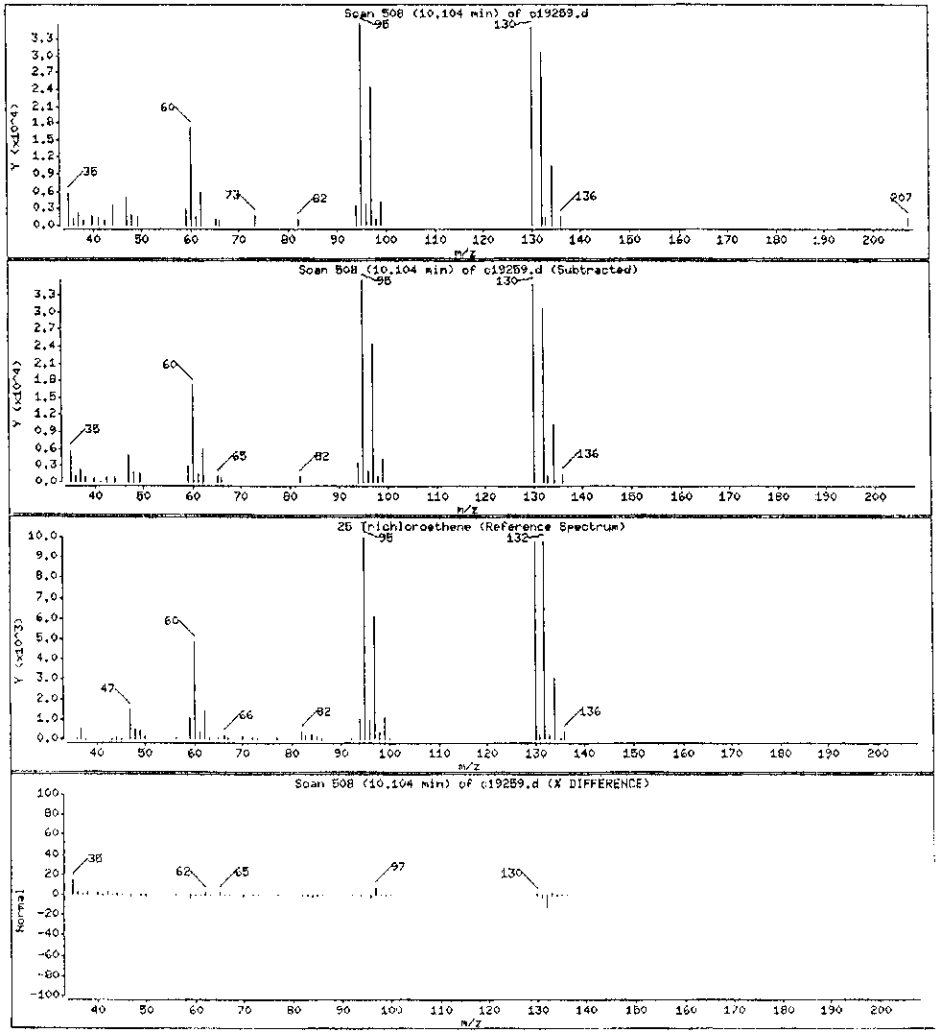
Operator: VOAHS 4

Column phase: DB624

Column diameter: 0.53

25 Trichloroethene

Concentration: 480 ug/Kg



Data File: /chem/VOAHS3.i/8260HIGH_SP/05-15-02/25may02.b/ci9259.d

Date : 25-MAY-2002 16:45

Client ID: SB-1

Instrument: VOAHS3.i

Sample Info: 351571;50;;5.05;10

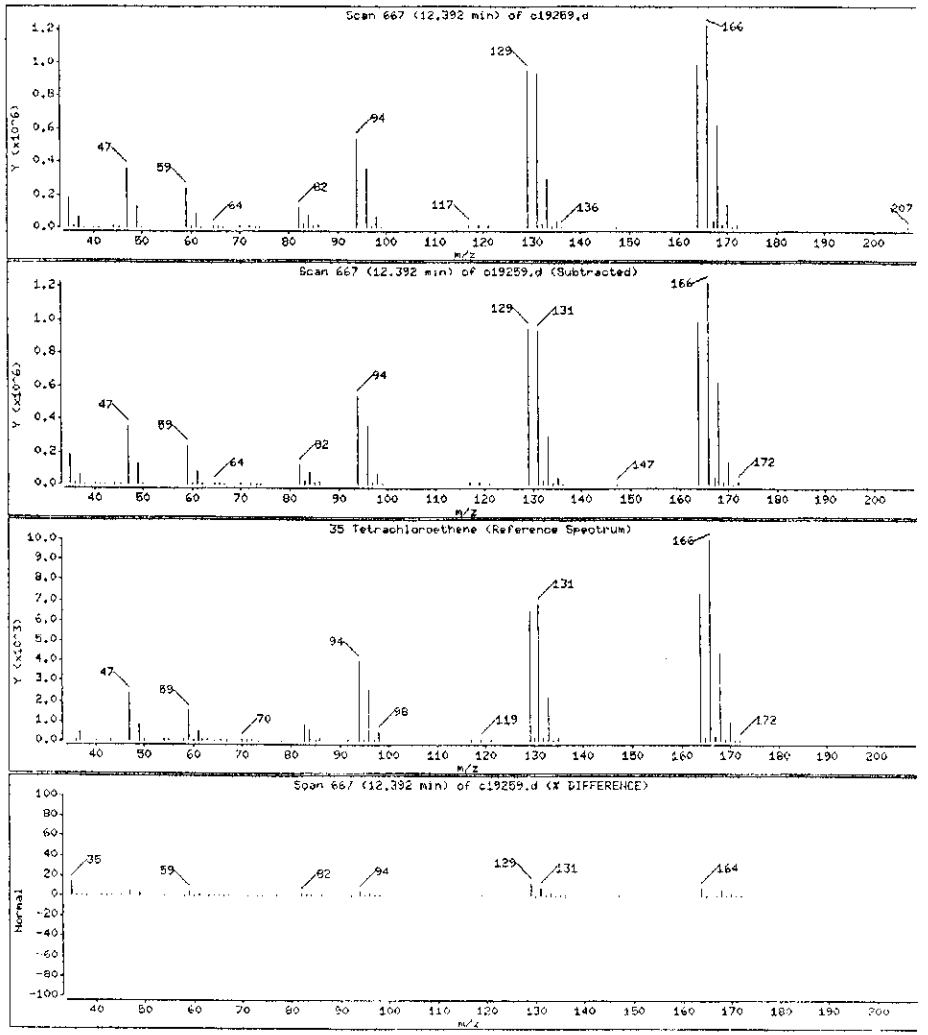
Operator: VOAHS 4

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 13000 ug/Kg



Client ID: SB-2
Site: StarPlaza,Golderlan

Lab Sample No: 351572
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28086.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.6
Bromomethane	ND	5.6
Vinyl Chloride	ND	5.6
Chloroethane	ND	5.6
Methylene Chloride	ND	3.4
Trichlorofluoromethane	ND	5.6
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.6
trans-1,2-Dichloroethene	ND	5.6
cis-1,2-Dichloroethene	0.7J	5.6
Chloroform	ND	5.6
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.6
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.6
Trichloroethene	0.7J	1.1
Dibromochloromethane	ND	5.6
1,1,2-Trichloroethane	ND	3.4
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.6
2-Chloroethyl Vinyl Ether	ND	5.6
Bromoform	ND	4.5
Tetrachloroethene	10	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.6
Chlorobenzene	ND	5.6
Ethylbenzene	ND	4.5
Xylene (Total)	ND	5.6

Client ID: SB-2
Site: StarPlaza,Golderlan

Lab Sample No: 351572
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28086.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 10.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.76	14	
2.	Unknown Siloxane	15.13	6.3	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 20

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d
Report Date: 29-May-2002 17:25

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d
Lab Smp Id: 351572 Client Smp ID: SB-2
Inj Date : 24-MAY-2002 16:32
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351572;;;4.98;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/8260L_02.m
Meth Date : 28-May-2002 11:37 kathys Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

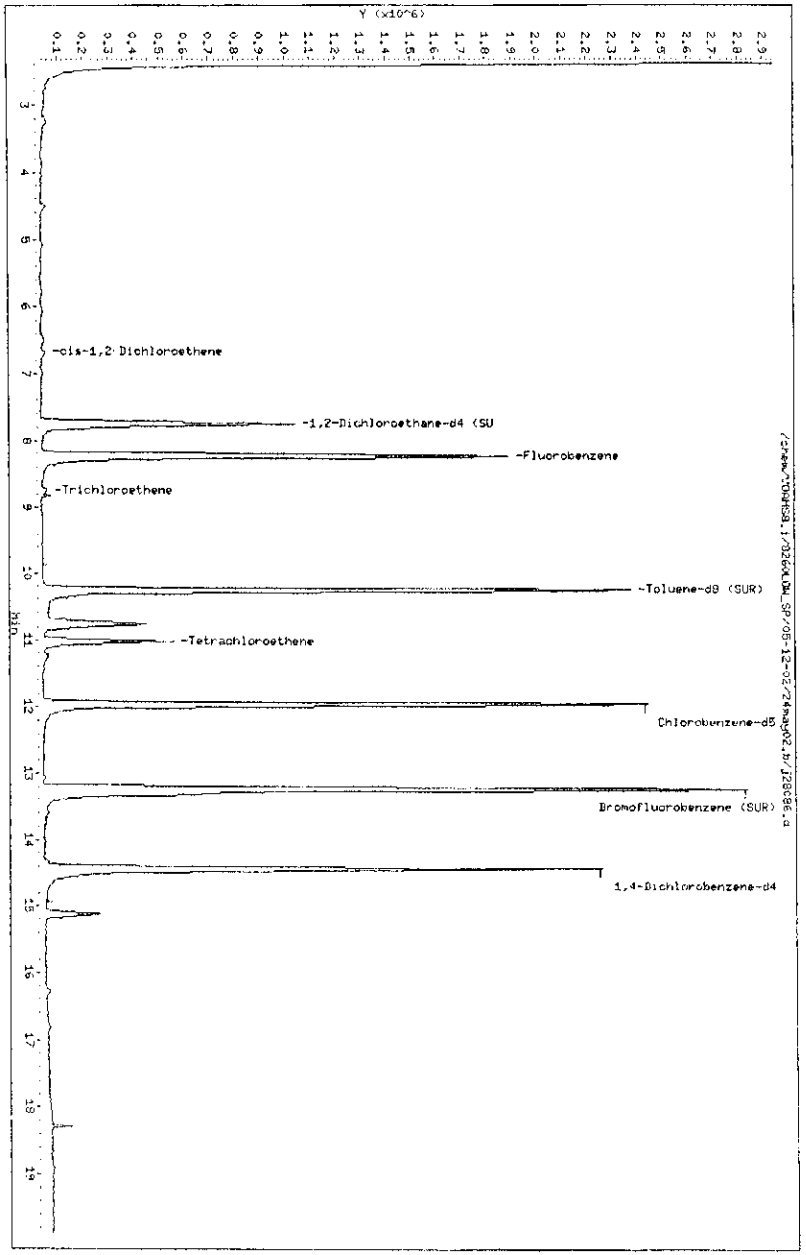
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.98000	Weight of sample extracted (g)
M	10.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	13 cis-1,2-Dichloroethene	96	6.670	6.667	(0.810)	16472	0.62133	0.70(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	7.739	7.755	(0.940)	1652058	52.0701	58
*	19 Fluorobenzene	96	8.230	8.236	(1.000)	3743320	50.0000	
	25 Trichloroethene	95	8.738	8.732	(1.062)	19378	0.58417	0.66(a)
$	37 Toluene-d8 (SUR)	98	10.248	10.254	(0.958)	3100408	51.9982	58
	35 Tetrachloroethene	166	11.018	11.031	(0.922)	357366	9.40229	10
*	32 Chlorobenzene-d5	117	11.944	11.963	(1.000)	2900358	50.0000	
$	41 Bromofluorobenzene (SUR)	174	13.224	13.237	(0.917)	1762917	55.2925	62
*	91 1,4-Dichlorobenzene-d4	152	14.424	14.429	(1.000)	1460119	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d

Date : 24-MAY-2002 16:32

Client ID: SB-2

Instrument: VOAMS8.i

Sample Info: 361872;;;4.98;5

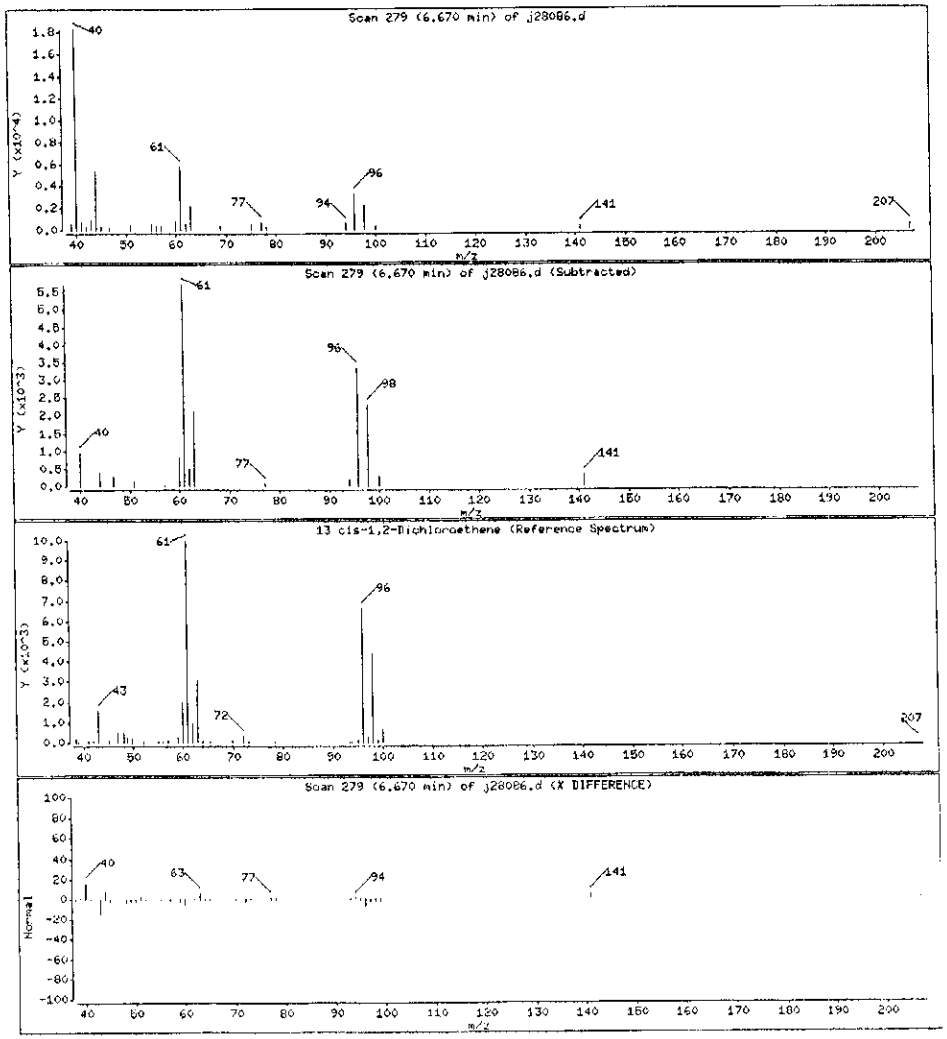
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

13 cis-1,2-Dichloroethene

Concentration: 0.70 ug/Kg



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d

Date : 24-MAY-2002 16:32

Client ID: SB-2

Instrument: VOAMS8.i

Sample Info: 361872;;;4.98;5

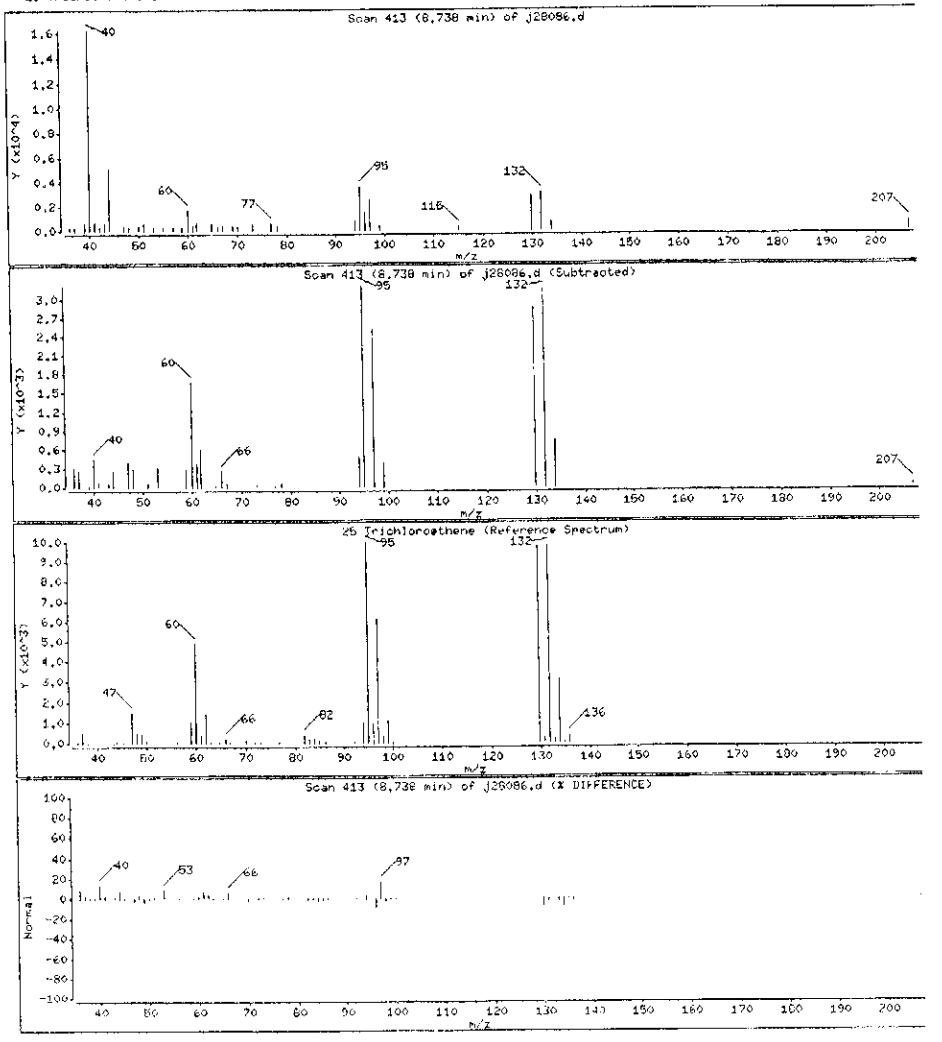
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

25 Trichloroethene

Concentration: 0.66 ug/Kg



Data File: /chem/VOAHS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d

Date : 24-MAY-2002 16:32

Client ID: SB-2

Instrument: VOAHS8.i

Sample Info: 351872;;;4.98;5

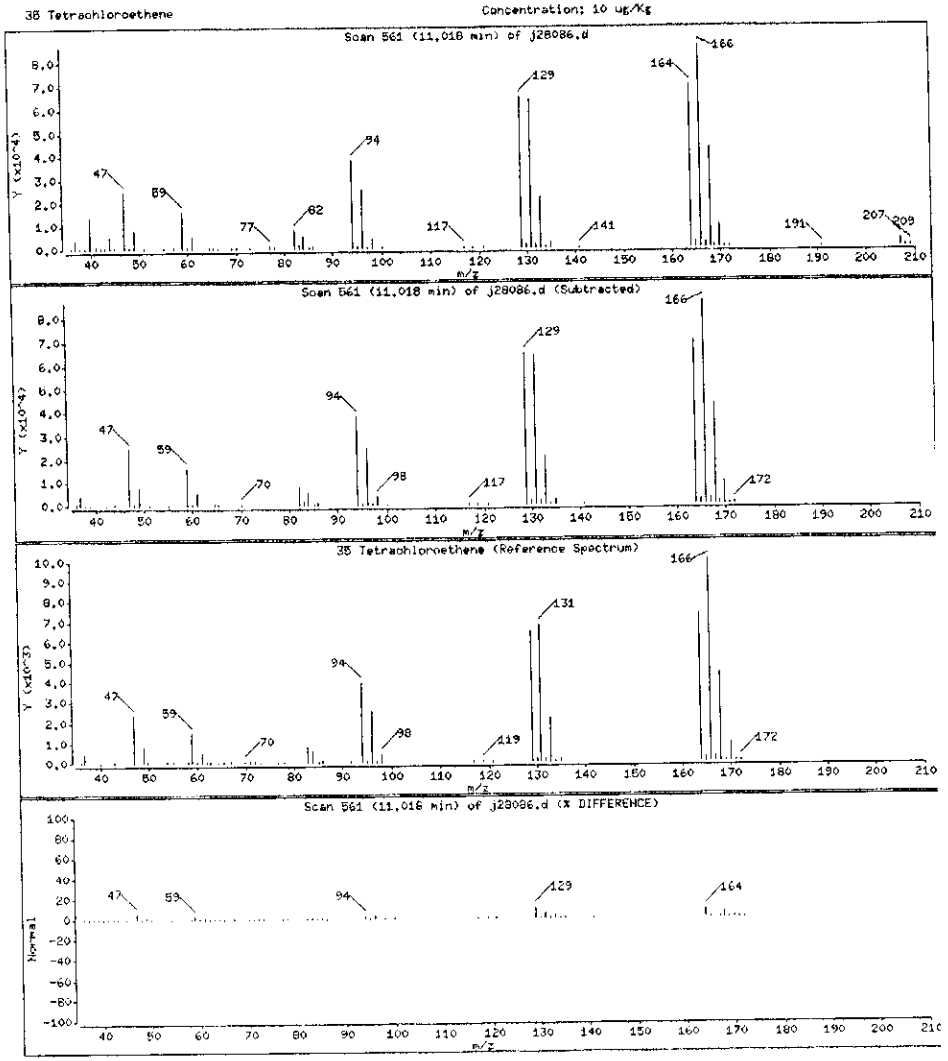
Operator: VOAHS 8

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 10 ug/Kg



Data File: /chem/VOAHS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d

Date : 24-MAY-2002 16:32

Client ID: SB-2

Instrument: VOAHS8.i

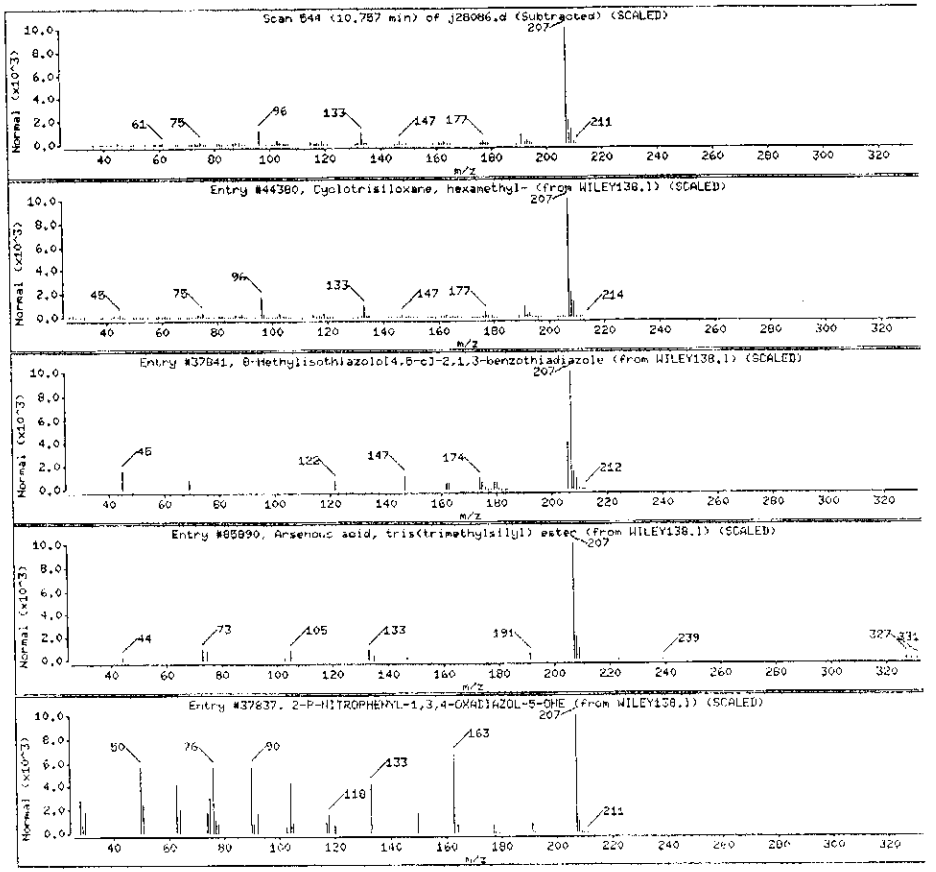
Sample Info: 351872;;;4.98;5

Operator: VOAHS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Cyclotrisiloxane, hexamethyl-	541-05-9	WILEY138.1	44380	91	C6H18O3Si3	222
8-Methylisothiazolo[4,5-c]-2,1,3-benzoth	74801-78-8	WILEY138.1	37841	64	C8H5N3S2	207
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	WILEY138.1	85890	56	C9H27AsO3Si3	342
2-P-NITROPHENYL-1,3,4-OXADIAZOL-5-ONE	41125-77-3	WILEY138.1	37837	53	C8H5N3O4	207



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/24may02.b/j28086.d

Date : 24-MAY-2002 16:32

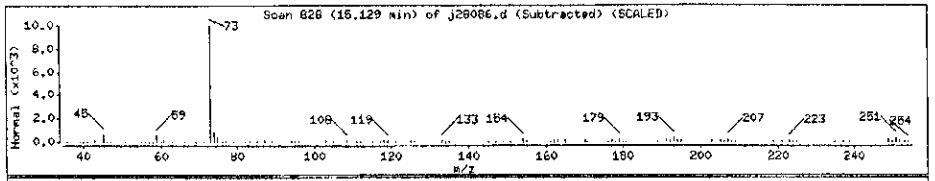
Client ID: SB-2 Instrument: VOAMS8.i

Sample Info: 351572:::4.96:5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Unknown			0	0		0



Client ID: SB-3
Site: StarPlaza,Golderlan

Lab Sample No: 351573
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28068.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS - METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.4
Bromomethane	ND	5.4
Vinyl Chloride	ND	5.4
Chloroethane	ND	5.4
Methylene Chloride	ND	3.3
Trichlorofluoromethane	ND	5.4
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.4
trans-1,2-Dichloroethene	ND	5.4
cis-1,2-Dichloroethene	ND	5.4
Chloroform	ND	5.4
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.4
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.4
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.4
1,1,2-Trichloroethane	ND	3.3
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	5.4
2-Chloroethyl Vinyl Ether	ND	5.4
Bromoform	ND	4.3
Tetrachloroethene	5.1	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	5.4
Chlorobenzene	ND	5.4
Ethylbenzene	ND	4.3
Xylene (Total)	ND	5.4

Client ID: **SB-3**
Site: StarPlaza,Golderlan

Lab Sample No: **351573**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28068.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 8.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.75	5.4	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				
	TOTAL ESTIMATED CONCENTRATION		5.4	

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28068.d
Report Date: 31-May-2002 15:49

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

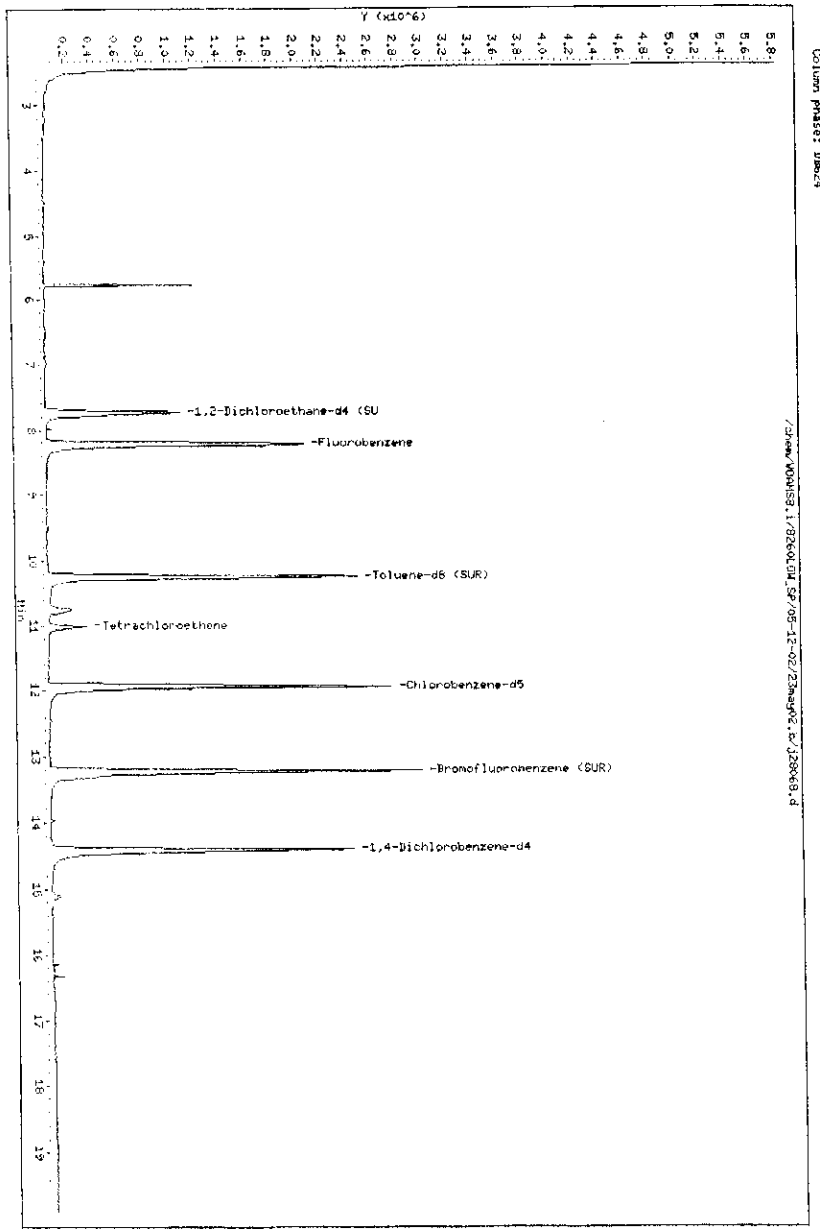
Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28068.d
Lab Smp Id: 351573 Client Smp ID: SB-3
Inj Date : 23-MAY-2002 16:48
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351573;;;5.01;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/8260L_02.m
Meth Date : 23-May-2002 12:03 audberto Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50 ✓✓

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.01000	Weight of sample extracted (g)
M	8.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

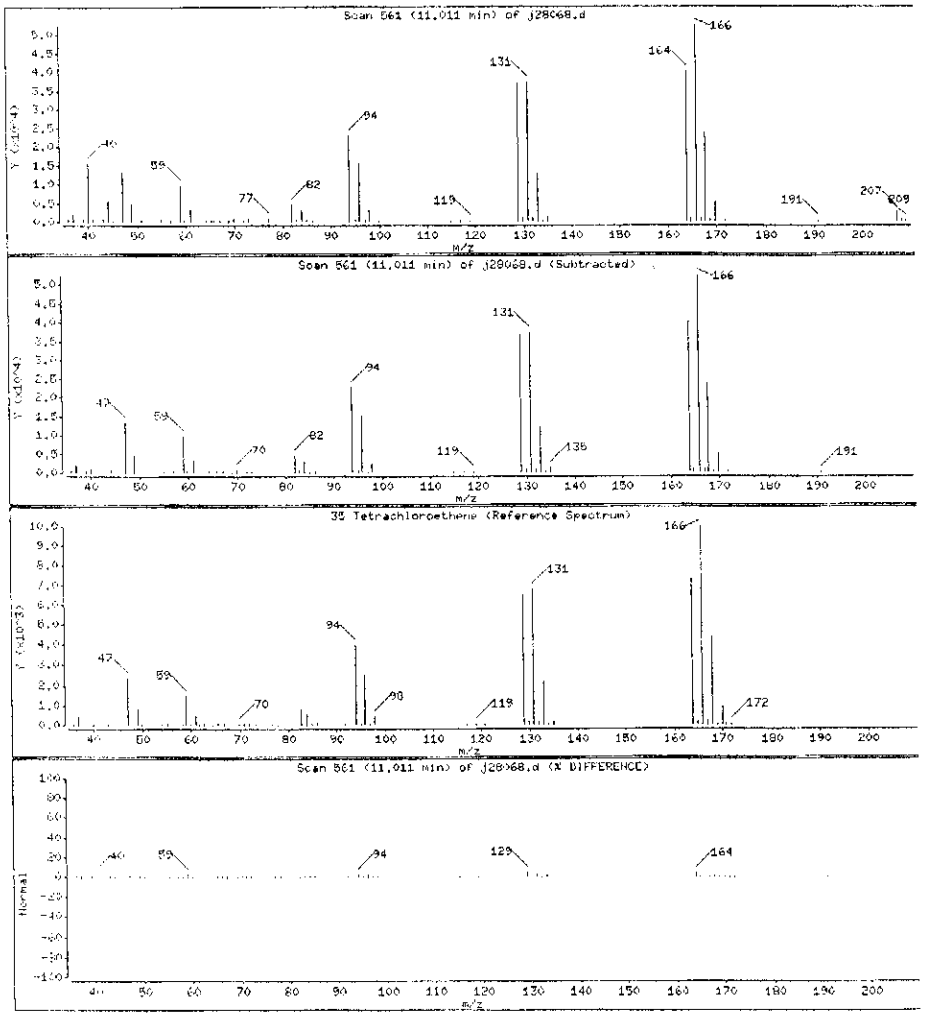
	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
S	16 1,2-Dichloroethane-d4 (SUR)	65	7.751	7.719	(0.942)	1659797	46.5832	51
*	19 Fluorobenzene	96	8.211	8.206	(1.000)	4228255	50.0000	
S	27 Toluene-d8 (SUR)	98	10.245	10.230	(0.859)	1299943	47.9723	52
	45 Tetrachloroethene	166	11.011	10.995	(0.923)	206808	4.71038	5.1
*	52 Chlorobenzene-d5	117	11.933	11.930	(1.000)	3545857	50.0000	
S	61 Bromofluorobenzene (SUR)	174	13.209	13.206	(0.916)	1834882	52.0439	56
*	73 1,4-Dichlorobenzene-d4	152	14.418	14.430	(1.000)	1614587	50.0000	



Data File: /chem/VOAHS8_i/8260LOW_SP/05-12-02/23may02.b/j28068.d
Date : 23-MAY-2002 16:48
Client ID: SB-3
Sample Info: 351573;;;5.01;5
Column phase: DB624
Instrument: VOAHS8,i
Operator: VOAHS 8
Column diameter: 0.53

/chem/VOAHS8_i/8260LOW_SP/05-12-02/23may02.b/j28068.d

Data File: /chem/VOAHS8_i/8260LOW_SP/05-12-02/23may02.b/j28068.d
Date : 23-MAY-2002 16:48
Client ID: SB-3
Instrument: VOAHS8,i
Sample Info: 351573;;;5.01;5
Operator: VOAHS 8
Column phase: DB624
Column diameter: 0.53
35 Tetrachloroethene
Concentration: 5.1 ug/Kg



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28068.d

Date : 23-MAY-2002 16:48

Client ID: SF-3

Instrument: VOAMS8.i

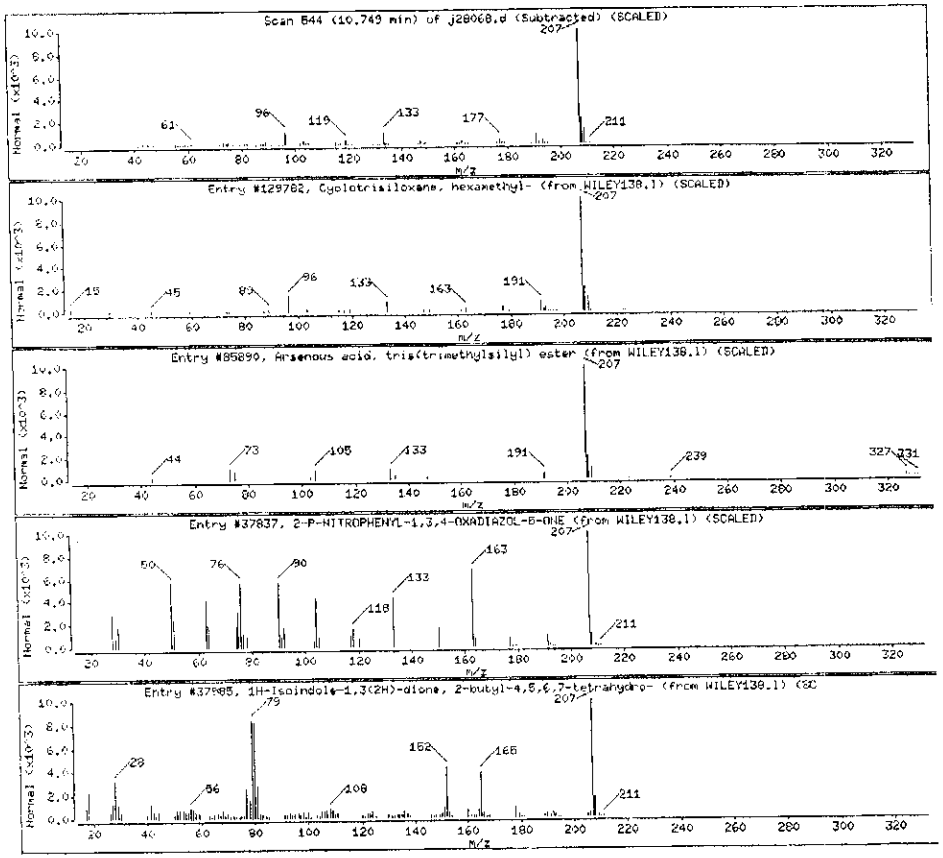
Sample Info: 351573;;5.0;;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Cyclotrisiloxane, hexamethyl-	541-05-9	WILEY138.1	129782	91	C6H18O3Si3	222
Arsenous acid, tris(trimethylsilyl) este	66429-29-3	WILEY138.1	85890	56	C9H27AsO3Si3	342
2-P-NITROPHENYL-1,3,4-OXADIAZOL-5-ONE	41125-77-3	WILEY138.1	37937	53	C8H5N3O4	207
1H-Isoindole-1,3(2H)-dione, 2-butyl-4,5,	54934-85-9	WILEY138.1	37985	43	C12H17NO2	207



Client ID: **SB-4**
Site: StarPlaza,Golderlan

Lab Sample No: **351574**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28069.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS - METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.2
Bromomethane	ND	6.2
Vinyl Chloride	ND	6.2
Chloroethane	ND	6.2
Methylene Chloride	ND	3.7
Trichlorofluoromethane	ND	6.2
1,1-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	6.2
trans-1,2-Dichloroethene	ND	6.2
cis-1,2-Dichloroethene	ND	6.2
Chloroform	ND	6.2
1,2-Dichloroethane	ND	2.5
1,1,1-Trichloroethane	ND	6.2
Carbon Tetrachloride	ND	2.5
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.2
1,1,2-Trichloroethane	ND	3.7
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	6.2
2-Chloroethyl Vinyl Ether	ND	6.2
Bromoform	ND	4.9
Tetrachloroethene	17	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	6.2
Chlorobenzene	ND	6.2
Ethylbenzene	ND	4.9
Xylene (Total)	ND	6.2

Client ID: **SB-4**
Site: StarPlaza,Golderlan

Lab Sample No: **351574**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28069.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 21.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				
	TOTAL ESTIMATED CONCENTRATION		0.0	

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28069.d
Report Date: 31-May-2002 15:49

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

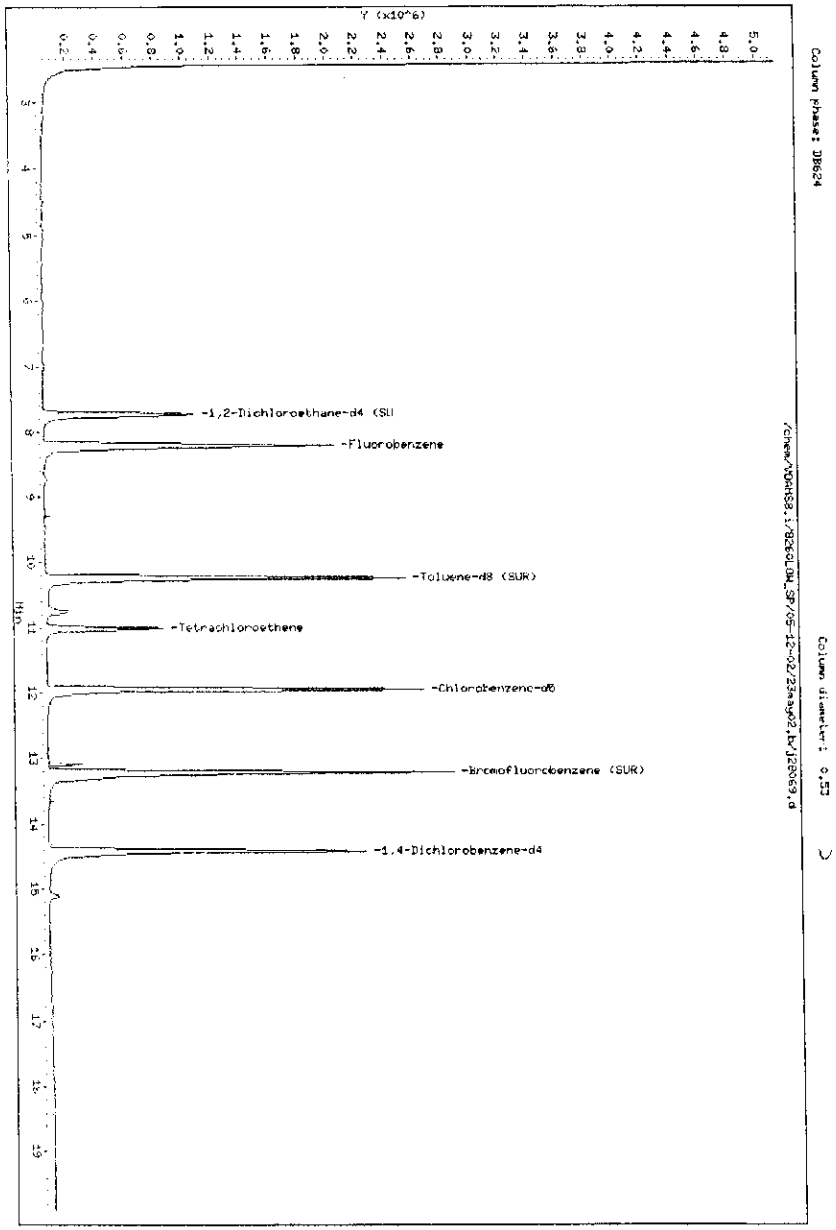
Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28069.d
Lab Smp Id: 351574 Client Smp ID: SB-4
Inj Date : 23-MAY-2002 17:17
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351574;;;5.17;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/8260L_02.m
Meth Date : 23-May-2002 12:03 audberto Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.17000	Weight of sample extracted (g)
M	21.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

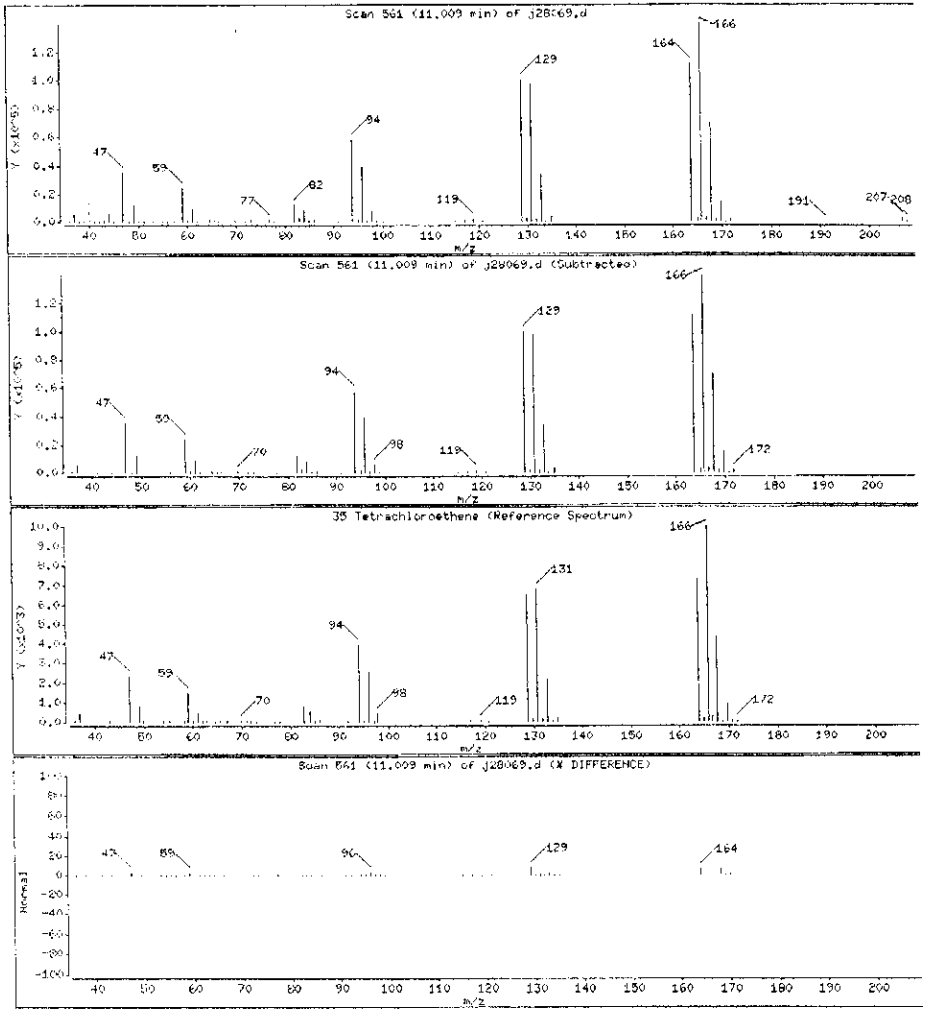
	Compound	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	76 1,2 Dichloroethane-d4 (SUR)	65	7.729	7.719	(0.960)	1691372	48.2675	60
*	39 Fluorobenzene	96	8.221	8.200	(1.000)	4134326	50.0000	
$	97 Toluene-d8 (SUR)	98	10.240	10.230	(0.856)	3289520	51.1651	63
	45 Tetrachloroethene	166	11.009	10.995	(0.922)	560924	13.6866	17
*	82 Chlorobenzene-d5	117	11.935	11.930	(1.000)	3127159	50.0000	
$	91 Bromofluorobenzene (SUR)	174	13.211	13.206	(0.917)	1761734	55.2633	68
*	91 1,4-Dichlorobenzene-d4	152	14.412	14.400	(1.000)	1459912	50.0000	



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28069.d
Date : 23-MAY-2002 17:17
Client ID: SB-4
Sample Info: 351574;;;5,17;5
Column phase: DB624
Instrument: VOAMS8.i
Operator: VOAMS 8
Column diameter: 0.53

/chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28069.d

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28069.d
Date : 23-MAY-2002 17:17
Client ID: SB-4
Sample Info: 351574;;;5,17;5
Instrument: VOAMS8.i
Operator: VOAMS 8
Column phase: DB624
Column diameter: 0.53
35 Tetrachloroethene
Concentration: 17 ug/Kg



Client ID: SB-5
Site: StarPlaza,Golderlan

Lab Sample No: 351575
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28070.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS - METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	ND	3.0
Trichlorofluoromethane	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	ND	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.1
2-Chloroethyl Vinyl Ether	ND	5.1
Bromoform	ND	4.1
Tetrachloroethene	58	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	ND	4.1
Xylene (Total)	ND	5.1

Client ID: SB-5
Site: StarPlaza,Golderlan

Lab Sample No: 351575
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28070.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 4.0

VOLATILE ORGANICS - GC/MS TENTATIVELY IDENTIFIED COMPOUNDS METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28070.d
Report Date: 31-May-2002 15:49

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

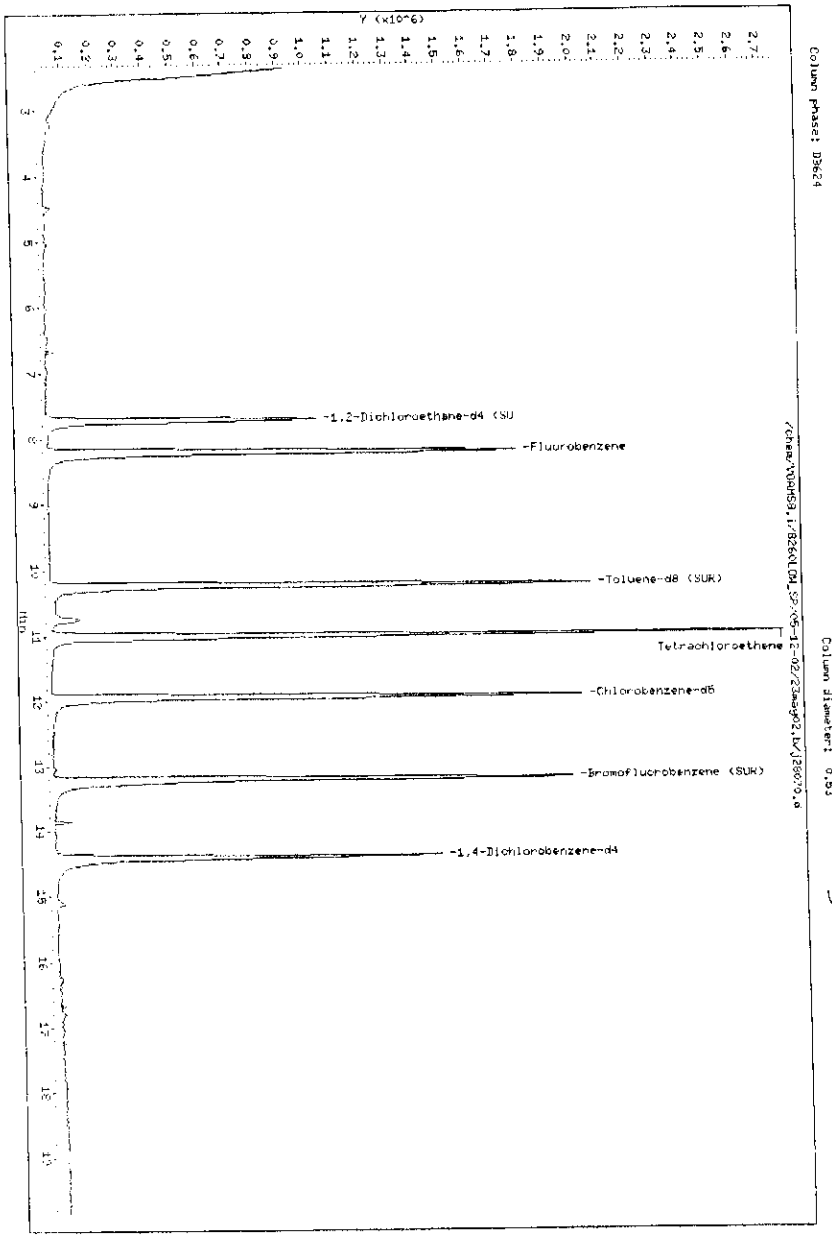
Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28070.d
Lab Smp Id: 351575 Client Smp ID: SB-5
Inj Date : 23-MAY-2002 17:46
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351575;;;5.12;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/8260L_02.m
Meth Date : 23-May-2002 12:03 audberto Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.12000	Weight of sample extracted (g)
M	4.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
S	16 1,2-Dichloroethane-d4 (SUR)	65	7.730	7.719	(0.941)	1576928	52.2131	53
*	19 Fluorobenzene	96	8.210	8.200	(1.000)	3563302	50.0000	
S	40 Toluene-d8 (SUR)	98	10.241	10.230	(0.858)	2796463	54.2810	55
	45 Tetrachloroethene	166	10.995	10.995	(0.921)	1825264	57.4299	58
*	52 Chlorobenzene-d5	117	11.937	11.930	(1.000)	2425098	50.0000	
S	61 Bromofluorobenzene (SUR)	174	13.220	13.206	(0.918)	1312823	58.9605	60
*	91 1,4-Dichlorobenzene-d4	152	14.406	14.400	(1.000)	1019689	50.0000	



Data File: /chem/VOAMS8.i/8260LOW_SP/06-12-02/23may02.b/j28070.d

Date : 23-MAY-2002 17:46

Client ID: SB-5

Instrument: VOAMS8.i

Sample Info: 351576;;;5.12;5

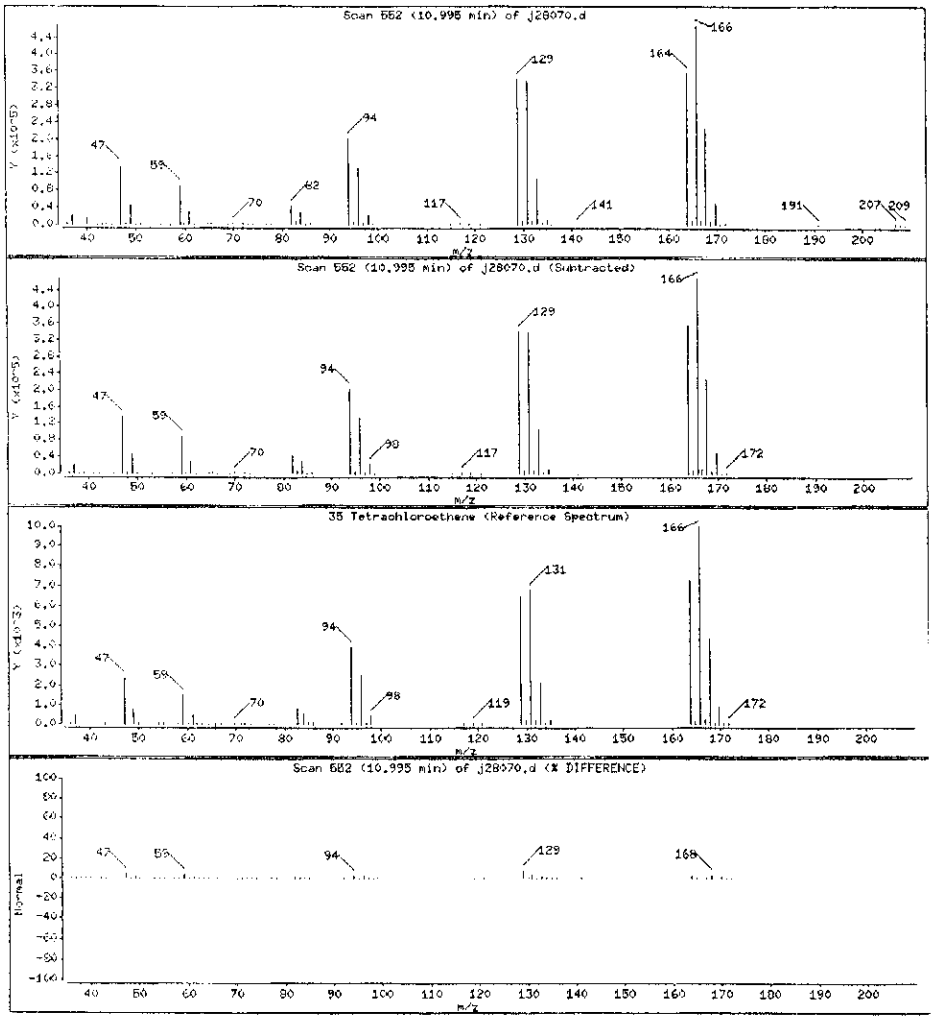
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 88 ug/Kg



Client ID: SB-6
Site: StarPlaza,Golderlan

Lab Sample No: 351576
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28071.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 3

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.2
Bromomethane	ND	5.2
Vinyl Chloride	ND	5.2
Chloroethane	ND	5.2
Methylene Chloride	0.7JB	3.1
Trichlorofluoromethane	ND	5.2
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.2
trans-1,2-Dichloroethene	ND	5.2
cis-1,2-Dichloroethene	ND	5.2
Chloroform	ND	5.2
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.2
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.2
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.2
1,1,2-Trichloroethane	ND	3.1
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.2
2-Chloroethyl Vinyl Ether	ND	5.2
Bromoform	ND	4.2
Tetrachloroethene	180	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.2
Chlorobenzene	ND	5.2
Ethylbenzene	ND	4.2
Xylene (Total)	ND	5.2

Client ID: **SB-6**
Site: StarPlaza,Golderlan

Lab Sample No: **351576**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28071.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 3.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Siloxane	10.74	6.3	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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14.				
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16.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				
	TOTAL ESTIMATED CONCENTRATION		6.3	

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d
Report Date: 31-May-2002 15:49

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d
Lab Smp Id: 351576 Client Smp ID: SB-6
Inj Date : 23-MAY-2002 18:14
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351576;;;4.98;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/8260L_02.m
Meth Date : 23-May-2002 12:03 audberto Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

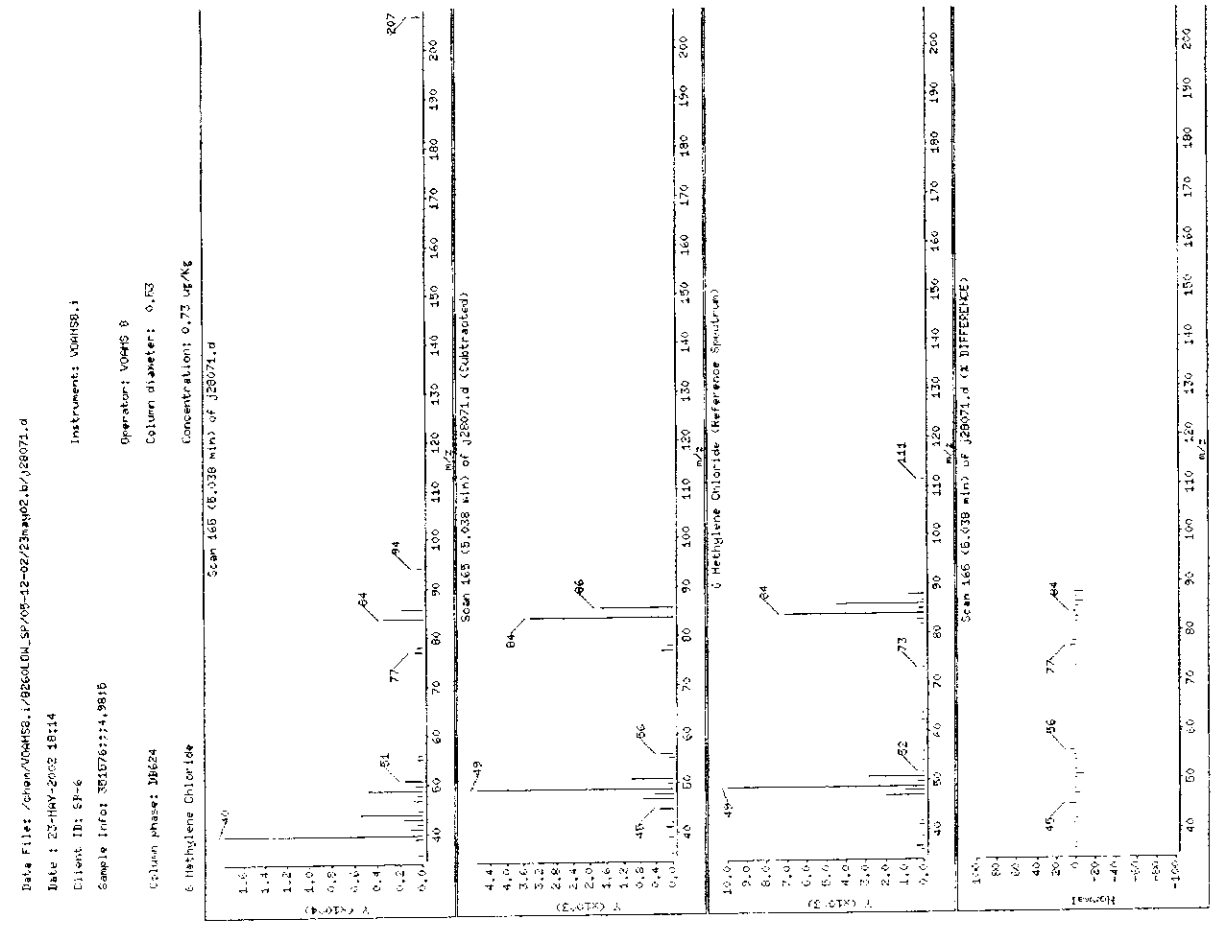
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.98000	Weight of sample extracted (g)
M	3.30000	% Moisture (not decanted)

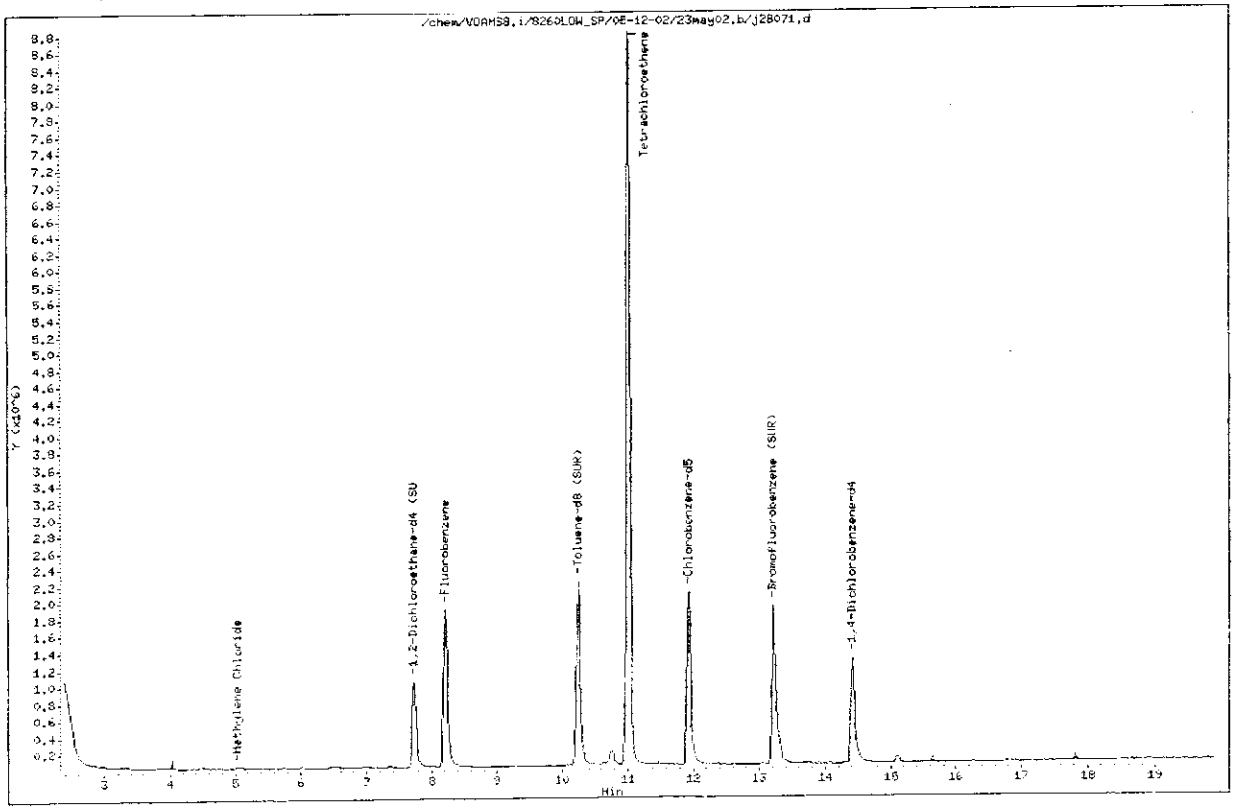
Cpnd Variable Local Compound Variable

	Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	5.038	5.038	(0.614)	15609	0.69985	0.93(a)
S	16 1,2 Dichloroethane-d4 (SUR)	65	7.728	7.719	(0.941)	1646677	51.0067	54
*	29 Fluorobenzene	96	8.209	8.200	(1.000)	3763626	50.0000	
S	44 Toluene-d8 (SUR)	98	10.234	10.230	(0.858)	2868557	55.1542	57
	45 Tetrachloroethene	166	11.004	10.985	(0.922)	5891750	177.709	180
*	82 Chlorobenzene-d5	117	11.934	11.930	(1.000)	2529748	50.0000	
S	83 Bromofluorobenzene (SUR)	174	13.209	13.206	(0.917)	1244429	62.9044	65
*	90 1,4-Dichlorobenzene-d4	152	14.410	14.400	(1.000)	991261	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAHS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d
Date : 23-MAY-2002 18:14
Client ID: SB-6
Instrument: VOAHS8.i
Sample Info: 351576;;;4.98;5
Operator: VOAHS 8
Column phase: DB624
Column diameter: 0.53
Concentration: 0.73 ug/Kg
6 Methylene Chloride
Scan 165 (5.038 min) of j28071.d
Scan 165 (5.038 min) of j28071.d (Subtracted)
6 Methylene Chloride (Reference Spectrum)
Scan 165 (5.038 min) of j28071.d (% DIFFERENCE)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Date : 23-MAY-2002 18:14
Client ID: SB-6
Sample Info: 351576;;;4.98;5
Instrument: VOAHS8.i
Operator: VOAHS 8
Column diameter: 0.53
Column phase: DB624
/chem/VOAHS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d
Y (x10^6)
Min
6-Methylene Chloride
1,2-Dichloroethane-d4 (SU
Fluorobenzene
Toluene-d8 (SUR)
Tetrachloroethene
Chlorobenzene-d5
Bromofluorobenzene (SUR)
1,4-Dichlorobenzene-d4

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d

Date : 23-MAY-2002 16:14

Client ID: SB-6

Instrument: VOAMS8.i

Sample Info: 351576;;;4.98;5

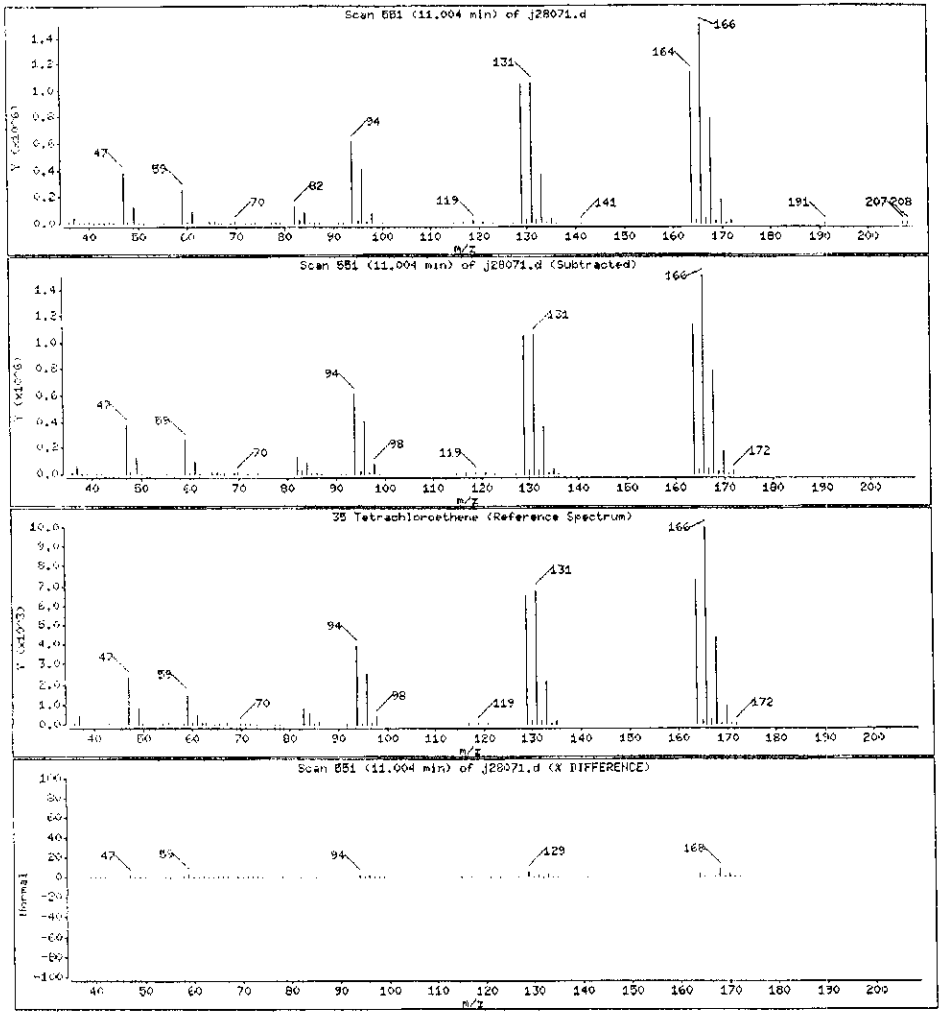
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 180 ug/Kg



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28071.d

Date : 23-MAY-2002 16:14

Client ID: SB-6

Instrument: VOAMS8.i

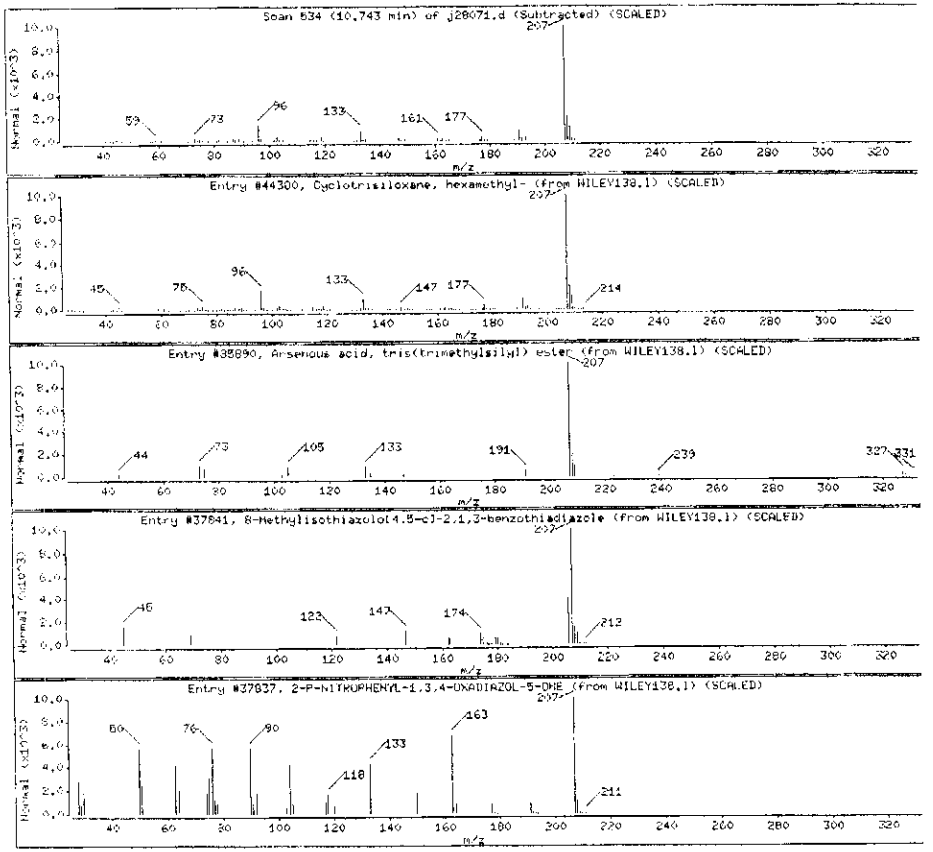
Sample Info: 351576;;;4.98;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Cyclotrisiloxane, hexamethyl-	541-05-9	WILEY138.1	44380	91	C6H18O3Si3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	WILEY138.1	85890	64	C9H27AsO3Si3	342
8-Methylisothiazolo(4,5-c)-2,1,3-benzoth	74801-78-8	WILEY138.1	37841	59	C8H5N3S2	207
2-P-NITROPHENYL-1,3,4-OXADIAZOL-5-ONE	41126-77-3	WILEY138.1	37837	50	C8H5N3O4	207



Client ID: SB-7
Site: StarPlaza,Golderlan

Lab Sample No: 351577
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28072.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 3

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.1
Bromomethane	ND	5.1
Vinyl Chloride	ND	5.1
Chloroethane	ND	5.1
Methylene Chloride	0.8JB	3.0
Trichlorofluoromethane	ND	5.1
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.1
trans-1,2-Dichloroethene	ND	5.1
cis-1,2-Dichloroethene	ND	5.1
Chloroform	ND	5.1
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.1
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.1
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.1
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.1
2-Chloroethyl Vinyl Ether	ND	5.1
Bromoform	ND	4.0
Tetrachloroethene	75	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.1
Chlorobenzene	ND	5.1
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.1

Client ID: SB-7
Site: StarPlaza,Golderlan

Lab Sample No: 351577
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/23/02
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j28072.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 2.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28072.d
Report Date: 31-May-2002 15:49

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28072.d
Lab Smp Id: 351577 Client Smp ID: SB-7
Inj Date : 23-MAY-2002 18:43
Operator : VOAMS 8 Inst ID: VOAMS8.i
Smp Info : 351577;;;5.07;5
Misc Info : W653;4034;;KLB
Comment :
Method : /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/8260L_02.m
Meth Date : 23-May-2002 12:03 audberto Quant Type: ISTD
Cal Date : 12-MAY-2002 21:15 Cal File: j27890.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

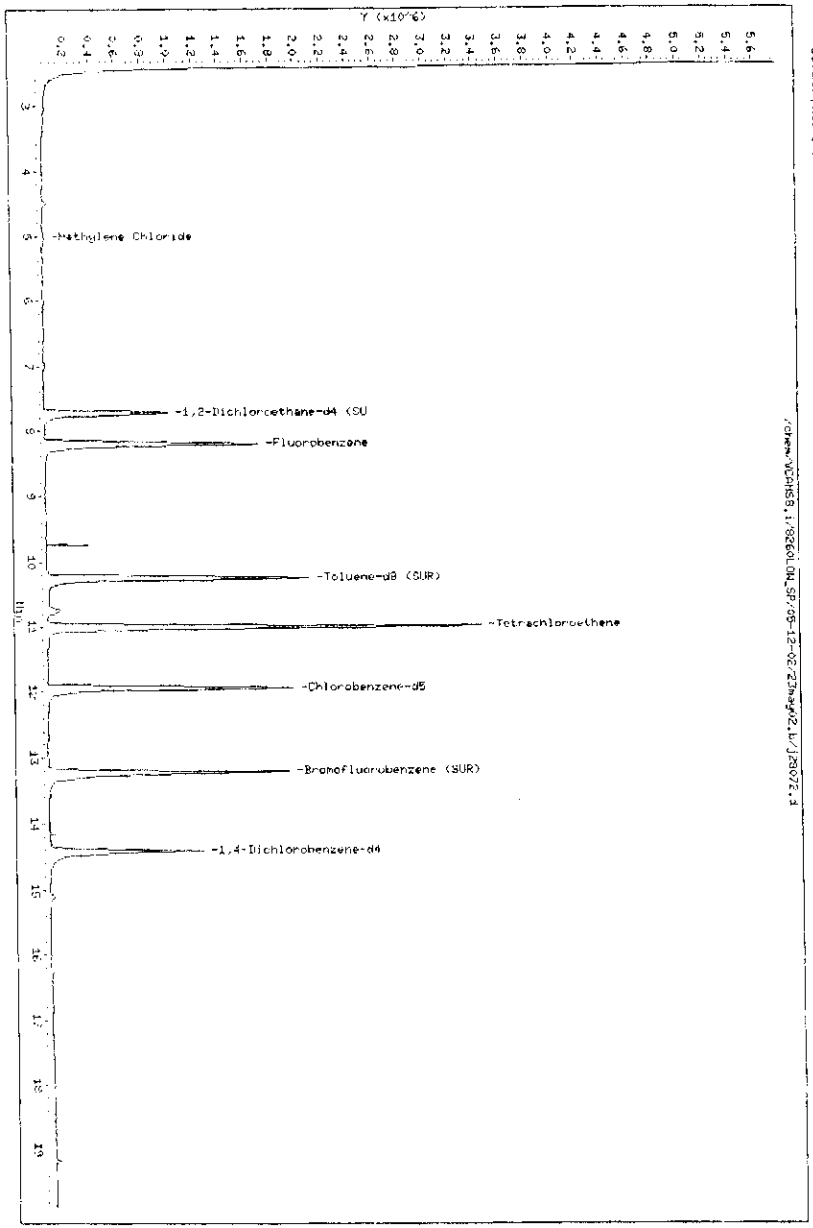
Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.07000	Weight of sample extracted (g)
M	2.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ug/L)	FINAL (ug/Kg)
	6 Methylene Chloride	84	5.042	5.036	(0.614)	15671	0.77405	0.78(a)
$	10 1,2-Dichloroethane-d4 (SUR)	65	7.726	7.719	(0.942)	1503111	52.9463	54
*	19 Fluorobenzene	96	8.205	8.200	(1.000)	3416318	50.0000	
$	57 Toluene-d8 (SUR)	98	10.238	10.230	(0.858)	2699649	55.6889	56
	85 Tetrachloroethene	166	10.993	10.895	(0.921)	2296935	74.3294	75
*	93 Chlorobenzene-d5	117	11.934	11.930	(1.000)	2357925	50.0000	
$	95 Bromofluorobenzene (SUR)	174	13.207	13.206	(0.916)	1256081	64.4326	65
*	97 1,4-Dichlorobenzene-d4	152	14.420	14.400	(1.000)	892761	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28072.d

Date : 23-MAY-2002 18:43

Client ID: SB-7

Instrument: VOAMS8.i

Sample Info: 351577;;;5.07;5

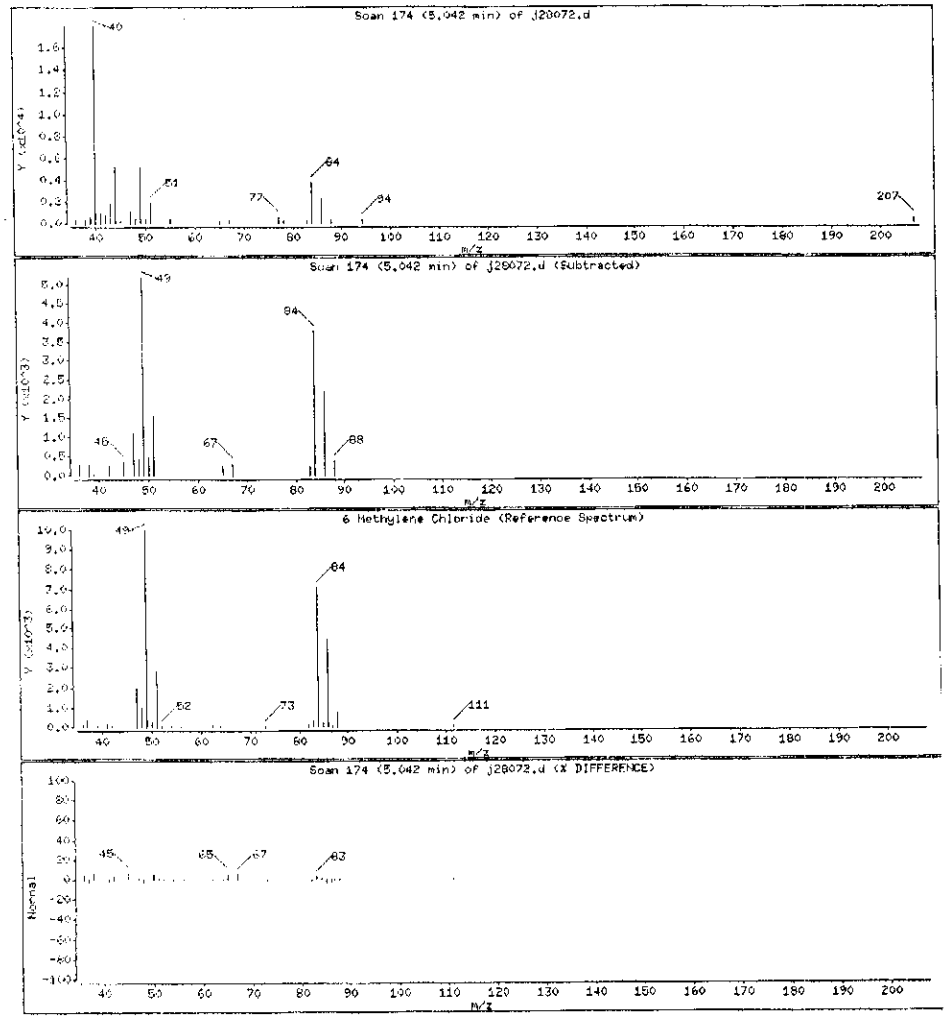
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

6 Methylene Chloride

Concentration: 0.78 ug/Kg



Data File: /chem/VOAMS8.i/8260LOW_SP/05-12-02/23may02.b/j28072.d

Date : 23-MAY-2002 18:43

Client ID: SB-7

Instrument: VOAMS8.i

Sample Info: 351577;;;5.07;5

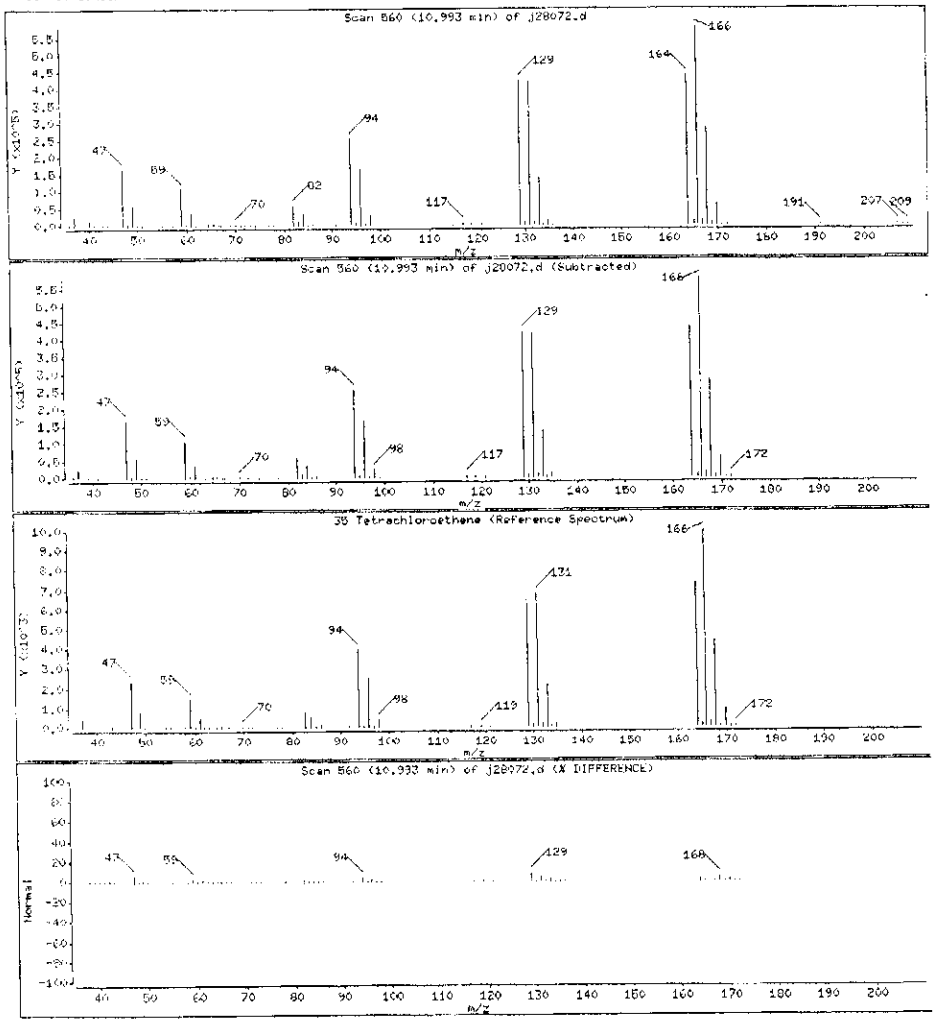
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

38 Tetrachloroethene

Concentration: 75 ug/Kg



Client ID: GW-1
Site: StarPlaza,Golderlan

Lab Sample No: 351578
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35181.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.5
Methylene Chloride	ND	0.9
Trichlorofluoromethane	ND	0.4
1,1-Dichloroethene	ND	0.3
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	3.8	0.3
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.4
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.4
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	1.3	0.1
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	4.3	0.2
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.2

Client ID: GW-1
Site: StarPlaza,Golderlan

Lab Sample No: 351578
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35181.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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27.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35181.d
Report Date: 28-May-2002 14:16

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

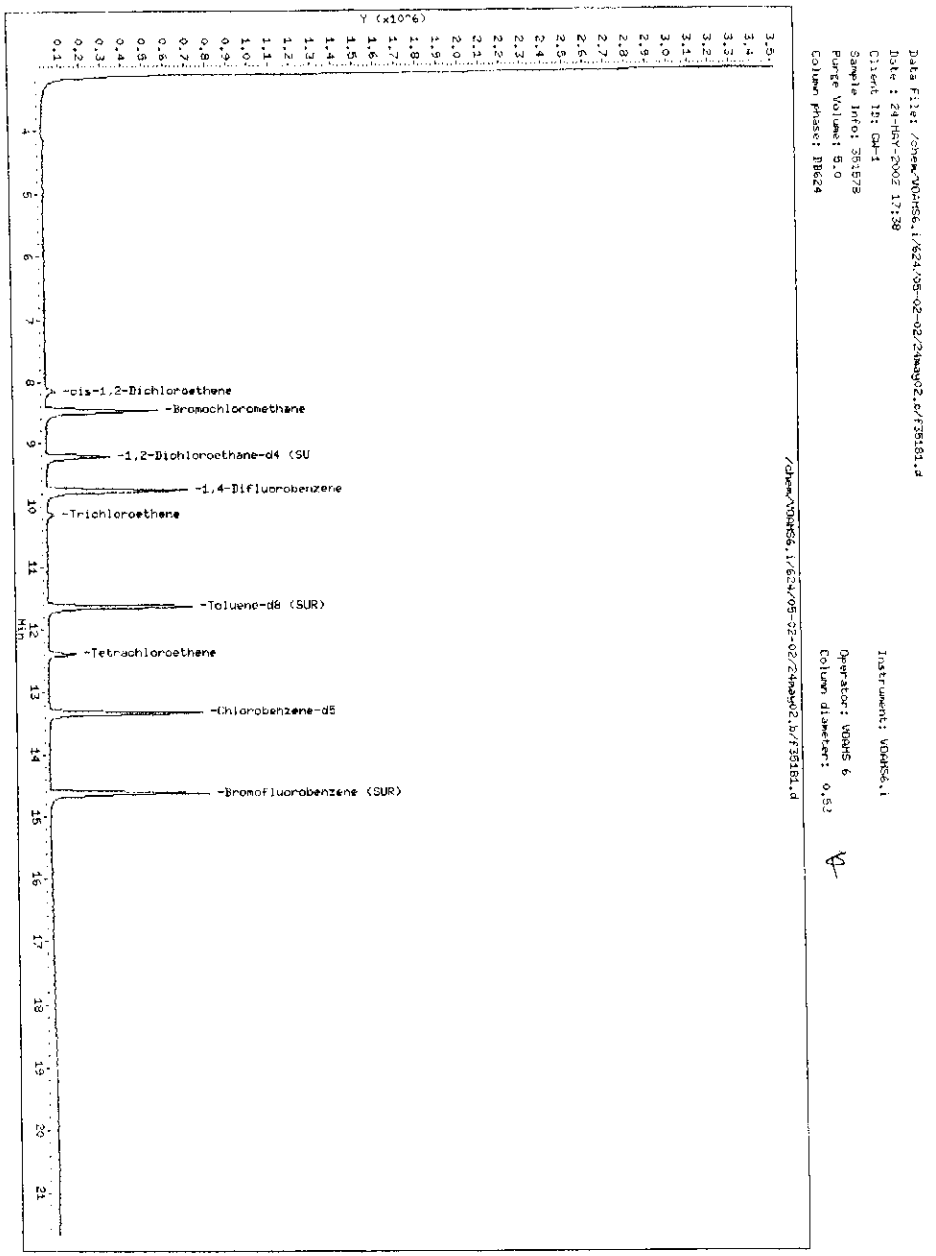
Data file : /chem/VOAMS6.i/624/05-02-02/24may02.b/f35181.d
Lab Smp Id: 351578 Client Smp ID: GW-1
Inj Date : 24-MAY-2002 17:38 Inst ID: VOAMS6.i
Operator : VOAMS 6
Smp Info : 351578
Misc Info : W653;8259;;KLB
Comment :
Method : /chem/VOAMS6.i/624/05-02-02/24may02.b/624_02.m
Meth Date : 25-May-2002 12:26 riaz Quant Type: ISTD
Cal Date : 02-MAY-2002 19:12 Cal File: f34393.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	13 cis-1,2 Dichloroethene	96	8.191	8.193	(0.963)	52538	3.86460	3.8
*	2 Bromochloromethane	128	8.463	8.430	(1.000)	363917	30.0000	
$	16 1,2-Dichloroethane-d4 (SUR)	104	9.208	9.189	(0.964)	71717	29.1857	29
*	19 1,4-Difluorobenzene	114	9.759	9.740	(1.000)	1210770	30.0000	
	25 Trichloroethene	95	10.161	10.127	(1.041)	20367	1.28646	1.3
$	37 Toluene-d8 (SUR)	98	11.620	11.616	(0.873)	887602	29.5084	30
	35 Tetrachloroethene	166	12.379	12.376	(0.930)	87441	4.34015	4.3
*	32 Chlorobenzene-d5	117	13.317	13.314	(1.000)	930291	30.0000	
$	41 Bromofluorobenzene (SUR)	174	14.613	14.609	(1.097)	489173	27.2348	27



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35181.d

Date : 24-MAY-2002 17:38

Client ID: GW-1

Instrument: VOAMS6.i

Sample Info: 351578

Purge Volume: 5.0

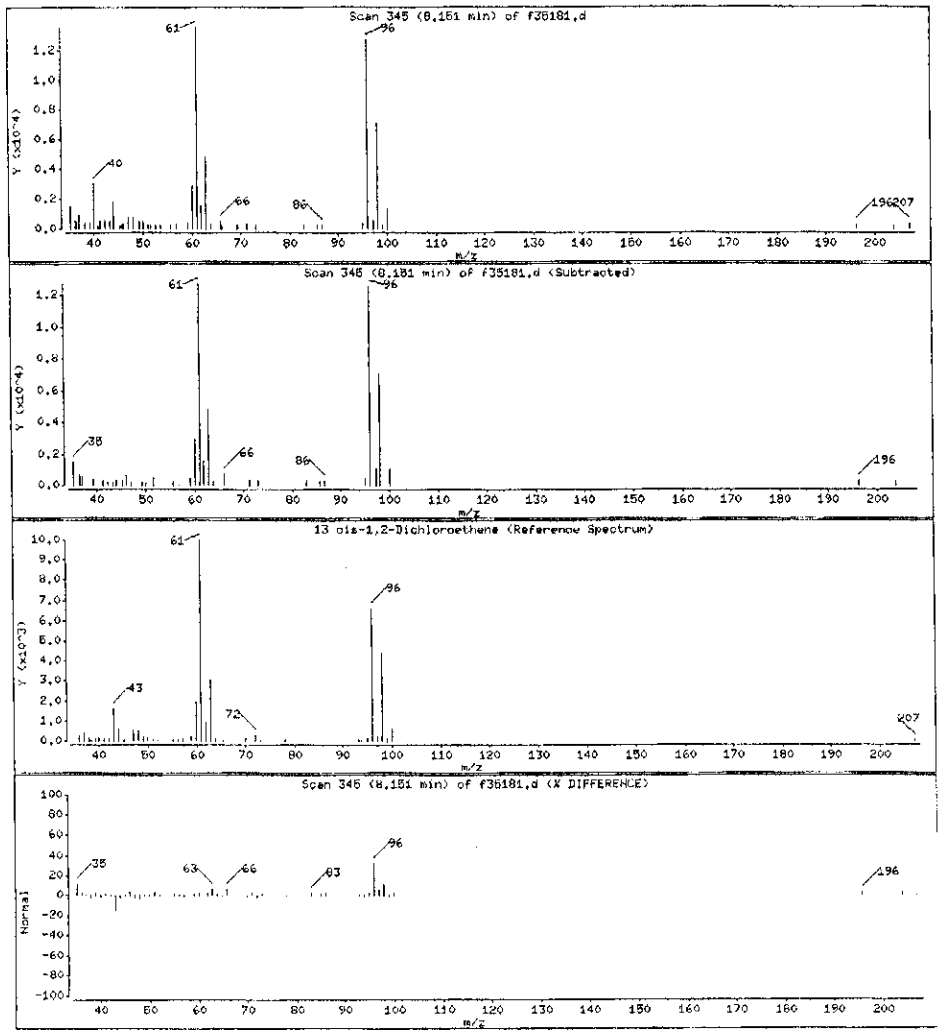
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

13 cis-1,2-Dichloroethene

Concentration: 3.8 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35181.d

Date : 24-MAY-2002 17:38

Client ID: GW-1

Instrument: VOAMS6.i

Sample Info: 351578

Purge Volume: 5.0

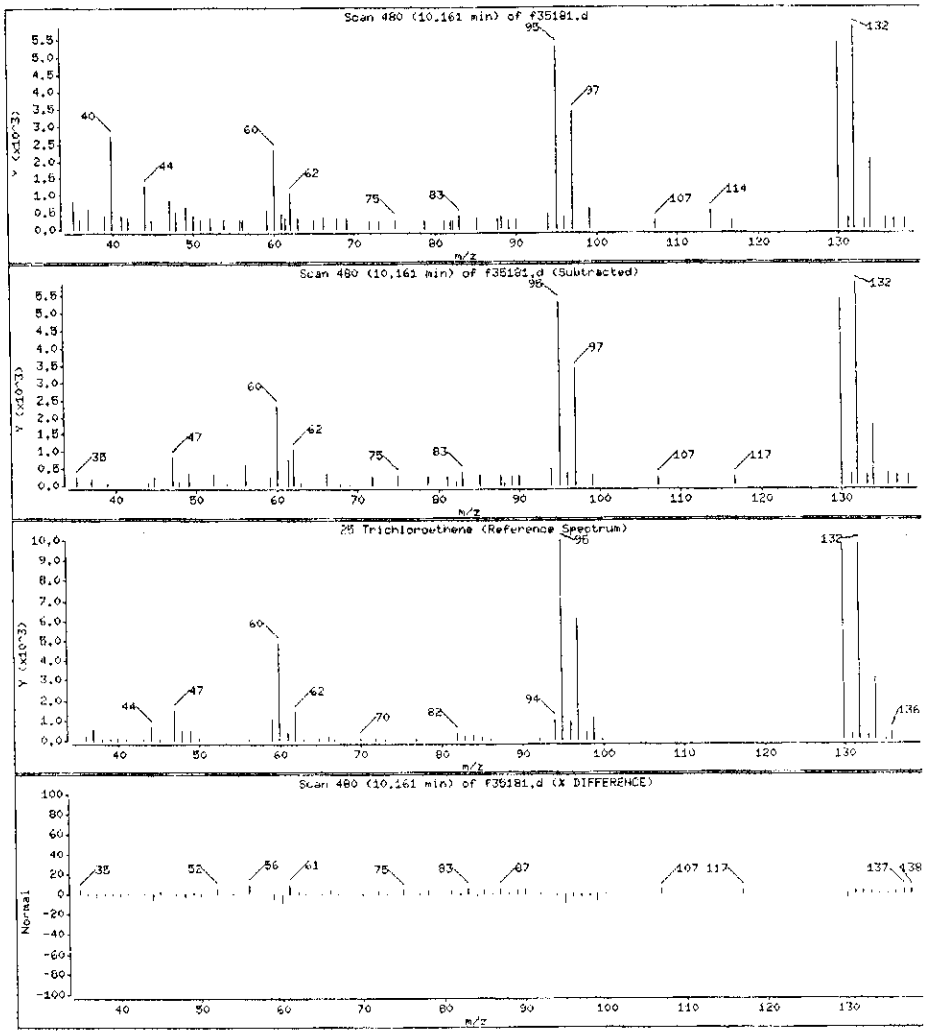
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

26 Trichloroethene

Concentration: 1.3 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/F35181.d

Date : 24-MAY-2002 17:38

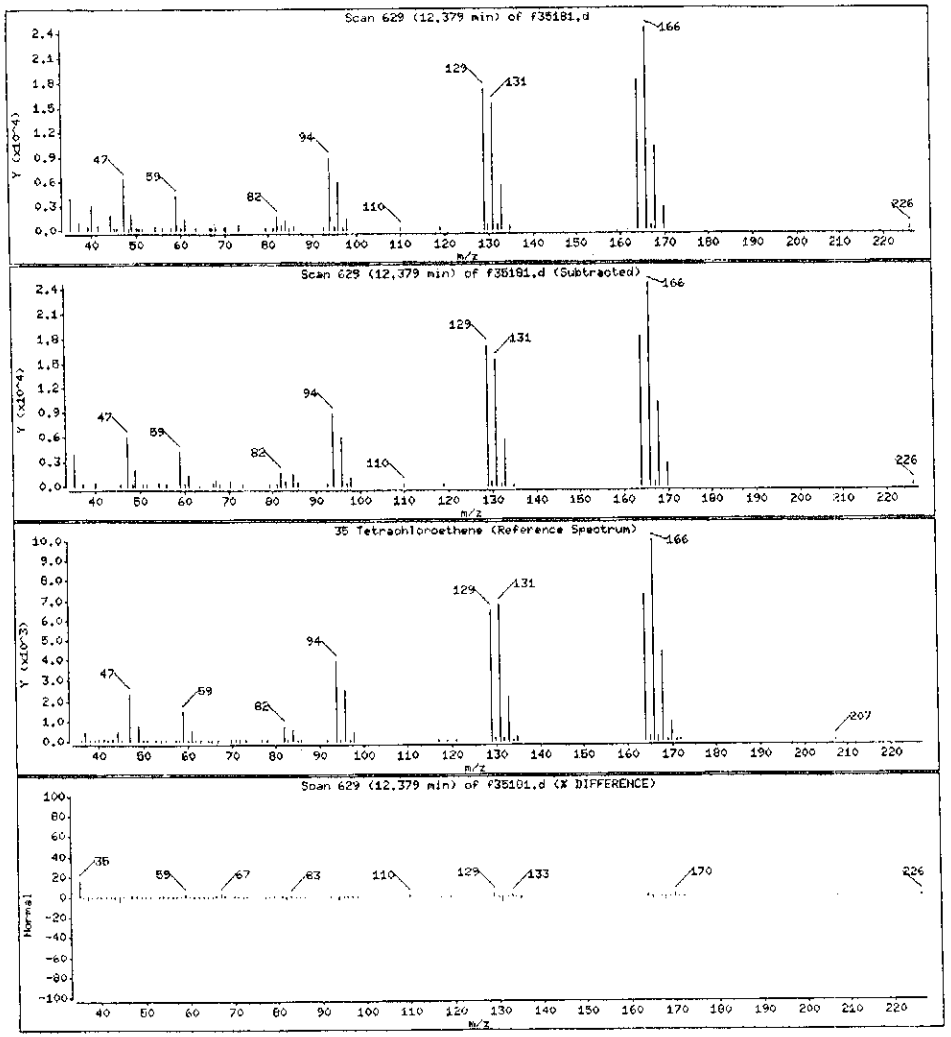
Client ID: GW-1 Instrument: VOAMS6.i

Sample Info: 351578

Purge Volume: 5.0 Operator: VOAMS 6

Column phase: DB624 Column diameter: 0.53

35 Tetrachloroethene Concentration: 4.3 ug/L



Client ID: **GW-2**
Site: StarPlaza,Golderlan

Lab Sample No: **351579**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35218.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	2.2
Bromomethane	ND	1.6
Vinyl Chloride	ND	1.4
Chloroethane	ND	2.4
Methylene Chloride	ND	4.4
Trichlorofluoromethane	ND	2.0
1,1-Dichloroethene	ND	1.4
1,1-Dichloroethane	ND	1.4
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	77	1.6
Chloroform	2.2	1.2
1,2-Dichloroethane	ND	1.8
1,1,1-Trichloroethane	3.0	1.3
Carbon Tetrachloride	ND	1.5
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.8
cis-1,3-Dichloropropene	ND	1.5
Trichloroethene	47	0.6
Dibromochloromethane	ND	1.4
1,1,2-Trichloroethane	ND	1.4
Benzene	ND	1.4
trans-1,3-Dichloropropene	ND	1.4
2-Chloroethyl Vinyl Ether	ND	2.4
Bromoform	ND	1.4
Tetrachloroethene	690	1.2
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	ND	1.2
Chlorobenzene	ND	1.0
Ethylbenzene	ND	0.8
Xylene (Total)	ND	0.9

Client ID: **GW-2**
Site: StarPlaza,Golderlan

Lab Sample No: **351579**
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/25/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35218.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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27.				
28.				
29.				
30.				
	TOTAL ESTIMATED CONCENTRATION		0.0	

Data File: /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d
Report Date: 29-May-2002 17:25

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

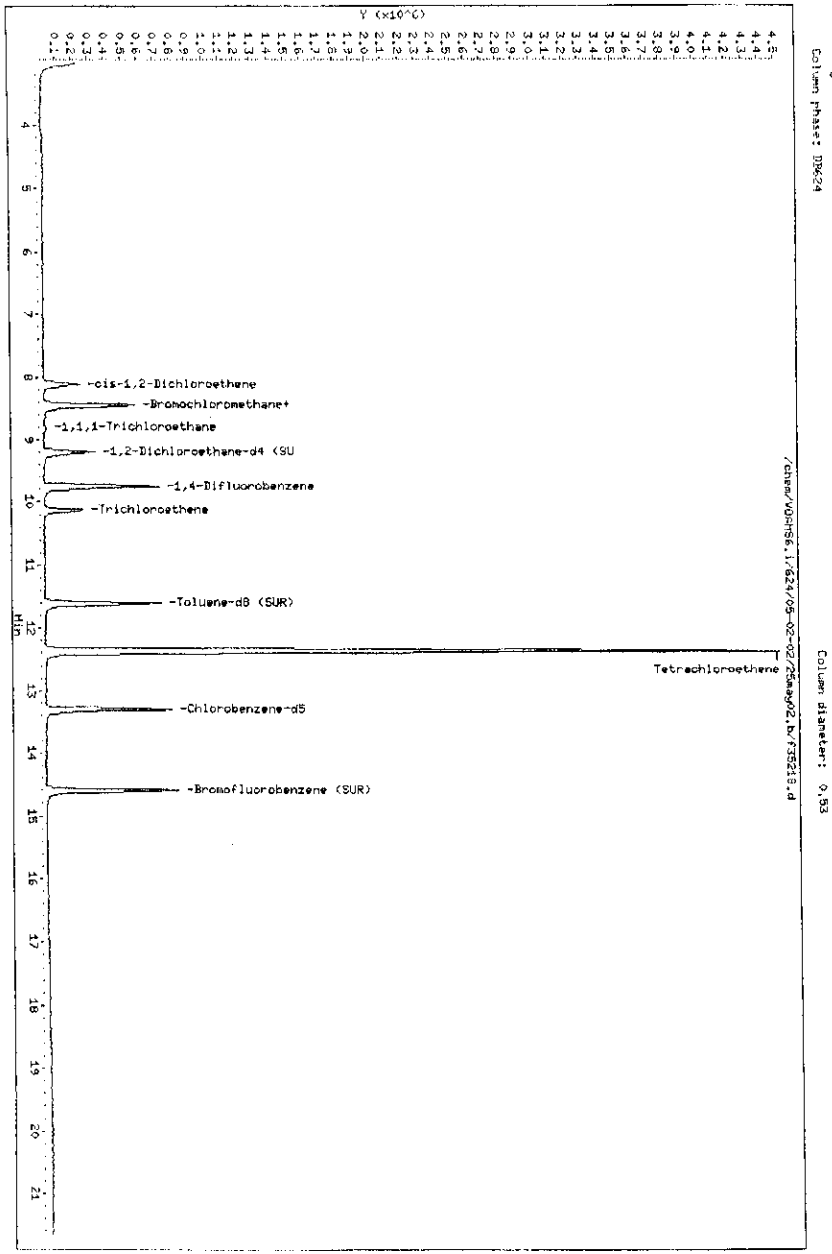
Data file : /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d
Lab Smp Id: 351579 Client Smp ID: GW-2
Inj Date : 25-MAY-2002 16:13
Operator : VOAMS 6 Inst ID: VOAMS6.i
Smp Info : 351579;5
Misc Info : W653;8259;;KLB
Comment :
Method : /chem/VOAMS6.i/624/05-02-02/25may02.b/624_02.m
Meth Date : 26-May-2002 13:58 riaz Quant Type: ISTD
Cal Date : 02-MAY-2002 19:12 Cal File: f34393.d
Als bottle: 7
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	13 cis-1,2-Dichloroethene	96	8.120	8.136	(0.961)	218796	15.4019	77
*	2 Bromochloromethane	128	8.447	8.463	(1.000)	379292	30.0000	
	15 Chloroform	83	8.537	8.553	(1.011)	14172	0.44038	2.2
	20 1,1,1-Trichloroethane	97	8.819	8.850	(1.044)	16412	0.59362	3.0
$	16 1,2-Dichloroethane-d4 (SUR)	104	9.192	9.223	(0.943)	72526	28.5449	28
*	19 1,4-Difluorobenzene	114	9.743	9.773	(1.000)	1251911	30.0000	
	25 Trichloroethene	95	10.130	10.146	(1.040)	155347	9.48984	47
$	37 Toluene-d8 (SUR)	98	11.604	11.620	(0.872)	904496	29.2374	29
	35 Tetrachloroethene	166	12.363	12.379	(0.929)	2865661	138.309	690
*	32 Chlorobenzene-d5	117	13.301	13.332	(1.000)	956785	30.0000	
$	41 Bromofluorobenzene (SUR)	174	14.596	14.612	(1.097)	519167	28.1044	28



Data File: /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d
Date : 25-MAY-2002 16:12
Client ID: GW-2
Sample Info: 35157915
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS6.i
Operator: VOAMS 6
Column diameter: 0.53

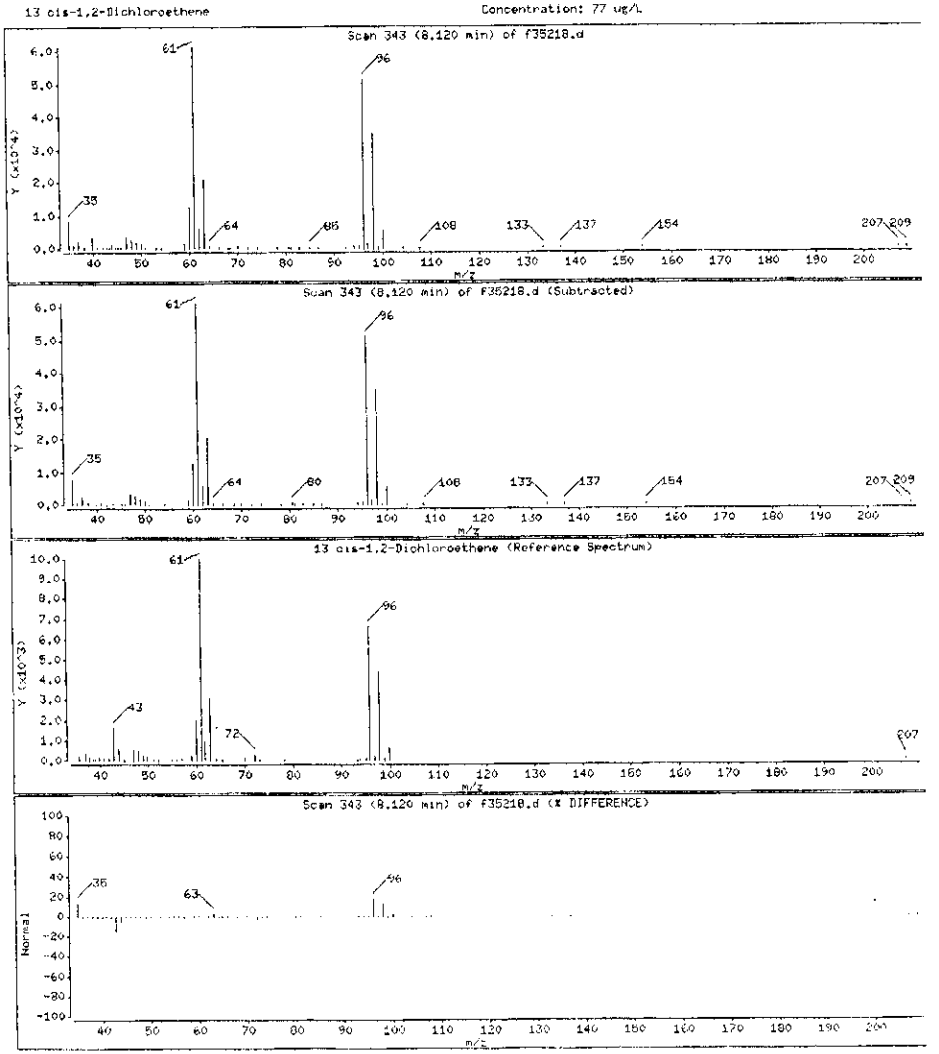
μA

/chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d

Data File: /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d
Date : 25-MAY-2002 16:13
Client ID: GW-2
Sample Info: 35157915
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS6.i
Operator: VOAMS 6
Column diameter: 0.53

13 cis-1,2-Dichloroethene
Concentration: 77 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d

Date : 25-MAY-2002 16:13

Client ID: GW-2

Instrument: VOAMS6.i

Sample Info: 361579;5

Purge Volume: 5.0

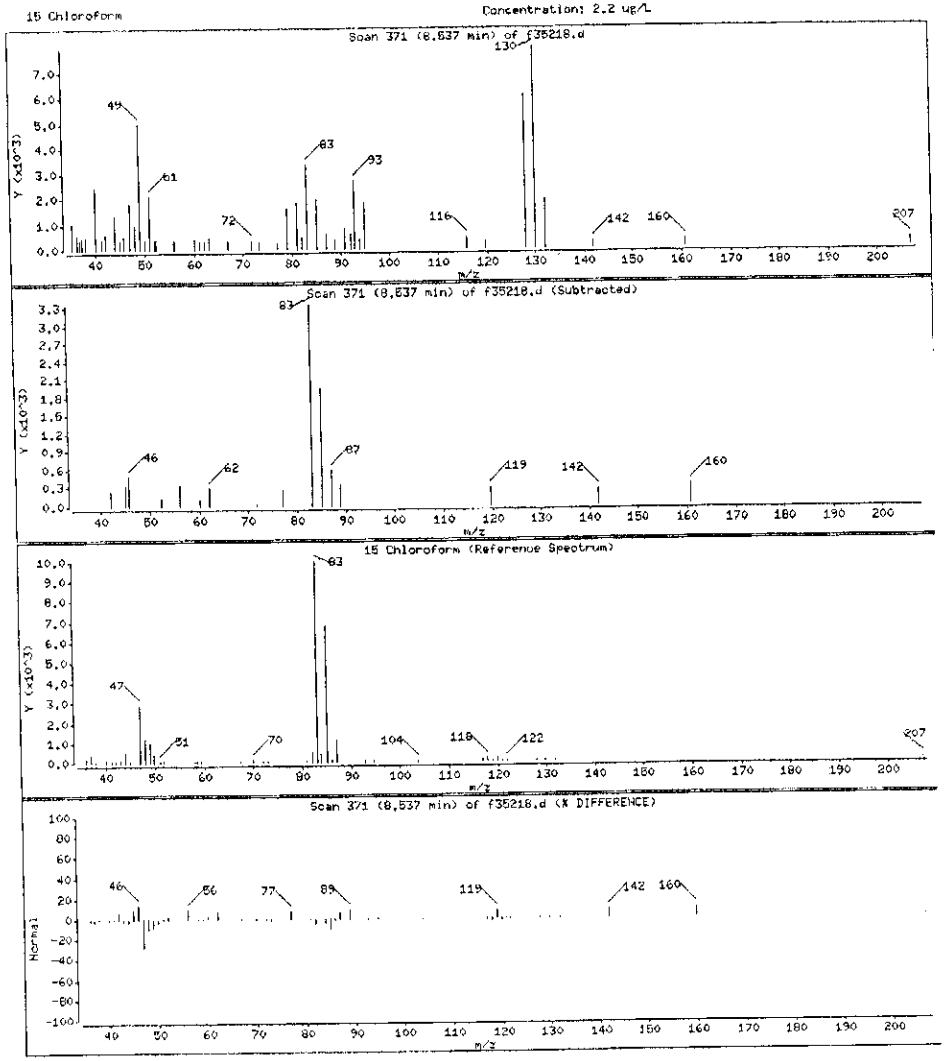
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

15 Chloroform

Concentration: 2.2 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/25may02.b/f35218.d

Date : 25-MAY-2002 16:13

Client ID: GW-2

Instrument: VOAMS6.i

Sample Info: 361579;5

Purge Volume: 5.0

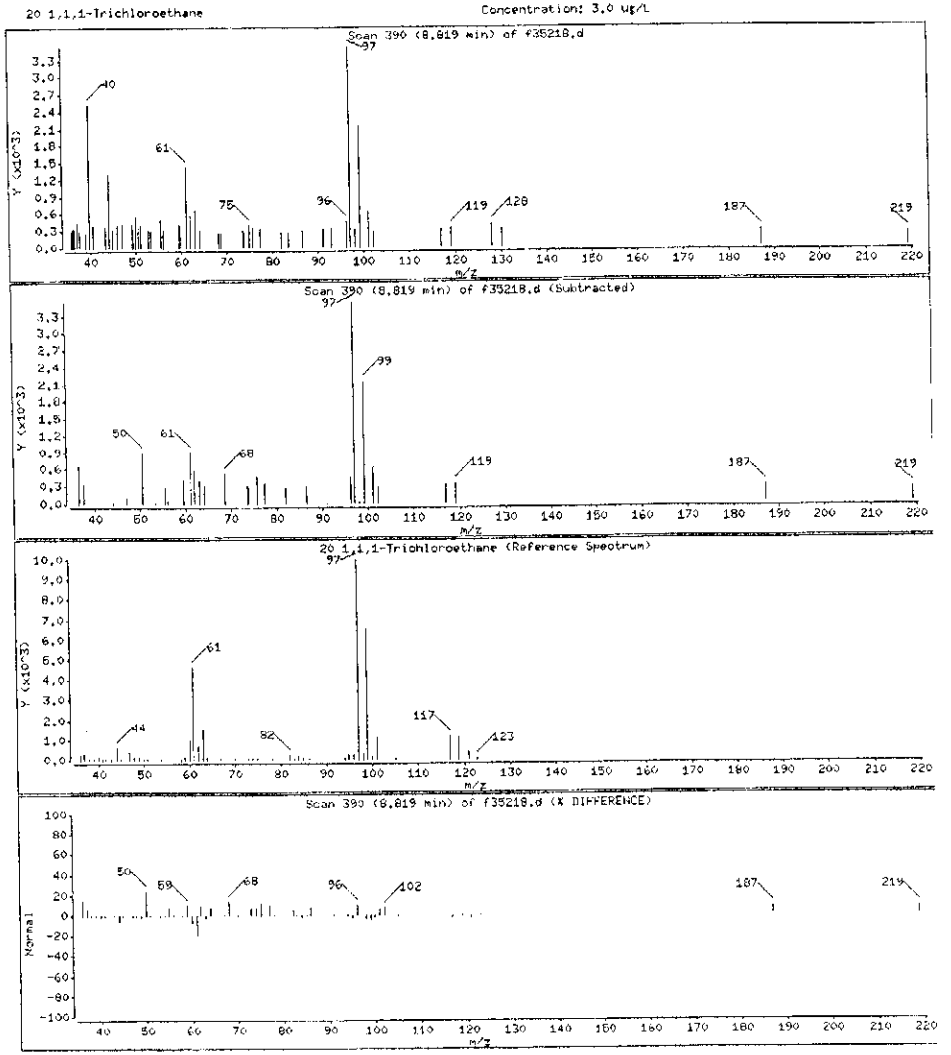
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

20 1,1,1-Trichloroethane

Concentration: 3.0 ug/L



Data File: /chem/VOAHS6.i/624/05-02-02/25may02.b/f35218.d

Date : 25-MAY-2002 16:13

Client ID: GW-2

Instrument: VOAHS6.i

Sample Info: 361579;5

Purge Volume: 5.0

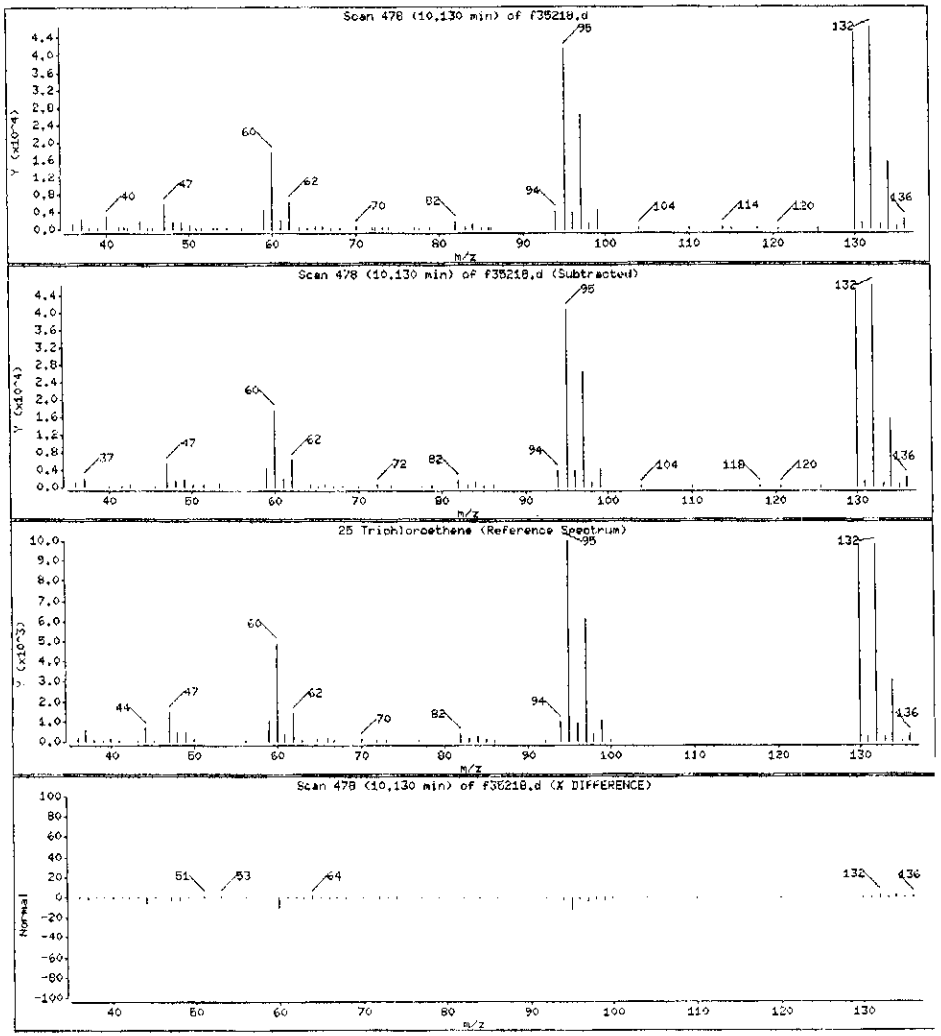
Operator: VOAHS 6

Column phase: DB624

Column diameter: 0.53

25 Trichloroethene

Concentration: 47 ug/L



Data File: /chem/VOAHS6.i/624/05-02-02/25may02.b/f35218.d

Date : 25-MAY-2002 16:13

Client ID: GW-2

Instrument: VOAHS6.i

Sample Info: 361579;5

Purge Volume: 5.0

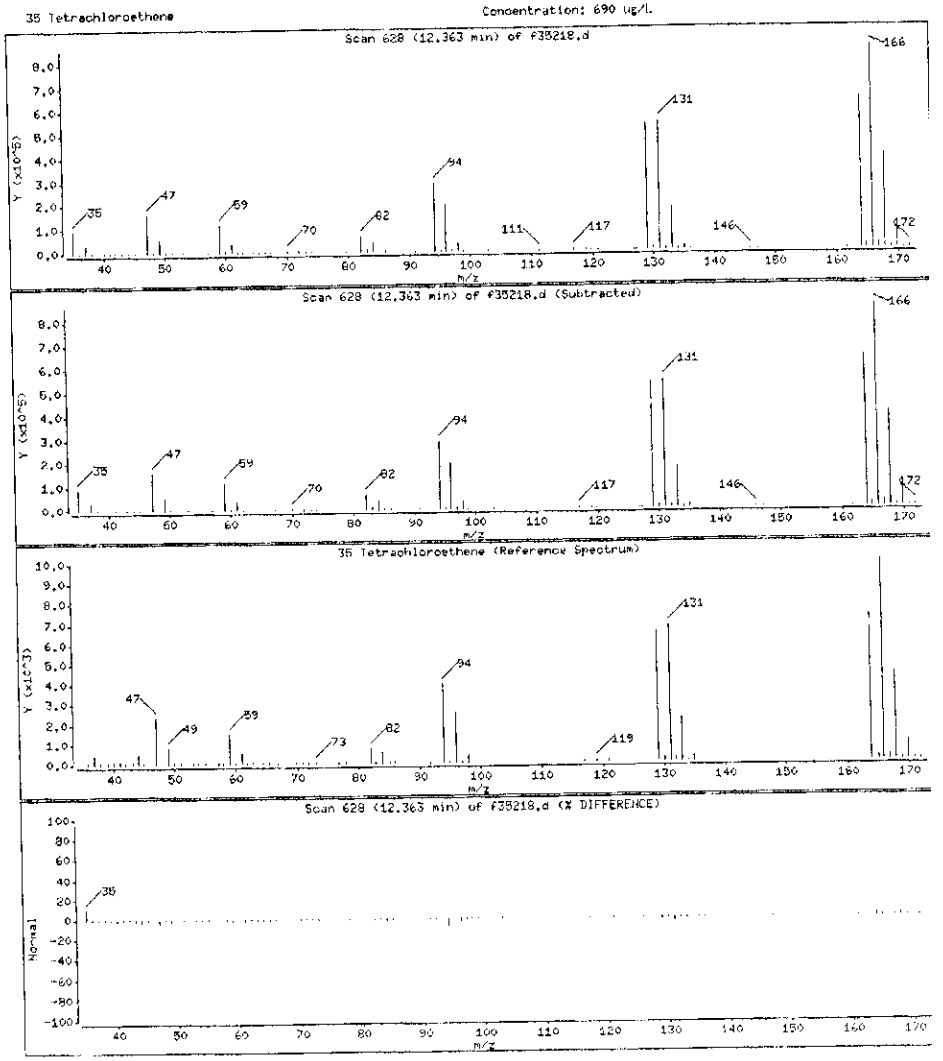
Operator: VOAHS 6

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 690 ug/L



Client ID: GW-3
Site: StarPlaza,Golderlan

Lab Sample No: 351580
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35183.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.5
Methylene Chloride	ND	0.9
Trichlorofluoromethane	ND	0.4
1,1-Dichloroethene	ND	0.3
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	1.2	0.2
cis-1,2-Dichloroethene	59	0.3
Chloroform	0.6	0.2
1,2-Dichloroethane	ND	0.4
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.4
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	4.7	0.1
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	57	0.2
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.2

Client ID: GW-3
Site: StarPlaza,Golderlan

Lab Sample No: 351580
Lab Job No: W653

Date Sampled: 05/21/02
Date Received: 05/22/02
Date Analyzed: 05/24/02
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f35183.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION: 0.0

Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d
Report Date: 28-May-2002 14:16

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d
Lab Smp Id: 351580 Client Smp ID: GW-3
Inj Date : 24-MAY-2002 18:37
Operator : VOAMS 6 Inst ID: VOAMS6.i
Smp Info : 351580
Misc Info : W653;8259;;KLB
Comment :
Method : /chem/VOAMS6.i/624/05-02-02/24may02.b/624_02.m
Meth Date : 25-May-2002 12:26 riaz Quant Type: ISTD
Cal Date : 02-MAY-2002 19:12 Cal File: f34393.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

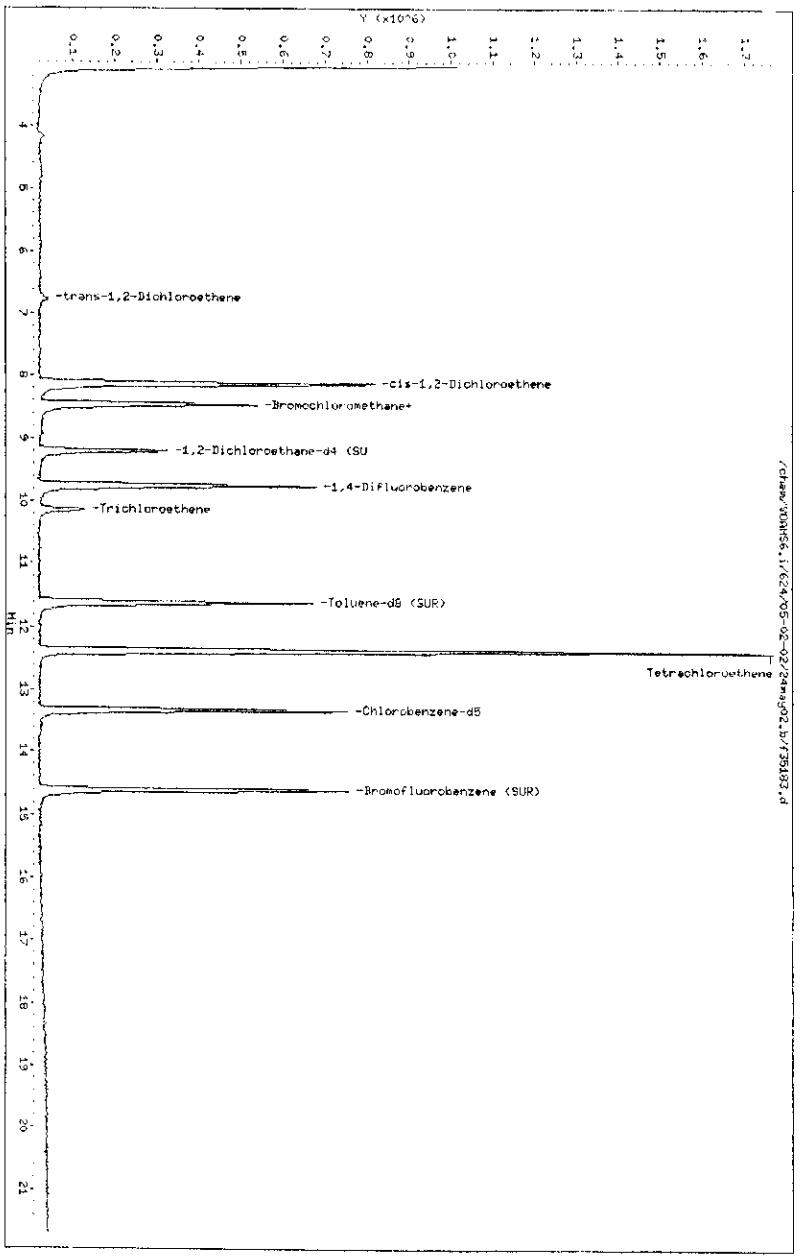
5/24/02

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	12 trans-1,2-Dichloroethene	96	6.764	6.703	(0.799)	16074	1.23456	1.2
	13 cis 1,2-Dichloroethene	96	8.134	8.103	(0.961)	788699	58.7659	59
*	2 Bromochloromethane	128	8.461	8.430	(1.000)	362882	30.0000	
	15 Chloroform	83	8.551	8.505	(1.011)	18617	0.60467	0.60
$	16 1,2-Dichloroethane-d4 (SUR)	104	9.206	9.189	(0.944)	71394	29.6539	30
*	19 1,4 Difluorobenzene	114	9.757	9.740	(1.000)	1186284	30.0000	
	25 Trichloroethene	95	10.144	10.127	(1.040)	72952	4.70303	4.7
$	37 Toluene-d8 (SUR)	98	11.618	11.616	(0.873)	856301	29.1877	29
	35 Tetrachloroethene	166	12.377	12.376	(0.930)	1119924	56.9934	57
*	32 Chlorobenzene-d5	117	13.315	13.314	(1.000)	907345	30.0000	
$	41 Bromofluorobenzene (SUR)	174	14.610	14.609	(1.097)	481709	27.4975	27



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d

Date : 24-MAY-2002 18:37

Client ID: GW-3

Instrument: VOAMS6.i

Sample Info: 351580

Purge Volume: 5.0

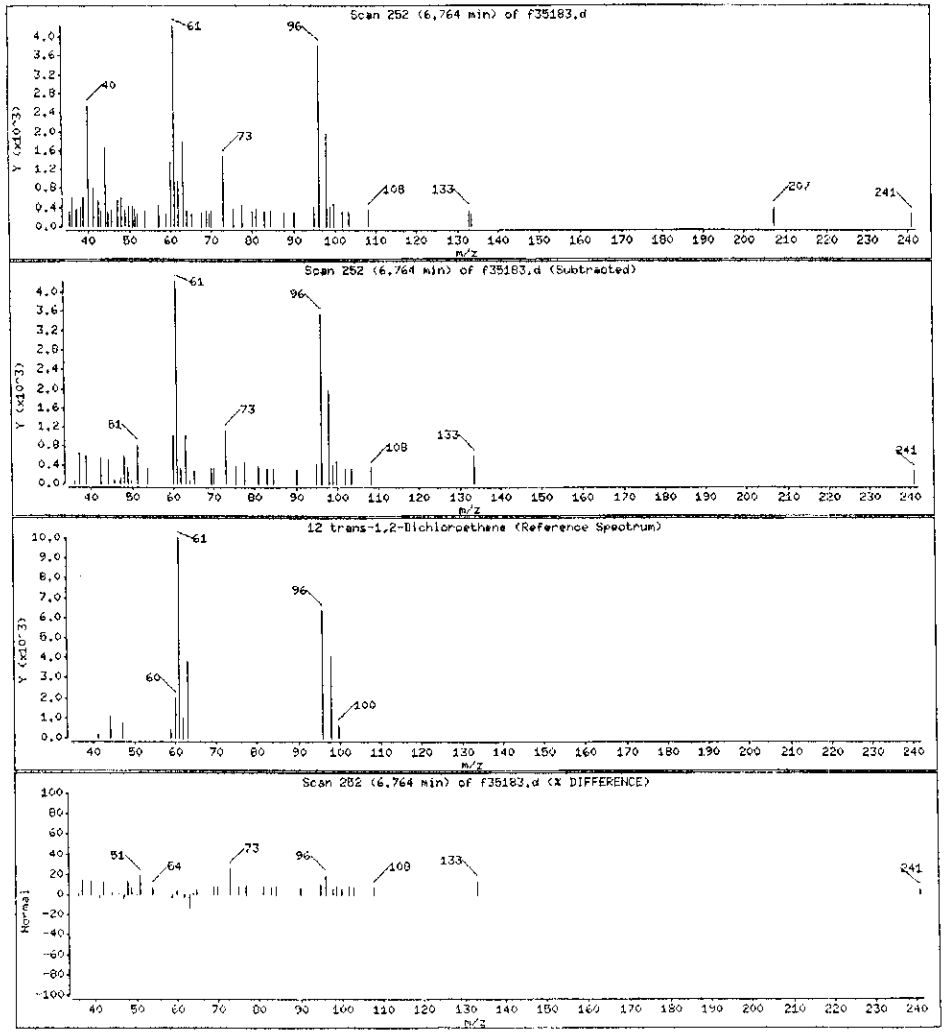
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

12 trans-1,2-Dichloroethene

Concentration: 1.2 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d

Date : 24-MAY-2002 19:37

Client ID: GW-3

Instrument: VOAMS6.i

Sample Info: 351580

Purge Volume: 5.0

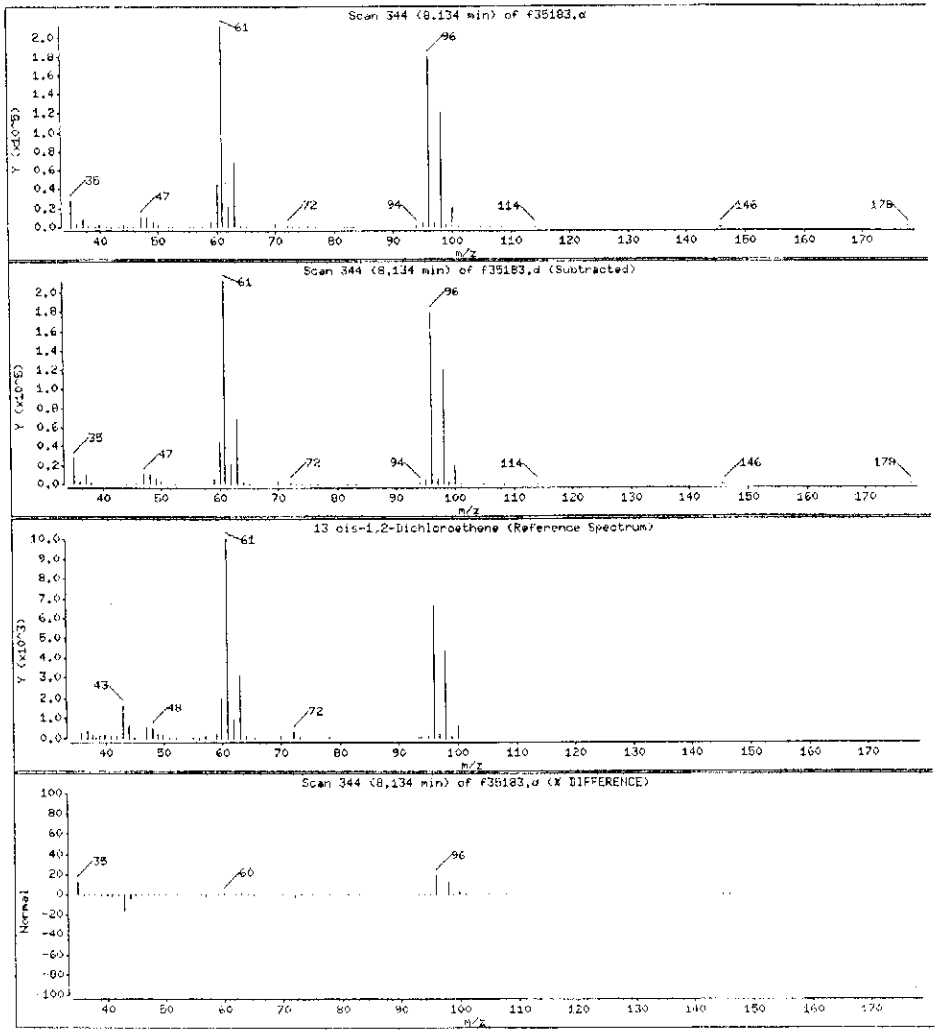
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

13 cis-1,2-Dichloroethene

Concentration: 59 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d

Date : 24-MAY-2002 18:37

Client ID: GW-3

Instrument: VOAMS6.i

Sample Info: 351580

Purge Volume: 5.0

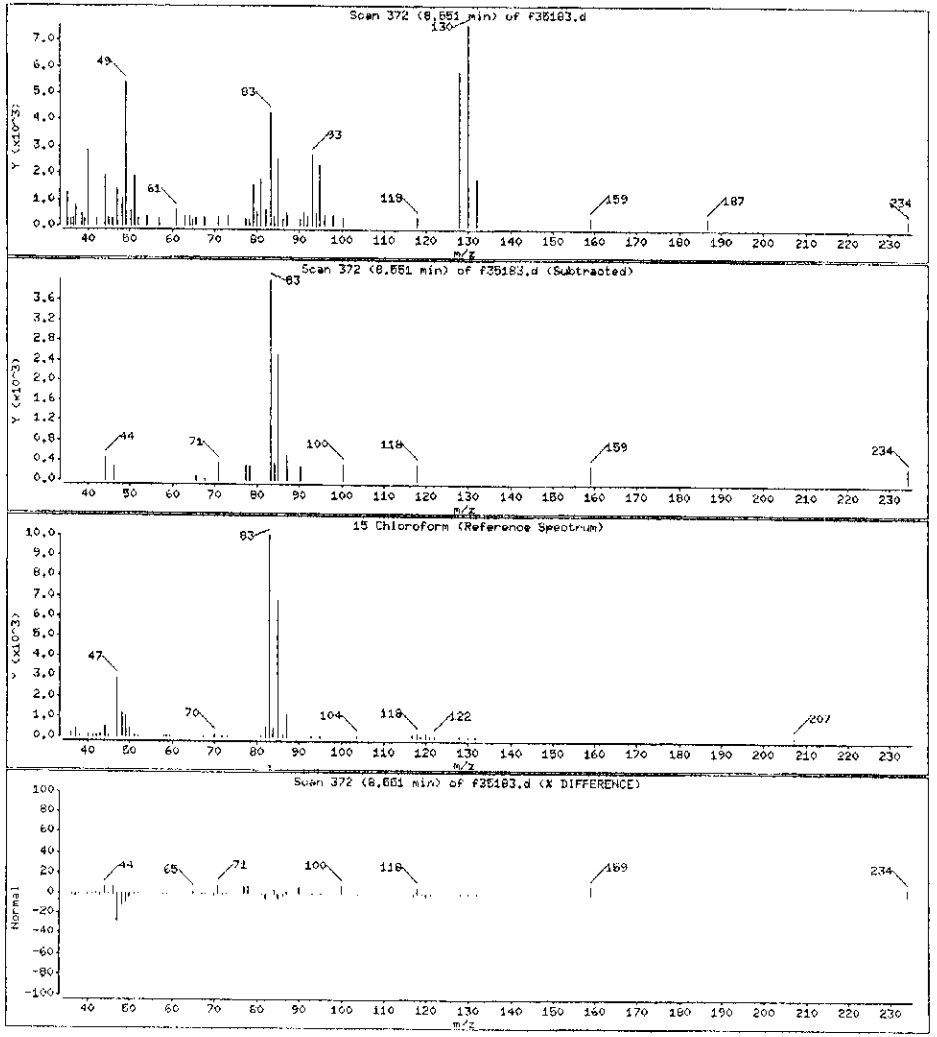
Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

15 Chloroform

Concentration: 0.60 ug/L



Data File: /chem/VOAMS6.i/624/05-02-02/24may02.b/f35183.d

Date : 24-MAY-2002 18:37

Client ID: GW-3

Instrument: VOAMS6.i

Sample Info: 351580

Purge Volume: 5.0

Operator: VOAMS 6

Column phase: DB624

Column diameter: 0.53

25 Trichloroethene

Concentration: 4.7 ug/L