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Groundwater
& Environmental Services, Inc.

A Full Service Environmental Consulting
and Remedial Contracting Company

BOOK 1 OF 2

REMEDIAL INVESTIGATION ADDENDUM REPORT

Fleet National Bank (Formerly White Swan Dry Cleaners)

1322 Sea Girt Avenue

Wall Township (Monmouth County), New Jersey

April 2, 2002

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ABBREVIATIONS AND SYMBOLS

AGS	Advanced Geological Services
APV	Allstate Power Vac
BEMQA	Bureau of Environmental Management and Quality Assurance
bgs	below grade surface
BWA	Bureau of Water Allocation (NJDEP)
°C	degrees Celsius
CFR	Code of federal regulations
DCE	dichloroethene
DNAPL	dense non-aqueous phase liquid
et seq.	and the following
FID	flame ionization detector
FNB	Fleet National Bank
GES	Groundwater & Environmental Services, Inc.
gpm	gallons per minute
GPR	ground penetrating radar
GWQS	ground water quality standards
HASP	health and safety plan
HCl	hydrochloric acid
kg	kilogram
L	liter
LEG	Lewis Environmental Group
MCHD	Monmouth County Health Department
MCL	maximum contaminant level
MDL	method detection limit
mg	milligram
mL	milliliter
MOA	Memorandum of Agreement

ABBREVIATIONS AND SYMBOLS (continued)

MTBE	methyl *tert*-butyl ether
MW	monitoring well
ND	non-detect
NJAC	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
NJDHSS	New Jersey Department of Health and Senior Services
NJWSA	New Jersey Water Supply Authority
OVA	organic vapor analyzer
P	piping
PA/SI	preliminary assessment and site investigation
PCE	perchloroethylene (tetrachloroethene)
pH	-logarithm$_{10}$ hydrogen ion activity (concentration)
PID	photoionization detector
ppb	parts per billion
ppm	parts per million
PVC	polyvinyl chloride
RCRA	Resource Conservation Recovery Act
RIAR	Remedial Investigation Addendum Report
SE	soil excavation
SIR	Site Investigation Report
TBA	*tert*-butyl alcohol
TCE	trichloroethene
TCLP	toxic characteristic leaching procedure
TDEM	time-domain electromagnetic
TICs	tentatively identified compounds
ug	microgram
USEPA	United States Environmental Protection Agency

ABBREVIATIONS AND SYMBOLS (continued)

USGS	United States Geological Survey
VOC	volatile organic compound

1.0 INTRODUCTION

Groundwater & Environmental Services, Inc. (GES), New Jersey Department of Environmental Protection (NJDEP) certification number 0100139, was retained by Fleet National Bank (FNB), formerly Summit Bank, to continue the environmental investigation at 1322 Sea Girt Avenue, Wall Township, Monmouth County, New Jersey (hereafter referred to as "subject property"). After confirming the existence of a seepage tank system at the rear of the subject property, GES observed and documented the dismantling and removal of this structure and collected soil samples for laboratory analysis. The subject property is depicted on the United States Geological Survey (USGS) 7.5-minute Asbury Park, New Jersey quadrangle map (Figure 1). A Site Plan showing relevant features is provided as Figure 2.

A GES Project Hydrogeologist-NJDEP certified subsurface evaluator (License number 0011126) supervised, observed, and documented the excavation activities and collected post-excavation soil samples. All excavation and sampling activities were conducted in accordance with NJDEP *Technical Requirements for Site Remediation* [New Jersey Administrative Code (NJAC) 7:26E *et seq.*] and the May *1992 NJDEP Field Sampling Procedures Manual.* Excavation activities were completed by Lewis Environmental Group (LEG) of Royerstown, Pennsylvania.

The environmental investigation included the preparation of this *Remedial Investigation Addendum Report* (RIAR). This RIAR is based on information obtained during GES' remedial investigation and remedial actions which were conducted in accordance with NJAC 7:26E. Activities conducted after the *Septic Tank Excavation and Groundwater Report* was submitted to the NJDEP include the following:

- Performance of a geophysical subsurface survey of the subject property to locate, delineate, and plot any anomalies (e.g. backfilled areas, voids, metal objects, tanks, etc.) which may be indicative of a former septic tank system alleged to be present by the NJDEP;
- Investigate anomalies identified by geophysical survey by excavating these areas;

- Disposal of approximately 820 tons of soil on hazardous waste manifests and approximately 1,800 pounds of soil on non-hazardous waste manifests
- Collection of 17 post-remedial soil samples for laboratory analysis;
- Installation and development of one deep groundwater monitoring well (MW3D) on-site;
- Installation and development of one shallow groundwater monitoring well (MW7) off-site;
- Survey MW3D and MW7 for location and elevation;
- One complete round of groundwater monitoring and sampling at all eight monitoring wells;
- Completion of a well search utilizing NJDEP records; and
- Preparation of this RIAR, including but not limited to, information obtained from the aforementioned bulleted activities.

2.0 HEALTH AND SAFETY

Pursuant to GES policies and procedures and NJAC 7:26E-1.9, a site-specific Health and Safety Plan (HASP) was prepared for all GES personnel involved in field investigative activities. The HASP is available upon written request. The HASP outlines the required air monitoring equipment, protective clothing, chemical action levels, chemical exposure limits, anticipated contaminants, site control, and emergency procedures employed at the subject property. All field activities were conducted in level "D" protection. Air monitoring of the breathing zone was conducted using a portable, hand-held, calibrated photoionization detector (PID) or organic vapor analyzer (OVA) equipped with a 10.2-electron volt lamp. All GES field personnel are trained and certified according to the United States Department of Labor's, Federal Occupational Safety and Health Administration's Safety and Health Standards pursuant to 29 Code of Federal Regulations (CFR) 1910 and 1926 (1989).

3.0 PHYSICAL SETTING

3.1 Site Location and Description

The subject property is at 1322 Sea Girt Avenue in the Blansingburg section of Wall Township, Monmouth County, New Jersey. The subject property is in an area of the township zoned for commercial use. According to township tax records, the subject property is designated as Block 706, Lot 2. The property is trapezoidal in shape and occupies approximately 0.47-acres or 20,600 feet^2.

The subject property is depicted on the United States Geological Survey (USGS) 7.5-minute Asbury Park, New Jersey quadrangle map (Figure 1). This figure shows the subject property, local topography, surface water drainage patterns, and other topographic features. The subject property is located at approximately 40° 08' North latitude and 74° 03' West longitude.

Site features include a single story masonry building currently occupied by a bank branch containing an office, private restrooms, and customer service area. The subject property is paved with asphalt, with the exception of the areas bordering the property boundary and adjacent to Sea Girt Avenue.

The subject property is currently serviced by township drinking water and sanitary sewer service. The subject property utilizes natural gas to fuel the heating system. Overhead electricic lines and subsurface telephone line(s) access the subject property from Sea Girt Avenue. The nearest storm water catch basin is downslope of the subject property approximately 800 feet southeast on Sea Girt Avenue. There are no known underground storage tanks at the property. A scaled Site Plan depicting the property boundaries, on-site utilities, and other site features is included as Figure 2.

As reported in GES' December 22, 2000 *Site Investigation Report* (SIR), previously submitted to the NJDEP, a scaled proposed site plan was prepared on behalf of Ocean County National Bank by Walter J. Partington, Inc., a licensed land surveyor from Spring Lake Heights and Point Pleasant Beach, New Jersey on or about September 27, 1983. A portion of this site plan is provided in Appendix 10 of the SIR. Although this site plan is not an as-built drawing, it does replicate most of the features as they exist today. Current structures and features existing on the subject property as shown on the site plan include: the one-story masonry building, parking spaces (designated P.S.) in front and rear of the building, property curbs, grassy island, traffic flow patterns, vegetation (shrubbery, trees, grass), location of the air conditioning units (designated "a.c."), concrete (designated "conc.") pad and walkway. It should be noted that two features, designated "S.T." and "S.P." on the site plan, are shown at the rear of the building. Both abbreviations are not defined or described on the site plan. Because the subject property utilized a septic tank, prior to hooking-up to the sanitary sewer system on or about October 1985, it is likely the abbreviation "S.T." refers to the location of the septic tank. GES is not aware of any documentation regarding construction details of the septic tank, particularly the presence and location(s) of the leach field, laterals, etc. Because this information is unknown, it is reasonable to suggest the abbreviation "S.P." on the site plan refers to a seepage pit. The presence of the septic tank and seepage pit were confirmed during excavation activities conducted on-site. Results of excavation activities are described in GES' *Septic Tank Excavation & Groundwater Sampling Report* which was submitted to the NJDEP on August 9, 2001.

3.2 Topography and Land Use

According to the USGS 7.5-minute (Asbury Park, New Jersey) quadrangle map, the subject property elevation is approximately 50 feet above mean sea level. The property is surrounded by a variety of commercial and business establishments. The subject property is bordered by Sea Girt Avenue towards the southwest, a retail Gulf service station towards the west-northwest, a hotel towards the north-northeast, and a Cumberland Farms convenience store towards east-

southeast. A Local Area Map showing the subject property and surrounding properties is presented as Figure 3.

3.3 Surface Water Bodies

According to NJAC 7:9B-1.15 (Surface Water Quality Standards), the subject property is within the Manasquan River Watershed System. The nearest surface water body is Judas Creek approximately 700 feet south of the subject property (Figure 1). Judas Creek flows toward the southeast about 6,000 feet before it discharges to Stockton Lake. According to the New Jersey Surface Water Quality Standards (NJAC 7:9B *et seq.*), Judas Creek is classified as FW2-NT/SE1 (freshwater, non-trout producing surface water body). Additional surface water bodies within a one-mile radius of the subject property include Hannabrand Brook 1,900 feet to the north and Wreck Pond Brook which discharges to Old Mill Pond 3,700 feet to the northeast. Designated uses of these waters include the following: swimming, secondary-contact recreation, maintenance and propagation of natural biota, industrial and agricultural water supply, public water supply following treatment, shellfish harvesting, and other reasonable uses. All the surface water bodies eventually discharge into the Atlantic Ocean towards the east.

3.4 Regional Geology

The site is located within the outer fringe of the Atlantic Coastal Plain Physiographic Province, of New Jersey, approximately 18 miles south of Raritan Bay. This province is characterized by a wedge-shaped mass of unconsolidated to semi-consolidated marine, marginal marine, and non-marine deposits of clay, silt, sand, and gravel. These sediments range in age from Cretaceous to Holocene and lie unconformably on pre-Cretaceous bedrock consisting of metamorphic schists and gneiss, with local occurrences of basalts, sandstone and shale (Zapecza, 1984). These sediments trend northeast-southwest and dip southeast toward the Atlantic Ocean. These sediments thicken southeastward from the Piedmont-Coastal Plain Province boundary to approximately 4,500 feet near Atlantic City, New Jersey. During the Cretaceous and Tertiary time period, sediments were

deposited alternately in flood plains and in marine environments during sea transgression and sea regression periods.

According to Zapecza (1984) and the New Jersey Geological Survey (Geologic Overlay for Topographic Atlas Sheet Number 29), the Tertiary-aged Kirkwood and Cohansey Formations, respectively outcrop in the area of the site. The lithology of the Kirkwood Formation is variable. Along the coast, thick clay beds are dominant with interbedded zones or lenses of sand and gravel. Updip from the coast (towards then west), the Kirkwood is characterized by white to orange-brown to gray, fine to medium sand and silty sand. Regionally, thick clay beds occur only in the basal part of the formation.

Overlying the Kirkwood Formation is the Cohansey Formation. The lithology of the Cohansey Formation is similar to the Kirkwood Formation. Because both formations are similar in lithology, it may not be possible to distinguish them apart. Generally, the Cohansey Formation is coarser-grained than the Kirkwood Formation. It is predominantly a light-colored quartz sand containing minor amounts of pebbly sand, fine to coarse-grained sand, silty and clayey sand, and interbedded clay (Rhodehamel, 1973). Thick clay beds may be present in localized areas.

It is estimated the contact between Kirkwood and Cohansey Formations in the area of the subject property is approximately 20 feet below grade (Zapecza, 1984, Plate 23).

3.5 Site Geology

Based on soil borings logged by a GES Hydrogeologist, site geology, to an approximate depth of 60 feet below grade surface (bgs), is composed of unconsolidated orange to orange-brown to brown medium to fine quartz sand with varying amounts of well sorted gravels and pebbles with minor amounts of silts and clays. Bedrock was not encountered during the investigation, however, a confining unit (grayish-black silty clay) was identified approximately 62 feet bgs on-site. According to the Sugarman and Owens (1994), this basal clay layer separates the overlying

Kirkwood Formation from the underlying Shark River Formation. Based on their data, GES estimates this clay layer is approximately 55 feet in thickness.

Two geologic formations were interpreted at the subject property. Based on lithology encountered during previous soil borings and monitoring well installation, the Cohansey Formation outcrops at the subject property, is approximately 25 feet thick, and overlies the Kirkwood Formation. According to various reports prepared by the New Jersey Geological Survey, the Kirkwood Formation overlies the Shark River, Wenonah and Mt. Laurel Sand, Englishtown Formation, and the Raritan-Magothy Formation.

3.6 Site Hydrogeology

Groundwater recharge to this area is primarily from precipitation infiltrating uncapped or exposed areas (outcrops). Nearby surface water bodies, such as Judas Creek to the east and Hannabrand Brook to the north, may rise and fall throughout the seasons. If surface water levels are below ground water table levels, ground water may discharge to the surface water body. Conversely, if the surface water levels are above the water table, surface water may recharge the water table. Groundwater at the subject property occurs under unconfined (water table) conditions.

The permeability of the shallow water-bearing zone, based on subsurface lithology and field observations during monitoring well purging activities, is moderate. This appears consistent with the reported hydraulic conductivity of 102.23 feet per day for the Kirkwood-Cohansey Aquifer system.

In this area, ground water is classified as Class-II-A. According to NJAC 7:9-6.5(e)1, "The promaru designated use for Class II-A ground water shall be potable water and conversion (through conventional water supply treatment, mixing or other similar technique) to potable water. Class II-A secondary uses include agricultural water and industrial water.

4.0 BACKGROUND

On August 4, 1997, the Monmouth County Health Department (MCHD) was notified by a township resident of Magnolia Avenue, two blocks northeast of Sea Girt Avenue, that ground water samples obtained in 1990 from neighborhood irrigation wells contained the solvent PCE at concentrations up to 1,546 parts per billion (ppb).

On August 15, 1997, MCHD collected ground water samples from five irrigation wells, including the well containing 1,546 ppb PCE. The MCHD discovered four of the five irrigation wells contained PCE above the United States Environmental Protection Agency (USEPA) Maximum Contaminant Level (MCL) for drinking water of 1 ppb. The highest concentration of PCE detected was 595 ppb. The MCHD also reported lower concentrations of TCE - a biodegradation product of PCE - that exceeded its MCL of 1 ppb and methyl *tertiary*-butyl ether (MTBE) - a gasoline additive - that did not exceed its MCL of 70 ppb. The MCHD notified the residents whom wells were sampled and the NJDEP hotline. The MCHD consulted with the USEPA, NJDEP, and the New Jersey Department of Health and Senior Services (NJDHSS).

According to the MCHD, the USEPA provided a map based on their groundwater modeling for the Waldick Aerospace Superfund site, Route 35 in the township, north of Magnolia Lane. Their documentation from their modeling and their monitoring well sampling data indicates the groundwater plume from Waldick is impacting the Kirkwood-Cohansey aquifer system in the Magnolia Lane area. The Kirkwood-Cohansey is the water table aquifer for this area and is about 120 feet deep. During their investigation of the Waldick site, they found no indication of any illegal off-site waste dumping from the Waldick site in the Magnolia area either on the ground or into septic systems.

The MCHD reported this area is serviced by municipal water and only irrigation wells were effected. Therefore, this case did not meet the NJDEP's criteria for an Immediate Environmental Concern. Therefore, funding from the New Jersey Spill Act would not be available for installing

monitoring wells and remediation (unlike irrigation wells, monitoring wells are accessible year round for sampling). The NJDHSS advised the MCHD that although the PCE exceeded the drinking water standard of 1 ppb, their risk assessment literature indicated that groundwater with levels found here could still be used for lawns and gardens but could not be used for drinking.

In November 1998, the MCHD collected ground water samples from 28 additional irrigation wells. The MCHD reported the contaminant plume containing various volatile organic compounds (VOCs) was delineated north at Chicago Avenue to south of Sea Girt Avenue to Macs Pond Brook, and from Route 35 east to Route 71. Ground water analytical results revealed VOC concentrations ranging from non-detect (ND) to 1,068 ppb for PCE. Additional VOCs and their respective concentrations ranges included TCE (ND to 6.4 ppb), *cis*-1,2-dichloroethene [(*cis*-DCE), ND to 10.5 ppb], halogenated methanes (ND to 44.9 ppb), xylenes (ND to 5.9 ppb), and MTBE (ND to 12 ppb).

In 1999, the NJDEP - Bureau of Environmental Mangagement and Quality Assurance (BEMQA) and MCHD began a joint study to determine the extent of PCE in ground water in Wall Township and the neigboring boroughs of Manasquan and Sea Girt. Moreover, the study was completed to evaluate the risk to Sea Girt's municipal supply wells. The ground water study included sampling additional irrigation wells, sampling surface water at Wreck Pond in Sea Girt and Spring Lake Heights, and monthly sampling of Sea Girt's municipal wells. According to the NJDEP, a contamination plume extends from Wall Township into Manasquan and Sea Girt boroughs. No contamination was detected in Sea Girt's municipal wells indicating these wells withdraw water from a deeper aquifer not affected by the contamination. However, some PCE was detected in water samples collected from Wreck Pond. Currently, the NJDEP is conducting a preliminary assessment and site investigation (PA/SI) to identify the source(s) of ground water contamination. The NJDEP is expected to complete the PA/SI and report its findings in a report this year.

As discussed previously, the NJDEP - BEMQA conducted an investigation at the subject property from September 30, 1999 to January 31, 2000. A copy of the June 6, 2000 report containing analytical results and approximate sample locations was included in GES' *Site Investigation Report* dated December 22, 2000.

On June 6, 2000, the NJDEP forwarded analytical results of ground water, soil, and soil gas samples collected from the subject property. The NJDEP stated the sample results indicate a source of tetrachloroethene (also known as perchloroethylene or PCE) and trichloroethene (TCE) originating from the subject property, formerly known as White Swan Cleaning & Laundry, Inc. An environmental investigation by GES was initiated in response to the NJDEP's findings. Site investigative activities, conducted from August 2000 through November 2000, included but was not limited to, the following:

- Review of federal, county, and local government agency environmental records;
- Collection of soil samples for laboratory analysis;
- Installation and development of six (MW1 through MW6) , 4-inch diameter monitoring wells
- Installation and development of four, 1-inch diameter, temporary monitoring well points
- Survey of monitoring wells to a reference elevation;
- Collection of groundwater samples for laboratory analysis; and
- Preparation of a *Site Investigation Report.*

In February 2001, GES confirmed the existence of one settling (septic) tank and one seepage pit identified during the initial site investigation. In addition, groundwater samples collected from on-site monitoring wells identified the presence of chlorinated hydrocarbon concentrations above the NJDEP Ground Water Quality Standards (GWQS). As a result, Summit GES continued the environmental investigation at the subject property. Investigative activities conducted from February 2001 through June 2001 included, but were not limited to, completion of the following:

- Pump out liquid from settling tank and dispose on hazardous waste manifest;
- Dismantling settling tank and seepage pit;
- Collect test pit soil samples and post-excavation soil samples near the septic tank and settling tank;
- Disposal of approximately 20 tons of soil on hazardous waste manifests;
- Collection of post-excavation soil samples for laboratory analysis;
- One round of groundwater monitoring and sampling; and
- Preparation of a *Remedial Investigation Report.*

On February 28, 2001, FNB and NJDEP entered into a Memorandum of Agreement (MOA) under the NJDEP Voluntary Cleanup Program for remedial activities at the subject property. In NJDEP correspondence dated January 9, 2002, oversight of the case was transferred to the USEPA - Region 2. Therefore, the MOA between the NJDEP and FNB was terminated on this date. FNB was instructed to forward all future correspondence and documents to the USEPA.

5.0 INVESTIGATIVE METHODS AND FINDINGS

5.1 Local Water Supply

According to the NJDEP's *1991-92 Annual Fee Report and Assessment of Fees* (1992), 7.6% of township residents utilize domestic wells as a source of the water supply (NJDEP, 1990). The percentage of township residents reliant on domestic wells as a source of potable water was based on 1980 census data.

Municipal water is supplied by Wall Township Municipal Utilities Authority from eight wells. In addition, the township purchases water from the New Jersey Water Supply Authority (NJWSA). The township's wells are between 460 and 730 feet deep and withdrawal water from the Mount Laurel and Englishtown aquifers. Water from the NJWSA is drawn from the 3+ billion gallon Manasquan Reservoir in Howell Township and treated at the NJWSA facility on Hospital Road in the township. In addition, the Manasquan Water Treatment Plant now provides 60% of the potable water consumed by the communities of Brielle, Sea Girt, Spring Lake, Spring Lake Heights, and Wall Township.

5.2 Well Search

In correspondence dated October 23, 2001, the NJDEP required FNB to provide a detailed map showing all municipal supply wells within a 2-mile radius of the subject property. The NJDEP also required the location, depth, pumping rate and status of each well.

On December 13, 2001, GES submitted a written request to the NJDEP, Bureau of Water Allocation (BWA) to complete a search of all available municipal public supply wells within a 5-mile radius of the subject property. Additionally, GES requested a manual search of NJDEP well records for all permitted wells within a one mile radius of the subject property. The NJDEP completed the requested well search on January 26, 2002.

According to NJDEP-BWA well records, two public supply wells are within a one-mile radius of the site. One public supply well is in Manasquan near Mac's Pond. This well is approximately 3,200 feet south-southeast of the subject property and has a reported depth and pumping rate of 114 feet and 150 gallons per minute (gpm), respectively. The second public supply well is owned by Richard Bahadurian/Valley Park. This well is approximately 4,200 feet north-northeast of the subject property and has a reported depth of 100 feet and a pumping rate of 22 gpm.

Five domestic wells, two domestic or irrigation wells, three industrial wells, 31 irrigation wells, and 17 monitoring wells are within a one mile radius of the subject property. It is not known if the seven domestic wells are utilized for drinking or for irrigation use. A summary of well information according to NJDEP-BWA file records is presented on Table 1. Wells with confirmable addresses within a one-half mile radius of the subject property are presented on Figure 4. Copies of NJDEP-BWA well records and computerized data base search are provided as Appendix 1.

5.3 Utilities

At least three but no more than 10 business days (excluding holidays) prior to initiating excavation and drilling activities described in this report, subsurface utility clearances were obtained by LEG and GES in accordance with the Underground Facility Protection Act (NJSA 48:2-73 *et seq.*). Public and private utility companies servicing the area were contacted through the New Jersey One Call toll free number (1-800-272-1000) to provide (mark out) utility line locations. The township of Wall (water, sanitary sewer, storm sewer), Cablevision (cable television), Sprint (telephone), MCI World Communication (telephone), Verizon (telephone), New Jersey-American Water Company (public drinking water), New Jersey Natural Gas (natural gas), and General Public Utilitity Energy (electric) were notified prior to excavation activities at the subject property. Where necessary, underground utilities were field verified by GES personnel for all sampling locations.

The subject property is currently serviced by township drinking water and sanitary sewer service. The subject property utilizes natural gas to fuel the heating system. Overhead electric lines and subsurface telephone line(s), water line, and sanitary sewer line access the subject property from Sea Girt Avenue. No storm drains were observed on the property nor in the immediate vicinity of the subject property on Sea Girt Avenue. Storm water runoff is collected via storm sewer inlets towards the southeast on Sea Girt Avenue. A scaled Site Plan depicting the property boundaries, on-site utilities, and other site features is included as Figure 2.

5.4 Geophysical Survey

GES contracted Advanced Geological Services (AGS) of Malvern, Pennsylvania to perform a geophysical subsurface survey of the entire subject property. AGS utilized time-domain electromagnetic (TDEM) and digital ground penetrating radar (GPR) to locate, delineate, and plot any anomalies (e.g. backfilled areas, voids, metal objects, tanks, etc.) which may be indicative of a former septic tank or dry well system reportedly on-site when White Swan Dry Cleaners owned and operated the subject property. The geophysical survey was completed on November 12, 2001.

Results of the geophysical survey are presented in AGS' *Results of Geophysical Surveying* letter report dated November 28, 2001 (Appendix 2). As noted in the AGS' report, a "linear anomaly was identified near the northeast corner of the building. The anomaly characteristics suggest the presence of a previously unidentified utility. Further investigation of this anomaly was performed using GPR. These data corroborate the EM61 data interpretation by indicating the presence of a laterally continuous hyperbolic anomaly, which is characteristic of buried utilities. This interpreted anomaly utility extends from the building and ends at the northeast corner of the property."

AGS reported that "GPR data acquired in the northeast corner of the property exhibited chaotic reflection events that suggest the presence of disturbed subsurface conditions. In addition,

numerous diffractions and complex anomaly configurations were observed that suggest the presence of non-native structures or objects. Signal penetration through the suspected structure was observed, which indicates the structure is non-metallic, since GPR signals cannot penetrate metal. The approximate extent of the feature was delineated spray painted in the field." This interpreted location is presented in Figure 1 of Appendix 2.

AGS also reported "to definitively identify the suspected structure based on solely on the geophysical data, its location with respect to the detected utility interpreted in conjunction with historical information indicate that this is a likely location for the suspected former septic system."

5.5 Soil Boring Activities

As noted in GES' *Septic Tank Excavation and Groundwater Sampling Report* dated August 9, 2001, FNB proposed to continue the remedial investigation by advancing a deep soil boring near MW3 to determine the distribution of hydrostratigraphic units including any impermeable strata (i.e., clay layer) beneath the site. According to the New Jersey Geological Survey, an impermeable, contiguous clay layer was identified within one mile of the subject property at an approximate elevation of -10 feet below mean sea level. Therefore, it is estimated this clay layer may be present 55 feet bgs at the subject property.

The soil boring would be installed near existing monitoring well MW3, which has contained the highest dissolved-phase concentration of total VOCs (Table 2). The soil boring would be completed as a monitoring well but at a deeper screened interval than that of MW3 to determine if VOCs of concern (*i.e.* PCE, *cis*-DCE, TCE, benzene, and MTBE) are present in deeper groundwater at concentrations exceeding the applicable NJDEP GWQS. The well would be installed to a depth corresponding to the depth of the top of the clay layer or semi-impermeable layer during the advancement of the deep soil boring. This interval was selected to determine if DNAPL is present. If the impermeable layer was identified during the soil boring, the bottom 10

feet of the monitoring well would be constructed using 10 feet of factory-slotted screen. Above this interval, the monitoring well would be extended to near grade using solid PVC casing. Construction details for monitoring well MW3D are described in the following section.

On November 16, 2001, a soil boring was advanced on-site under the direction of a GES Project Hydrogeologist. Representatives from the NJDEP (Mr. Tim Maguire and Ms. Karen Kloo) were also on-site to observe and document subsurface conditions. The borehole was advanced with a hollow-stem auger drill rig by Shore Drilling of Oceanport, New Jersey (New Jersey License Driller No. 1275). Continuous soil samples were obtained via a split-spoon sampler at 2-foot intervals. All samples were screened with a calibrated PID for the presence of VOCs. Continuous split-spoon samples were collected beginning at 20 feet bgs. The lithology of this borehole was expected to be identical to the lithology encountered during the installation of MW3 less than 3.0 feet away.

The general lithology of the borehole is consistent with previously completed boreholes on-site, i.e., very coarse to fine sand with varying amounts of gravel, silt, clay and iron mottling. PID readings ranged from 0 to 613 ppm units. The highest PID readings were observed from 22.5 to 31.5 feet bgs. A geologic log of all subsurface material encountered during soil boring advancement was prepared and is included in Appendix 3. Descriptions of the subsurface material encountered include color, grain size, structure or stratification, PID screening results and any other observations. All samples were screened with a calibrated PID for the presence of VOCs.

5.6 Monitoring Well Installation

5.6.1 Monitoring Well MW3D

The borehole advanced on November 16, 2001 (as described in previous section) was completed as a deep monitoring and is designated MW3D. The location of monitoring well MW3D was selected based on suspected and known area(s) of concern (i.e., the highest dissolved-phase concentration of PCE at MW3S), site topography, anticipated groundwater flow direction, drill

rig access, and location of underground and overhead utilities. The appropriate well screen length was pre-determined through discussion with NJDEP representatives. The monitoring well was constructed using 10.0 feet of 4-inch diameter, Schedule 40, threaded PVC slotted screen (0.010-inch) and 50.75 feet solid PVC casing. A No. 1 unground silica sand was used to fill the borehole annulus. As the level of the sand pack rose, the auger was gradually removed and the sand pack was emplaced to approximately 2.0 feet above the top of the screen. Bentonite pellets were placed directly onto the sand using a tremie pipe to a thickness of approximately 2.0 feet. A cement-bentonite slurry was prepared using potable water supplied by the well driller. The cement-bentonite slurry, used as a grout seal, was tremied on top of the bentonite seal to a level of approximately 1.0 foot bgs. The monitoring well was completed with a lockable watertight gripper plug placed on top of the casing and secured with a padlock. A flush-mounted steel manhole was placed over the top of the monitoring well casing and grouted into place within a 2-foot by 2-foot concrete pad to approximately 2 inches bgs. The pad was completed to grade using asphalt. The manhole cover was secured with bolts. The locking gripper plug prevents water infiltration and unauthorized access to the monitoring well.

Prior to installation procedures, a soil boring was advanced and continuous split-spoon samples were obtained at 2-foot intervals beginning at 30 feet bgs. The split-spoon barrel was opened and immediately scanned with a calibrated PID for the presence of organic compounds. PID readings provide an indication of ionizable compounds that may be present, but the results are neither qualitative nor quantitative. The observed PID readings ranged from 0 to 613 parts per million (ppm) units. After scanning each split-spoon with the PID, the amount of recovery and lithology encountered was recorded in a field notebook.

The monitoring well was developed using a submersible pump and dedicated tubing to remove sediment from the well bore and filter pack, thus optimizing well yield and the procurement of representative ground water samples. The well was developed until a turbid-free discharge was observed. Development was completed after pumping the well for approximately 15 minutes at

an estimated flow rate of 2 gallons per minute. The development water was treated with granular activated carbon and discharged onto an unpaved area near the well on-site.

A monitoring well log describing the lithology encountered, observed PID readings, well construction details, and other information are included in Appendix 3. Monitoring Well Permit is included in Appendix 4.

5.6.2 Monitoring Well MW7

On January 11, 2002, one monitoring well (MW7) was installed off-site by GES' Probe Services Division (New Jersey Driller License Number JD1610). This monitoring well was installed hydraulically downgradient of the site on Begonia Avenue, approximately 40 feet from Laurel Avenue (Figure 5). The purpose of installing this monitoring well is to delineate the extent of VOCs of concern in the shallow water-bearing zone. The monitoring well was installed under the direct supervision of a GES Project Hydrogeologist and NJDEP Certified Subsurface Evaluator (License number 11126).

The location of monitoring well MW7 was based on NJDEP's recommendation. The appropriate well screen length was field determined based on stratigraphic and hydrogeologic data collected during monitoring well installation. Monitoring well MW7 was constructed using 20.0 feet of 4-inch diameter, Schedule 40, threaded PVC slotted screen (0.010-inch) and 10.0 feet solid PVC casing. A No. 1 unground silica sand was used to fill the borehole annulus. As the level of the sand pack rose, the auger was gradually removed, and the sand pack was emplaced to approximately 2.0 feet above the top of the screen. Bentonite powder seal (slurry) was placed directly onto the sand using a tremie pipe to a thickness of approximately 2.0 feet. A cement-bentonite slurry was prepared using potable water supplied by the well driller. The cement-bentonite slurry, used as a grout seal, was tremied on top of the bentonite seal to a level of approximately 1.0 foot bgs. The monitoring well was completed with a lockable watertight gripper plug placed on top of the casing and secured with a padlock. A flush-mounted steel

manhole was placed over the top of the monitoring well casing and grouted into place within a 2-foot by 2-foot concrete pad. The manhole cover was secured with bolts. The locking gripper plug prevents water infiltration and unauthorized access to the monitoring well.

Prior to monitoring well installation procedures, a soil boring using the hollow stem auger method was completed. Soil samples from drill cuttings were obtained for headspace analysis. The soil samples were placed in dedicated, clean, amber glass jars, covered with aluminum foil, secured with a screw top lid and allowed to equilibrate undisturbed for at least 20 minutes. (Screening the drill cuttings as they arose to the surface was not possible due to light to heavy rain). PID readings provide an indication of ionizable compounds that may be present, but the results are neither qualitative nor quantitative. The observed PID readings were less than or equal to the ambient air concentration of 0.5 ppm units.

The monitoring well was developed using a submersible pump and dedicated tubing to remove sediment from the well bore and filter pack, thus optimizing well yield and the procurement of representative ground water samples. The well was developed until a turbid-free discharge was observed. Development was completed after pumping the well for approximately 30 minutes at an estimated flow rate of 1-2 gallons per minute. Approximately 45 gallons of development water was stored in a labeled 55-gallon steel drum stored on-site for disposal.

A monitoring well log describing the lithology encountered, observed PID readings, well construction details, and other information are included in Appendix 3. The Monitoring Well Permit is included in Appendix 4.

5.6.3 Waste Classification

Soil cuttings generated during the installation of monitoring wells MW3D and MW7 were containerized in labeled, 55-gallon steel drums for waste classification and proper disposal. On November 20, 2001 and January 11, 2002, GES collected composite soil samples from drill

cuttings from MW3D and MW7, respectively. The collected soil samples were stored in an insulated storage cooler at approximately 4 °C (wet ice) and submitted to Integrated Analytical Laboratories, LLC, of Randolph, New Jersey (NJDEP Certified Laboratory Identification Number 14651). The soil samples were analyzed for TCLP (Toxicity Characteristic Leaching Procedure) VOCs and RCRA (Resource Conservation Recovery Act) characteristics (corrosivity as pH, ignitability @ 142 °F, reactive cyanide, reactive sulfide). The TCLP extraction and analysis for VOCs were conducted using USEPA approved test methods 1310 and 8260, respectively. The USEPA approved test methods used for the determination of RCRA characteristics were 1020A for ignitability, 9045C for corrosivity, and Solid Waste Test Method-846, Chapter 7.3 for reactivity (i.e. reactive cyanide and reactive sulfide). Results of the waste characterization sample indicate soil cuttings generated from the installation of MW3D and MW7 were non-hazardous (Appendix 5).

On December 14, 2001, drill cuttings (eight 55-gallon steel drums) generated from the installation of monitoring well MW3D were retrieved and transported by Casie Pro-Tank (USEPA ID NJD045995693) on non-hazardous waste manifest (NHZ0207771) for recycling at their facility in Vineland, New Jersey.

On February 6, 2002, drill cuttings (four 55-gallon steel drums) generated from the installation of monitoring well MW7 were retrieved by Allstate Power-Vac [(APV), USEPA ID NJD003812047) of Rahway, New Jersey and transported on non-hazardous waste manifest (APV03936) to Penn Ohio Corporation in Ashtabula, Ohio (USEPA ID OHR000028837) for disposal In addition, APV retrieved the 55-gallon steel drum containing development water from MW7 and transported on hazardous waste manifest (NJA3205300) to Cycle Chem, Inc. in Elizabeth, New Jersey for disposal.

Non-hazardous waste manifest documenting the disposition of drill cuttings and a hazardous waste manifest documenting the disposal of development water also are included in Appendix 5.

5.6.4 Monitoring Well Surveying

On February 4, 2002, monitoring wells MW3D and MW7 were surveyed for location and elevation by Flannery, Webb & Hansen, P.A., a New Jersey licensed professional land surveyor. The monitoring well casings and ground surface elevations were referenced to a New Jersey Vertical Datum benchmark (AA5233) having an elevation of 69 feet above mean sea level. All elevations were taken at a black mark on the top of the monitoring well casing. Monitoring well casing elevations are provided on Tables 1 and 2. Monitoring Well Certification Form B for both monitoring wells are included in Appendix 6.

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6.0 EXCAVATION ACTIVITIES

6.1 Technical Approach

This project involved source removal (absorption tank and septic tank system) for the remediation of soil contaminated with chlorinated hydrocarbons at FNB. To serve as additional source removal, contaminated soil was excavated and transported off-site for disposal. Soil excavation served as an accelerated remedial strategy which focused on suspected source(s) of contamination and areas where soil contamination are identified.

During the initial site investigation, which was conducted in September and November 2001, eight soil samples collected from six borings contained PCE concentrations above the NJDEP most restrictive soil cleanup criterion of 1,000 micrograms per kilogram (ug/kg). The removal actions involved the excavation and off-site treatment or disposal of contaminated soil. Effectiveness of the removal actions was documented with post-excavation soil sampling.

6.2 Field Screening

During excavation activities, the subject property was visually inspected for evidence of a release. An OVA equipped with a calibrated PID was used to measure total organic vapors present in the excavated soils and personnel breathing zones. Results of field screening was used as a qualitative indication of the amount of excavation necessary to remove any impacted (contaminated) soil when field screening indicates organic vapors are at low concentrations (<10 ppm), samples will be collected from the excavation for laboratory analysis.

6.3 Initial Excavation and Exploratory Activities

GES contracted LEG to conduct an excavation at the northeast corner of the property identified by AGS as an anomaly to confirm the existence of the septic system (Appendix 2). Excavation

activities were initiated on December 11, 2001. During excavation activities, it was discovered that the 'septic system' was larger than anticipated by AGS. This 'septic system' was a cinder block-concrete structure (hereafter referred to as an absorption tank), consisting of four separate chambers. An access way discovered near MW1 (Appendix 7) was removed and the interior inspected. The depth to the bottom of the 'septic tank' was approximately 10.75 feet bgs. The length of the backhoe arm was insufficient to reach the base of the structure. Therefore, the excavation was covered with 5-mil plastic sheeting and secured with fencing to prevent unauthorized access until a larger backhoe could be procured. Results and findings of excavation activities that resumed on December 17, 2001 are described in Section 6.4.

6.3.1 Soil Disposal

On December 11, 2001, approximately 33.59 tons of soil was excavated and contained in two labeled 30 cubic yard rolloffs for transport and proper disposal. The covered rolloffs were staged on the subject property near monitoring well MW3. The rolloffs were retrieved by Horwirth Trucks, Inc., of Northampton, Pennsylvania (USEPA ID PAD146714878) and transported to CWM Chemical Services, LLC (USEPA ID NYD049836679) of Model City, New York for disposal. Hazardous waste manifests (NYB9492281 and NYB9492282) documenting the disposition of the excavated soil is included in Appendix 8. A table summarizing soil disposal activities, including load date, hazardous waste manifest number, weight of each load, firm name hauling the waste, and the date the waste was disposed, is presented as Table 3. Certified clean fill (medium sand) was used to backfill the excavation (Appendix 9).

6.4 Resumption of Excavation Activities

On December 17, 2001 excavation of the absorption tank resumed. As noted in Section 5.1, the cinder block-concrete structure (absorption tank), consisting of four separate chambers, was discovered at the northeast corner of the property. The fourth chamber and the full extent of the absorption tank system were discovered on December 20, 2001. All four chambers were

connected in series and separated by cinder block walls. Each chamber measured 7 feet wide, 11 feet in length and 7.75 feet in depth. The absorption tank system had an open (soil) bottom. The vertical chamber walls were constructed of pre-cast masonry cinder blocks in a running bond pattern. Each course was set with concrete; however, the vertical joints between each cinder block were not cemented. The vertical spacing between each cinder block was approximately 1 inch. All four chambers were covered with 3.0 inches of rebar-enforced concrete which was approximately 3.0 feet bgs. Overall, the absorption tank measured 7 feet wide, 33 feet long, and 7.75 feet deep. The concrete lid contained three rectangular access ways - one for each chamber. The 2.0 by 2.0-foot access ways were spaced approximately 10.5 feet on center. When the access way closest to monitoring well MW1 was removed, a sweet, chemical-like odor was noted. The headspace in this chamber registered a PID reading of >2,000 ppm. The depth of the absorption tank, as measured from surface grade, was 10.75 feet. Using the dimensions of the absorption tank, the volumetric content is estimated to be 1,790 cubic feet or 13,400 gallons. Photographs of the inspection port, cinder block walls and other absorption tank features are presented in Appendix 7.

During excavation activities, a 4-inch inner diameter, cast iron pipe was discovered above and near the center of the absoption tank system or approximately 30 feet southeast of the northwestern property boundary. The pipe was approximately 2 feet bgs and extended south towards the north corner of building (Appendix 7). This pipe was linear, 42 feet in length, and constructed in 5-foot sections. The location of this pipe is consistent with the linear anomaly reported by AGS.

It is likely the absorption tank received direct discharge from the former White Swan Dry Cleaners as evidenced by the following:

- PID readings of the headspace were above the maximum limit of 2,000 ppb;
- A sweet odor resembling dry cleaning fluid (i.e., PCE) was noted by several on-site personnel;

- Laboratory analysis of soil samples collected from two soil borings (SB1 and SB2) and water samples collected from monitoring well MW1 contained detectable concentrations of PCE;
- Vertical walls of the absorption chamber and the open bottom contained lint (fabric) material likely generated and discharged with liquid during dry cleaning operations; and
- A 4-inch diameter cast iron pipe was connected to the third chamber and contained elevated PID readings within the pipe and in subsurface soil.

6.4.1 General Sampling Protocol

Applicable protocols regarding sampling, handling, storage, preservation, reporting, decontamination of field equipment, and other procedures were conducted as outlined in the NJDEP *Field Sampling Procedures Manual* dated May 1992. Soil samples were collected using dedicated, disposable sampling equipment and transferred immediately to the appropriate laboratory provided containers.

All analyses were conducted by a New Jersey certified laboratory. The laboratory supplied all sample containers. Following the collection of each soil sample, each container was labeled with the appropriate identification and immediately placed into a clean, insulated storage cooler. All storage coolers were stored away from all possible sources of contamination and sample integrity was ensured through proper preservation via cooling the samples with wet ice until delivery to the laboratory and by adhering to applicable parameter-specific holding times.

Written documentation and chain of custody procedures were maintained throughout the sampling program. Each soil sample was assigned a unique sample number, location, date, time, matrix and requested analyses were recorded in a bound field logbook. Combined chain of custody and analytical request forms, indicating the sample information and requested analyses, were completed and submitted with each storage cooler. The chain of custody forms

accompanied the sample shipments from the site to the laboratory to document possession of the samples.

6.4.2 Soil Sampling Protocol

Soil from each sampling location was collected from the backhoe bucket supplied by LEG. At each location, soil was visually examined for staining and odors, and screened for volatile organic compounds using a calibrated PID. Soil sample locations were recorded by a GES Project Hydrogeologist onto a scaled site map. Soil samples for chemical analysis were collected using a special, single use, USEPA approved EnCore® sampling device. This sampling device allows the collection and transport of soil samples for organic analyses to the laboratory without preserving in the field. The EnCore® sampler is a device made of an inert composite polymer, designed to collect, store, and deliver soil in a sealed, headspace-free state. In order to collect the sample, the EnCore® sampler is attached to a reusable T-handle that serves to assist in pushing the sampler in the soil. An airtight sealing cap is then attached creating a self-contained package. An additional sample of (unpreserved) soil was collected to allow for a determination of moisture content, and the normalization of data to a dry-weight basis. The devices and moisture soil samples are preserved with wet ice in an insulated sample shuttle, transported to the laboratory where the device cap is opened and the undisturbed soil sample is immediately placed in the appropriate preservation fluid, methanol or sodium bisulfate. This preservation step must be completed within 48 hours of sample collection.

6.5 Absorption Tank

After the absorption tank was dismantled, the material and surrounding soil suspected to be impacted by VOCs, as evidenced by PID readings, were loaded into trailers via a backhoe provided by LEG. Residual liquid was not observed in the absorption tank.

The approximate final dimensions of the absorption tank excavation were 15 feet wide, 50 feet long, and ranged in depth from 10.5 at the east end to 21.0 feet deep at its center (Figure 6). Groundwater was not encountered in the excavation. Soil could not be excavated at a greater depth because of the nature of the surrounding material and the reach of the backhoe. The surrounding material was larger in diameter than the surrounding indigenous soil and was not cohesive. Consequently, any soil removed from the excavation floor was immediately filled with surrounding material slumping into this area from the sidewalls.

Seven post-remedial soil samples (SE1 through SE7) were collected (Figure 6). Soil samples SE1, SE2, SE5, and SE7 were collected from the excavation floor. The remaining three samples (SE3, SE4, and SE6) were collected from the excavation sidewalls. Soil sample depths ranged from 17.0 feet at SE6 and SE7 to 21.0 feet at SE2 (Table 4). The collected soil samples were stored in an insulated storage cooler maintained at approximately 4 °C (wet ice) and submitted to Accutest Laboratories of Dayton, New Jersey (NJDEP Certified Laboratory Identification Number 12129). All samples were analyzed for VOC+10 via USEPA approved test method 8260+10.

6.5.1 Absorption Tank - Post-excavation Soil Analytical Results

No targeted VOCs or TICs were reported by the laboratory in the seven soil samples. A summary of analytical results, including laboratory reported method detection limits, is presented in Table 4 and Figure 6. The certified laboratory analytical reports for soil samples collected on December 17, December 18, December 19, and December 20 are included as Appendices 10, 11, 12, and 13, respectively.

6.6 Absorption Tank Piping

On December 19 and 20, 2001, approximately 40 feet of 4-inch diameter cast iron piping was excavated and removed. The pipe did not contain any residual liquid. The bottom of the pipe

was approximately 2.0 feet bgs and slightly sloped toward the building. Soil beneath the pipe was excavated until PID readings decreased to approximately 10 ppm units. Five post-remedial soil samples were collected (P1 through P5) beneath the piping (Figure 6). Soil samples were biased to locations showing the highest PID reading and beneath the piping joints. Samples P1 and P4 were obtained 6.0 feet bgs, respectively. Samples P2 and P3 were obtained 5.0 feet bgs. Sample P5 was obtained 7.0 feet bgs. The soil samples were stored in an insulated storage cooler maintained at approximately 4 °C (wet ice) and submitted to Accutest Laboratories, of Dayton, New Jersey (NJDEP Certified Laboratory Identification Number 12028). All samples were analyzed for VOC+10 via USEPA approved test method 8260+10.

6.6.1 Absorption Tank Piping - Post-excavation Soil Analytical Results

PCE was detected at a concentration of 577 ug/kg in P5. PCE concentrations were 152 ug/kg at P3 and 118 ug/kg (estimated). No TICs were detected in the soil samples. The concentrations of PCE reported in these samples are less than the NJDEP's most restrictive soil cleanup criterion of 1,000 ug/kg. A summary of analytical results is presented in Table 4 and Figure 6. The certified laboratory analytical report is included as Appendices 12 and 13.

6.7 Original Septic Tank

As the excavation of absorption tank proceeded towards the southeast, a cinder block wall was encountered. The walls were constructed of pre-cast masonry cinder blocks in a running bond pattern. Each course and cinder blocks were set with concrete, i.e., no gaps existed on the horizontal and vertical joints. The absorption tank was covered similar to the septic tank, i.e., it was covered with approximately 3.0 inches of rebar enforced concrete which was approximately 3.0 feet bgs. Overall, the septic tank measured 7 feet wide, 20 feet long, and 7.75 feet deep. The septic tank had an open bottom, i.e., the floor was uncapped. The concrete lid contained one rectangular access way at the northwest end.. When the 2.0 by 2.0-foot access way was removed, a faint but discernible sewage-like odor was detected. The depth of the septic tank, as measured

from surface grade, was approximately 8 feet bgs. Using the dimensions of the septic tank, the volumetric content is estimated to be 1,085 cubic feet or 13,400 gallons.

The approximate dimensions of the excavation were 15 feet wide and 50 feet long. The depth of the excavation varied from 8.5 feet bgs at SE11 to 17 feet bgs at SE8. Groundwater was not encountered in the excavation. Soil could not be excavated at a greater depth because of the nature of the surrounding material. The surrounding material was larger in diameter than the indigenous soil and was not cohesive. Consequently, when the backfilled material was removed from the excavation floor, the area was immediately filled with identical material slumping from the sidewalls.

The septic tank was dismantled *in situ*, excavated and placed onto trailers for disposal. Soil on each side of the rectangular septic tank and the bottom was excavated. The backfilled material surrounding the septic tank was comprised of well-sorted pea gravel with some miscellaneous construction debris (e.g., bricks, concrete, stone).

During excavation of the septic tank, a section of cast iron 4-inch diameter pipe (identical to the pipe observed during the excavation and removal of the absorption tank) was discovered approximately 2.0 to 2.5 feet bgs at the western end and extended southwest. One section of pipe contained a 45° elbow approximately 7 feet west of the septic tank. Further excavation yielded an 11-foot section of pipe and appeared to be constructed in 5-foot sections. This pipe terminated approximately 31 feet from the rear of the building (Figure 6).

6.7.1 Original Septic Tank - Post-excavation Soil Analytical Results

PCE was detected at concentrations of 6,530 ug/kg in P6, 3,510 ug/kg in SE9, 7,740 ug/kg in SE10, and 4,710 ug/kg in SE11. In addition, *cis*-1,2-dichloroethylene was detected in soil samples SE10 and SE11 at estimated concentrations of 149 and 65.1 ug/kg, respectively. The concentrations of PCE in soil samples P6, SE9, SE10, and SE11 are above the NJDEP most

restrictive soil cleanup criterion of 1,000 ug/kg. No TICs were detected in the soil samples. The estimated concentrations of *cis*-DCE in soil samples SE10 and SE11 are less than the NJDEP's most restrictive soil cleanup criterion of 1,000 ug/kg. A summary of analytical results is presented in Table 4. The certified laboratory analytical report is included as Appendices 12 and 13.

6.8 Soil Disposal

Approximately 787 tons of soil and miscellaneous debris (concrete, cinder blocks, and bricks) were excavated and contained in trailers for transportation and proper disposal. The covered trailers were transported by six waste hauling firms to CWM Chemical Services, LLC (USEPA ID NYD049836679) of Model City, New York for disposal (Table 3). Hazardous waste manifests and transporter logs documenting the transport and disposal of excavated soil is included in Appendix 8.

6.9 Site Restoration

FNB secured services of a contractor to restore the excavation area to its original condition. The area affected by excavation activities was repaved to near existing grade using asphalt. The excavation area is fully capped with an impermeable surface. Thus during precipitation events, rainfall does not infiltrate the former excavation area and recharge ground water. Stormwater and roof leader runoff is follows the topographic gradient before it flows on Sea Girt Avenue.

7.0 GROUNDWATER MONITORING AND SAMPLING

GES performed a groundwater monitoring and sampling event on January 25, 2002. Ground water samples were collected from all seven on-site monitoring wells (MW1 through MW6, MW3D) and one off-site monitoring well (MW7). Applicable protocols regarding well gauging, well purging, sampling, handling, storage, preservation, reporting, decontamination of field equipment, and other procedures were conducted as outlined in the NJDEP *Field Sampling Procedures Manual* dated May 1992. A description of GES' Quality Assurance and Quality Control Procedures is included in Appendix 14.

7.1 January 25, 2002 Groundwater Monitoring and Sampling Event

On January 25, 2002, depth to the static, unconfined ground water table, as determined from the top of the monitoring well casing ranged from 18.31 feet in MW7 to 24.00 feet in MW1 (Table 2). At each ground water monitoring well, the depth to ground water measurement was subtracted from the well casing elevation to determine the ground water elevation. The calculated ground water elevations were used to construct a ground water contour map. Ground water flow on-site was towards the east under an average hydraulic gradient of 0.0091 feet/foot (Figure 7). Ground water flow off-site also was towards the east under an average hydraulic gradient of 0.0097 feet/foot (Figure 8). The calculated hydraulic gradients are indicative of a groundwater table that is nearly horizontal. In addition, the calculated hydraulic gradient on-site for this ground water monitoring event is consistent with the June 11, 2001 ground water monitoring event. On June 11, 2001, the calculated hydraulic gradient on-site was 0.0087 feet/foot.

Because MW3 and MW3D are proximate to each other and are screened at two different depth intervals, the vertical hydraulic gradient was calculated. The vertical hydraulic gradient is equal to the difference in ground water elevation or ground water depth between the monitoring wells divided by the distance between the midpoint of the well screen intervals. The calculated vertical

hydraulic gradient is upward at 0.0021 feet/foot. This indicates ground water flow is towards the shallow zone from the deeper zone.

Prior to ground water sample collection, each monitoring well was purged of at least three, but no more than five times the volume of standing water to ensure representative ground water was sampled. A dedicated disposable Teflon® bailer was utilized to collect a sample of the groundwater in each well after completion of the required purging activities and allowance for sufficient groundwater recharge into the monitoring well. Each sample of groundwater was transferred directly from the bailer into 40-milliliter (mL) glass vials. Hydrochloric acid was present in each vial to preserve the sample to a pH <2. Precautions were taken during sample collection to ensure that no headspace was present in any sample. The ground water samples collected were stored in an insulated storage cooler maintained at approximately 4 °C (wet ice) and submitted to Integrated Analytical Laboratories, LLC of Randolph, New Jersey (NJDEP Certified Laboratory Identification Number 14751). The groundwater samples were analyzed for VOC+10 via USEPA approved test method 624 calibrated to include MTBE and *tert*-butyl alcohol (TBA).

7.1.1 Groundwater Analytical Results

On January 25, 2002, PCE was detected in all monitoring wells. PCE concentrations were 82.9 micrograms per liter (ug/L) at MW1, 7,190 ug/L at MW2, 1,720 ug/L at MW3 and MW4, 452 ug/L at MW3D, 4.7 ug/L at MW5, 239 ug/L at MW6, and 299 ug/L at MW7. TCE was not detected at MW5 and MW6. Detectable TCE concentrations were reported for MW1 (1.02 ug/L), MW2 (46 ug/L), MW3 (54.3 ug/L), MW3D (7.21 ug/L), MW4 (10.2 ug/L), and MW7 (1.96 ug/L). *cis*-1,2-DCE concentrations were 1.11 ug/L at MW1, 88.1 ug/L at MW2, 24.1 ug/L at MW3, 7.27 ug/L at MW4, and 13.8 ug/L at MW5. *cis*-1,2-DCE ND at MW5, MW6, and MW7. MTBE was detected at MW1, MW3, and MW7 at concentrations of 1.02, 13, and 3.88 ug/L, respectively. MTBE was not detected in any other monitoring wells.

The reported concentrations of PCE and TCE exceed the NJDEP GWQS of 1 ug/L for each compound. The concentration of *cis*-1,2-DCE at MW2 (88.1 ug/L) exceeded the NJDEP GWQS of 70 ug/L. The MTBE concentrations reported at MW1, MW3, and MW7 are less than the NJDEP GWQS of 70 ug/L.

No other targeted compounds or tentatively identified compounds (TICs) were reported by the laboratory. A summary of groundwater monitoring data, analytical data including compound-specific method detection limits (MDLs) and promulgated NJDEP GWQS for each volatile organic compound (VOC) is provided on Table 2. A summary of ground water quality for this monitoring and sampling event is provided on Figures 8 and 9. A historical summary of ground water monitoring data and analytical data is provided on Table 2. The laboratory analytical report for the January 25, 2002 ground water sampling event is included in Appendix 15.

8.0 TECHNICAL OVERVIEW

A GES Project Hydrogeologist was on-site to observe, document and conduct soil sampling. All soil sampling activities were completed by an experienced GES Project Hydrogeologist. Excavation and restoration activities were conducted by LEG.

All laboratory analytical services were provided by Accutest of Dayton, New Jersey (NJDEP Certified Laboratory Identification Number 12129). All soil samples were analyzed using USEPA approved test methods. A summary of USEPA approved test methods utilized by Accutest is included in their reports (Appendices 10 through 13, Appendix 15).

All field sampling activities were conducted according to generally accepted sampling procedures as outlined in the NJDEP's *Field Sampling Procedures Manual* dated May 1, 1992. A detailed description of GES' Quality Assurance and Quality Control procedures implemented on-site is provided in Appendix 14.

8.1 Reliability of Laboratory Data

In accordance with the *Technical Requirements for Site Remediation* (NJAC 7:26E-3.10), reliability of laboratory analytical data was reviewed for compliance with sample holding times, ability to achieve method detection limits and other indicators of data reliability. The results of this review is summarized as follows:

- All laboratory reports included a cover page listing the NJDEP Laboratory Certification Number, Table of Contents, facility name and address and date report was submitted.
- All laboratory reports included summary sheets listing analytical results for all targeted compounds and TICs.
- Each laboratory report was bound, paginated and legible.
- Chain of custody forms for all sampling events were included in the laboratory reports.

- All samples were submitted to the certified laboratory within 48 hours of sample collection.
- All samples analyzed by the certified laboratory were completed within the required holding times.
- MDLs were provided for each sample analyzed by the laboratory.
- Elevated MDLs were reported by the laboratory for water and soil samples analyzed for VOCs. The elevated MDLs were adjusted to account for the dilution factor utilized by the laboratory. The laboratory dilutes aqueous samples if targeted analytes are present at high concentrations.
- All samples analyzed for VOCs were conducted using USEPA approved test methods.
- Non-Conformance Summary sheets for all analyses were included in all laboratory reports.

9.0 SUMMARY OF FINDINGS

- On November 12, 2001, a geophysical subsurface survey of the subject property was completed. Using TDEM and digital GPR to locate, delineate, and plot any anomalies (e.g. backfilled areas, voids, metal objects, tanks, etc.) which may be indicative of a former septic tank system alleged to be present by the NJDEP. Four anomalies were identified justifying additional investigation was required.

- In December 2001, the geophysical anomalies were investigated and two potential source areas were identified. GES observed and documented the excavation and removal of an absorption tank, a septic tank, and associated piping on-site. Both tanks were constructed of pre-cast, concrete cinder blocks constructed *in situ*. To the extent possible, surrounding soil suspected of being impacted by VOCs was excavated and transported off-site for disposal on hazardous waste manifests. More than 820 tons of impacted soil was transported off-site to a licensed facility for disposal.

- Seventeen post-excavation (remedial) soil samples, collected from the sidewalls and bottom of the former absorption tank, original septic tank, and piping excavations were laboratory analyzed for VOCs. PCE was the only targeted analyte identified at concentrations above the NJDEP most restrictive soil cleanup criterion of 1,000 ug/kg. PCE concentrations were above the NJDEP most restrictive soil cleanup criterion in three soil samples collected from the original septic tank excavation and in one soil sample from beneath the piping associated with this feature. Generally, soil containing PCE concentrations above the NJDEP most restrictive soil cleanup criterion remain on-site in the unsaturated zone at the north-northeastern portion of the property.

- Impacted soil remains below the asphalt paved parking area. To date, the only VOC detected above the NJDEP most restrictive soil criterion of 1,000 mg/kg is PCE. Above the water

table (vadose zone), PCE concentrations exceeded the 1,000 mg/kg criterion at P6 (6,530 mg/kg at 6.5 feet bgs), SE9 (3,510 mg/kg at 12.0 feet bgs), SE10 (7,740 mg/kg at 10.5 feet bgs), SE11 (4,710 mg/kg at 8.5 feet bgs). The parking area is completely covered with an impermeable surface preventing direct physical contact with subsurface soils.

- A deep soil boring was advanced on-site to confirm the existence of a confining unit. The top of the confining unit (grayish-black silty clay) was identified approximately 62 feet bgs. This confining unit reportedly separates the overlying Kirkwood Formation from the underlying Shark River Formation. The estimated thickness of this clay layer is 55 feet. This deep soil boring was completed as monitoring well MW3D, which was set on top of the clay unit with 10 feet of well screen. There was no evidence of NAPL during drilling of this borehole and DNAPL is not present in MW3D. These data indicate DNAPL is not present at the interface of the Kirkwood and Shark River Formations below the subject property.

- On January 25, 2002, depth to groundwater, as determined from the top of the monitoring well casing, ranged from 18.31 feet in MW7 to 24.00 feet in MW1. The general direction of ground water flow across the subject property is east which is consistent with previous monitoring events. DNAPL has never been detected in the monitoring wells. Utilizing groundwater elevation data for MW3 and MW3D, the vertical hydraulic gradient is upward at 0.0021 feet/foot. This indicates there is a component of ground water flow from the deeper zone is towards the shallow zone.

- Laboratory analyses of ground water samples collected on January 25, 2002 from the seven on-site monitoring wells (six shallow, one deep) and one shallow off-site monitoring well showed concentrations of PCE and TCE above the NJDEP GWQS of 1 ug/L for Class II-A groundwater. The concentration of *cis*-1,2-DCE detected at MW2 (88.1 ug/L) is above the NJDEP GWQS of 70 ug/L. Dissolved-phase VOC concentrations has not been delineated.

The dissolved-phase concentration of PCE in the deeper zone (452 ug/L at MW3D) is less than the concentration of PCE in the shallow zone (1,720 ug/L at MW3).

- MTBE (associated with unleaded gasoline) was identified at concentrations of 1.02 ug/L in MW1, 13 ug/L in MW3, and 3.88 ug/L in MW7. This compound is not associated with any current or historical operation of the subject property. Therefore, it is not a compound of concern for this site. The presence of PCE in monitoring well MW6 and MTBE in monitoring wells MW1 and MW3 suggest these compounds are migrating onto the subject property.

- According to NJDEP-BWA well records, two public supply wells are within a one-mile radius of the site. One public supply well is in Manasquan near Mac's Pond. This well is approximately 3,200 feet south-southeast of the subject property and has a reported depth and pumping rate of 114 feet and 150 gpm, respectively. The second public supply well is owned by Richard Bahadurian/Valley Park. This well is approximately 4,200 feet north-northeast of the site and has a reported depth of 100 feet and a pumping rate of 22 gpm. In addition, the well records indicate five domestic wells, two domestic or irrigation wells, three industrial wells, 31 irrigation wells, and 17 monitoring wells are within a one mile radius of the site.

10.0 REFERENCES CITED

Rhodehamel, E.C. 1973. "Geology and water resources of the Wharton Tract and Mullica River basin in southern New Jersey," New Jersey Department of Environmental Protection, Division of Water Resources Special Report, No. 36, 58 p.

Sugarman, P.J. and Owens, J.P. 1994. "Geologic map of the Asbury Park quadrangle, Monmouth and Ocean Counties, New Jersey," New Jersey Department of Environmental Protection and Energy, New Jersey Geological Survey, Geologic Map series GMS 94-2.

Zapecza, O.S. 1984. "Hydrogeologic framework of the New Jersey coastal plain," U.S. Geological Survey, Open-File Report 84-730, 61 p.

11.0 DISCLAIMER

The opinions, findings, and conclusions expressed herein are based upon information gathered during GES' on-site investigative activities and from outside sources presumed to be accurate and complete. No changes or alterations shall be made to this report without prior written authorization from GES. No other presentation of findings, conclusions or recommendations may be represented as GES', without prior written documentation by GES. Because the findings and conclusions of this RIAR are subject to professional interpretation, differing conclusions may be possible. GES cannot guarantee the subject property contains no hazardous materials, environmental degradation or impacts beyond those detected or observed during the course of this investigation. GES reserves the right to change, modify, or expand any of its statements if additional information/documentation becomes available regarding this investigation.

Figures



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1989
ASBURY PARK, N.J.
CONTOUR INTERVAL = 5'



QUADRANGLE LOCATION

DRAFTED BY: W.A.W. (WALL)	SITE LOCATION MAP
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719

SCALE IN FEET	DATE	FIGURE
0 2000	2-19-02	1

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SEA GIRT LODGE

SEA GIRT LODGE

MW1

MW3D

MW3

SEWER CLEANOUT

MW2

MW4

GULF SERVICE STATION

MW6

CANOPY

FLEET BANK

CANOPY

COLONIAL HAIR SALON/ CUMBERLAND FARMS

PARKING

MW5

SEA GIRT AVENUE

LEGEND

- MONITORING WELL
- △ BENCH MARK PK NAIL ELEVATION = 44.92 FEET (NEW JERSEY VERTICAL DATUM)
- UTILITY POLE
- G GAS LINE
- W WATER LINE
- T TELEPHONE LINE
- UE UNDERGROUND ELECTRIC LINE

DRAFTED BY: K.C. (WALL)	SITE PLAN
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
SCALE IN FEET 0 30	DATE 3-18-02 / FIGURE 2

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NOTE:

BASED ON WALL TOWNSHIP TAX MAPS DATED MARCH 28, 1969.

DRAFTED BY: K.C. (WALL)	LOCAL AREA MAP
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET: 0 120 / DATE: 2-28-02 / FIGURE: 3

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WILLOW DRIVE

LAUREL AVENUE

MW7

SEA GIRT LODGE

SEA GIRT LODGE

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

GULF SERVICE STATION

FLEET BANK

CANOPY

CANOPY

PARKING

COLONIAL HAIR SALON/ CUMBERLAND FARMS

RADIATOR CENTER

GARRISON AUTO PARTS

TRUSTCOMPANY BANK

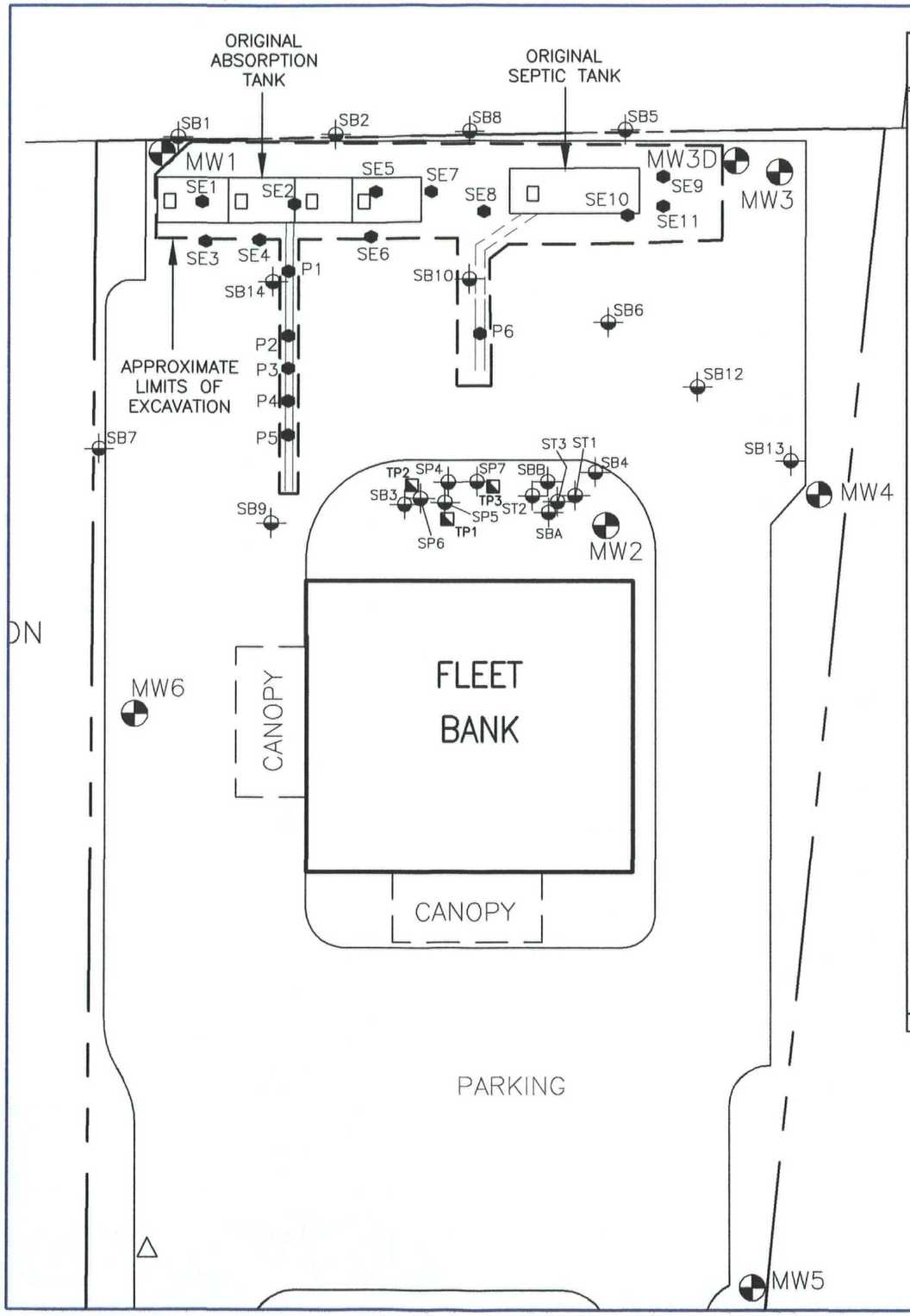
BEGONIA AVENUE

SEA GIRT AVENUE

LEGEND

- MONITORING WELL
- △ BENCH MARK PK NAIL ELEVATION = 44.92 FEET (NEW JERSEY VERTICAL DATUM)

DRAFTED BY: K.C. (WALL)	LOCAL AREA MAP-MONITORING WELL LOCATIONS
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET: 0 60 / DATE: 2-28-02 / FIGURE: 5



Sample	Sample Date	Sample Depth (feet bgs)	Volatile Organic Compounds micrograms/kilogram (dry weight) Chlorobenzene	*cis*-1,2-DCE	PCE	TCE
P1	12/19/01	6.0	300U	300U	300U	300U
P2	12/19/01	5.0	280U	280U	280U	280U
P3	12/19/01	5.0	240U	240U	152	240U
P4	12/19/01	6.0	270U	270U	118J	270U
P5	12/20/01	7.0	260U	260U	577	260U
P6	12/10/01	6.5	250U	250U	**6,530**	250U
SB1	9/14/00	8.5-9.0	540U	540U	110U	11OU
	9/14/00	20.0-20.5	590U	590U	**1,100**	120U
SB2	9/14/00	15.5-16.0	500U	500U	100U	100U
	9/14/00	21.5-22.0	630U	630U	**3,800**	130U
SB3	9/14/00	7.0-7.5	550U	550U	110U	110U
	9/14/00	19.0-19.5	600U	600U	120U	120U
	9/14/00	22.0-22.5	670U	670U	**4,200**	130U
SB4	9/14/00	9.0-9.5	630U	630U	360	120U
	9/14/00	15.0-15.5	550U	550U	230	110U
	9/14/00	21.0-21.5	580U	580U	**4,100**	120U
SB5	9/14/00	11.5-12.0	550U	550U	400	110U
	9/14/00	19.5-20.0	560U	560U	**8,200**	69J
SB6	9/14/00	11.0-11.5	600U	600U	180	120U
	9/14/00	19.5-20.0	580U	580U	990	120U
SB7	9/14/00	15.5-16.0	510U	510U	100U	100U
	9/14/00	19.5-20.0	590U	590U	1,000	120U
SB8	11/6/00	19.5-20.0	560U	560U	110U	110U
SB9	11/6/00	11.0-11.5	560U	560U	110U	110U
	11/6/00	19.5-20.0	630U	630U	110U	120U
SB10	11/6/00	19.5-20.0	550U	550U	120U	110U
SB12	11/6/00	11.0-11.5	710U	140J	**9,600**	140U
	11/6/00	19.5-20.0	700U	140J	**15,000**	140U
SB13	11/6/00	11.0-11.5	420U	420U	84U	84U
	11/6/00	19.5-20.0	610U	610U	**3,000**	120U
SB14	11/6/00	16.0-16.5	550U	550U	79J	110U
	11/6/00	19.5-20.0	550U	550U	150	110U
SE1	12/17/01	17.5	340U	340U	340U	340U
SE2	12/18/01	21.0	320U	320U	234J	320U
SE3	12/18/01	18.5	280U	280U	280U	280U
SE4	12/18/01	20.0	280U	280U	280U	280U
SE5	12/19/01	19.0	330U	330U	330U	330U
SE6	12/19/01	17.0	310U	310U	310U	310U
SE7	12/19/01	17.0	280U	280U	280U	280U
SE8	12/19/01	17.0	310U	310U	522	310U
SE9	12/20/01	12.0	260U	260U	**3,510**	260U
SE10	12/20/01	10.5	240U	149J	**7,740**	62.3J
SE11	12/20/01	8.5	220U	65.1	**4,710**	220U
ST1	5/22/01	6.5	86J	590U	300	110U
ST2	5/22/01	6.5	590U	590U	85J	120U
ST3	5/22/01	6.0	580U	580U	190	120U
SP4	5/22/01	13.5	490U	490U	170	98U
SP5	5/22/01	12.0	570U	570U	500	110U
SP6	5/22/01	8.5	86J	550U	170	110U
SP7	5/22/01	8.5	660U	560U	**9,100**	130U
TP1	2/19/01	7.5	540U	540U	170	110U
TP2	2/19/01	7.5	580U	580U	200	120U
TP3	2/19/01	7.5	610U	610U	280	120U
NJDEP most restrictive soil cleanup criteria			1,000	1,000	1,000	1,000

LEGEND

- MONITORING WELL
- △ BENCH MARK PK NAIL ELEVATION = 44.92 FEET (NEW JERSEY VERTICAL DATUM)
- SB – SOIL BORING LOCATION
- ST – SOIL BORING (SEPTIC TANK)
- SP – SOIL BORING (SEEPAGE PIT)
- INSPECTION PORT
- == INFERRED LOCATION OF CAST IRON PIPE
- TP – TEST PIT SAMPLE LOCATION
- SE POST–EXCAVATION SOIL SAMPLE
- P POST–EXCAVATION SOIL SAMPLE BENEATH PIPING
- BGS BELOW GROUND SURFACE
- *cis*-1,2-DCE *cis*–1,2–DICHLOROETHENE
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- J ESTIMATED CONCENTRATION
- U NON – DETECT AT METHOD DETECTION LIMIT INDICATED

NOTE:

HIGHLIGHTED PCE CONCENTRATIONS ARE ABOVE THE SOIL CLEANUP CRITERION.

DRAFTED BY: K.C. (WALL)
CHECKED BY: J.M.
REVIEWED BY:
NORTH

SOIL SAMPLE LOCATION MAP

FLEET NATIONAL BANK
(FORMERLY WHITE SWAN DRY CLEANERS)
1322 SEA GIRT AVENUE
WALL, NEW JERSEY

Groundwater & Environmental Services, Inc.
1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719

SCALE IN FEET 0 20 | DATE 2–28–02 | FIGURE 6

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SEA GIRT LODGE

SEA GIRT LODGE

cis–DICHLOROETHENE 7.27
TRICHLOROETHENE 10.4
TETRACHLOROETHENE 452

cis–DICHLOROETHENE 1.11
TRICHLOROETHENE 1.02
TETRACHLOROETHENE 82.9
METHYL *t*–BUTYL ETHER 1.24

cis–DICHLOROETHENE 24.1
TRICHLOROETHENE 54.3
TETRACHLOROETHENE 1,720
METHYL *t*–BUTYL ETHER 13

23.75
23.50
24.00
23.25
24.25

MW1
MW3D
MW3
MW4
MW2
MW6
MW5

GROUNDWATER FLOW

cis–DICHLOROETHENE 13.8
TRICHLOROETHENE 10.2
TETRACHLOROETHENE 1,720

GULF SERVICE STATION

TETRACHLOROETHENE 239

CANOPY

FLEET BANK

CANOPY

COLONIAL HAIR SALON/ CUMBERLAND FARMS

cis–DICHLOROETHENE 88.1
TRICHLOROETHENE 7,190
TETRACHLOROETHENE 46

PARKING

TOTAL XYLENE 0.9
TETRACHLOROETHENE 4.7

SEA GIRT AVENUE

LEGEND

- ● MONITORING WELL
- △ BENCH MARK PK NAIL ELEVATION = 44.92 FEET (NEW JERSEY VERTICAL DATUM)
- TOC TOP OF CASING (feet)
- DTW DEPTH TO WATER (feet)
- GW EL GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
1	47.74	23.74	24.00
2	45.52	21.77	23.75
3	45.61	22.45	23.16
3D	45.85	22.62	23.23
4	45.61	22.15	23.46
5	43.44	19.52	23.92
6	46.26	21.92	24.34
7	36.35	18.31	18.04

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.
ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
MW3D NOT USED TO GENERATE CONTOURS.
MW7 LOCATED OFFSITE (NOT SHOWN ON MAP).

DRAFTED BY: K.C. (WALL)
CHECKED BY: J.M.
REVIEWED BY:
NORTH

SITE INFORMATION PLAN
25 JANUARY 2002

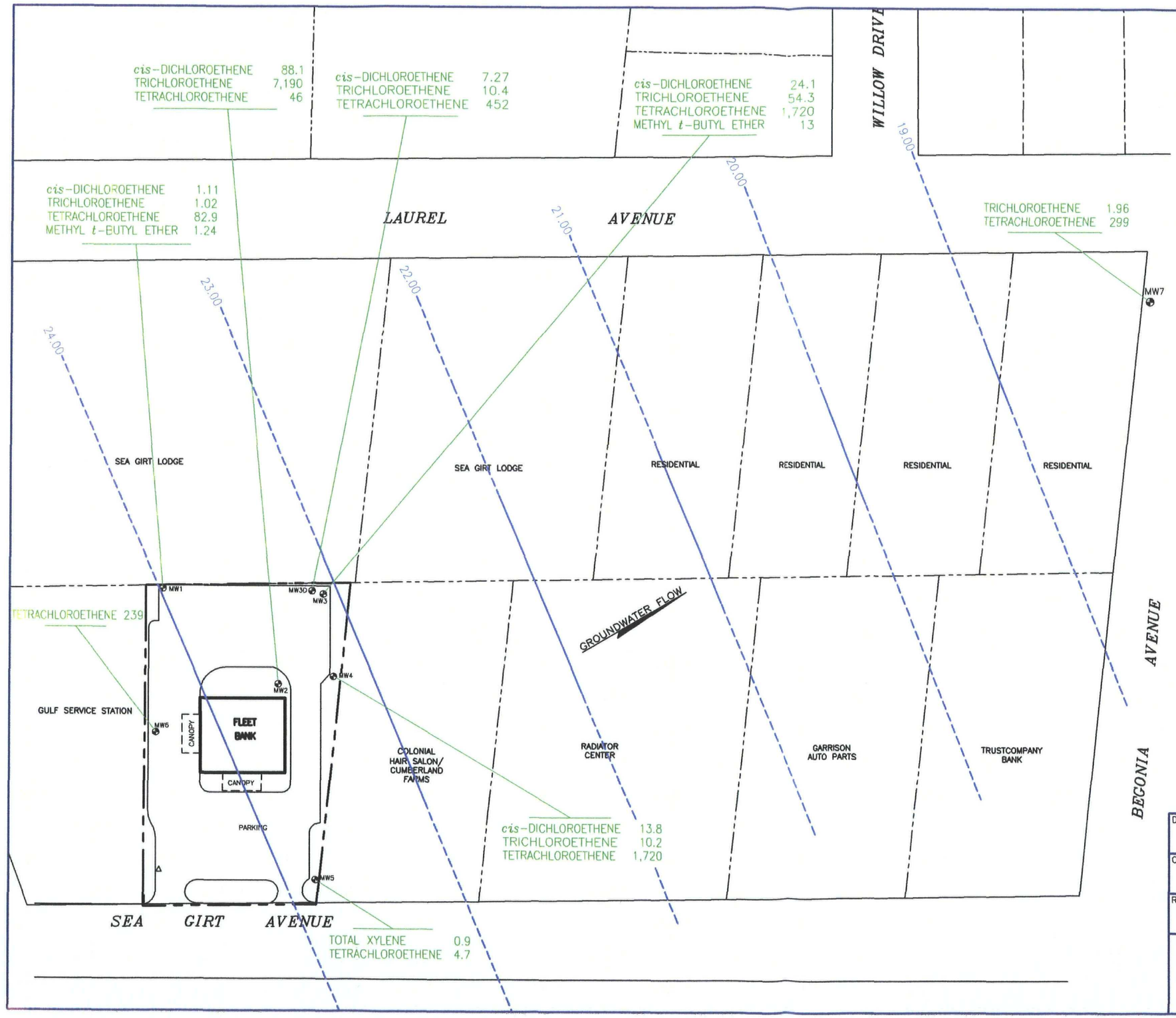
FLEET NATIONAL BANK
(FORMERLY WHITE SWAN DRY CLEANERS)
1322 SEA GIRT AVENUE
WALL, NEW JERSEY

Groundwater & Environmental Services, Inc.
1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719

SCALE IN FEET 0 30 | DATE 2-28-02 | FIGURE 7

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LEGEND

- ◓ MONITORING WELL
- △ BENCH MARK PK NAIL ELEVATION = 44.92 FEET (NEW JERSEY VERTICAL DATUM)
- TOC TOP OF CASING (feet)
- DTW DEPTH TO WATER (feet)
- GW EL GROUNDWATER ELEVATION (feet)

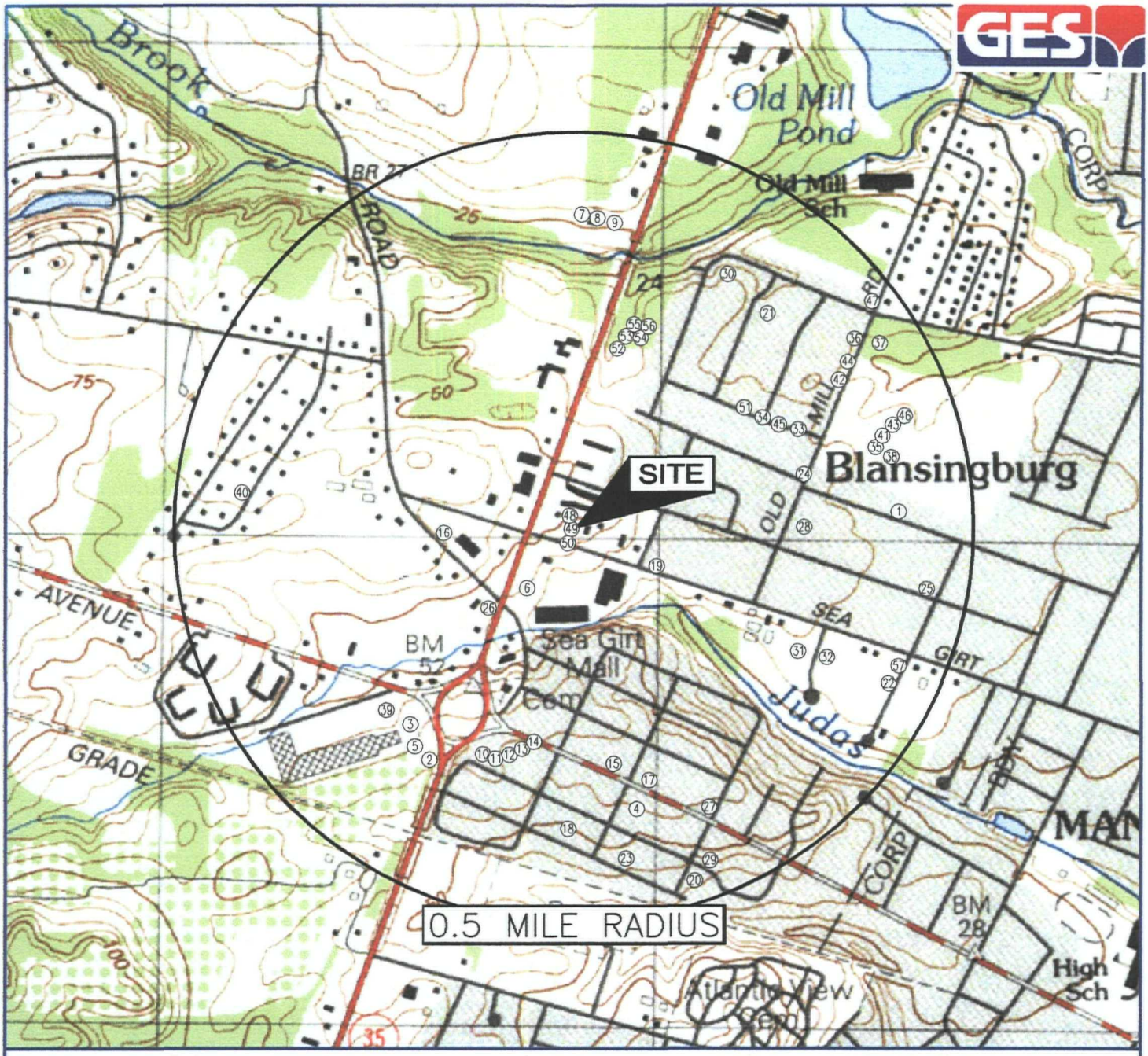
MW	TOC	DTW	GW EL
1	47.74	23.74	24.00
2	45.52	21.77	23.75
3	45.61	22.45	23.16
3D	45.85	22.62	23.23
4	45.61	22.15	23.46
5	43.44	19.52	23.92
6	46.26	21.92	24.34
7	36.35	18.31	18.04

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER.

DRAFTED BY: K.C. (WALL)	LOCAL AREA INFORMATION PLAN 25 JANUARY 2002
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET 0 60 / DATE 2-28-02 / FIGURE 8



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1989
ASBURY PARK, N.J.
CONTOUR INTERVAL = 5'

1, 2, 4, 6, 22, 24, 31 – DOMESTIC SUPPLY WELLS
3 – PUBLIC SUPPLY WELL
7–14, 48–50, 52–57 – MONITORING WELLS
15–23, 25–47, 51 – IRRIGATION WELLS
5 – INDUSTRIAL WELL

REFER TO TABLE 1



QUADRANGLE LOCATION

DRAFTED BY: W.A.W. (WALL)	**WELL LOCATION MAP**
CHECKED BY: J.M.	FLEET NATIONAL BANK (FORMERLY WHITE SWAN DRY CLEANERS) 1322 SEA GIRT AVENUE WALL, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET: 0 – 1000 / DATE: 2-19-02 / FIGURE: 4

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Tables

Table 1. Well Search Summary

Fleet National Bank (formerly White Swan Dry Cleaners)
Wall Township, Monmouth County, New Jersey

Owner's Name	Well Location	Distance from site (miles)	Direction from site (N,S,E,W)	Well depth (feet)	Screen length (feet)	Pumping rate (gpm)	Use of well	Date Installed
* Manasquan Boro/Mac's Pond	na	0.60	ESE	114	na	150	PS	na
*Atlantic Club	na	0.70	na	170	na	50	IN	na
*Atlantic Club	na	1.70	na	171	na	51	IN	na
*Bahadurian, Richard/Valley Park	na	0.80	NNE	100	na	22	PS	na
1. Edward Peterson	Magnolia Avenue	0.41	E	93	9.25	5	D	11/23/51
2. Edwin Loesser	Brielle Circle	0.28	SSW	84	3	8	D	7/29/53
3. Wall Towne Shopping Center	Rte 35	0.24	SSW	150	20	407	PS	1/3/57
4. Frank Muller	Blansing Road	0.41	SE	42	3	5	D	na
5. Eastern Shopping Centers Inc.	Circle Plaza Center	0.37	SW	na	na	150	IN	5/18/66
6. Diambrosio (McDonalds)	MacDonalds Route 35	0.07	SW	66	6	16	D	3/28/01
7. Waldwick Aerospace Devices	Wall Twp.	0.49	N	32	10	na	MW	1/21/83
8. Waldwick Aerospace Devices	Wall Twp.	1.49	N	32	10	na	MW	1/22/83
9. Waldwick Aerospace Devices	Wall Twp.	2.49	N	32	10	na	MW	1/23/83
10. Shell Oil Company	Rte 35 & Manasquan Circle	0.40	S	15	4	na	MW	5/14/84
11. Shell Oil Company	Rte 35 & Manasquan Circle	1.40	S	15	4	na	MW	5/15/84
12. Shell Oil Company	Rte 35 & Manasquan Circle	2.40	S	15	4	na	MW	5/16/84
13. Shell Oil Company	Rte 35 & Manasquan Circle	3.40	S	15	4	na	MW	5/17/84
14. Shell Oil Company	Rte 35 & Manasquan Circle	4.40	S	15	4	na	MW	5/18/84
15. Matt McKay	1106 New Brunswick Ave.	0.40	SE	67	10	4.5	IR	8/9/85
16. Arnold Kurmin	Meeting House Rd.	0.17	WSW	53	8	15	IR	9/15/85
17. Melvin Price Jr.	1015 New Brunswick Ave.	0.43	SE	25	15	5	IR	na
18. Paul Gils	1210 New Brunswick Ave.	0.40	SE	80	20	40	IR	6/10/88
19. First Jersey Bank	Begonia and Sea Girt Ave.	0.06	E	59	10	10	IR	8/1/88
20. William Tully	1010 New Brunswick Ave.	0.50	SE	50	10	40	IR	9/14/88
21. William Huber	2114 Redwood Drive	0.30	NE	88	15	10	IR	10/13/88
22. Richard Campbell	2202 Lincris Lane	0.40	E	37	10	25	D/IR	5/15/84
23. George Groh	1112 New Brunswick Ave.	0.40	SE	83	20	12	IR	7/7/89
24. Mr. Gilligan	2152 Redwood Drive	0.30	NE	77	20	20	D	8/10/89
25. Frank Gagliano	Magnolia Avenue	0.50	E	97	20	20	IR	4/26/01
26. Manasquan Saving and Loan	Meeting House Rd. & RT 35	0.20	SW	51.5	6	15	IR	11/30/99
27. Edward Ahern	Camden and Atlantic Aves.	0.37	SE	60	10	15	IR	8/19/91
28. George Bower	2178 Old Mill Rd.	0.20	E	100	10	25	IR	12/10/91
29. Kevin Markland	1008 New Brunswick Ave.	0.46	SE	119	5	na	IR	7/1/92
30. Howard Gannon	2150 Cottonwood Dr.	0.26	N	40	8	50	IR	10/1/93
31. John Conley	2207 Christine Lane	0.23	S	28	18	15	D/IR	8/8/94
32. Anthony Lopomo	2206 Christine Lane	0.23	S	32	10	15	IR	10/18/01
33. Frank Cristell	1210 Hemlock Ave.	0.40	NE	115	20	60	IR	7/10/96
34. Bryan Patrick	1213 Hemlock Ave.	0.40	NE	28	4	15	IR	3/28/97
35. Joseph Minion	1225 Candlewood Lane	0.30	NE	110	10	20	IR	12/6/97
36. Robert Larson	2156 Old Mill Rd.	0.46	NE	110	10	20	IR	12/5/97
37. John Verga	2100 Old Mill Rd.	0.46	NE	110	10	20	IR	12/17/97
38. Tom Timko	1220 Candlewood Lane	0.30	NE	98	10	20	IR	5/29/98
39. Lee Reverendo	1014 Altlantic Ave.	0.43	SW	75	10	20	IR	6/25/98
40. Dan Duffy	2169 Gladfield Dr.	0.37	W	66	10	20	IR	9/20/01
41. Ed Palluzzi	1215 Candlewood Lane	0.30	NE	98	10	20	IR	3/29/99
42. Paul Doliner	2164 Old Mill Rd.	0.50	N	103	10	20	IR	6/25/99
43. Donna Williams	1210 Candlewood Lane	0.30	NE	102	10	20	IR	6/24/99
44. Steven Biserta	2166 Old Mill Rd.	0.21	E	110	10	20	IR	6/28/99
45. Gary Horan	1206 Hemlock Ave.	0.41	NE	105	10	20	IR	8/19/99

"An Equal Opportunity Employer"

Table 1. Well Search Summary

Fleet National Bank (formerly White Swan Dry Cleaners)
Wall Township, Monmouth County, New Jersey

Owner's Name	Well Location	Distance from site (miles)	Direction from site (N,S,E,W)	Well depth (feet)	Screen length (feet)	Pumping rate (gpm)	Use of well	Date Installed
46. Jim Thopmkins	1217 Candlewood Lane	0.50	N	97	10	20	IR	8/20/99
47. Mario Paniscotti	1221 W. Chicago Blvd.	0.50	NE	101	10	20	IR	6/29/00
48. Summit Bank	1322 Sea Girt Ave.	0.02	N	30	15	na	MW	8/11/00
49. Summit Bank	1322 Sea Girt Ave.	0.02	N	30	15	na	MW	8/11/00
50. Summit Bank	1322 Sea Girt Ave.	0.02	N	30	15	na	MW	8/11/00
51. Paul Van Anda	1215 Hemlock Ave.	0.40	NE	106	10	15	IR	2/27/01
52. WaWa Inc.	2110 Rte. 35	0.20	N	27	20	na	MW	1/15/01
53. WaWa Inc.	2110 Rte. 35	0.20	N	27	20	na	MW	1/15/01
54. WaWa Inc.	2110 Rte. 35	0.20	N	27	20	na	MW	1/15/01
55. WaWa Inc.	2110 Rte. 35	0.20	N	27	20	na	MW	2/12/01
56. WaWa Inc.	2110 Rte. 35	0.20	N	27	20	na	MW	2/12/01
57. Fred Kurfes	2204 Lincris Lane	0.40	E	50	14	20	MW	3/17/01

Explanation of terms:
D: domestic; IN: industrial; IR: irrigation; MW: monitoring well; na: not available/reported; PS: public supply well; *: information obtained from computer well search.

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Table 2. Groundwater Monitoring & Sampling Comparison Data

Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Well ID	Ground Water Sampling Date	Top of Well Casing	Depth to Ground Water	Ground Water Elevation	Benzene	Toluene	Ethyl-benzene	Total Xylene	Methyl *t*-butyl ether	*t*-Butyl alcohol	*cis*-Dichlor-oethene	Tetrachlor-oethene	Trichlor-oethene	Total Volatile Organics
					NJDEP Ground Water Quality Standards for Class II-A, ug/L									
			feet		1	1,000	700	1,000	70	10	70	1	1	500
MW1	8/25/00	47.74	21.15	26.59	2.6U	3.0U	2.6U	3.1U	2.5U	170U	10	**1,700**	**8.0**	**1,718.0**
MW1	10/30/00	47.74	22.18	25.56	2.6U	3.0U	2.6U	3.1U	2.5U	170U	8.4	**1,300**	**6.8**	**1,315.2**
MW1	6/11/01	47.74	21.05	26.69	9.5U	9.0U	9.5U	9.5U	9.5U	290U	47	**5,400**	**25**	**5,472.0**
MW1	1/25/02	47.74	23.74	24.00	0.6U	0.66U	0.6U	1.8U	1.24	1.02U	1.11	**82.9**	**1.02**	86.05
MW2	8/25/00	45.52	19.96	25.56	65U	75U	65U	78U	62U	4,300U	98U	**27,000**	100U	**27,000**
MW2	10/30/00	45.52	20.17	25.35	26U	30U	26U	31U	25U	1,700U	47	**10,000**	41U	**10,047**
MW2	6/11/01	45.52	19.09	26.43	95U	90U	95U	95U	95U	2,900U	**210**	**36,000**	160U	**36,210**
MW2	1/25/02	45.52	21.77	23.75	30U	33U	30U	90U	53U	102U	**88.1**	**7,190**	**46**	**7,324.1**
MW3	8/25/00	45.61	20.64	24.97	65U	75U	65U	78U	62U	4,300U	**110**	**29,000**	**230**	**29,340**
MW3	10/30/00	45.61	20.85	24.76	130U	150U	130U	160U	120U	8,600U	**560**	**84,000**	**650**	**85,210**
MW3	6/11/01	45.61	19.49	26.12	190U	180U	190U	190U	190U	5,800U	1,200U	**120,000**	**760**	**120,760**
MW3	1/25/02	45.61	22.45	23.16	6U	6.6U	6U	18U	13	20.4U	24.1	**1,720**	**54.3**	**1,811.4**
MW3D	1/25/02	45.85	22.62	23.23	1.5U	1.65U	1.5U	4.5U	2.65U	5.1U	7.27	**452**	**10.4**	469.67
MW4	10/30/00	45.61	20.65	24.96	6.5U	7.5U	6.5U	7.8U	6.2U	430U	14	**2,800**	**11**	**2,825**
MW4	6/11/01	45.61	19.49	26.12	19U	18U	19U	19U	19U	580U	50	**11,000**	**38**	**11,088**
MW4	1/25/02	45.61	22.15	23.46	6U	6.6U	6U	18U	10.6U	20.4U	13.8	**1,720**	**10.2**	**1,744.0**
MW5	10/30/00	43.44	17.80	25.64	0.3U	0.3U	0.3U	0.3U	0.4	17U	0.4U	**16**	0.4U	16.4
MW5	6/11/01	43.44	16.77	26.67	0.2U	0.2U	0.2U	0.2U	0.2U	5.8U	0.2U	**13**	0.3U	13
MW5	1/25/02	43.44	19.52	23.92	0.3U	0.33U	0.3U	0.9	0.53U	1.02U	0.27U	**4.7**	0.26U	4.7
MW6	10/30/00	46.26	20.03	26.23	5.2U	6.0U	5.2U	6.2U	**79**	340U	7.8U	**1,900**	**13**	**1,992**
MW6	6/11/01	46.26	19.15	27.11	9.5U	9.0U	9.5U	9.5U	62	290U	9.0U	**6,200**	**32**	**6,294**
MW6	1/25/02	46.26	21.92	24.34	1.5U	1.65U	1.5U	4.5U	2.65U	5.1U	1.35U	**239**	1.8U	**239**
MW7	1/25/02	36.35	18.31	18.04	1.5U	1.65U	1.5U	4.5U	3.88	5.1U	1.35U	**299**	**1.96**	**304.8**
Trip blank	1/25/02	---	---	---	0.3U	0.33U	0.3U	0.9U	0.53U	1.02U	0.27U	0.38U	0.36U	0

Explanation of terms:

D: Secondary dilution; U: Not detected at method detection limit indicated; ug/L: micrograms per liter

Detectable concentration in **bold type** exceed Ground Water Quality Standard

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Table 3. Soil Disposal Summary
Fleet Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Load Date	Manifest Number	Weight (pounds)	Date Received	Truck Number	Waste Hauler
12/11/01	NYB9492282	35,100	12/17/01	Rolloff	Horwith, Inc.
	NYB9492291	32,080	12/20/01	Rolloff	Horwith, Inc.
12/17/01	NYB9675063	46,220	12/18/01	534	Horwith, Inc.
	NYB9675054	47,780	12/18/01	85	Horwith, Inc.
	NYB9675045	37,880	12/18/01	530	Horwith, Inc.
	NYB9675036	48,360	12/18/01	556	Horwith, Inc.
	NYB9675126	38,580	12/18/01	CV1-141	Clean Venture, Inc.
	NYB9675135	36,220	12/18/01	CV-GMC	Clean Venture, Inc.
12/18/01	NYB9675072	36,940	12/19/01	544	Horwith, Inc.
	NYB9675081	46,460	12/19/01	453	Buffalo Fuel Corp.
	NYB9675099	43,160	12/19/01	6733	Page ETC
	NYB9675027	42,800	12/19/01	3158	Page ETC
	NYB9675108	41,980	12/19/01	528	Horwith, Inc.
	NYB9675117	43,840	12/21/01	702	Horwith, Inc.
	NYB9675324	38,140	12/19/01	543	Horwith, Inc.
	NYB9675333	43,340	12/21/01	6881	Buffalo Fuel Corp.
	NYB9675342	46,660	12/19/01	6840	Buffalo Fuel Corp.
	NYB9675414	56,300	12/19/01	465	Buffalo Fuel Corp.
12/19/01	NYB9675207	37,320	12/20/01	CV-GMC	Clean Venture, Inc.
	NYB9675216	42,720	12/20/01	141	Clean Venture, Inc.
	NYB9675351	42,240	12/20/01	541	Horwith, Inc.
	NYB9675369	45,560	12/20/01	574	Horwith, Inc.
	NYB9675171	41,760	12/20/01	9600	Price Trucking Corp.
	NYB9675378	47,140	12/20/01	85	Horwith, Inc.
	NYB9675189	45,360	12/20/01	11000	Price Trucking Corp.
	NYB9675225	35,360	1/3/02	138	Clean Venture, Inc.
	NYB9675729	43,940	12/20/01	9800	Price Trucking Corp.
	NYB9675234	26,080	12/20/01	143	Clean Venture, Inc.
	NYB9675765	37,820	12/20/01	8000	Price Trucking Corp.
	NYB9675738	42,420	12/20/01	8200	Price Trucking Corp.
	NYB9675387	40,560	12/20/01	531	Horwith, Inc.
	NYB9675153	30,740	1/3/02	141	Clean Venture, Inc.
12/20/01	NYB9675828	42,680	12/21/01	5241	Page ETC
	NYB9675837	43,320	12/21/01	1163	Price Trucking Corp.
	NYB9675846	42,180	12/21/01	7000	Price Trucking Corp.
	NYB9675855	34,600	12/21/01	195	Price Trucking Corp.
	NYB9675864	40,900	12/21/01	3158	Page ETC
	NYB9675774	35,800	12/21/01	5800	Price Trucking Corp.
	NYB9675783	42,460	12/21/01	6573	Page ETC
	NYB9675792	38,140	12/21/01	4726	Page ETC
	Total pounds:	1,640,940			
	Total tons:	820.47			

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Table 4. Summary of Volatile Organic Compounds in Post-excavation Soil Samples
Fleet Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	P1	P2	P3	P4	P5	NJDEP
Lab Identification Number	N5065-1	N5065-2	N5065-7	N5065-8	N5213-1	Soil
Sample Date	12-19-01	12-19-01	12-19-01	12-19-01	12-20-01	Quality
Sample Depth (feet below grade)	6.0	5.0	5.0	6.0	7.0	Criteria*
Concentration Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Targeted Compound						
Acrolein	3,000U	2,800U	2,400U	2,700U	2,600U	NA
Acrylonitrile	3,000U	2,800U	2,400U	2,700U	2,600U	1,000
Benzene	60U	56U	49U	53U	53U	1,000
Bromodichloromethane	300U	280U	240U	270U	260U	1,000
Bromoform	300U	280U	240U	270U	260U	1,000
Bromomethane	300U	280U	240U	270U	260U	1,000
Carbon tetrachloride	300U	280U	240U	270U	260U	1,000
Chlorobenzene	300U	280U	240U	270U	260U	1,000
Chloroethane	300U	280U	240U	270U	260U	NA
2-Chloroethyl vinyl ether	1,200U	1,100U	970U	1,100U	1,100U	NA
Chloroform	300U	280U	240U	270U	260U	1,000
Chloromethane	300U	280U	240U	270U	260U	10,000
Dibromochloromethane	300U	280U	240U	270U	260U	1,000
1,2-Dichlorobenzene	300U	280U	240U	270U	260U	50,000
1,3-Dichlorobenzene	300U	280U	240U	270U	260U	100,000
1,4-Dichlorobenzene	300U	280U	240U	270U	260U	100,000
Dichlorodifluoromethane	300U	280U	240U	270U	260U	NA
1,1-Dichloroethane	300U	280U	240U	270U	260U	10,000
1,2-Dichloroethane	300U	280U	240U	270U	260U	1,000
1,1-Dichloroethene	300U	280U	240U	270U	260U	8,000
cis -1,2-Dichloroethene	300U	280U	240U	270U	260U	1,000
trans -1,2-Dichloroethene	300U	280U	240U	270U	260U	50,000
1,2-Dichloropropane	300U	280U	240U	270U	260U	10,000
cis -1,3-Dichloropropene	300U	280U	240U	270U	260U	1,000
trans -1,3-Dichloropropene	300U	280U	240U	270U	260U	1,000
Ethylbenzene	60U	56U	49U	53U	53U	100,000
Methylene chloride	300U	280U	240U	270U	260U	1,000
1,1,2,2-Tetrachloroethane	300U	280U	240U	270U	260U	1,000
Tetrachloroethene	300U	280U	152	118J	577	1,000
Toluene	60U	56U	49U	53U	260U	500,000
1,1,1-Trichloroethane	300U	280U	240U	270U	260U	50,000
1,1,2-Trichloroethane	300U	280U	240U	270U	260U	1,000
Trichloroethene	300U	280U	240U	270U	260U	1,000
Trichlorofluoromethane	300U	280U	240U	270U	260U	NA
Vinyl chloride	300U	280U	240U	270U	260U	2,000
Xylenes	120U	110U	97U	110U	110U	67,000
Tentatively identified compounds	0	0	0	0	0	**

Explanation of terms:
J: Estimated concentration
NA: No criterion has been established for this constituent
U: Not detected at method detection limit indicated
ug/kg: micrograms per kilogram (dry weight)
*: Criteria listed is most restrictive soil cleanup criteria
**: Total volatile organic contaminants criterion is 1,000,000 ug/kg

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Table 4. Summary of Volatile Organic Compounds in Post-excavation Soil Samples
Fleet Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	P6	SE1	SE2	SE3	SE4	NJDEP
Lab Identification Number	N5213-5	N4873-1	N4945-1	N4945-2	N4945-3	Soil
Sample Date	12-10-01	12-17-01	12-18-01	12-18-01	12-18-01	Quality
Sample Depth (feet below grade)	6.5	17.5	21.0	18.5	20.0	Criteria*
Concentration Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Targeted Compound						
Acrolein	2,500U	3,400U	3,200U	2,800U	2,800U	NA
Acrylonitrile	2,500U	3,400U	3,200U	2,800U	2,800U	1,000
Benzene	51U	67U	63U	56U	56U	1,000
Bromodichloromethane	250U	340U	320U	280U	280U	1,000
Bromoform	250U	340U	320U	280U	280U	1,000
Bromomethane	250U	340U	320U	280U	280U	1,000
Carbon tetrachloride	250U	340U	320U	280U	280U	1,000
Chlorobenzene	250U	340U	320U	280U	280U	1,000
Chloroethane	250U	340U	320U	280U	280U	NA
2-Chloroethyl vinyl ether	1,000U	1,300U	1,300U	1,100U	1,100U	NA
Chloroform	250U	340U	320U	280U	280U	1,000
Chloromethane	250U	340U	320U	280U	280U	10,000
Dibromochloromethane	250U	340U	320U	280U	280U	1,000
1,2-Dichlorobenzene	250U	340U	320U	280U	280U	50,000
1,3-Dichlorobenzene	250U	340U	320U	280U	280U	100,000
1,4-Dichlorobenzene	250U	340U	320U	280U	280U	100,000
Dichlorodifluoromethane	250U	340U	320U	280U	280U	NA
1,1-Dichloroethane	250U	340U	320U	280U	280U	10,000
1,2-Dichloroethane	250U	340U	320U	280U	280U	1,000
1,1-Dichloroethene	250U	340U	320U	280U	280U	8,000
cis -1,2-Dichloroethene	250U	340U	320U	280U	280U	1,000
trans -1,2-Dichloroethene	250U	340U	320U	280U	280U	50,000
1,2-Dichloropropane	250U	340U	320U	280U	280U	10,000
cis -1,3-Dichloropropene	250U	340U	320U	280U	280U	1,000
trans -1,3-Dichloropropene	250U	340U	320U	280U	280U	1,000
Ethylbenzene	51U	67U	63U	56U	56U	100,000
Methylene chloride	250U	340U	320U	280U	280U	1,000
1,1,2,2-Tetrachloroethane	250U	340U	320U	280U	280U	1,000
Tetrachloroethene	**6,530**	340U	234J	280U	280U	1,000
Toluene	250U	67U	67U	56U	56U	500,000
1,1,1-Trichloroethane	250U	340U	320U	280U	280U	50,000
1,1,2-Trichloroethane	250U	340U	320U	280U	280U	1,000
Trichloroethene	250U	340U	320U	280U	280U	1,000
Trichlorofluoromethane	250U	340U	320U	280U	280U	NA
Vinyl chloride	250U	340U	320U	280U	280U	2,000
Xylenes	100U	130U	130U	110U	110U	67,000
Tentatively identified compounds	0	0	0	0	0	**

Explanation of terms:
J: Estimated concentration
NA: No criterion has been established for this constituent
U: Not detected at method detection limit indicated
ug/kg: micrograms per kilogram (dry weight)
*: Criteria listed is most restrictive soil cleanup criteria
**: Total volatile organic contaminants criterion is 1,000,000 ug/kg

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Table 4. Summary of Volatile Organic Compounds in Post-excavation Soil Samples
Fleet Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	SE5	SE6	SE7	SE8	SE9	NJDEP
Lab Identification Number	N5065-3	N5065-4	N5065-5	N5065-8	N5213-2	Soil
Sample Date	12-19-01	12-19-01	12-19-01	12-19-01	12-20-01	Quality
Sample Depth (feet below grade)	19.0	17.0	17.0	17.0	12.0	Criteria*
Concentration Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Targeted Compound						
Acrolein	3,300U	3,100U	2,800U	3,100U	2,600U	NA
Acrylonitrile	3,300U	3,100U	2,800U	3,100U	2,600U	1,000
Benzene	65U	62U	56U	62U	53U	1,000
Bromodichloromethane	330U	310U	280U	310U	260U	1,000
Bromoform	330U	310U	280U	310U	260U	1,000
Bromomethane	330U	310U	280U	310U	260U	1,000
Carbon tetrachloride	330U	310U	280U	310U	260U	1,000
Chlorobenzene	330U	310U	280U	310U	260U	1,000
Chloroethane	330U	310U	280U	310U	260U	NA
2-Chloroethyl vinyl ether	1,300U	1,200U	1,100U	1,200U	1,100U	NA
Chloroform	330U	310U	280U	310U	260U	1,000
Chloromethane	330U	310U	280U	310U	260U	10,000
Dibromochloromethane	330U	310U	280U	310U	260U	1,000
1,2-Dichlorobenzene	330U	310U	280U	310U	260U	50,000
1,3-Dichlorobenzene	330U	310U	280U	310U	260U	100,000
1,4-Dichlorobenzene	330U	310U	280U	310U	260U	100,000
Dichlorodifluoromethane	330U	310U	280U	310U	260U	NA
1,1-Dichloroethane	330U	310U	280U	310U	260U	10,000
1,2-Dichloroethane	330U	310U	280U	310U	260U	1,000
1,1-Dichloroethene	330U	310U	280U	310U	260U	8,000
cis-1,2-Dichloroethene	330U	310U	280U	310U	260U	1,000
trans-1,2-Dichloroethene	330U	310U	280U	310U	260U	50,000
1,2-Dichloropropane	330U	310U	280U	310U	260U	10,000
cis-1,3-Dichloropropene	330U	310U	280U	310U	260U	1,000
trans-1,3-Dichloropropene	330U	310U	280U	310U	260U	1,000
Ethylbenzene	65U	62U	56U	62U	53U	100,000
Methylene chloride	330U	310U	280U	310U	260U	1,000
1,1,2,2-Tetrachloroethane	330U	310U	280U	310U	260U	1,000
Tetrachloroethene	330U	310U	280U	522	**3,510**	1,000
Toluene	65U	62U	56U	62U	53U	500,000
1,1,1-Trichloroethane	330U	310U	280U	310U	260U	50,000
1,1,2-Trichloroethane	330U	310U	280U	310U	260U	1,000
Trichloroethene	330U	310U	280U	310U	260U	1,000
Trichlorofluoromethane	330U	310U	280U	310U	260U	NA
Vinyl chloride	330U	310U	280U	310U	260U	2,000
Xylenes	130U	120U	110U	120U	110U	67,000
Tentatively identified compounds	0	0	0	0	0	**

Explanation of terms:
J: Estimated concentration
NA: No criterion has been established for this constituent
U: Not detected at method detection limit indicated
ug/kg: micrograms per kilogram (dry weight)
*: Criteria listed is most restrictive soil cleanup criteria
**: Total volatile organic contaminants criterion is 1,000,000 ug/kg

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Table 4. Summary of Volatile Organic Compounds in Post-excavation Soil Samples
Fleet Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	SE10	SE11				NJDEP
Lab Identification Number	N5213-3	N5213-4				Soil
Sample Date	12-20-01	12-20-01				Quality
Sample Depth (feet below grade)	10.5	8.5				Criteria*
Concentration Units	ug/kg	ug/kg				ug/kg
Targeted Compound						
Acrolein	2,400U	2,200U				NA
Acrylonitrile	2,400U	2,200U				1,000
Benzene	48U	45U				1,000
Bromodichloromethane	240U	220U				1,000
Bromoform	240U	220U				1,000
Bromomethane	240U	220U				1,000
Carbon tetrachloride	240U	220U				1,000
Chlorobenzene	240U	220U				1,000
Chloroethane	240U	220U				NA
2-Chloroethyl vinyl ether	960U	900U				NA
Chloroform	240U	220U				1,000
Chloromethane	240U	220U				10,000
Dibromochloromethane	240U	220U				1,000
1,2-Dichlorobenzene	240U	220U				50,000
1,3-Dichlorobenzene	240U	220U				100,000
1,4-Dichlorobenzene	240U	220U				100,000
Dichlorodifluoromethane	240U	220U				NA
1,1-Dichloroethane	240U	220U				10,000
1,2-Dichloroethane	240U	220U				1,000
1,1-Dichloroethene	240U	220U				8,000
cis -1,2-Dichloroethene	149J	65.1J				1,000
trans -1,2-Dichloroethene	240U	220U				50,000
1,2-Dichloropropane	240U	220U				10,000
cis -1,3-Dichloropropene	240U	220U				1,000
trans -1,3-Dichloropropene	240U	220U				1,000
Ethylbenzene	48U	45U				100,000
Methylene chloride	240U	220U				1,000
1,1,2,2-Tetrachloroethane	240U	220U				1,000
Tetrachloroethene	**7,740**	**4,710**				1,000
Toluene	48U	45U				500,000
1,1,1-Trichloroethane	240U	220U				50,000
1,1,2-Trichloroethane	240U	220U				1,000
Trichloroethene	62.3J	220U				1,000
Trichlorofluoromethane	240U	220U				NA
Vinyl chloride	240U	220U				2,000
Xylenes	96U	90U				67,000
Tentatively identified compounds	0	0				**

Explanation of terms:
J: Estimated concentration
NA: No criterion has been established for this constituent
U: Not detected at method detection limit indicated
ug/kg: micrograms per kilogram (dry weight)
*: Criteria listed is most restrictive soil cleanup criteria
**: Total volatile organic contaminants criterion is 1,000,000 ug/kg

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Table 5. Summary of Volatile Organic Compounds in Ground Water (January 25, 2002)
Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	MW-1	MW-2	MW-3	MW-3D	MW-4	NJDEP
Lab Identification Number	0618-004	0618-007	0618-008	618-002DIL	618-006	Ground Water
Top of Casing Elevation (feet)	47.74	45.52	45.61	45.85	45.61	Quality
Depth to Ground Water (feet)	23.74	21.77	22.45	22.62	22.15	Criteria
Ground Water Elevation (feet)	24.00	23.75	23.16	23.23	23.46	Class II-A
Dilution Factor	2	100	20	10	20	--
Concentration Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Targeted Compound						
Chloromethane	1.22U	61U	12.2U	6.1U	12.2U	30
Vinyl chloride	0.66U	33U	6.6U	3.3U	6.6U	5
Bromomethane	0.94U	47U	9.4U	4.7U	9.4U	10
Chloroethane	1.3U	65U	13U	6.5U	13U	NA
Trichlorofluoromethane	0.76U	38U	7.6U	3.8U	7.6U	NA
Acrolein	11.9U	594U	119U	59.4U	119U	NA
1,1-Dichloroethene	1U	50U	10U	5U	10U	2
Methylene chloride	3.82U	191U	38.2U	19.1U	38.2U	2
Acrylonitrile	2.54U	127U	25.4U	12.7U	25.4U	2
tert- Butyl alcohol	2.04U	102U	20.4U	10.2U	20.4U	100
trans -1,2-Dichloroethene	0.78U	39U	7.8U	3.9U	7.8U	100
Methyl *tert*- butyl ether	1.24	53U	13	5.3U	10.6U	70
1,1-Dichloroethane	0.66U	33U	6.6U	3.3U	6.6U	50
cis -1,2-Dichloroethene	1.03	**88.1**	24.1	6.32	13.8	70
Chloroform	0.62U	31U	6.2U	3.1U	6.2U	6
1,1,1-Trichloroethane	0.76U	38U	7.6U	3.8U	7.6U	30
Carbon tetrachloride	0.78U	39U	7.8U	3.9U	7.8U	2
1,2-Dichloroethane	0.7U	35U	7U	3.5U	7U	2
Benzene	0.6U	30U	6U	3U	6U	1
Trichloroethene	0.72U	**46**	**54.3**	**10.4**	**10.2**	1
1,2-Dichloropropane	0.5U	25U	5U	2.5U	5U	1
Bromodichloromethane	0.5U	25U	5U	2.5U	5U	1
2-Chloroethyl vinyl ether	0.5U	25U	5U	2.5U	5U	NA
cis -1,3-Dichloropropene	0.38U	19U	3.8U	1.9U	3.8U	NA
Toluene	0.66U	33U	6.6U	3.3U	6.6U	1,000
trans -1,3-Dichloropropene	0.54U	27U	5.4U	2.7U	5.4U	NA
1,1,2-Trichloroethane	0.62U	31U	6.2U	3.1U	6.2U	3
Tetrachloroethene	**82.9**	**7,190**	**1,720**	**452**	**1,720**	1
Dibromochloromethane	0.62U	31U	6.2U	3.1U	6.2U	10
Chlorobenzene	0.56U	28U	5.6U	2.8U	5.6U	50
Ethylbenzene	0.6U	30U	6U	3U	6U	700
Xylenes	1.8U	90U	18U	9U	18U	1,000
Bromoform	0.56U	28U	5.6U	2.8U	5.6U	4
1,1,2,2-Tetrachloroethane	0.54U	27U	5.4U	2.7U	5.4U	1
1,3-Dichlorobenzene	0.44U	22U	4.4U	2.2U	4.4U	75
1,4-Dichlorobenzene	0.44U	22U	4.4U	2.2U	4.4U	2
1,2-Dichlorobenzene	0.38U	19U	3.8U	1.9U	3.8U	600

Explanation of terms:
NA: No criterion has been established for this constituent; U: not detected at method detection limit indicated; ug/L: micro-grams per liter
Concentrations in **bold** type are more than NJDEP Ground Water Quality Criteria

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Table 5. Summary of Volatile Organic Compounds in Ground Water (January 25, 2002)
Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township, Monmouth County, New Jersey

Sample Identification Number	MW-5	MW-6	MW-7			NJDEP
Lab Identification Number	618-003	618-005	618-001			Ground Water
Top of Casing Elevation (feet)	43.44	46.26	36.35			Quality
Depth to Ground Water (feet)	19.52	21.92	18.31			Criteria
Ground Water Elevation (feet)	23.92	24.34	18.04			Class II-A
Dilution Factor	1	5	5			--
Concentration Units	ug/L	ug/L	ug/L			ug/L
Targeted Compound						
Chloromethane	0.61U	3.05U	3.05U			30
Vinyl chloride	0.33U	1.65U	1.65U			5
Bromomethane	0.47U	2.35U	2.35U			10
Chloroethane	0.65U	3.25U	3.25U			NA
Trichlorofluoromethane	0.38U	1.9U	1.9U			NA
Acrolein	5.94U	29.7U	29.7U			NA
1,1-Dichloroethene	0.5U	2.5U	2.5U			2
Methylene chloride	1.91U	9.55U	9.55U			2
Acrylonitrile	1.27U	6.35U	6.35U			2
tert- Butyl alcohol	1.02U	5.1U	5.1U			100
trans -1,2-Dichloroethene	0.39U	1.95U	1.95U			100
Methyl *tert*- butyl ether	0.53U	2.65U	3.88			70
1,1-Dichloroethane	0.33U	1.65U	1.65U			50
cis -1,2-Dichloroethene	0.27U	1.35U	1.35U			70
Chloroform	0.31U	1.55U	1.55U			6
1,1,1-Trichloroethane	0.38U	1.9U	1.9U			30
Carbon tetrachloride	0.39U	1.95U	1.95U			2
1,2-Dichloroethane	0.35U	1.75U	1.75U			2
Benzene	0.3U	1.5U	1.5U			1
Trichloroethene	0.36U	1.8U	**1.96**			1
1,2-Dichloropropane	0.25U	1.25U	1.25U			1
Bromodichloromethane	0.25U	1.25U	1.25U			1
2-Chloroethyl vinyl ether	0.25U	1.25U	1.25U			NA
cis -1,3-Dichloropropene	0.19U	0.95U	0.95U			NA
Toluene	0.33U	1.65U	1.65U			1,000
trans -1,3-Dichloropropene	0.27U	1.35U	1.35U			NA
1,1,2-Trichloroethane	0.31U	1.55U	1.55U			3
Tetrachloroethene	**4.7**	**239**	**299**			1
Dibromochloromethane	0.31U	1.55U	1.55U			10
Chlorobenzene	0.28U	1.4U	1.4U			50
Ethylbenzene	0.3U	1.5U	1.5U			700
Xylenes	0.9U	4.5U	4.5U			1,000
Bromoform	0.28U	1.4U	1.4U			4
1,1,2,2-Tetrachloroethane	0.27U	1.35U	1.35U			1
1,3-Dichlorobenzene	0.22U	1.1U	1.1U			75
1,4-Dichlorobenzene	0.22U	1.1U	1.1U			2
1,2-Dichlorobenzene	0.19U	.95U	.95U			600

Explanation of terms:
NA: No criterion has been established for this constituent; U: not detected at method detection limit indicated; ug/L: micrograms per liter
Concentrations in **bold** type are more than NJDEP Ground Water Quality Criteria

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Appendix 1

NJDEP - Bureau of Water Allocation Records

SUBJECT TO REVISION

100,000 GPD WATER WITHDRAWAL POINTS ONLY AND CONTAMINATED SITES WITHIN 5.0 MILES OF:

LATITUDE 400808
LONGITUDE 740345

DRAFT

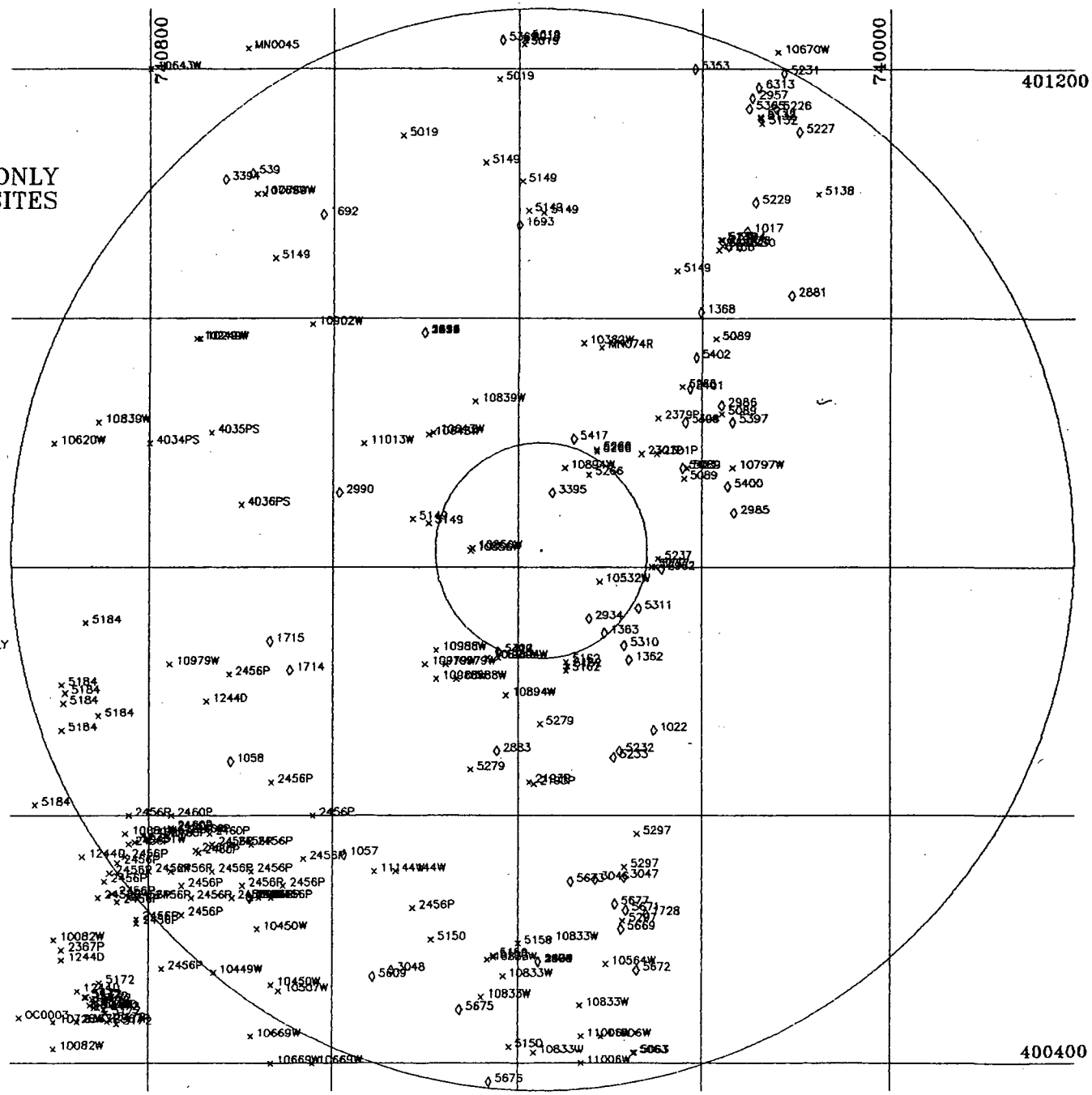
SCALE: 1:63,360
(1 Inch = 1 Mile)

× 100,000 GPD WATER WITHDRAWAL POINTS ONLY
◊ CONTAMINATED SITES
1 MILE AND 5 MILE RADII INDICATED

CONTAMINATED SITE LIST
AS OF 03/21/95

PLOT PRODUCED BY:
NJDEP
WATER SUPPLY ELEMENT
BUREAU OF WATER ALLOCATION
CN-426
TRENTON, NJ 08625

DATE: 01/26/02



SUBJECT TO REVISION

SITE#	NAME	ADDRESS	MUN	COUNTY	CSL#	CASE#	LAT	LON	DISTANCE	CONTAC
539	BUCK ENGINEERING COMPANY INCORPORATED	1730 RTE 34	WALL TOWNSHIP	MONMOUTH	NJD980778450	E90169	401110	740653	4.4	BEECRA
1017	AMOCO SERVICE STATION BELMAR BOROUGH	1200 MAIN ST	BELMAR BOROUGH	MONMOUTH	NJL000070524	940374	401042	740131	3.5	BFCM
1022	DYNA MARINE	381 BRIELLE RD	MANASQUAN BOROUGH	MONMOUTH	NJL600125728	931230	400641	740232	2.0	BFCM
1031	BEL RAY COMPANY INCORPORATED	111 BOWMAN AVE	WALL TOWNSHIP	MONMOUTH	NJD002145811	NJD002145811	400953	740501	2.3	BFCM
1032	DORRERS CORNER GARAGE	1460 RTE 34	WALL TOWNSHIP	MONMOUTH	NJL600035406	9409182	400953	740501	2.3	BFCM
1033	WALL AUTO WRECKERS	1818 H ST	WALL TOWNSHIP	MONMOUTH	NJL000010512	9503113	400953	740501	2.3	BFCM
1057	AMOCO SERVICE STATION BRICK TOWNSHIP	18TH AVE & HERBERTSVILLE RD	BRICK TOWNSHIP	OCEAN	NJL000069980	931228	400541	740553	3.4	BFCM
1058	BRICK TOWNSHIP LANDFILL	SALLY IKE RD	BRICK TOWNSHIP	OCEAN	NJD980505176	921232	400626	740707	3.5	BFCM
1351	GULF SERVICE STATION BELMAR BOROUGH	1801 RTE 71 & 18TH AVE	BELMAR BOROUGH	MONMOUTH	NJL000068833	930722	400953	740501	2.3	BFCM-6
1362	DONMAR MANUFACTURING CORPORATION	206 MAIN ST	MANASQUAN BOROUGH	MONMOUTH	NJL500009402	940260	400715	740248	1.3	BFCM-6
1363	MONMOUTH TOOL & EQUIPMENT COMPANY INC	30 BROAD ST REAR	MANASQUAN BOROUGH	MONMOUTH	NJL600023402	0035796	400728	740304	1.0	BFCM-6
1368	BRAVERMAN REALTY INTERESTS	905 5TH AVE	OCEAN TOWNSHIP	MONMOUTH	NJL600160048	9409101	401003	740201	2.7	BFCM-6
1406	THE OCEAN COUNTY UTIL AUTH NPS 8	OCEAN AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJL600145007	0221799	400449	740347	3.8	BFCM-6
1692	GARDEN STATE PARKWAY LANDFILL	GS PWY MM 98.9	WALL TOWNSHIP	MONMOUTH	NJD982274292	930193	401050	740607	3.7	BFD-CA
1693	HEALEY AUTOMOTIVE CENTER	2801 BELMAR BLVD	WALL TOWNSHIP	MONMOUTH	NJL600239065	950591	401045	740400	3.0	BFD-CA
1714	JAMES H JAMES LANDFILL	SCHOOLHOUSE RD	BRICK TOWNSHIP	OCEAN	NJL000042119	9307127	400710	740628	2.6	BFD-CA
1715	RIDGE ROAD LANDFILL	RIDGE RD	BRICK TOWNSHIP	OCEAN	NJD981173354	9304166	400724	740641	2.7	BFD-CA
1728	POINT PLEASANT BEACH BOROUGH WATER DEPT	416 NEW YORK AVE	POINT PLEASANT BOROUGH	OCEAN	NJL880002431	930116	400512	740237	3.5	BFD-CA
2881	114 19TH AVENUE	114 19TH AVE	BELMAR BOROUGH	MONMOUTH	NJL000045971	9208171358	401011	740103	3.3	BFD-S
2882	TECHNICAL SYSTEMS	1309 H ST	BELMAR BOROUGH	MONMOUTH	NJL000061291	9304061252	401035	740143	3.3	BFD-S
2883	29D MULBERRY COURT	29D MULBERRY CT	BRIELLE BOROUGH	MONMOUTH	NJL000050518	9210301502	400631	740414	1.9	BFD-S
2934	SCHAFER OIL COMPANY INCORPORATED	5 MAIN ST N	MANASQUAN BOROUGH	MONMOUTH	NJD011417649	87111601	400735	740314	0.8	BFD-S
2957	STAT AMBULANCE	60 STEINER AVE	NEPTUNE CITY BOROUGH	MONMOUTH	NJL000045245	950655	401146	740126	4.6	BFD-S
2982	JCP&L COMPANY STOCKTON SUBSTATION	RTES 71 & 524	SEA GIRT BOROUGH	MONMOUTH	NJL800075004	940712163600	400759	740227	1.2	BFD-S
2985	107 1ST AVENUE	107 1ST AVE	SPRING LAKE BOROUGH	MONMOUTH	NJL000063917	9308119	400826	740139	1.9	BFD-S
2986	407 WASHINGTON AVENUE	407 WASHINGTON AVE	SPRING LAKE BOROUGH	MONMOUTH	NJL800089849	940921090757	400918	740147	2.2	BFD-S
2990	PLASTI CLAD METAL PRODUCTS INCORPORATED	RIDGEWOOD RD	WALL TOWNSHIP	MONMOUTH	NJD980770655	9208310952	400836	740556	2.0	BFD-S
2991	SERVICE STATION WALL TOWNSHIP	RTE 35 & LAKEWOOD RD	WALL TOWNSHIP	MONMOUTH	NJL800093627	941011115721	400953	740501	2.3	BFD-S
2995	NJ TRANSIT INCORPORATED	TWILIGHT DR	BAY HEAD BOROUGH	OCEAN	NJD000688614	9209181359	400449	740347	3.8	BFD-S
2999	43 ADAIR DRIVE	43 ADAIR DR	BRICK TOWNSHIP	OCEAN	NJL800081051	940731092237	400520	740654	4.2	BFD-S
3004	JCP&L COMPANY SILVERTON SUBSTATION	HOOPER AVE & BRICK BLVD	BRICK TOWNSHIP	OCEAN	NJD982281750	940712162100	400520	740654	4.2	BFD-S
3006	SHELL SERVICE STATION BRICK TOWNSHIP	RTE 88	BRICK TOWNSHIP	OCEAN	NJL880001490	9007271548	400520	740654	4.2	BFD-S
3046	POINT VILLAGE MALL	651 ARNOLD AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJL800104820	941205111000	400529	740310	3.1	BFD-S
3047	US POSTAL SERVICE POINT PLEASANT BEACH	410 ARNOLD AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJ4180000099	930730	400530	740251	3.1	BFD-S
3048	AMOCO SERVICE STATION POINT PLEASANT	3201 RTE 88	POINT PLEASANT BOROUGH	OCEAN	NJL800010514	950428111909	400445	740522	4.1	BFD-S
3194	BELMAR COAL GAS (JCP&L & NJNG)	16TH & RAILROAD AVES	BELMAR BOROUGH	MONMOUTH	NJD980770481	NJD980770481	401038	740142	3.4	BSCM
3394	MONITOR DEVICES INCORPORATED	RTE 34 (AIRPORT ACCESS RD)	WALL TOWNSHIP	MONMOUTH	NJD980529408	M072	401107	740711	4.6	BSM
3395	WALDICK AEROSPACE DEVICES INCORPORATED	2117 TO 2121 RTE 35	WALL TOWNSHIP	MONMOUTH	NJD054981337	NJD054981337	400836	740338	0.5	BSM
3417	BRETON HARBORS GRD WTR CONTAMINATION	BRETON HARBOR DR	DOVER TOWNSHIP	OCEAN	NJL000030890	NJL000030890	400520	740654	4.2	BSM
5226	AVON FUEL OIL INCORPORATED	616 NORWOOD AVE	AVON-BY-THE-SEA BOROUGH	MONMOUTH	NJD011079763	0069753	401141	740113	4.6	BUST
5227	AVON-BY-THE-SEA BOROUGH MAINTENANCE YARD	S STATION AVE	AVON-BY-THE-SEA BOROUGH	MONMOUTH	NJL600249973	0069744	401130	740052	4.6	BUST
5228	BELMAR BOROUGH MARINA	900 MARINA AVE	BELMAR BOROUGH	MONMOUTH	NJC876009178	0200512	400953	740501	2.3	BUST
5229	FREEDMANS BAKERY INCORPORATED	803 MAIN ST	BELMAR BOROUGH	MONMOUTH	NJL600131189	0204040	401056	740126	3.8	BUST
5230	STERN ASSOCIATE	713 13TH AVENUE	BELMAR BOROUGH	MONMOUTH	NJL600196653	0237288	401035	740136	3.4	BUST
5231	HESS SERVICE STATION BRADLEY BEACH BORO	1009 MAIN ST	BRADLEY BEACH BOROUGH	MONMOUTH	NJL600055727	0087870	401158	740108	5.0	BUST
5232	BRIELLE ANCHORAGE	512 GREEN AVE	BRIELLE BOROUGH	MONMOUTH	NJL000058073	0144380	400631	740254	2.0	BUST
5233	HOFFMANS MARINA	602 GREEN AVE	BRIELLE BOROUGH	MONMOUTH	NJL600090450	0143039	400628	740258	2.0	BUST
5309	EXXON SERVICE STATION MANASQUAN BOROUGH	RTE 71 & MAIN ST	MANASQUAN BOROUGH	MONMOUTH	NJD986603669	0086772	400719	740413	1.0	BUST
5310	HOWARD HEIGHT AUTO	38 TAYLOR AVE	MANASQUAN BOROUGH	MONMOUTH	NJL600054431	0085980	400722	740251	1.2	BUST
5311	MOBIL SERVICE STATION MANASQUAN BOROUGH	218 PARKER AVE (RTE 71 N)	MANASQUAN BOROUGH	MONMOUTH	NJD986606176	0062723	400740	740242	1.1	BUST
5312	MOBIL SERVICE STATION MANASQUAN BOROUGH	RTE 71 & CURTIS AVE	MANASQUAN BOROUGH	MONMOUTH	NJD986606184	0305138	400719	740413	1.0	BUST
5313	SUNOCO SERVICE STATION MANASQUAN BOROUGH	RTE 71 & SEA GIRT AVE	MANASQUAN BOROUGH	MONMOUTH	NJD981142235	0148133	400719	740413	1.0	BUST
5353	GETTY SERVICE STATION NEPTUNE CITY BORO	SYLVANIA & NEPTUNE AVES	NEPTUNE CITY BOROUGH	MONMOUTH	NJL600010706	0016166	401160	740205	4.7	BUST
5365	MONMOUTH OIL BURNER & FUEL COMPANY INC	38 RTE 35	NEPTUNE TOWNSHIP	MONMOUTH	NJL600194054	0043553	401141	740130	4.5	BUST
5369	WELSH FARMS	703 OLD CORLIES AVE	NEPTUNE TOWNSHIP	MONMOUTH	NJL600121339	0190538	401214	740411	4.7	BUST

SITE#	NAME	ADDRESS	MUN	COUNTY	CSL#	CASE#	LAT	LON	DISTANCE	CONTAC
5397	CLAYTON LIMOUSINE COMPANY	1207 3RD AVE	SPRING LAKE BOROUGH	MONMOUTH	NJL800027856	0252010	400910	740140	2.2	BUST
5398	EXXON SERVICE STATION SPRING LAKE BORO	RTE 71 & WARREN AVE	SPRING LAKE BOROUGH	MONMOUTH	NJD986610558	0083766	400910	740211	1.8	BUST
5399	MOBIL SERVICE STATION SPRING LAKE BORO	RTE 71 & SHORE PL	SPRING LAKE BOROUGH	MONMOUTH	NJD986606325	0062264	400910	740211	1.8	BUST
5400	SAINT CATHERINES SCHOOL	2ND & SALEM AVES	SPRING LAKE BOROUGH	MONMOUTH	NJL600142442	0218559	400839	740143	1.9	BUST
5401	BROWNS AUTO SHOP	1820 RTE 71	SPRING LAKE HEIGHTS BOROUGH	MONMOUTH	NJD986616167	0151797	400926	740208	2.1	BUST
5402	GETTY SERVICE STATION SPRING LAKE HEIGHT	2313 RTE 71 & WALL RD	SPRING LAKE HEIGHTS BOROUGH	MONMOUTH	NJL600199129	0016995	400941	740204	2.3	BUST
5403	SPRING LAKE HEIGHTS DEPT OF PUBLIC WORKS	555 ATLANTIC AVE	SPRING LAKE HEIGHTS BOROUGH	MONMOUTH	NJD981873342	0044435	400848	740213	1.5	BUST
5404	SPRING LAKE MINI MALL	RTE 71 S & WALL RD	SPRING LAKE HEIGHTS BOROUGH	MONMOUTH	NJL800002966	9411126	400910	740211	1.8	BUST
5412	ALLAIRE STATE PARK	RTE 524	WALL TOWNSHIP	MONMOUTH	NJD980786818	NJL600187314-001	400953	740501	2.3	BUST
5413	AMOCO SERVICE STATION WALL TOWNSHIP	RTE 35 & WARREN RD	WALL TOWNSHIP	MONMOUTH	NJD986611044	0017363	400953	740501	2.3	BUST
5414	AMOCO SERVICE STATION WALL TOWNSHIP	RTES 33 & 34	WALL TOWNSHIP	MONMOUTH	NJL600071757	0114022	400953	740501	2.3	BUST
5415	EXXON SERVICE STATION WALL TOWNSHIP	RTES 33 & 34	WALL TOWNSHIP	MONMOUTH	NJD986599967	0073686	400953	740501	2.3	BUST
5416	EXXON SERVICE STATION WALL TOWNSHIP	RTES 34 & 35	WALL TOWNSHIP	MONMOUTH	NJD986608511	0073587	400953	740501	2.3	BUST
5417	FIRESTONE TIRE & RUBBER PROPERTY	2001 RTE 35	WALL TOWNSHIP	MONMOUTH	NJL600075915	0120584	400902	740324	1.1	BUST
5418	GARDEN STATE PWY MONMOUTH SERVICE AREA	GS PWY MM 100.1	WALL TOWNSHIP	MONMOUTH	NJD982276818	0141040M	400953	740501	2.3	BUST
5420	HESS SERVICE STATION WALL TOWNSHIP	RTE 70	WALL TOWNSHIP	MONMOUTH	NJL600043160	0066675	400719	740413	1.0	BUST
5593	THE OCEAN COUNTY UTIL AUTH WPS 7	BRIDGE AVE	BAY HEAD BOROUGH	OCEAN	NJL600144992	0221780	400449	740347	3.8	BUST
5609	MOBIL SERVICE STATION BRICK TOWNSHIP	RTE 88 & JORDAN RD	BRICK TOWNSHIP	OCEAN	NJD986605525	0062741	400442	740534	4.2	BUST
5611	OCEAN COUNTY MUNICIPAL UTILITIES AUTH	JORDAN & PRINCETON RDS	BRICK TOWNSHIP	OCEAN	NJL800095812	0142779	400520	740654	4.2	BUST
5616	THE OCEAN COUNTY UTIL AUTH MWPCF	255 MANTOLOKING RD	BRICK TOWNSHIP	OCEAN	NJD986610327	0142760	400520	740654	4.2	BUST
5617	WINTER YACHT BASIN INCORPORATED	5 MANTOLOKING RD	BRICK TOWNSHIP	OCEAN	NJL600031108	0048044	400520	740654	4.2	BUST
5669	BLM REALTY INCORPORATED	508 WASHINGTON AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJL600133714	0207155	400505	740253	3.6	BUST
5670	EXXON SERVICE STATION PT PLEASANT BEACH	RTE 35 & POINT PLEASANT PWY	POINT PLEASANT BEACH BOROUGH	OCEAN	NJD986599694	0083513	400449	740347	3.8	BUST
5671	JCP&L POINT PLEASANT DISTRICT OFFICE	416 NEW JERSEY AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJD981565054	0099787	400514	740250	3.4	BUST
5672	SEA GARDEN CONDOMINIUM	300 SEA AVE	POINT PLEASANT BEACH BOROUGH	OCEAN	NJL600196075	9406137	400445	740243	4.0	BUST
5673	CLARKS LANDING MARINA INCORPORATED	847 ARNOLD AVE	POINT PLEASANT BOROUGH	OCEAN	NJL600059794	0094340	400528	740326	3.1	BUST
5674	EXXON SERVICE STATION POINT PLEASANT	RTE 88 (OCEAN RD) & BAY AVE	POINT PLEASANT BOROUGH	OCEAN	NJD981141302	0083469	400449	740347	3.8	BUST
5675	GETTY SERVICE STATION POINT PLEASANT	2501 BRIDGE AVE	POINT PLEASANT BOROUGH	OCEAN	NJX000293878	0125886	400426	740438	4.3	BUST
5676	OCEAN COUNTY UTILITIES AUTHORITY	1636 BEAVERDAM RD	POINT PLEASANT BOROUGH	OCEAN	NJL800095341	0142788	400351	740419	4.9	BUST
5677	SUNOCO SERVICE STATION POINT PLEASANT	RICHMOND & ATLANTIC AVES	POINT PLEASANT BOROUGH	OCEAN	NJD000705434	0165008	400517	740257	3.3	BUST
6313	EAST COAST ICE COMPANY	80 STEINER AVE	NEPTUNE CITY BOROUGH	MONMOUTH	NJL800011124	930820163213	401151	740124	4.7	EPA

Number of Observations: 86

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
10081W	BRICK BD ED MAINTENANCE DEPT.	2910064	1	400551	740815	T	4.7	29	06	142	GTCK		110
	BRICK BD ED MAINTENANCE DEPT.	2910065	2	400551	740815	T	4.7	29	06	138	GTCK		85
10082W	BRICK BD ED MAINTENANCE DEPT.	2906021	1	400407	740900	T	6.5	29	06	548	GKMW		
	BRICK BD ED MAINTENANCE DEPT.	2904780	2	400500	740900		5.8	29	06	52	GTCK		45
10249W	ARTHUR BRISBANE CHILD TR. CTR.	2906193	WELL 1	400950	740728	G	3.8	25	52	1033	GKROB		125
	ARTHUR BRISBANE CHILD TR. CTR.	2911703	WELL 2	400950	740730	G	3.8	25	52	518	GKMW		125
10382W	CLAYTON BLOCK CO.	2914758	WELL 1	400948	740318	T	2.0	25	52	99	GTCK		150
10449W	BRICK BD ED MAINTENANCE DEPT.	2902328		400444	740718	T	5.0	29	06	528	GKMW		100
10450W	BRICK BD ED MAINTENANCE DEPT.	2905946		400438	740640	T	4.8	29	06	63	GTCH		30
	BRICK BD ED MAINTENANCE DEPT.	2906022		400505	740649	T	4.4	29	06	586	GKMW		120
10451W	BRICK TWP. BOARD OF EDUCATION	2904136		400547	740809	T	4.7	29	06	140	GTCK		100
10507W	CHURCH OF ST. DOMINIC	2904283		400435	740635	F	4.8	29	06	591	GKMW		92
10532W	MANASQUAN BORO/MAC'S POND	2920583	WELL 1	400753	740307	T	0.6	25	27	114	GTKW		150
10564W	A.E. STYLES MFG/GRAND CAR WASH	2923241		400448	740303		3.9	29	24	180	GTKW		75
10620W	US ARMY CORPS OF ENGINEERS	2922693	2	400900	740900	F	4.7	25	19	140	GTVT		
10643W	VICTOR @ ALLAIRE	2922124	WELL 3	400904	740458	T	1.5	25	52	88	GTKW		50
	VICTOR @ ALLAIRE	2922125	WELL 1	400905	740455	T	1.5	25	52	88	GTKW		70
	VICTOR @ ALLAIRE	2906745	WELL 4	401200	740800	T	5.8	25	52	400			50
10669W	PRINCETON COMMONS/AVITT MNGMT.	2922822	3	400400	740640		5.4	29	06	51	GTCH		45
	PRINCETON COMMONS/AVITT MNGMT.	2923969	5	400400	740640		5.4	29	06	58	GTCH		40
	PRINCETON COMMONS/AVITT MNGMT.	2923899	7	400400	740640		5.4	29	06	52	GTCH		42
	PRINCETON COMMONS/AVITT MNGMT.	2923887	9	400400	740613		5.2	29	06	53	GTCH		44
	PRINCETON COMMONS/AVITT MNGMT.	2940615	WELL 8R	400413	740653	T	5.3	29	06	77	GTCH		50
10670W	SANITARY LAUNDRY	2925452	SW#4	401208	740112		5.1	29	34	45	GTKW		25
	SANITARY LAUNDRY	2925575	SW#3	401208	740112		5.1	29	34	48	GTKW		25
	SANITARY LAUNDRY	2925576	SW#2	401208	740112		5.1	29	34	48	GTKW		25
	SANITARY LAUNDRY	2925577	SW#1	401208	740112		5.1	29	34	49	GTKW		25
10728W	OCEAN ICE PALACE, INC.	2907657	WELL 2	400420	740900	T	6.3	29	06	61	GQCM		65
	OCEAN ICE PALACE, INC.	2919989	WELL 3	400420	740900	T	6.3	29	06	77	GQCM		65
10769W	ADAM SPENCE CORPORATION	2912381	1	401100	740650	T	4.3	25	52	432			100
	ADAM SPENCE CORPORATION	HURLEY'S POND	INTAKE 1	401100	740645	U	4.2	25	52				100
10797W	ESSEX & SUSSEX ASSO. L.P.	4900069	1	400848	740140	U	2.0	25	48	699	GKET		150
10833W	POINT PLEASANT BOARD OF ED.	2932095	MEMRL 23A	400442	740410	T	4.0	29	24	93	GTCK		70
	POINT PLEASANT BOARD OF ED.	2932030	OCEAN 22A	400500	740340	T	3.6	29	24	100	GTCK		160
	POINT PLEASANT BOARD OF ED.	2907955	WHITEN 13A	400450	740420	T	3.8	29	24	75	GTCK		65
	POINT PLEASANT BOARD OF ED.	2910233	CTRFLD 16A	400432	740424	T	4.2	29	24	76	GTCK		65
	POINT PLEASANT BOARD OF ED.	4936611	CRTYRD 7A	400432	740424	U	4.2	29	24	25	GTCK		18
	POINT PLEASANT BOARD OF ED.	4936610	BRDOFC 11A	400442	740410	U	4.0	29	24	25	GTCK		18
	POINT PLEASANT BOARD OF ED.	2916813	MORE 19RDA	400428	740320	T	4.2	29	24	55	GTCK		48
	POINT PLEASANT BOARD OF ED.	2928135	NWDRV 21A	400405	740350	T	4.6	29	24	120	GTCK		70
10839W	WALL TOWNSHIP	2922700	1 BALLFLD	400920	740428	T	1.5	25	52	135	GTCK		75
	WALL TOWNSHIP	2922824	2 TOWNHALL	400910	740832	T	4.4	25	52	135	GTCK		75
10856W	ATLANTIC CLUB	2927813	1	400809	740430	T	0.7	25	52	170	GTCH		50
	ATLANTIC CLUB	2927812	2	400808	740431	T	0.7	25	52	165	GTCH		50
10894W	BAHADURIAN, RICHARD/VALLEY PAR	2916533	WELL 1	400716	740413	T	1.1	25	52	160	GTCH		50
	BAHADURIAN, RICHARD/VALLEY PAR	2916991	WELL 2	400716	740420	T	1.1	25	52	150	GTCH		70
	BAHADURIAN, RICHARD/VALLEY PAR	2918577	WELL 3	400658	740408	T	1.4	25	52	135	GTCH		45
	BAHADURIAN, RICHARD/VALLEY PAR	2922149	WELL 4	400848	740330	T	0.8	25	52	100	GTCH		22
10902W	MNMTH/ATLANTIC C/O CALI RLTY	2923049	WELL 1	400957	740614	F	3.0	25	52	140	GTVT		70
10979W	PHEASANT HOLLOW CONDO	2936594	WELL 9	400713	740500	T	1.5	25	27	172	GTCK		35
	PHEASANT HOLLOW CONDO	2936574	WELL 1	400713	740747	T	3.7	25	27	166	GTCK		35
	PHEASANT HOLLOW CONDO	2936575	WELL 3	400713	740747	T	3.7	25	27	167	GTCK		35
	PHEASANT HOLLOW CONDO	2936593	WELL 7	400713	740447	T	1.4	25	27	172	GTCK		35
10988W	FOUR SEASONS-WENTWORTH GROUP	2936573	WELL 1	400706	740440	T	1.4	25	52	120	GTCK		35
	FOUR SEASONS-WENTWORTH GROUP	2936576	WELL 2	400706	740453	T	1.5	25	52	120	GTCK		35

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
	FOUR SEASONS-WENTWORTH GROUP	2937032	WELL 3	400706	740440	T	1.4	25	52	120	GTDK		35
	FOUR SEASONS-WENTWORTH GROUP	2937177	WELL 4	400720	740453	T	1.4	25	52	120	GTDK		35
11006W	BAY POINT HARBOUR CONDO ASSOC	2936452	WELL 1	400413	740306	T	4.5	29	24	123	GTKW		20
	BAY POINT HARBOUR CONDO ASSOC	2936516	WELL 5	400400	740319	T	4.8	29	24	123	GTKW		20
	BAY POINT HARBOUR CONDO ASSOC	2936559	WELL 4	400400	740319	T	4.8	29	24	121	GTKW		20
	BAY POINT HARBOUR CONDO ASSOC	2936560	WELL 2	400413	740319	T	4.5	29	24	121	GTKW		20
	BAY POINT HARBOUR CONDO ASSOC	2936561	WELL 3	400413	740319	T	4.5	29	24	123	GTKW		20
11013W	MONMOUTH COUNTY PARK SYSTEM	HANNABRAND BRK	INTAKE 1	400900	740540	T	1.9	25	52		GTCH		450
	MONMOUTH COUNTY PARK SYSTEM	HANNABRAND BRK	INTAKE 2	400900	740540	T	1.9	25	52		GTCH		150
11144W	CONTINENTAL PROPERTIES	2938380	1	400533	740533	F	3.4	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2938382	2	400533	740533	F	3.4	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2938383	3	400533	740533		3.4	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2938384	4	400533	740533		3.4	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2938385	5	400533	740519		3.3	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2939144	6	400533	740533		3.4	29	06	70	GTDK		55
	CONTINENTAL PROPERTIES	2941831	7	400533	740533		3.4	29	06	60	GTDK		55
1244D	BRICK TWP MUA	TRENCH 1	RAW WTR PU	400427	740834	S	6.0	29	06	9	GTCH		
	BRICK TWP MUA	TRENCH 2	PINEWOOD R	400450	740855	S	5.9	29	06	9	GTCH		
	BRICK TWP MUA	TRENCH 3	LAUREL BK	400435	740845	S	6.0	29	06	9	GTCH		
	BRICK TWP MUA	TRENCH 4	BURRSVILLE	400540	740842		5.2	29	06	15	GTCH		
	BRICK TWP MUA	TRENCH 5	SAWMILL CR	400655	740723		3.5	29	06	10	GTCH		
2193P	MANASQUAN RIVER GOLF CLUB	2919896	WELL 4	400615	740350	F	2.2	25	08	138	GTKW		175
	MANASQUAN RIVER GOLF CLUB	2911444	WELL 2	400616	740353	F	2.1	25	08	160	GTKW		350
	MANASQUAN RIVER GOLF CLUB	2911445	WELL 3	400616	740353	F	2.1	25	08	140	GTKW		350
	MANASQUAN RIVER GOLF CLUB	POND 1		400615	740350	U	2.2	25	08				950
2301P	SPRING LAKE GOLF CLUB	2913585	1	400855	740230	F	1.4	25	49	90	GTKW		100
	SPRING LAKE GOLF CLUB	2913586	2	400855	740230	F	1.4	25	49	105	GTKW		350
	SPRING LAKE GOLF CLUB	2913424	3	400855	740240	F	1.3	25	49	102	GTKW		350
	SPRING LAKE GOLF CLUB		INTAKE 1	400855	740230	F	1.4	25	49		SCMON		350
2367P	OCEAN COUNTY/FORGE POND GOLF C	POND 1	POND 1	400420	740826	T	6.0	29	06	11	GRS		620
	OCEAN COUNTY/FORGE POND GOLF C	POND 2	POND 2	400420	740826	T	6.0	29	06	11	GRS		620
	OCEAN COUNTY/FORGE POND GOLF C	2920499	1	400420	740845	T	6.2	29	06	42	GRS		60
	OCEAN COUNTY/FORGE POND GOLF C	2919933	2	400455	740855	T	5.8	29	06	46	GRS		60
2379P	FAIRWAY MEWS COMMUNITY ASSOC.	2904360	WELL 1	400912	740229	F	1.7	25	47	120	GTKW		96
	FAIRWAY MEWS COMMUNITY ASSOC.	2919958	WELL 2	400912	740229	F	1.7	25	47	105	GTKW		231
2456P	GREENBRIAR ASSOCIATION	2939275	WELL 2BR	400526	740739	U	4.6	29	06	140	GTDK		50
	GREENBRIAR ASSOCIATION	2924680	WELL 3	400520	740653	U	4.2	29	06	40	GTDK		50
	GREENBRIAR ASSOCIATION	4931866	WELL 1	400537	740820	U	4.9	29	06	100	GTDK		50
	GREENBRIAR ASSOCIATION	2933299	WELL 2AR	400526	740739	U	4.6	29	06	143	GTDK		70
	GREENBRIAR ASSOCIATION	2929670	WELL 4	400520	740648	U	4.2	29	06	134	GTDK		50
	GREENBRIAR ASSOCIATION	2929651	WELL 5	400515	740508	U	3.5	29	06	137	GTDK		50
	GREENBRIAR ASSOCIATION	2918338	WELL 6	400526	740632	U	3.9	29	06	42	GTDK		50
	GREENBRIAR ASSOCIATION	2932194	WELL 7	400546	740813	U	4.8	29	06	85	GTDK		50
	GREENBRIAR ASSOCIATION	2929650	WELL 8	400520	740706	U	4.3	29	06	132	GTDK		50
	GREENBRIAR ASSOCIATION	2928842	WELL 9	400546	740706		4.0	29	06	140	GTDK		50
	GREENBRIAR ASSOCIATION	2935332	WELL 10R	400520	740832	U	5.3	29	06	133	GTDK		50
	GREENBRIAR ASSOCIATION	2920903	WELL 11	400546	740719	U	4.1	29	06	60	GTDK		50
	GREENBRIAR ASSOCIATION	2914136	WELL 12	400539	740619	U	3.6	29	06	50	GTDK		50
	GREENBRIAR ASSOCIATION	2943144	WELL 13R	400520	740800	U	4.9	29	06	130	GTDK		50
	GREENBRIAR ASSOCIATION	2929669	WELL 14	400533	740653	U	4.0	29	06	140	GTDK		50
	GREENBRIAR ASSOCIATION	4931865	WELL 15	400532	740825	U	5.1	29	06	100	GTDK		50
	GREENBRIAR ASSOCIATION	2928330	WELL 15B	400520	740653	U	4.2	29	06	150	GTDK		50
	GREENBRIAR ASSOCIATION	2916274	16	400526	740659	U	4.2	29	06	57	GTDK		50
	GREENBRIAR ASSOCIATION	4931877	WELL 17	400508	740808		5.2	29	06	100	GTDK		50
	GREENBRIAR ASSOCIATION	2929810	WELL 18	400520	740733	U	4.6	29	06	156	GTDK		50
	GREENBRIAR ASSOCIATION	2915024	WELL 19	400708	740708	U	3.2	29	06	81	GTDK		

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
	GREENBRIAR ASSOCIATION	2925296	WELL 20	400546	740653	U	3.9	29	06	47	GTOK		50
	GREENBRIAR ASSOCIATION	4931869	WELL 21	400540	740815	U	4.8	29	06	100	GTOK		50
	GREENBRIAR ASSOCIATION	2920580	WELL 22	400533	740746	U	4.6	29	06	47	GTOK		50
	GREENBRIAR ASSOCIATION	2928841	WELL 23	400533	740719	U	4.3	29	06	155	GTOK		50
	GREENBRIAR ASSOCIATION	2927904	WELL 24	400520	740813	U	5.1	29	06	60	GTOK		50
	GREENBRIAR ASSOCIATION	2916564	WELL 25	400526	740739	U	4.6	29	06	57	GTOK		50
	GREENBRIAR ASSOCIATION	2931551	WELL 26	400520	740653	U	4.2	29	06	157	GTOK		50
	GREENBRIAR ASSOCIATION	2936036	WELL 27R	400446	740752	U	5.3	29	06	159	GTOK		50
	GREENBRIAR ASSOCIATION	2913032	WELL 28	400446	740752	U	5.3	29	06	76	GTOK		50
	GREENBRIAR ASSOCIATION	4931878	WELL 29	400510	740808	U	5.1	29	06	100	GTOK		50
	GREENBRIAR ASSOCIATION	4931868	WELL 30	400518	740820	U	5.2	29	06	100	GTOK		50
	GREENBRIAR ASSOCIATION	2928183	WELL 31	400520	740653	U	4.2	29	06	140	GTOK		50
	GREENBRIAR ASSOCIATION	2909527	WELL 32	400600	740813	U	4.6	29	06	50	GTOK		50
	GREENBRIAR ASSOCIATION	2926222	WELL 33	400600	740613	U	3.3	29	06	32	GTOK		50
	GREENBRIAR ASSOCIATION	2940843	WELL 34R	400616	740640		3.3	29	06	138	GTOK		50
	GREENBRIAR ASSOCIATION	2919178	WELL 35	400520	740640	U	4.1	29	06	55	GTOK		50
	GREENBRIAR ASSOCIATION	2913122	WELL 36	400512	740739	U	4.8	29	06	75	GTOK		50
	GREENBRIAR ASSOCIATION	2915034	WELL 37	400446	740752	U	5.3	29	06	68	GTOK		50
	GREENBRIAR ASSOCIATION	4931867	WELL 38	400522	740823	U	5.1	29	06	100	GTOK		50
	GREENBRIAR ASSOCIATION	2928394	WELL 39	400533	740653	U	4.0	29	06	132	GTOK		50
	GREENBRIAR ASSOCIATION	2931759	WELL 40	400533	740800	U	4.8	29	06	142	GTOK		50
	GREENBRIAR ASSOCIATION	2931760	WELL 41	400533	740746	U	4.6	29	06	148	GTOK		50
	GREENBRIAR ASSOCIATION	4931879	WELL 44	400528	740828	U	5.1	29	06	100	GTOK		50
	GREENBRIAR ASSOCIATION	2937948	WELL 42R	400520	740813	U	5.1	29	06	170	GTOK		50
2460P	GREENBRIAR II HOMEOWNERS ASSOC	2939450	WELL 1	400600	740746	T	4.3	29	06	55	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931872	WELL 2	400543	740730	T	4.3	29	06	55	GTOK		35
	GREENBRIAR II HOMEOWNERS ASSOC	4931870	WELL 3	400551	740721	T	4.1	29	06	140	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931882	WELL 4	400542	740728	T	4.3	29	06	55	GTOK		35
	GREENBRIAR II HOMEOWNERS ASSOC	2930047	WELL 5	400550	740804	T	4.6	29	06	145	GTOK		40
	GREENBRIAR II HOMEOWNERS ASSOC	2936035	WELL 6	400600	740746	T	4.3	29	06	148	GTOK		60
	GREENBRIAR II HOMEOWNERS ASSOC	4931880	WELL 7	400552	740734	T	4.2	29	06	140	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931881	WELL 8	400550	740750	T	4.4	29	06	140	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931883	WELL 9	400552	740738	T	4.3	29	06	140	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931873	WELL 10	400554	740746	T	4.4	29	06	140	GTOK		70
	GREENBRIAR II HOMEOWNERS ASSOC	4931874	WELL 11	400553	740746	T	4.4	29	06	140	GTOK		70
4034PS	NJ WATER SUPPLY AUTHORITY	OAK GLEN	RESERVOIR	400900	740800	U	3.8	25	19		SCMSQ		
4035PS	SPRING MEADOW GOLF COURSE	POND	INTAKE NO1	400905	740720	T	3.3	25	52		SCMSQ		1200
4034PS	N.J. WATER SUPPLY AUTHORITY	MANASQUAN	RESERVOIR	400830	740700	U	2.9	25	52		SCMSQ		
5019	NEW JERSEY-AMERICAN WATER CO.	2900137	4	401214	740356	F	4.7	25	34	1072	GKROB		775
	NEW JERSEY-AMERICAN WATER CO.	2911335	6	401215	740356	F	4.7	25	34	1076	GKROB		1400
	NEW JERSEY-AMERICAN WATER CO.	JUMPING BROOK		401212	740357	F	4.7	25	34		SCSHA		700
	NEW JERSEY-AMERICAN WATER CO.	SHARK RIVER		401155	740413	F	4.4	25	34		SCSHA		1250
	NEW JERSEY-AMERICAN WATER CO.	2915170	7	401128	740515	F	4.0	25	52	1154	GKROB		1400
5063	NEW JERSEY-AMERICAN WATER CO.	4900002	BAYHED5 12	400405	740244	G	4.7	29	02	834	GKET		200
	NEW JERSEY-AMERICAN WATER CO.	2900087	BAYHED6 13	400405	740245	G	4.7	29	02	818	GKET		350
5089	SPRING LAKE BOROUGH	2904721	4	400950	740151	G	2.6	25	48	700	GKET		550
	SPRING LAKE BOROUGH	4900015	2	400843	740212	G	1.5	25	48	707	GKET		500
	SPRING LAKE BOROUGH	4900016	3	400914	740147	G	2.1	25	48	707	GKET		500
	SPRING LAKE BOROUGH	4900014	1	400848	740210	G	1.6	25	48	700	GKET		550
5132	AVON-BY-THE-SEA BOROUGH	4900018	2	401134	740122	G	4.5	25	05	506	GKMW		200
	AVON-BY-THE-SEA BOROUGH	4900017	1	401137	740123	G	4.5	25	05	503	GKMW		300
	AVON-BY-THE-SEA BOROUGH	2907461	4	401136	740123	G	4.5	25	05	1170	GKROB		950
5138	BELMAR BOROUGH	4900022	7	401035	740147	G	3.3	25	06	648	GKET		127
	BELMAR BOROUGH	2900045	12	401033	740149	G	3.2	25	06	594	GKET		305
	BELMAR BOROUGH	4900023	10	401038	740147	G	3.3	25	06	581	GKET		248
	BELMAR BOROUGH	2906956	13	401038	740148	G	3.3	25	06	610	GKET		325

 PRELIMINARY SURVEY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 400808 LAT. 740345 LON. (IN ORDER BY PERMIT NUMBER) - 01/26/02

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
	BELMAR BOROUGH	4900024	11	401100	740046	G	4.2	25	06	679	GKET		384
	BELMAR BOROUGH	2910462	14	401036	740139	G	3.4	25	06	640	GKET		400
5149	WALL TOWNSHIP WATER DEPT.	2902870	4	400823	740508	G	1.2	25	52	728	GKET		400
	WALL TOWNSHIP WATER DEPT.	2902869	3	400821	740458	G	1.1	25	52	757	GKET		400
	WALL TOWNSHIP WATER DEPT.	2905289	6	401029	740638	G	3.7	25	52	654	GKET		450
	WALL TOWNSHIP WATER DEPT.	4900032	7	401051	740344	G	3.1	25	52	657	GKET		350
	WALL TOWNSHIP WATER DEPT.	2909107	9	401106	740358	G	3.4	25	52	460	GKMW		360
	WALL TOWNSHIP WATER DEPT.	2902868	5	401023	740217	G	2.9	25	52	588	GKMW	GKET	400
	WALL TOWNSHIP WATER DEPT.	2902871	1	401052	740354	G	3.1	25	52	474	GKMW		400
	WALL TOWNSHIP WATER DEPT.	2917963	2A	401115	740422	G	3.6	25	52	456	GKMW		350
5150	POINT PLEASANT BOROUGH	2900331	4	400500	740456	G	3.7	29	24	75	GTKW		700
	POINT PLEASANT BOROUGH	2903345	5	400451	740416	G	3.8	29	24	1342	GKROB		1100
	POINT PLEASANT BOROUGH	2904530	6	400452	740416	G	3.8	29	24	790	GKET		0
	POINT PLEASANT BOROUGH	2905445	7	400408	740406	G	4.6	29	24	1260	GKROB		1100
	POINT PLEASANT BOROUGH	4900075	3	400458	740400	G	3.6	29	24	0805	GKET		0350
5162	MANASQUAN BOROUGH	2901004	5	400714	740329	G	1.1	25	27	117	GTOK		940
	MANASQUAN BOROUGH	2904111	6	400710	740329	G	1.1	25	27	115	GTOK		529
	MANASQUAN BOROUGH	2913124	7	400712	740328	G	1.1	25	27	112	GTOK		1.01
	MANASQUAN BOROUGH	2902890	2	400712	740328	G	1.1	25	27	122	GTOK		268
	MANASQUAN BOROUGH	4900003	3	400712	740328	G	1.1	25	27	101	GTOK		300
5172	BRICK TOWNSHIP M.U.A.	2906082	2	400424	740827	G	5.9	29	06	67	GTOH		150
	BRICK TOWNSHIP M.U.A.	2906083	3	400426	740828	G	5.9	29	06	69	GTOH		220
	BRICK TOWNSHIP M.U.A.	2905990	4	400427	740832	G	5.9	29	06	67	GTOH		110
	BRICK TOWNSHIP M.U.A.	2905970	5	400430	740833	G	5.9	29	06	67	GTOH		110
	BRICK TOWNSHIP M.U.A.	2906579	6	400428	740837	G	6.0	29	06	67	GTOH		130
	BRICK TOWNSHIP M.U.A.	2906580	7	400432	740839	G	6.0	29	06	70	GTOH		113
	BRICK TOWNSHIP M.U.A.	2906581	8	400419	740820	G	5.9	29	06	70	GTOH		195
	BRICK TOWNSHIP M.U.A.	2906841	9	400429	740834	G	5.9	29	06	1779	GKR		838
	BRICK TOWNSHIP M.U.A.	2907791	10	400432	740840	G	6.0	29	06	1832	GKR		2300
	BRICK TOWNSHIP M.U.A.	2908356	11	400421	740824	G	6.0	29	06	1800	GKR		1850
	BRICK TOWNSHIP M.U.A.	2912006	12	400439	740831	G	5.8	29	06	1874	GKR		1800
	BRICK TOWNSHIP M.U.A.	METEDECONK	INTAKE 2	400427	740834		6.0	29	06		SCMET		8332
	BRICK TOWNSHIP M.U.A.	2932043	13	400431	740835	G	5.9	29	06	55	GTOH		250
	BRICK TOWNSHIP M.U.A.	2930639	14	400432	740840	G	6.0	29	06	48	GTOH		250
	BRICK TOWNSHIP M.U.A.	METEDECONK	INTAKE 1	400427	740834		6.0	29	06		SCMET		3000
5184	PARKWAY WATER COMPANY	2911791	2	400648	740832	G	4.5	25	19	66	GTOH		180
	PARKWAY WATER COMPANY	2912324	3	400641	740855	G	4.8	25	19	69	GTOH		150
	PARKWAY WATER COMPANY	2913461	4	400659	740853	G	4.7	25	19	73	GTOH		80
	PARKWAY WATER COMPANY	2915287	5	400703	740855	G	4.7	25	19	56	GTOH		150
	PARKWAY WATER COMPANY	2915870	6	400654	740854	G	4.7	25	19	61	GTOH		120
	PARKWAY WATER COMPANY	2916728	1A	400605	740912	G	5.3	25	19	649	GKET		250
	PARKWAY WATER COMPANY	2930899	7	400733	740840	G	4.4	25	19	84	GTOH		160
5237	SEA GIRT BOROUGH	2904102	5	400804	740229	G	1.1	25	44	715	GKET		420
	SEA GIRT BOROUGH	2906407	6	400800	740233	G	1.1	25	44	123	GTOK		900
	SEA GIRT BOROUGH	2910880	7	400800	740231	G	1.1	25	44	129	GTOK		940
5266	SPRING LAKE HEIGHTS BOROUGH	2905075	3	400845	740314	G	0.8	25	49	685	GKET		450
	SPRING LAKE HEIGHTS BOROUGH	2900398	2	400856	740309	G	1.1	25	49	713	GKET		510
	SPRING LAKE HEIGHTS BOROUGH	2900180	1	400857	740309	G	1.1	25	49	580	GKMW		150
	SPRING LAKE HEIGHTS BOROUGH	2907506	4	400927	740213	G	2.0	25	49	564	GKMW		200
5279	BRIELLE BOROUGH	2905292	3	400622	740431	G	2.1	25	08	625	GKET		400
	BRIELLE BOROUGH	2900069	2	400644	740346	G	1.6	25	08	750	GKET		500
	BRIELLE BOROUGH	4900013	1	400644	740346	G	1.6	25	08	154	GTKW		300
5297	PT. PLEASANT BEACH BOROUGH	2906299	11	400609	740252	G	3.5	29	25	143	GTKW		870
	PT. PLEASANT BEACH BOROUGH	2912178	12	400535	740251	G	3.0	29	25	132	GTKW		870
	PT. PLEASANT BEACH BOROUGH	2927975	13	400551	740243	G	2.8	29	25	136	GTKW		800
MN0045	MC DOWELL . FRED	SHARK RIVER	STREAM 1	401210	740656	F	5.4	25	52		SCSHA		750

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
	MC DOWELL , FRED	POND	1	401210	740656	F	5.4	25	52	6	GTCK		750
	MC DOWELL , FRED	4900081	WELL 1	401210	740656	F	5.4	25	52	90	GTCK		750
	MC DOWELL , FRED	4900082	WELL 2	401210	740656	F	5.4	25	52	90	GTCK		750
	MC DOWELL , FRED	4900083	WELL 3	401210	740656	F	5.4	25	52	90	GTCK		750
	MC DOWELL , FRED	4900084	WELL 4	401210	740656	F	5.4	25	52	90	GTCK		750
	MC DOWELL , FRED	4900085	WELL 5	401210	740656	F	5.4	25	52	90	GTCK		750
	MC DOWELL , FRED	4900086	WELL 6	401210	740656	F	5.4	25	52	90	GTCK		750
MN074R	L.B. FORCELLATI & SONS NURSERY	2940031	WELL 1	400946	740306	F	2.0	25	52	530	GMM		100
	L.B. FORCELLATI & SONS NURSERY	2944650	WELL 2	400946	740306		2.0	25	52	560	GMM		100
DD0003	DAULET MARTIN	POND	1	400422	740922	F	6.5	29	14	15	GTCH	SCMET	450

Number of Observations: 233

Form DWR-138A
10/87

① EAST ~2,200 0.4 miles

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

COORD: 29.33.384
PERMIT NO. 29.291
APPLICATION NO. _____
COUNTY _____

WELL RECORD

29-291
29.33.384

1. OWNER Mr Edward Petterson ADDRESS Magnolia Ave, Sea Girt
   Owner's Well No. 1 SURFACE ELEVATION 30 Feet (Above mean sea level)
2. LOCATION NW corner
3. DATE COMPLETED 11/24/51 DRILLER H.A. Peters lisc # 156
4. DIAMETER: Top 4 inches Bottom _____ inches TOTAL DEPTH *93 Feet
5. CASING: Type BLK steel Diameter 4 Inches Length 83 Feet
6. SCREEN: Type slot Size of Opening *20 Diameter 3½ Inches Length 9'3" Feet
   Range in Depth { Top 4'6" Feet / Bottom 3'6" Feet } Geologic Formation gray coarse sand + gravel
   Tail Piece: Diameter 3 Inches Length 1'6" Feet
7. WELL FLOWS NATURALLY no Gallons per minute at — Feet above surface
   Water rises to _____ Feet above surface
8. RECORD OF TEST: Date 11/23/51 Yield 9 Gallons per minute
   Static water level before pumping 21 Feet below surface
   Pumping level 70 feet below surface after 11 hours pumping
   Drawdown 49 Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
   How pumped rod and 22" pipe How measured Myers elec tester
   Observed effect on nearby wells none
9. PERMANENT PUMPING EQUIPMENT:
   Type Goulds Twin Jet Mfrs. Name Goulds
   Capacity 5 G.P.M. How Driven Elec H.P. ½ R.P.M. 3600
   Depth of Pump in well 77 Feet Depth of Footpiece in well 13 Feet
   Depth of Air Line in well 0 Feet Type of Meter on Pump air gauge Size _____ Inches
10. USED FOR domestic AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }
11. QUALITY OF WATER Soft Sample: Yes ✓ No ____
    Taste Good Odor none Color clear Temp. 53 °F.
12. LOG Dry hole to 20', gravels large to 24', blk clay & quick sands to 85' Are samples available? _____
    (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA Bail Bucket & Drill tool
14. DATA OBTAINED BY Driller (Qcm) (TKW) Date 11/26/51

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

29-33-568

Form 87-5M

(2)
S, SW
1,500 ft

DEPARTMENT OF CONSERVATION
AND ECONOMIC DEVELOPMENT
Division of Water Policy & Supply
WELL RECORD

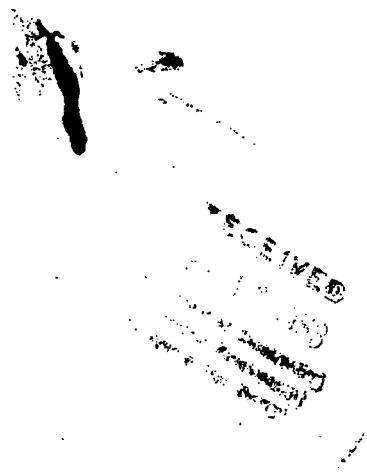
Permit No. 29-781
Application No. _____
County _____
29.33.568
29-781

1. OWNER Edwin LOESSER ADDRESS Brielle Circle, Brielle
Owner's Well No. 1 SURFACE ELEVATION _____ Feet (Above mean sea level)
2. LOCATION Brielle Circle, Brielle
3. DATE COMPLETED July 29, 53 DRILLER John Keidel
4. DIAMETER: Top 3 Inches Bottom 3 Inches TOTAL DEPTH 84 Feet
5. CASING: Type Steel Diameter 3 Inches Length _____ Feet
6. SCREEN: Type point Size of Opening 18 slot Diameter 1 1/4 Inches Length 3 Feet
Range in Depth { Top _____ Feet Bottom _____ Feet Geologic Formation _____
Tail piece. Diameter _____ Inches Length _____ Feet
7. WELL FLOWS NATURALLY _____ Gallons per Minute at _____ Feet above surface
Water rises to _____ Feet above surface
8. RECORD OF TEST: Date July 29, 53 Yield _____ Gallons per minute
Static water level before pumping 70 Feet below surface
Pumping level _____ feet below surface after _____ hours pumping
Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
How Pumped _____ How measured _____
Observed effect on nearby wells _____
9. PERMANENT PUMPING EQUIPMENT:
Type Jet pump Capacity 8 1/2 Gallons per minute
How Driven Electric Horse Power _____ R.P.M. _____
Depth of pump in well _____ Feet Depth of Foot piece in well _____ Feet
Depth of Air Line in well _____ Feet Type of Meter on Pump _____
10. USED FOR domestic AMOUNT { Average 250 Gallons Daily Maximum 300 Gallons Daily
11. QUALITY OF WATER _____ Sample: Yes _____ No. _____
Taste Good Odor None Color Clear Temperature _____ °F
12. LOG _____ Are samples available? _____
(Give details on back of sheet or on separate sheet)
13. SOURCE OF DATA _____
14. DATA OBTAINED BY John Keidel DATE July 29, 53

(Note: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

29.33.568
29.781

coarse yellow sand
and gravel



DWR-138A
1/88

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 29-2198
APPLICATION NO. _____
COUNTY _____
COORD. 29.33.533

WELL RECORD

1. OWNER Eastern Shopping Centers, Inc. ADDRESS 61 Mall Walk, Yonkers NY
   Owner's Well No. _____ SURFACE ELEVATION ~54' (Above mean sea level) Feet
2. LOCATION Walltown Shopping Center, Rt 35 + Atlantic Ave - Wall Twp
3. DATE COMPLETED 2/7/56 DRILLER C.W. Lauman
4. DIAMETER: Top 36 inches Bottom 8 inches TOTAL DEPTH 150 Feet
5. CASING: Type Steel Diameter _____ Inches Length _____ Feet
6. SCREEN: Type SS Size of Opening .062 Diameter 8 Inches Length 20 15 Feet
   Range in Depth { Top 54 Feet 121, 141 / Bottom 74 Feet 136, 147 } Geologic Formation Kirkwood
   Tail Piece: Diameter _____ Inches Length _____ Feet
7. WELL FLOWS NATURALLY NA Gallons per minute at _____ Feet above surface
   Water rises to _____ Feet above surface
8. RECORD OF TEST: Date 3/5/57 Yield 407 Gallons per minute
   Static water level before pumping 24 Feet below surface
   Pumping level _____ feet below surface after _____ hours pumping
   Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
   How pumped _____ How measured _____
   Observed effect on nearby wells _____
9. PERMANENT PUMPING EQUIPMENT:
   Type _____ Mfrs. Name _____
   Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____
   Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet
   Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches
10. USED FOR _____ AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }
11. QUALITY OF WATER _____ Sample: Yes ____ No ____
    Taste _____ Odor _____ Color _____ Temp. _____ °F.
12. LOG _____ Are samples available? _____
    (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA Frank J. Mackewicz
14. DATA OBTAINED BY _____ Date 1/3/57

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

BY ..... DATE 2/7/56 SUBJECT WALLTOWN SHOPPING SHEET NO. ..... OF 1

CHKD. BY ..... DATE ..... JOB NO. 12-G-1

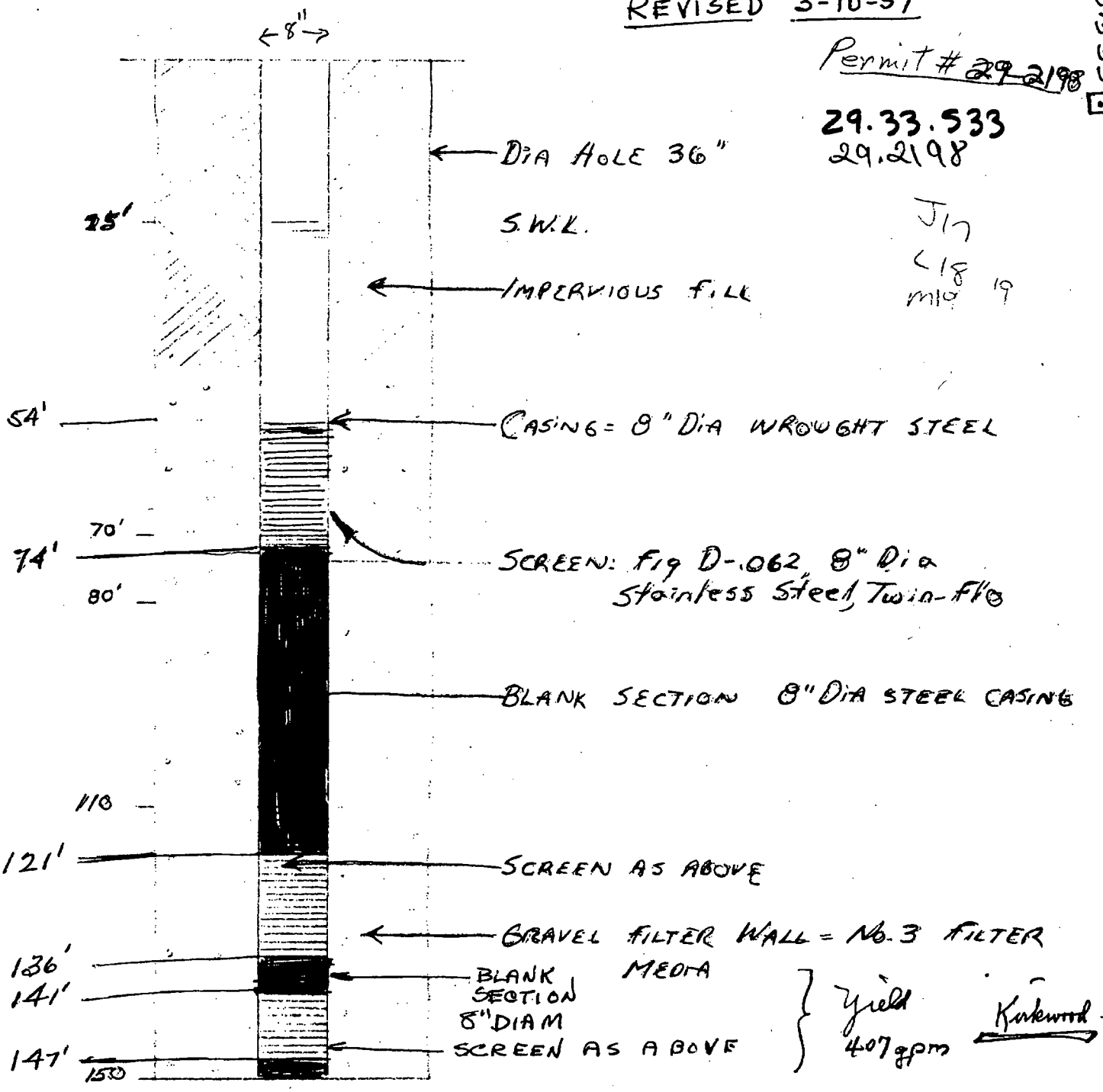
29.33.533

REVISED 3-10-57

Permit # ~~29-2198~~

29.33.533
29.2198

JIN
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NOTE: LENGTH & PLACEMENT OF SCREEN SUBJECT TO CHANGE DEPENDING ON CONDITIONS ENCOUNTERED DURING DRILLING OPERATIONS.

D-5

Eastern Shopping Centers, Inc.
61 Mall Walk - Cross County Ctr.
Yonkers, New York

C. W. Lauman & Company, Inc.
P. O. Box 235
Bethpage, New York

29.33.533
29-2198

No samples from 0 - 53 feet.

53 - 55	Light yellowish-gray mixture of very coarse sand and very fine sand. Scattered ½" pebbles.	Basal Cheniey
55 - 63	Light yellowish-gray, moderately micaceous, very slightly clayey, fine sand with scattered very coarse grains. Heavies good.	
63 - 66	Light pinkish-gray, fairly clean, slightly micaceous, fine sand with small percent of medium to coarse grains. Fine sand slightly larger than 55-63. Heavies fair to good.	
66 - 74	Light brownish-gray, fairly clean, medium sand. Unlike any Tkw, more like Tch. Sand subangular to subrounded. Heavies very poor.	
74	Grayish-orange, moderately clayey and micaceous, very fine sand. Heavies fair.	Kirkwood
121 - 126	Gray, somewhat dirty, fine to medium sand with scattered very coarse grains.	
126 - 127	Gray, moderately micaceous, sandy clay.	
127 - 131	Same as 121-126.	
131 - 136	Same.	
136 - 141	Gray clayey medium sand.	
141 - 147	Same, slightly clayey.	

Heavy Minerals examined from 130-147: In general contains more junk minerals than yellowish Tkw sand. Very fine heavies, mostly ilmenite but much more staurolite and garnet. Larger sized heavies contain approximately 25% garnet, 25% staurolite. This is more typical of the true marine sands of the coastal plain.

Frank J. Markewicz
January 3, 1957

WELREC 112 2421

SUPPLY WELL LOG

29.33.533

WPCC No. 29-2198

Job 12-G-1 Wallstown Shopping Center Address Rte. 35 & Atlantic Av., Wall Twp., NJ

Date Started March 5, 1957 Completed March 11, 1957 Driller G. Duncan C. Tallman

Diameter 36" x 8" In. Measured from Grade ☒ Yes ☐ No 29.33.533 29-2198

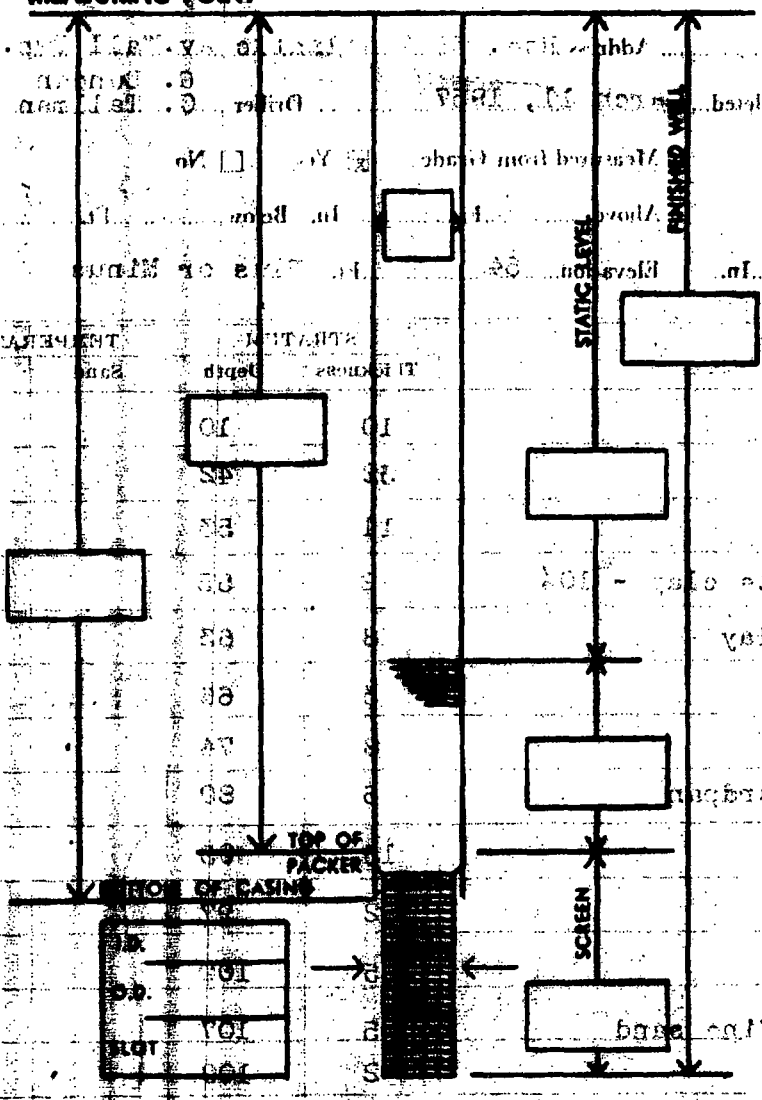
Depth 147 Ft. 0 In. Above Ft. In. Below Ft. In.

Static Level 24 Ft. In. Elevation 54 Ft. Plus or Minus

	STRATUM		TEMPERATURE	
	Thickness	Depth	Sand	Water
Sandy Loam	10	10		
Sand & Clay - brown	32	42	C.M. ?	
Brown Grit	11	53		
Medium coarse with streaks of white clay ~ 10%	2	55		
Medium fine sand, some grit and clay	8	63		
Fine Brown sand and mica	3	66	Cohansey	
Medium coarse brown sand and grit	8	74		
Multicolored clay and grit, somehardpan	6	80		
Solid black clay	15	95		
Very fine gray sand - dirty	2	97		
Solid black clay	5	102		
Solid black clay with streaks of fine sand	5	107		
Solid black clay	2	109		
Solid black clay with streaks of fine sand	12	121		
Fine medium coarse gray sand, grits, some clay	5	126	Kirkwood	
Solid black clay and streaks of sand	1	127		
Medium coarse sand with streaks of clay	4	131		
Solid black clay	3	134		
Coarse gray sand, grits, with streaks of clay	2	136		
Solid gray clay with streaks of fine sand	5	141		
Coarse gray sand and grit, some clay	6	147		
Solid brown clay	3	150		
Green Marl (Solid Green Clay) Manasquan formation	8	158	Sh. R. Mem.	

REMARKS

WELREC 112 2422



SKETCH OF LOCATION

Show North Point

Locate well with respect to at least two points of fixed, allowing distance from corner and front of lot.

Type of Screen—

NOTE—If outer casings are used state diameter, length and whether or not left in the ground.

NOTE—If screen is finished off with riser, give exact description of top of riser—(size and make or female thread.)

REMARKS—

29.33.6 12

FORM 87

DEPARTMENT OF CONSERVATION
AND ECONOMIC DEVELOPMENT
DIVISION OF WATER POLICY & SUPPLY

Permit No. 29-2326
Application No. _____
County _____

WELL RECORD

#29-2326
29.33.612

1. OWNER Frank Muller ADDRESS Blansing Rd. Manasquan N. J.

Owner's Well No. _____ SURFACE ELEVATION _____ Feet
(Above mean sea level)

2. LOCATION Blansing Rd. Manasquan N. J.

3. DATE COMPLETED May. DRILLER Fred Dennis

4. DIAMETER: top 3" Inches Botton 3" Inches TOTAL DEPTH 42 Feet

5. CASING: Type steel Diameter 3" Inches Length 38' Feet

6. SCREEN: Type Point Size of Opening #60 Diameter 1½ Inches Length 3 Feet

Range { Top _____ Feet Geologic Formation _____
Bottom _____ Feet

Tail piece. Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per Minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date May Yield 5 Gallons per minute

Static water level before pumping 19 Feet below surface

Pumping level _____ feet below surface after _____ hours pumping

Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown

How Pumped Portable pump How measured 5Gal container

Observed effect on nearby wells _____

9. PERMANENT PUMPING EQUIPMENT:

Type _____ Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet _____ Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet _____ Depth of Meter on Pump _____

10. USED FOR _____ AMOUNT Average _____ Gallons Daily

Maximum _____ Gallons Daily

11. QUALITY OF WATER good Sample: Yes ____ No. ____

Taste good Odor none Color clear Temp. _____ °F

12. LOG on back Are samples available _____

(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)

13. SOURCE OF DATA _____

14. DATA OBTAINED BY _____ Date _____

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements etc.)

Note: This well was drilled by C.W. Lauman & Co., Aug. 16, 1957. 8" Dia. 147' deep. Our present work consisted of pulling pump, testing and developing well, to eliminate sand condition.

Form 87

See other side.

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
DIVISION OF WATER POLICY & SUPPLY

Permit No. 29-1937
Application No. 429-20
County

WELL RECORD

29-33-533
Yonkers, N. Y.

1. OWNER Eastern Shopping Centers, Inc. ADDRESS 6L Mall Walk, Cross County Center
Owner's Well No. SURFACE ELEVATION 80 Feet (Above mean sea level)
2. LOCATION Circle Plaza Shopping Center, Manasquan, N. J.
3. DATE COMPLETED DRILLER
4. DIAMETER: top Inches Bottom Inches TOTAL DEPTH Feet
5. CASING: Type Diameter Inches Length Feet
6. SCREEN: Type Size of Opening Diameter Inches Length Feet
Range in Depth { Top Feet / Bottom Feet Geologic Formation
Tail piece? Diameter Inches Length Feet
7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
Water rises to Feet above surface
8. RECORD OF TEST: Date Yield Gallons per minute
Static water level before pumping Feet below surface
Pumping level feet below surface after hours pumping
Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown
How Pumped How measured
Observed effect on nearby wells
9. PERMANENT PUMPING EQUIPMENT:
Type Mfrs. Name
Capacity G.P.M. How Driven H.P. R.P.M.
Depth of Pump in well Feet Depth of Footpiece in well Feet
Depth of Air Line in well Feet Type of Meter on Pump Size inches
10. USED FOR AMOUNT { Average Gallons Daily / Maximum Gallons Daily
11. QUALITY OF WATER Sample: Yes No
Taste Odor Color Temp. °F
12. LOG Are samples available?
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
13. SOURCE OF DATA
14. DATA OBTAINED BY Kaye Well Drilling, Inc. Date June 7, 1966

(NOTE: Use other side of this sheet for additional info...)

WELREC 112 2424

May 18 to June 1, 1966

29.33.533
14-5087

Pulled 25 H.P. Turbine, bailed and surged well, inserted 200 lbs. dry acid, surged and bailed well again, and developed well with heavy duty Air Compressor. Installed test pump and test pumped well.

Started test at 150 GPM, with heavy sand. Tested for 3 days, starting and stopping pump, and on final test, pumped 400 GPM, sand free water.

Kaye Well Drilling, Inc.

RECEIVED
JUN 8 9 51 AM '66
GEOLOGY
&
TOPOGRAPHY

Form DWR- 138
11/80

(6) 0.07 mi South

29-33-615

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 29-11078

APPLICATION NO. ____

COUNTY ____

FOR IRRIGATION PURPOSES ONLY

WELL RECORD #29-11078

29.33.615

1. OWNER D'Ambrosio, McDonalds ADDRESS 2410 Highway 34 Manasquan, NJ
Owner's Well No. 1 SURFACE ELEVATION ____ Feet (Above mean sea level)
2. LOCATION McDonalds Rt. #35 Wall Township
3. DATE COMPLETED March 28, 1981 DRILLER Jonas Endreson
4. DIAMETER: Top 4" inches Bottom 4" inches TOTAL DEPTH 66± Feet
5. CASING: Type Black Steel Diameter 4" Inches Length 10'-6" Feet
6. SCREEN: Type SS Size of Opening 16slot Diameter 4" Inches Length 6 Feet
Range in Depth { Top 50' Feet / Bottom 56' Feet Geologic Formation Cohansey
Tail Piece: Diameter 4" Inches Length 10' Feet
7. WELL FLOWS NATURALLY ____ Gallons per minute at ____ Feet above surface
Water rises to ____ Feet above surface
8. RECORD OF TEST: Date 3/29/81 Yield 15 Gallons per minute
Static water level before pumping 36 Feet below surface
Pumping level 41' feet below surface after 2 hrs. hours pumping
Drawdown 5' Feet Specific Capacity 3 Gals. per min. per ft. of drawdown
How pumped SUB. — How measured 5 gal. pail
Observed effect on nearby wells NONE
9. PERMANENT PUMPING EQUIPMENT:
Type Sub. Mfrs. Name Goulds
Capacity 16 G.P.M. How Driven Electric H.P. 3/4 R.P.M. 1400
Depth of Pump in well 50 Feet Depth of Footpiece in well ____ Feet
Depth of Air Line in well ____ Feet Type of Meter on Pump ____ Size ____ Inches
10. USED FOR IRRIGATION AMOUNT { Average 500 Gallons Daily / Maximum 1000 Gallons Daily
11. QUALITY OF WATER ____ Sample: Yes ____ No ____
Taste GOOD Odor NONE Color Clear Temp. 51 °F.
12. LOG ON BACK Are samples available? ____
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA DRILLER
14. DATA OBTAINED BY Jonas ENDRESON Date 3/28/81

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

(17)
0.99 mile
North.

29-33-371

rm DW 138
/80

NOT ACCEPTABLE FOR RECORDING PURPOSES ONLY

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 29-12560

APPLICATION NO. _____

COUNTY Monmouth

WELL RECORD 29 12560

29.33.371

1. OWNER Waldick Aerospace Devices ADDRESS Wall Twp., N.J. 07719

Owner's Well No. Obs. #2 SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION Same as above

3. DATE COMPLETED 1-14-83 DRILLER A.C. SCHULTES & SONS, INC.

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 32 Feet

5. CASING: Type P.V.C. Diameter 2 Inches Length 25 Feet

6. SCREEN: Type P.V.C. Size of Opening .020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 22'6" Feet / Bottom 32'6" Feet Geologic Formation _____

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date _____ Yield _____ Gallons per minute

Static water level before pumping _____ Feet below surface

Pumping level _____ feet below surface after _____ hours pumping

Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown

How pumped _____ How measured _____

Observed effect on nearby wells _____

9. PERMANENT PUMPING EQUIPMENT:

Type _____ Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR Observation AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily

11. QUALITY OF WATER _____ Sample: Yes ____ No ____

Taste _____ Odor _____ Color _____ Temp. _____ °F.

12. LOG See attached Are samples available? _____
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Driller's Log

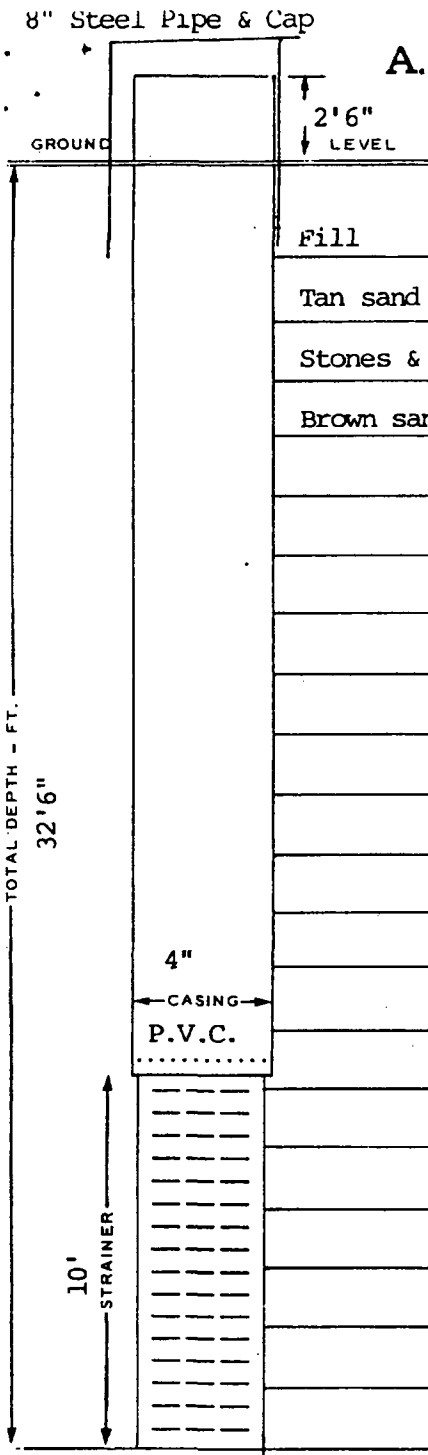
14. DATA OBTAINED BY A.C. SCHULTES/Bill Jefferys Date 1-21-83

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

29.33.371
29-12560

A.C. SCHULTES & SONS, INC.

SINGLE CASE WELL 29-12560
29.33.371



WELL LOG	FEET FROM GROUND SURFACE		NAME OF OWNER
Fill	0 TO	5	WALDICK AEROSPACE DEVICES
Tan sand	5	15	Job # 19362
Stones & sand	15	20	Location Rt. 35, Wall Twp. N.
Brown sand, clayish	20	33	Well No. Obs. #2
			Hrs. Pumped Blowed 2 Hrs.
			Capacity G.P.M. 3
			Static Level 17'4"
			Pumping Level
			Specific Capacity
			Diameter of Well 10" hole 4"Pipe
			Depth of Well (ground) 32'6"
			Length of Casing 25'
			Distance to Top of Packer (gr.)
			Type Screen Slotted P.V.C.
			Size of Screen 4" Pipe Size
			Length of Screen 10'
			Top Screen Fitting M.T.
			Bottom Screen Fitting Plug
			Blank
			Slot Size .020
			Drilling Machine No. #7
			Driller A. Hammond
			Gravel Yes Morie #1
			Bags of Cement 9
			Date Well Completed 1-14-83

Rotary Table approx. 3' above ground level

FORM 300

(8) 0.49 mile North

29 - 33 - 371

n DWR- 138
30

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 29-12561

APPLICATION NO. _____

COUNTY Monmouth

WELL RECORD 29-12561 29.33.371

OWNER Waldick Aerospace Devices ADDRESS Wall Twp. N.J. 07719

Owner's Well No. Obs. #3 SURFACE ELEVATION _____ Feet (Above mean sea level)

LOCATION Same as above

3. DATE COMPLETED 1-18-83 DRILLER A.C. SCHULTES & SONS, INC.

DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 33 Feet

5. CASING: Type P.V.C. Diameter 4 Inches Length 25 Feet

6. SCREEN: Type P.V.C. Size of Opening .020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 23 Feet / Bottom 33 Feet } Geologic Formation _____

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date _____ Yield _____ Gallons per minute

Static water level before pumping _____ Feet below surface

Pumping level _____ feet below surface after _____ hours pumping

Drawdown _____ Feet. Specific Capacity _____ Gals. per min. per ft. of drawdown

How pumped _____ How measured _____

Observed effect on nearby wells _____

PERMANENT PUMPING EQUIPMENT:

Type _____ Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR Observation AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }

QUALITY OF WATER _____ Sample: Yes _____ No _____

Taste _____ Odor _____ Color _____ Temp. _____ °F.

LOG See Attached Are samples available? _____
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

SOURCE OF DATA Driller's Log

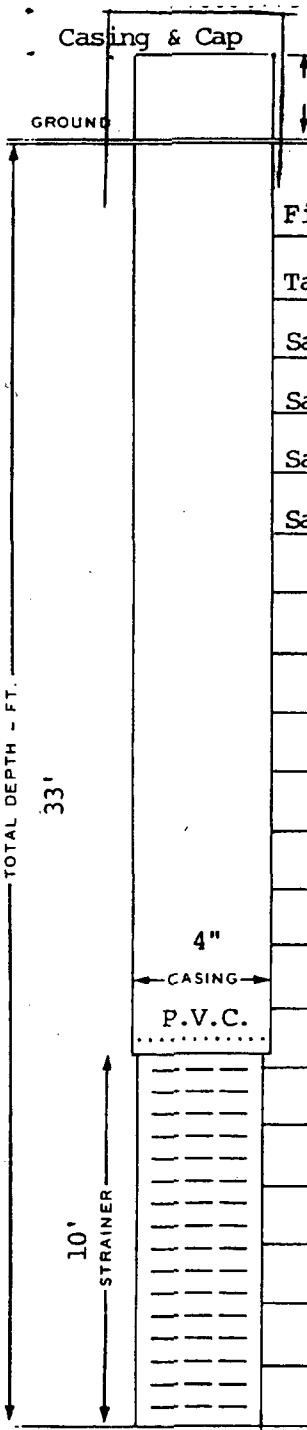
DATA OBTAINED BY A.C. SCHULTES/Bill Jefferys Date 1-21-83

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

A.C. SCHULTES & SONS, INC.

29.33.371
29-12561
29-12561
29-12561
29.33.371

SINGLE CASE WELL



WELL LOG	FEET FROM GROUND SURFACE		NAME OF OWNER
Fill	0 TO	3	WALDICK AEROSPACE DEVICES
Tan sand	3	8	Job # 19362
Sand & gravel	8	13	Location Rt. 35 Wall Twp., NJ
Sand, yellow	13	20	Well No. Obs. #3
Sand & gravel	20	27	Hrs. Pumped Blew 1½ Hrs.
Sand, yellow	27	34	Capacity G.P.M. 5
			Static Level 17'0"
			Pumping Level
			Specific Capacity
			Diameter of Well 10" hole 4" Pipe
			Depth of Well (ground) 33'
			Length of Casing 25
			Distance to Top of Packer (gr.)
			Type Screen slotted
			Size of Screen 4" Pipe
			Length of Screen 10'
			Top Screen Fitting M.T.
			Bottom Screen Fitting Plug
			Blank
			Slot Size .020
			Drilling Machine No. #7
			Driller A. Hammond
			Gravel Yes #1 Morie Gravel
			Bags of Cement 8
			Date Well Completed 1-18-83

Rotary Table approx. 3' above ground level

FORM 300

WELREC 112 1641

(9) 0.49 miles NE-Hr.

29 - 33 - 371

rm DWR- 138
/80

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 29-12562

APPLICATION NO. _____

29-12562
29.33.371

WELL RECORD

COUNTY Monmouth

1. OWNER Waldick Aerospace Devices ADDRESS Wall Twp., N.J. 07719

Owner's Well No. Obs. #4 SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION Same as above

3. DATE COMPLETED 1-18-83 DRILLER A. C. SCHULTES & SONS, INC.

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 33 Feet

5. CASING: Type P.V.C. Diameter 4 Inches Length 25 Feet

6. SCREEN: Type P.V.C. Size of Opening .020 Diameter 4 Inches Length 10 Feet

Range in Depth { Top 23 Feet / Bottom 33 Feet } Geologic Formation _____

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date _____ Yield _____ Gallons per minute

Static water level before pumping _____ Feet below surface

Pumping level _____ feet below surface after _____ hours pumping

Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown

How pumped _____ How measured _____

Observed effect on nearby wells _____

9. PERMANENT PUMPING EQUIPMENT:

Type _____ Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR Observation AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }

11. QUALITY OF WATER _____ Sample: Yes ____ No ____

Taste _____ Odor _____ Color _____ Temp. _____ °F.

12. LOG See Attached Are samples available? _____
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Driller's Log

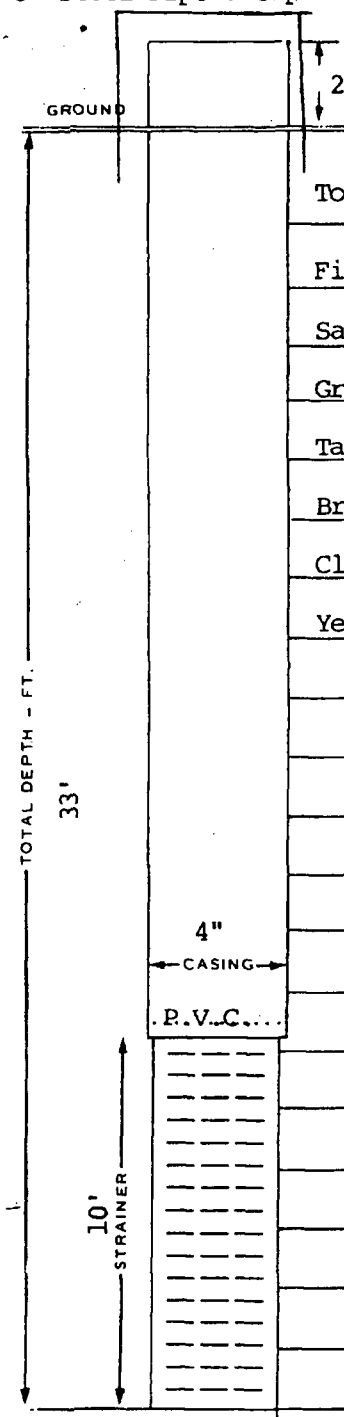
14. DATA OBTAINED BY A.C. SCHULTES/Bill Jefferys Date 1-21-83

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

29.33.371
29-12562

A.C. SCHULTES & SONS, INC.

SINGLE CASE WELL 29-12562 29.33.371



WELL LOG	FEET FROM GROUND SURFACE	NAME OF OWNER
Top soil	0 TO 1	WALDICK AEROSPACE DEVICES
Fill	1 3	Job # 19362
Sand	3 6	Location Rt. 35, Wall Twp. N.J
Gravel & sand	6 11	Well No. Obs. #4
Tand sand	11 19	Hrs. Pumped Blowed 1½ Hrs.
Brown sand	19 22	Capacity G.P.M. 5
Clayish sand	22 26	Static Level 16'9"
Yellow clayish sand	26 34	Pumping Level
		Specific Capacity
		Diameter of Well 10" Hole & 4" Pipe
		Depth of Well (ground) 33'
		Length of Casing 25'
		Distance to Top of Packer (gr.)
		Type Screen Slotted P.V.C.
		Size of Screen 4" Pipe
		Length of Screen 10'
		Top Screen Fitting F.T.
		Bottom Screen Fitting Plug
		Blank
		Slot Size .020
		Drilling Machine No. #7
		Driller A. Hammond
		Gravel #1 Morie
		Bags of Cement 9
		Date Well Completed Jan 1983

Rotary Table approx. 3' above ground level

FORM 300

(10) 0.4 miles south.

29.33.611

Handex

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

29-13705
29.33.611

E

BORING LOG

Well No. 1 Application No. _____ Permit No. 29-13705
Date Drilled May 14, 1984 County Monmouth Use monitor
Location Route 35 and Manasquan Circle, Manasquan, New Jersey
Owner Shell Oil Company Address West Orange, New Jersey
Drilling Method solid augers Sampling Method cuttings
Hole Diameter 8" Total Depth 15'

Casing:
Type PVC Schedule 40 Diameter 4" Length 5'

Screen:
Type PVC Schedule 40 Slot 20 Diameter 4" Length ≈ 10'
Gravel Pack Size #1 Casing Seal bentonite
Static Water Level 9' Geologic Formation recent

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
10'			Well Screen	0'-3'6" Orange brown medium to fine SAND, trace silt, trace- fine gravel 3'6"-4'6" Dark brown medium to fine SAND, little- silt trace- fine gravel 4'6"-7' Orange brown medium to fine SAND, trace- fine gravel, trace silt 7'-8' Orange brown coarse to fine SAND, little- fine gravel, trace silt 8'-15' Orange brown medium to fine SAND, trace- silt, trace fine gravel NOTE: Wet at 11', no gas 15' Grey brown medium to fine SAND, little+ silt, saturated, no gas
20'				
30'				

(1) 0.4 miles South

29 33611

E

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-9500

#29-13706
29.33.611

BORING LOG

Well No. 2 Application No. _____ Permit No. 29-13706
Date Drilled May 14, 1984 County Monmouth Use monitor
Location Route 35 and Manasquan Circle, Manasquan, New Jersey
Owner Shell Oil Company Address West Orange, New Jersey
Drilling Method solid augers Sampling Method cuttings
Hole Diameter 8" Total Depth 16'

Casing:
Type PVC Schedule 40 Diameter 4" Length 6'

Screen:
Type PVC Schedule 40 Slot 20 Diameter 4" Length 10'
Gravel Pack Size #1 Casing Seal bentonite
Static Water Level 10' Geologic Formation recent

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
				0'-3' Light brown coarse to fine SAND, little medium to fine gravel, trace silt
				3'-7' Orange brown medium to fine SAND, trace- fine gravel, trace silt
10'			Well Screen	7'-13' Orange brown medium to fine SAND, trace+ silt, trace fine gravel
				13'-16' Dark grey clayey SILT, some- medium to fine sand, trace fine gravel
20'				NOTE: No gasoline
30'				

(12) 0.4 miles south

E

29.33611

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

29-13707
29.33611

BORING LOG

Well No. 3 Application No. Permit No. 29-13707
Date Drilled May 14, 1984 County Monmouth Use monitor
Location Route 35 and Manasquan Circle, Manasquan, New Jersey
Owner Shell Oil Company Address West Orange, New Jersey
Drilling Method solid augers Sampling Method cuttings
Hole Diameter 8" Total Depth 15'

Casing:
Type PVC Schedule 40 Diameter 4" Length 5'

Screen:
Type PVC Schedule 40 Slot 20 Diameter 4" Length 10'
Gravel Pack Size #1 Casing Seal bentonite
Static Water Level 10' Geologic Formation recent

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
10'			Well Screen	0'-14' Orange brown medium to fine SAND, trace fine gravel, trace silt
20'				14'-15' Dark grey brown orange SILT, wet, some+ medium to fine sand
30'				NOTE: No odor

(13) 0.4 miles south

(E)

29 33.611

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

BORING LOG

#29-13708

Well No. 4 Application No. 29.33.611 Permit No. 29-13708
Date Drilled May 14, 1984 County Monmouth Use monitor
Location Route 35 and Manasquan Circle, Manasquan, New Jersey
Owner Shell Oil Company Address West Orange, New Jersey
Drilling Method solid augers Sampling Method cuttings
Hole Diameter 8" Total Depth 19'

Casing:
Type PVC Schedule 40 Diameter 4" Length 9'

Screen:
Type PVC Schedule 40 Slot 20 Diameter 4" Length 10'
Gravel Pack Size #1 Casing Seal bentonite
Static Water Level 10'4" Geologic Formation recent

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
				0'-4' Orange brown medium to fine SAND, little medium to fine gravel, trace silt
				4'-5' Layers of black clayey SILT, some medium to fine sand
				5'-10' Tan medium to fine SAND, trace fine gravel, trace silt
10'				
			Well Screen	10'-15' Brown medium to fine SAND, trace+ silt, trace fine gravel
				NOTE: Wet at 12', gasoline odor
				15'-19' Brown medium to fine SAND, little+ silt, trace fine gravel
20'				
30'				

(14) 0.9 miles south

Handex

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

E

29 33 611

BORING LOG

Well No. 5 Application No. 29.33.611 Permit No. 29-13709
Date Drilled May 14, 1984 County Monmouth Use monitor
Location Route 35 and Manasquan Circle, Manasquan, New Jersey
Owner Shell Oil Company Address West Orange, New Jersey
Drilling Method solid augers Sampling Method cuttings
Hole Diameter 8" Total Depth 17'

Casing:
Type PVC Schedule 40 Diameter 4" Length 7'

Screen:
Type PVC Schedule 40 Slot 20 Diameter 4" Length 10'
Gravel Pack Size #1 Casing Seal bentonite
Static Water Level 9'6" Geologic Formation recent

DEPTH BELOW SURFACE	SAMPLE NUMBER	BLOWS PER 6" ON SAMPLER	WELL DESIGN	IDENTIFICATION OF SOILS/REMARKS
				0'-2' Brown clayey SILT, some medium to fine sand, little medium to fine gravel
				2'-13' Orange brown medium to fine SAND, trace silt, trace fine gravel
10'			Well Screen	
				13'-17' Dark grey clayey SILT and medium to fine SAND, trace fine gravel
20'				
30'				

Form DWR- 138
11/80

(15) 0.4 m. (2) SE

Coord: 2933611

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. 2914962

APPLICATION NO. _____

COUNTY Monmouth

#29-14962
29.33.611

WELL RECORD

1. OWNER MCKAY, MATT ADDRESS 1106 NEW BRUNSWICK AVE.

Owner's Well No. _____ SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION Lot: 3&4 Block: 303 Municipality: Wall Twp.

3. DATE COMPLETED 7-28-85 DRILLER Tiger Construction Corp.

4. DIAMETER: Top 2 inches Bottom 2 inches TOTAL DEPTH = 67.5 Feet

5. CASING: Type PVC Diameter 2 Inches Length 57.5 Feet

6. SCREEN: Type PVC Size of Opening .014" Diameter 2 Inches Length 10 Feet

Range in Depth { Top 57.5 Feet / Bottom 67.5 Feet } Geologic Formation Cohansy

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date 7-28-85 Yield 10 Gallons per minute

Static water level before pumping 31 Feet below surface

Pumping level 45 feet below surface after 1 hours pumping

Drawdown 14 Feet Specific Capacity 4.5 Gals. per min. per ft. of drawdown

How pumped AIR How measured ORAfice

Observed effect on nearby wells none

9. PERMANENT PUMPING EQUIPMENT:

Type D/W Jet Mfrs. Name _____

Capacity 25 G.P.M. How Driven Electric H.P. 1 R.P.M. 3450

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR Irrigation AMOUNT { Average 2000 Gallons Daily / Maximum 4000 Gallons Daily }

11. QUALITY OF WATER _____ Sample: Yes _____ No ✓

Taste _____ Odor _____ Color _____ Temp. _____ °F.

12. LOG On Back Are samples available? NO

(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA Driller

14. DATA OBTAINED BY Dennis B. Davis Date 9 Aug. 1985

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

(16)
0.17 miles
W, SW

Form DWR- 138
11/80

FOR IRRIGATION PURPOSES ONLY

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

Coord: 2933299

PERMIT NO. 2915054

APPLICATION NO. _____

WELL RECORD

29-15054
29.33299

COUNTY Monmouth

1. OWNER KURMIN, ARNOLD ADDRESS MEETING HOUSE RD.

Owner's Well No. 1 SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION Lot: 32 Block: 807 Municipality: Wall Twp.

3. DATE COMPLETED 8/21/85 DRILLER Crestview Well Drilling

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 53 Feet

5. CASING: Type BK STEEL T&C Diameter 4 Inches Length 42 Feet

6. SCREEN: Type JOHNSON TELE-S.S. Size of Opening SLOT .050" Diameter 4 1/2 Inches Length 8'4" Feet

Range in Depth { Top 42 Feet / Bottom 53 Feet } Geologic Formation CAPE MAY

Tail Piece: Diameter 4 Inches Length 1'9" Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date 8/21/85 Yield 15 Gallons per minute

Static water level before pumping 30 Feet below surface

Pumping level 39 feet below surface after 4 hours pumping

Drawdown 9 Feet Specific Capacity 1.6 Gals. per min. per ft. of drawdown

How pumped SUB. TEST PUMP How measured 5 GAL. CONTAINER

Observed effect on nearby wells /

9. PERMANENT PUMPING EQUIPMENT:

Type SUBMERSIBLE Mfrs. Name RED JACKET

Capacity 15 G.P.M. How Driven ELEC H.P. 3/4 R.P.M. 3450

Depth of Pump in well 47 Feet Depth of Footpiece in well / Feet

Depth of Air Line in well / Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR IRRIGATION AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }

11. QUALITY OF WATER GOOD Sample: Yes ____ No ____

Taste NONE Odor NONE Color CLEAR Temp. ____ °F.

12. LOG _____ Are samples available? _____
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA DRILLER

14. DATA OBTAINED BY [signature] Date 9/6/85

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated

Form DWR-138
11/85

(17) 0.43 mi. 185 SE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 – 18276
Atlas Sheet Coordinates 29 : 33 : 616

OWNER IDENTIFICATION - Owner PRICE, MELVIN JR.
Address 1015 NEW BRUNSWICK AVE.
City MANASQUAN State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County Municipality WALL TWP. Lot No. 18 Block No. 312

WELL USE DOMESTIC Status

WATER USE IRRIGATION Average 1000 gals. daily Maximum 8000 gals. daily

WELL CONSTRUCTION Date well completed ___ / ___ / ___
BOREHOLE DIMENSIONS Depths: Total ___ ft. Finished ___ ft.
Diameter: Top ___ in. Bottom ___ in.
Land Surface Elevation at well ___ ft. Elevation was determined using
Casing Height (stick-up) above land surface ___ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		25	3	SCHED 40 PVC
Casing 2				
Casing 3				
Screen 1	25	5	3	
Screen 2				
Tail Piece				
Gravel Pack				
Grout	10	10		BENTONITE
Grouting Method				GRAVITY

WELL FLOWS NATURALLY ___ gals. per min. at ___ ft. above the land surface.
Water rises to ___ ft. above the land surface.

RECORD OF TEST Test Date ___ / ___ / ___
Static water-level before pumping 15 ft. below land surface. Water level ___ ft. below land surface after ___ hrs. of pumping.
Water level was measured using Drawdown ___ ft.
Discharge rate measured using PAIL Discharge Rate 5 gals. per min.
Well was pumped using PUMP Specific Capacity ___ gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by RPM Pump Type JET
Mfrs. Name GOULDS Model J03
CAPACITY: Pump delivers 5 GPM at 30 PSI pressure.
POWER: 1/3 HP at ___ RPM Power Source
DEPTHS: Pump ___ ft. Footpiece ___ ft. Airline ___ ft.
FLOW METER: Model ___ installed on ___ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor RPM-RAYMOND MAYERS INC.
Address
City State Zip Code
Name of Driller RAY MAYER License No. 1191

Signature of Contractor Ray Mayer Date ___ / ___ / ___

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29182 76
29336/6

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method ROTARY

Type of Rig MUD

Aquifer/Geo. Fm. _____

LOG

0 - 1 TOPSOIL
2 - 30 SAND & GRAVEL
30' SOLID LAYER

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(18) 0.4 mi. SE

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 20265
Atlas Sheet Coordinates 29 : 33 : 615

OWNER IDENTIFICATION - Owner GILS, PAUL MR.
Address 1210 NEW BRUNSWICK AVE.
City MANASQUAN State NJ Zip Code 08736

WELL LOCATION - If not the same owner please give address. Owner's Well No. _____
Address _____
County Monmouth Municipality ~~WALL TWP.~~ Lot No. ~~8 & 9~~ Block No. ~~J~~ 2

WELL USE Irrigation Status _____

WATER USE Irrigation Average _____ gals. daily Maximum _____ gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 4 / 19 / 88
Depths: Total 80 ft. Finished 80 ft.
Diameter: Top 8 in. Bottom 8 in.

Land Surface Elevation at well 112 ft. Elevation was determined using topography map #29
Casing Height (stick-up) above land surface 2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		80	4	~~¢W¢~~ Sch 40 PVC
Casing 2				
Casing 3				
Screen 1	10		4	.015" slot PVC
Screen 2				
Tail Piece		5		
Gravel Pack	60	80	8	300# of #1 sand
Grout				
Grouting Method	drop			

WELL FLOWS NATURALLY _____ gals. per min. at _____ ft. above the land surface.
Water rises to _____ ft. above the land surface.

RECORD OF TEST Test Date 4 / 19 / 88
Static water-level before pumping 30 ft. below land surface. Water level 50 ft. below land surface after 1 hrs. of pumping.
Water level was measured using dropline/m-scope Drawdown 20 ft.
Discharge rate measured using bucket Discharge Rate 50 gals. per min.
Well was pumped using air Specific Capacity 2.5 gals. per min. per ft. of drawdown
Observed effects on nearby wells none
Water Quality (taste, odor, color, etc.) _____

PERMANENT PUMPING EQUIPMENT Installed by David Van Brun Jr. Pump Type submersible
Mfrs. Name Red Jacket Model _____
CAPACITY: Pump delivers 15 GPM at 40 *PSI pressure.*
POWER: 3/4 HP at 3450 RPM Power Source electricity
DEPTHS: Pump _____ ft. Footpiece _____ ft. Airline _____ ft.
FLOW METER: Model _____ installed on _____ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor TIGER CONSTRUCTION CORP.
Address 806 Highway 71, P.O. Box 394
City Spring Lake Heights State N.J. Zip Code 07762
Name of Driller Dennis Buchanan License No. J 1393

Signature of Contractor Tiger Construction Corp. (12) Date 6 / 10 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29-20265
29.33.615

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method: Mud Rotary

Type of Rig: Failing CF-15

Aquifer/Geo. Fm.: Cohansy

LOG

0-1 Topsoil
1-19 Coarse sand & gravel
19-60 Medium silty sand
60-75 Medium reddish yellow sand
75-77 Yellow & brown clay
77-79 Fine gray sand
79-80 Gray clay

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(19) 0.06 miles East

Coord# 29:33:8.15

29-20719 E

Form DWR-133
11/80

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

29-20719
29.33815

PERMIT NO. [redacted]

APPLICATION NO. _____

COUNTY Monmouth

WELL RECORD

1. OWNER First Jersey Bank ADDRESS Rossmoor Dr Sea Girt Ave Well
   Owner's Well No. #1 SURFACE ELEVATION — Feet (Above mean sea level)
2. LOCATION Municipality Wall Twp.
3. DATE COMPLETED 7/1/88 DRILLER Michael Gunther
4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 59 Feet
5. CASING: Type PVC Casing Diameter 4 Inches Length 53'5 Feet
6. SCREEN: Type PVC Wire Wound Size of Opening 18 Diameter 4 Inches Length 10 Feet
   Range in Depth { Top 43'-6" Feet / Bottom 53'-6" Feet } Geologic Formation COHANSEY
   Tail Piece: Diameter — Inches Length — Feet
7. WELL FLOWS NATURALLY — Gallons per minute at — Feet above surface
   Water rises to — Feet above surface
8. RECORD OF TEST: Date 8/88 Yield 20 Gallons per minute
   Static water level before pumping 18 Feet below surface
   Pumping level 35 feet below surface after 4 hours pumping
   Drawdown 17 Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
   How pumped Air Compressor How measured Elec Water Tester
   Observed effect on nearby wells None
9. PERMANENT PUMPING EQUIPMENT:
   Type SUBMERSIBLE Mfrs. Name STA-RITE
   Capacity 10 G.P.M. How Driven Electric H.P. 1/2 R.P.M. 3380
   Depth of Pump in well 50 Feet Depth of Footpiece in well — Feet
   Depth of Air Line in well — Feet Type of Meter on Pump — Size — Inches
10. USED FOR Irrigation SEASONAL Only - AMOUNT { Average 500 Gallons Daily / Maximum 1000 Gallons Daily }
11. QUALITY OF WATER Good Sample: Yes — No ✓
    Taste good Odor — Color clear Temp. 55 °F.
12. LOG ON BACK (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.) Are samples available? NO
13. SOURCE OF DATA ROTARY DRILL
14. DATA OBTAINED BY Ray Peters / Mike Gunther Date August 1988
    MASTER #982

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

29-20719

29-20719
29.33.815
Jay

2933815

0-14 Brown Coarse sand
14-26 Large Gravel
26-31 Yellow clay & sand coarse
31-37 Brown stained fine muddy sand
37-52 Fairly coarse brown sand
52 Brown clay & silt sand
52-59 Black clay

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 20919
29.33.295

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☑ No

Drilling Method ROTARY

Type of Rig TOP HEAD

Aquifer/Geo. Fm. COHANSEY

LOG

	Thick.	Lith.	Fm.
0-5 GRAY BLACK MED SAND			
5-35 VERY COARSE YELLOW SAND & GRAVEL			
35-50 MEDIUM YELLOW SAND			
50-65 FINE TAN SAND. TRACE CLAY			
65-80 MED COARSE TAN SAND			

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 26649

29.33.614

Driller: Please use the space below for the log description. Note water bearing zones or geological formation. XX

Are samples available? ☑ Yes ☐ No

Drilling Method Mud Rotary

Type of Rig Failing CF-15

Aquifer/Geo. Fm. Cohansey

LOG

		Thick.	Lith.	Fm.
0-2	Brown gravel and sand			
2-7	Orange medium to fine sand			
7-11	Brown clay and gravel			
11-19	Gray coarse sand			
19-45	Yellow fine sand			
45-54	Reddish fine sand			
54-70	Yellow medium to coarse sand (COHANSEY)			

DEP USE ONLY

Storet Hydrogeo Code _____

USGS Hydrogeo Code _____

Depth to Bedrock _____ ft.

Bedrock Lith. Code _____

Bedrock Fm. Code _____

Completed by _____

Date ____ / ____ / ____

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(20) 0.5 miles SE

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 21163
Atlas Sheet Coordinates 29 : 33 - 615

OWNER IDENTIFICATION - Owner TULLY, WILLIAM & LORRAINE
Address 1010 NEW BRUNSWICK AVENUE
City MANASQUAN State NJ Zip Code 08736

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County Monmouth Municipality WALL TWP. Lot No. 5 Block No. 313

WELL USE Irrigation Status
WATER USE Irrigation Average gals. daily Maximum gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 9 / 9 / 88
Depths: Total 60 ft. Finished 60 ft.
Diameter: Top 6 in. Bottom 6 in.
Land Surface Elevation at well 50 ft. Elevation was determined using Topography MAP #2
Casing Height (stick-up) above land surface 0 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		50	2	sch 40 PVC
Casing 2				
Casing 3				
Screen 1	50	10	2	.012" slot PVC
Screen 2				
Tail Piece				
Gravel Pack				
Grout				
Grouting Method	drop			

WELL FLOWS NATURALLY gals. per min. at ft. above the land surface.
Water rises to ft. above the land surface.

RECORD OF TEST Test Date 9 / 9 / 88
Static water-level before pumping 18 ft. below land surface. Water level 40 ft. below land surface after 1 hrs. of pumping.
Water level was measured using dropline/M-Scope Drawdown 22 ft.
Discharge rate measured using Bucket Discharge Rate 15 gals. per min.
Well was pumped using Air Specific Capacity .68 gals. per min. per ft. of drawdown
Observed effects on nearby wells none
Water Quality (taste, odor, color, etc.)

PERMANENT PUMPING EQUIPMENT Installed by Pump Type Jet
Mfrs. Name Goulds Model
CAPACITY: Pump delivers 20 GPM at 40 PSI pressure.
POWER: 1 HP at RPM Power Source Electricity
DEPTHS: Pump ft. Footpiece ft. Airline ft.
FLOW METER: Model installed on in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor TIGER CONSTRUCTION CORP.
Address 806 Hwy. 71 P.O. Box 394
City Spring Lake Hts. State N.J. Zip Code 07762
Name of Driller License No.

Signature of Contractor Tiger Construction Corp. Date 9 / 14 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 21163

29-33-6LD

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Auger

Type of Rig _____

Aquifer/Geo. Fm. _____

LOG

0-2 Brown Gravel + Sand
2-7 Orange med/Fine Sand
7-11 Brown Clay + Gravel
11-12 Orange gravel, coarse Sand
12-15 Gray coarse Sand
15-20 Orange clayey Sand
20-38 yellowish Fine Sand
38-45 Red Fine Sand
45-60 yellow med. Sand

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(21) 0.3 miles NE

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 21285
Atlas Sheet Coordinates 29 : 33 : 376

OWNER IDENTIFICATION - Owner ~~HUBER, WILLIAM~~
Address ~~2144 REDWOOD DRIVE~~
City ~~SEA GERT~~ State ~~NJ~~ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County Municipality ~~WALL TWP.~~ Lot No. 6 Block No. 722

WELL USE irrigation Status

WATER USE Average gals. daily Maximum gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 10 / 13 / 88
Depths: Total 110 ft. Finished 110 ft.
Diameter: Top 8 in. Bottom 8 in.
Land Surface Elevation at well 50' ft. Elevation was determined using topography map 29
Casing Height (stick-up) above land surface ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		88	4	sch 40 PVC
Casing 2				
Casing 3				
Screen 1	88	15	4	.015 PVC screen
Screen 2				
Tail Piece		5		
Gravel Pack	78	29	8	
Grout		78		holeplug
Grouting Method		drop		

WELL FLOWS NATURALLY gals. per min. at ft. above the land surface.
Water rises to ft. above the land surface.

RECORD OF TEST Test Date 10 / 13 / 88
Static water-level before pumping 23' ft. below land surface. Water level 65 ft. below land surface after 1 hrs. of pumping.
Water level was measured using dropline/M scope Drawdown 42 ft.
Discharge rate measured using bucket Discharge Rate 60 gals. per min.
Well was pumped using air Specific Capacity 1.43 gals. per min. per ft. of drawdown
Observed effects on nearby wells none
Water Quality (taste, odor, color, etc.)

PERMANENT PUMPING EQUIPMENT Installed by David Van Brunt Jr. Pump Type submersible
Mfrs. Name Red Jacket Model 7 GC Red Jacket
CAPACITY: Pump delivers 10 GPM at 40 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source electricity
DEPTHS: Pump 83 ft. Footpiece ft. Airline ft.
FLOW METER: Model installed on in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor TIGER CONSTRUCTION CORP.
Address 806 Hwy. 71
City Spring Lake Hts. State N.J. Zip Code 07762
Name of Driller Dennis Buchannan License No. J1393

(W)
Signature of Contractor Tiger Construction Service Corp Date 12 / 29 / 88

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29-21285
29-33376

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Mud Rotary

Type of Rig Failing CF-15

Aquifer/Geo. Fm. Cohansey

DEP USE ONLY

Storet Hydrogeo Code _____

USGS Hydrogeo Code _____

Depth to Bedrock _____ ft.

Bedrock Lith. Code _____

Bedrock Fm. Code _____

Completed by _____

Date ____ / ____ / ____

LOG

		Thick.	Lith.	Fm.
0-21	Coarse Sand			
21-47	medium white and gray sand			
47-72	brown and gray clay			
72-104	very fine to fine quartz sand (Kirkwood)			
104-108	gray and brown sandy clay			
108-110	gray/green clay			

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(22) 0.4 miles East

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 22501
Atlas Sheet Coordinates 29 : 33 : 613

OWNER IDENTIFICATION - Owner CAMPBELL, RICHARD
Address 2202 LINCRIS LA.
City WALL State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County Municipality WALL TWP. Lot No. 002 Block No. 00713

WELL USE Domestic Irrigation Status Productive Completed

WATER USE Same Average 1500 gals. daily Maximum 3000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 4 / 22 / 89
Depths: Total 52 ft. Finished 47 ft.
Diameter: Top 8½ in. Bottom 8½ in.
Land Surface Elevation at well 30 ft. Elevation was determined using Topo 29
Casing Height (stick-up) above land surface 1½ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		37'	4"	SCH 40 4" PVC
Casing 2				
Casing 3				
Screen 1	37'	10'	4"	SCH 40 4" PVC 15 Slot
Screen 2				
Tail Piece		None		
Gravel Pack	39'	13'	4½"	600 lbs #1 SAND
Grout	18"	25½'		Bentine Slurry
Grouting Method	Tremie Poled			

WELL FLOWS NATURALLY N/A gals. per min. at N/A ft. above the land surface.
Water rises to N/A ft. above the land surface.

RECORD OF TEST Test Date 5 / 9 / 89
Static water-level before pumping ft. below land surface. Water level 13 ft. below land surface after 6 hrs. of pumping.
Water level was measured using 13 Drawdown 5 ft.
Discharge rate measured using Centrifugal Discharge Rate 25 gals. per min.
Well was pumped using Sub Specific Capacity 1 gals. per min. per ft. of drawdown
Observed effects on nearby wells None
Water Quality (taste, odor, color, etc.) Good None Clear

PERMANENT PUMPING EQUIPMENT Installed by Driller Pump Type Sub
Mfrs. Name Goulds Model 25EH10422
CAPACITY: Pump delivers 25 GPM at 60 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 220 AC
DEPTHS: Pump 35 ft. Footpiece N/A ft. Airline N/A ft.
FLOW METER: Model NA installed on 1 in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor BRIAN FUNKHOUSER
Address RD #2 Box 5
City Hoxsey State PA Zip Code 07731
Name of Driller Same License No.

Signature of Contractor [signature] Date 5 / 15 / 89

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Form DWR-138
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 22501
29,33.613

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Rotary Mud

Type of Rig F-750

Aquifer/Geo. Fm. O-B-T

LOG

0'-5' Brown Sandy loam
5'-9' Brown Sandy Silty Clay
9'-15' Fine Gravel
15'-19½' Brown Clay
19½-27' Med to Coarse Sand & Gravel Some Blk Clay
27'-47' Med to fine Sand Some Red/White Clay
47'-52' Black Silty Clay

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

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(23) 0.4 miles South, SE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PAGE 1 OF 2

WELL RECORD

Well Permit No. 29 - 22872
Atlas Sheet Coordinates 29 : 33 : 612

OWNER IDENTIFICATION - Owner Groh, George
Address 1112 New Brunswick Ave.
City Wall State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address Same As Above
County Monmouth Municipality Wall Lot No. 7 Block No. 303

WELL USE Withdrawal Status In Use

WATER USE Irrigation Average 2000 gals. daily Maximum 4000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 89 / 07 / 07
Depths: Total 108 ft. Finished ----- ft.
Diameter: Top 8.5" in. Bottom ----- in.
Land Surface Elevation at well 40 ft. Elevation was determined using Topographic Map
Casing Height (stick-up) above land surface ~~+5'~~ 0 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		83	4.0"	Schedule 40 PVC
Casing 2				
Casing 3				
Screen 1	83	~~20~~	~~4"~~	~~Schedule 40 PVC/.020~~
Screen 2				
Tail Piece		5'	4"	
Gravel Pack	73	~~25'~~	~~8.5"~~	.025 Blended
Grout	Surface	73		200 mesh Bentonite
Grouting Method	Pressure, Thru Tremie Pipe			

WELL FLOWS NATURALLY _____ gals. per min. at _____ ft. above the land surface.
Water rises to _____ ft. above the land surface.

RECORD OF TEST Test Date 89 / 07 / 07
Static water-level before pumping 36 ft. below land surface. Water level 74 ft. below land surface after 1 hrs. of pumping.
Water level was measured using Estimated Drawdown 38 ft.
Discharge rate measured using Measured Container Discharge Rate 15 gals. per min.
Well was pumped using Air Lift Specific Capacity 0.4 gals. per min. per ft. of drawdown
Observed effects on nearby wells None
Water Quality (taste, odor, color, etc.) Good

PERMANENT PUMPING EQUIPMENT Installed by PICKWICK WELL DRLG Pump Type Submersible
Mfrs. Name Gould Model 10EJ05422
CAPACITY: Pump delivers 12 GPM at 40 PSI pressure.
POWER: 1/2 HP at 3450 RPM Power Source Electric
DEPTHS: Pump 85 ft. Footpiece _____ ft. Airline _____ ft.
FLOW METER: Model _____ installed on _____ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor PICKWICK WELL DRILLING
Address P.O. Box 6, Farmingdale, NJ 07727 (201) 938 5300
City ~~David Primost M1041~~ ~~Norman Primost J1040~~ State Zip Code
Name of Driller Allen Primost J1407 License No.

Signature of Contractor _____ Date 89 / 07 / 25

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 22872

29.33.612

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Mud Rotary

Type of Rig T.H. Drive

Aquifer/Geo. Fm. Tkw (Lower)

DEP USE ONLY

Storet Hydrogeo Code _____

USGS Hydrogeo Code _____

Depth to Bedrock _____ ft.

Bedrock Lith. Code _____

Bedrock Fm. Code _____

Completed by _____

Date ____ / ____ / ____

LOG

	Thick.	Lith.	Fm.
0-10 Gravel			
10-25 Coarse Tan Sand			
25-30 Fine Tan Sand / Ochre Silt			
30-55 Fine & Med. Tan Sand / Ochre Silt			
55-60 Silty Ochre Clay / dark Silt			
60-75 Fine tan sand / silty ochre clay			
75-90 Silty Brown Clay / Fine gray sand / Bark			
90-108 Fine gray Sand / Bark / Some med. Sand			

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ pg 3 Date ____ / ____ / ____

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PAGE 1 OF 2

(24) 0.3 miles N.NE

WELL RECORD

Well Permit No. 29- 23121
Atlas Sheet Coordinates 29 : 33 : 384

OWNER IDENTIFICATION - Owner GILLIGAN, MR.
Address 2152 REDWOOD RD.
City SEA GIRT State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address ABOVE
County Monmouth Municipality ~~WALL TWP.~~ Lot No. 3 Block No. ~~722~~

WELL USE WITH DRAWL Status IN USE

WATER USE Summer Average 1500 gals. daily Maximum N/A gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 8 / 10 / 89
Depths: Total 100 ft. Finished 98' ft.
Diameter: Top 8" in. Bottom 8" in.
Land Surface Elevation at well N/A ft. Elevation was determined using N/A
Casing Height ~~(stick-up)~~ above land surface BELOW ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		77'	4"	PVC
Casing 2				
Casing 3				
Screen 1	77'	20'	4"	.015 PVC
Screen 2				
Tail Piece	97'	3'		
Gravel Pack	20'	70'		COARSE SAND
Grout	20'	20'		NEAT CEMENT
Grouting Method				PRESSURE

WELL FLOWS NATURALLY 0 gals. per min. at 0 ft. above the land surface.
Water rises to 0 ft. above the land surface.

RECORD OF TEST Test Date 8 / 10 / 89
Static water-level before pumping 14' ft. below land surface. Water level 97' ft. below land surface after 24 hrs. of pumping.
Water level was measured using DROPLINE Drawdown 83' ft.
Discharge rate measured using 5 GAL BUCKET Discharge Rate 40 gals. per min.
Well was pumped using AIR Specific Capacity .45 gals. per min. per ft. of drawdown
Observed effects on nearby wells
Water Quality (taste, odor, color, etc.)

PERMANENT PUMPING EQUIPMENT Installed by Robert Azurak Pump Type Submersible
Mfrs. Name Hermetor Model SD 20-100
CAPACITY: Pump delivers 20 GPM at 50 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 230 volt
DEPTHS: Pump 75' ft. Footpiece N/A ft. Airline N/A ft.
FLOW METER: Model installed on in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor ROBERT AZURAK
Address 2 WOOD HAVEN RD.
City TOMS RIVER State N.J. Zip Code 08753
Name of Driller License No. 1142

Signature of Contractor Robert Azurak Date 8 / 10 / 89

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29- 23121
29,33,384

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Rotary

Type of Rig 250 Failing

Aquifer/Geo. Fm. Rockwood

LOG

0 - 3' Sand & Clay
3 - 14' Sand
14 - 17' Silt & Sand
17 - 34' Silt
34 - 56 Silt & Sand - Gray
56 - 97' Fine Silt & Sand Gray

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

(25) .5 miles E

WELL RECORD

Well Permit No. 29 – 24553
Atlas Sheet Coordinates 29 : 33 : 384

OWNER IDENTIFICATION - Owner GAGLIANO, FRANK
Address MAGNOLIA AVE.
City WALL State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address ABOVE
County MONMOUTH Municipality ~~WALL TWP.~~ Lot No. ~~34~~ Block No. ~~716~~

WELL USE WITHDRAWL Status IN USE

WATER USE IRRIGATION Average 1500 gals. daily Maximum N/A gals. daily

WELL CONSTRUCTION Date well completed 4/26/90
BOREHOLE DIMENSIONS Depths: Total 120 ft. Finished +17 ft.
Diameter: Top 8" in. Bottom 8" in.
Land Surface Elevation at well N/A ft. Elevation was determined using N/A
Casing Height (~~Stick-up~~) above land surface 1' ft. Below

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1		97'	4"	PVC
Casing 2				
Casing 3	~~0~~ 97'	20'	4"	.015 PVC
Screen 1				
Screen 2				
Tail Piece				
Gravel Pack	90'	27'	8"	Pea Gravel
Grout	90	89'		NEAT Cement
Grouting Method	Pressure			

WELL FLOWS NATURALLY 0 gals. per min. at 0 ft. above the land surface.
Water rises to 0 ft. above the land surface.

RECORD OF TEST Test Date 4/26/90
Static water-level before pumping 21 ft. below land surface. Water level 85' ft. below land surface after ½ hrs. of pumping.
Water level was measured using Drop line Drawdown 85 ft.
Discharge rate measured using 5 GAL Bucket Discharge Rate 100+ gals. per min.
Well was pumped using AIR Specific Capacity 1.2 gals. per min. per ft. of drawdown
Observed effects on nearby wells
Water Quality (taste, odor, color, etc.)

PERMANENT PUMPING EQUIPMENT Installed by Robert Azurak Pump Type Submersible
Mfrs. Name Hermotor Model SD 20-100
CAPACITY: Pump delivers 20 GPM at 50 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 230 volt
DEPTHS: Pump 85' ft. Footpiece N/A ft. Airline N/A ft.
FLOW METER: Model installed on in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor ~~ROBERT AZURAK~~
Address WOOD HAVEN RD T.R.
City State NJ Zip Code 08253
Name of Driller Robert Azurak License No. 1192

Signature of Contractor Date 4/26/90

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29- 24553
29 33 384

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Rotary

Type of Rig 250 Failing

Aquifer/Geo. Fm. Kirkwood

LOG

0- 9' Sand & Clay
9- 36' Sand - Gravel
36- 44 Silty Sand
44- 86' Gray Clay
86- 95 Sand - Dirty
95- 119 Coarse Sand Dirty

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

(26) 0.2 Miles 5,W

WELL RECORD

Well Permit No. ~~29~~ - ~~24709~~
Atlas Sheet Coordinates ~~25~~ : ~~33~~ : ~~299~~

OWNER IDENTIFICATION - Owner MANASQUAN SAVINGS LOAN
Address MEETING HOUSE RD & RT. 35
City WALL TWP. State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address SAME
County Municipality WALL TWP. Lot No. 3 & 9 Block No. 807

WELL USE IRRIGATION Status SEASONAL

WATER USE " Average gals. daily Maximum gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 11 / 30 / 90
Depths: Total 58 ft. Finished 58 ft.
Diameter: Top 4 in. Bottom 4 in.
Land Surface Elevation at well ft. Elevation was determined using
Casing Height (stick-up) above land surface ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		51.5	4	BLK. STEEL, SCH 40 TFC
Casing 2				
Casing 3				
Screen 1	52	6	4"	S.S. DRIVE SCREEN .018"
Screen 2				
Tail Piece		3	4	
Gravel Pack				
Grout				
Grouting Method				

WELL FLOWS NATURALLY gals. per min. at ft. above the land surface.
Water rises to ft. above the land surface.

RECORD OF TEST Test Date 12 / 1 / 90
Static water-level before pumping 18' 6" ft. below land surface. Water level 25 ft. below land surface after 2 hrs. of pumping.
Water level was measured using ELEC. W/L TESTER Drawdown 6.5 ft.
Discharge rate measured using 5 GAL. (WATCH) TIMED Discharge Rate 15 gals. per min.
Well was pumped using SUB. TEST PUMP Specific Capacity 2.3 gals. per min. per ft. of drawdown
Observed effects on nearby wells
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by E. R. RICHMOND Pump Type SUB.
Mfrs. Name GOULDS Model 10ES07K22
CAPACITY: Pump delivers 15 GPM at 50 PSI pressure.
POWER: 3/4 HP at 3450 RPM Power Source ELEC.
DEPTHS: Pump 30 ft. Footpiece ft. Airline ft.
FLOW METER: Model installed on 1" Poly in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor
Address CRESTVIEW WELL DRILLING
City FT. PLEASANT State NJ Zip Code 08742
Name of Driller ERIC R. RICHMOND License No. 357

Signature of Contractor Eric R. Richmond Date 12 / 7 / 90

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 24709
29 33299

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☑ No

Drilling Method CABLE TOOL

Type of Rig "

Aquifer/Geo. Fm. CAPE MAY

DEP USE ONLY

Storet Hydrogeo Code _____

USGS Hydrogeo Code _____

Depth to Bedrock _____ ft.

Bedrock Lith. Code _____

Bedrock Fm. Code _____

Completed by _____

Date ____ / ____ / ____

LOG

	Thick.	Lith.	Fm.
0-3 TOPSOIL / CLAY			
3-5 CLAY			
5-11 GRAVEL & SAND			
11-14 " " COARSE			
14-26 SANDY CLAY - YELLOW			
26-31 SAND - SOME SAND			
31-33 MIXED GREY SAND & GRAVEL			
33-50 SANDY CLAY - YELLOW			
50-55 MED. COARSE SAND - TAN			
55-58 MED. COARSE SAND - YELLOW/ORANGE			

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

(27) 0.37 MILES SE

Well Permit No. 29 - 26649
Atlas Sheet Coordinates 29: 33: 614

OWNER IDENTIFICATION - Owner AHERN, EDWARD
Address 217 HIGHWAY 71
City MANASQUAN State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address Camden and Atlantic Avenue
County Monmouth Municipality WALL TWP. Lot No. 19 Block No. 303

WELL USE Irrigation Status

WATER USE Irrigation Average 500 gals. daily Maximum 3000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 8 / 6 91 /
Depths: Total 70 ft. Finished 70 ft.
Diameter: Top 6 1/2 in. Bottom 6 1/2 in.

Land Surface Elevation at well 40 ft. Elevation was determined using TOPO MAP #29
Casing Height (stick-up) above land surface -- ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		60	2	Sch. 40 PVC
Casing 2				
Casing 3				
Screen 1	60	10	2	.015" slot PVC
Screen 2				
Tail Piece				
Gravel Pack				
Grout	3	55		Neat cement
Grouting Method	Pressure tremie			

WELL FLOWS NATURALLY gals. per min. at ft. above the land surface.
Water rises to ft. above the land surface.

RECORD OF TEST Test Date 8 / 6 91 /
Static water-level before pumping 31 ft. below land surface. Water level 55 ft. below land surface after 1 hrs. of pumping.
Water level was measured using dropline/M-scope Drawdown 24 ft.
Discharge rate measured using bucket+watch Discharge Rate 30 gals. per min.
Well was pumped using air Specific Capacity 1.25 gals. per min. per ft. of drawdown
Observed effects on nearby wells none
Water Quality (taste, odor, color, etc.) good

PERMANENT PUMPING EQUIPMENT Installed by Dennis B. Davis Pump Type JET
Mfrs. Name GOULDS Model JL10N
CAPACITY: Pump delivers 15 GPM at 40 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source electricity
DEPTHS: Pump ft. Footpiece ft. Airline ft.
FLOW METER: Model installed on in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor [illegible] CONSTRUCTION CORP.
Address 806 [illegible]
City Spring Lake Heights State N.J. Zip Code 07762
Name of Driller Dennis B. Davis License No. M987

Signature of Contractor Date 8/19/91

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

28
0.3 mi E/S
E/S

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PAGE 1 OF 2

WELL RECORD

Well Permit No. 29 – 26991
Atlas Sheet Coordinates 29 : 33 : 379

OWNER IDENTIFICATION - Owner BOKER, GEORGE
Address 2178 OLD MILL RD.
City SEA GIRT State NJ Zip Code 08750

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County MONMOUTH Municipality ~~WALL TWP.~~ Lot No. 9 Block No. 711

WELL USE WITHDRAWAL Status IN USE

WATER USE IRRIGATION Average 1500 gals. daily Maximum 2000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 12 / 9 / 91
Depths: Total 110' ft. Finished 110' ft.
Diameter: Top 8" in. Bottom 8" in.
Land Surface Elevation at well 20' ft. Elevation was determined using TOPO. MAP
Casing Height (stick-up) above land surface 0 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		100'	4"	PVC
Casing 2				
Casing 3				
Screen 1	100'	10'	4"	PVC .020 SLOT
Screen 2				
Tail Piece				
Gravel Pack				
Grout	98'			BENTONITE
Grouting Method	PUMPED IN - TREMIE POLE			

WELL FLOWS NATURALLY 0 gals. per min. at 0 ft. above the land surface.
Water rises to 0 ft. above the land surface.

RECORD OF TEST
Static water-level before pumping 22' Test Date 12 / 9 / 91 ft. below land surface. Water level 34' ft. below land surface after 1 hrs. of pumping.
Water level was measured using CALIB. HOSE Drawdown 12 ft.
Discharge rate measured using CALIB. BUCKET Discharge Rate 30± gals. per min.
Well was pumped using SUBMERSIBLE PUMP Specific Capacity 2.5 gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) GOOD, NONE, CLEAR

PERMANENT PUMPING EQUIPMENT Installed by SPRINKLE-WELL Pump Type SUBMERSIBLE
Mfrs. Name STA-RITE Model 20SPHE02T-01
CAPACITY: Pump delivers 25 GPM at 25 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source ELECTRIC
DEPTHS: Pump 100 ft. Footpiece 0 ft. Airline 0 ft.
FLOW METER: Model 0 installed on 0 in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor ~~SPRINKLE WELL, INC.~~ 31 CHAMBERS BRIDGE ROAD
Address
City LAKEWOOD State N.J. Zip Code 08701
Name of Driller ROSS DENNIS License No. 1044

Signature of Contractor Pamela Hennagen Date 12 / 10 / 91

3/31/92

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 29 - 26991
29 33 379

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☑ No

Drilling Method ROTARY MUD

Type of Rig ROTARY

Aquifer/Geo. Fm. CONNUSEY

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

LOG

	Thick.	Lith.	Fm.
0-10' SAND			
10-20' CLAY PEBBLES			
20-25' WHITE MUSHY CLAY			
25-30' YELLOW CLAY			
30-40' GRAY & YELLOW CLAY PEBBLES			
40-55' GRAY MUSHY CLAY & FINE SAND			
55-60' MED. GRAY SAND			
60-75' GRAY MUSHY CLAY & FINE SAND			
75-90' GRAY MUSHY CLAY & MED. SAND			
90-110' MED. SAND			

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

DWR-138
8/91

(29)

SE
2464

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 28133
Atlas Sheet Coordinates 39 38 41.6

OWNER IDENTIFICATION - Owner MARKLAND, KEVIN D.
Address 1008 NEW BRUNSWICK AVENUE
City WALL State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address New Brunswick Ave.
County Monmouth Municipality WALL TWP. Lot No. 4 Block No. 313

WELL USE Withdrawal Status In Use

WATER USE Irrigation Average gals. daily Maximum gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 6 / 5 / 92
Depths: Total 125 ft. Finished 125 ft.
Diameter: Top 8 in. Bottom 4 in.
Land Surface Elevation at well 70 ft. Elevation was determined using Atlas Sheet
Casing Height (stick-up) above land surface 1 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		119	4	P.V.C.
Casing 2				
Casing 3				
Screen 1		5	4	P.V.C. - Slot #20
Screen 2				
Tail Piece				
Gravel Pack	125-119			#2
Grout	From top of Screen	to Surface		Ben Seal
Grouting Method	Pressure			

WELL FLOWS NATURALLY gals. per min. at ft. above the land surface.
Water rises to ft. above the land surface.

RECORD OF TEST Test Date 6 / 5 / 92
Static water-level before pumping 27 ft. below land surface. Water level ft. below land surface after hrs. of pumping.
Water level was measured using Tape Measure Drawdown ft.
Discharge rate measured using Calibrated Pail Discharge Rate 15 gals. per min.
Well was pumped using Air Compressor Specific Capacity gals. per min. per ft. of drawdown
Observed effects on nearby wells None
Water Quality (taste, odor, color, etc.) Good

PERMANENT PUMPING EQUIPMENT Installed by Others Pump Type
Mfrs. Name Model
CAPACITY: Pump delivers GPM at PSI pressure.
POWER: HP at RPM Power Source
DEPTHS: Pump ft. Footpiece ft. Airline ft.
FLOW METER: Model installed on in. diameter pipe.

KATE WELL DRILLING

CONTRACTOR - Name of Drilling Contractor
Address R.D. 1, Box 25
City Jackson State N.J. Zip Code
Name of Driller ~~Kate~~ Gary Poppe License No.

Signature of Contractor Mary Lechner, Sec. + Treas. Date 7 / 1 / 92

DWR-138
8/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 - 28133
29 33 616

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method Rotary

Type of Rig Rotary

Aquifer/Geo. Fm. Kirkwood

LOG

0-20' - Course Gravel
20'-60' - Muddy Yellow Silt & Clay
60'-100' - Grey Clay & Wood & Silt
100'-125' - Clean Kirkwood Sand

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

DWR-138
8/91

30
0.26 Miles
A

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

PAGE 1 OF 2

WELL RECORD

Well Permit No. 29 - 29996
Atlas Sheet Coordinates 29 : 33 : 375

OWNER IDENTIFICATION - Owner GANNON, HOWARD
Address 2150 COTTONWOOD DRIVE
City SEA GIRT State NJ Zip Code

WELL LOCATION - If not the same owner please give address. Owner's Well No. 1
Address SAME
County MONMOUTH Municipality WALL TWP. Lot No. 6 Block No. 720

WELL USE IRRIGATION Status SEASONAL USE

WATER USE LAWN Average 750 gals. daily Maximum 1000 gals. daily

WELL CONSTRUCTION Date well completed 8 / 20 / 93
BOREHOLE DIMENSIONS Depths: Total 50 ft. Finished 48 ft.
Diameter: Top 8 in. Bottom 8 in.
Land Surface Elevation at well 60 ft. Elevation was determined using MAP
Casing Height (stick-up) above land surface — ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		40	4	PVC - SCHEDULE #40
Casing 2		—		
Casing 3		—		
Screen 1	40	8	4	PVC - WIRE WOUND #15 SLOT MFG. - JOHNSON
Screen 2	—			
Tail Piece		—		
Gravel Pack	38	12	8	#2 SAND
Grout	0	38		BENSEAL
Grouting Method		PRESSURE GROUT		

WELL FLOWS NATURALLY — gals. per min. at — ft. above the land surface.
Water rises to — ft. above the land surface.

RECORD OF TEST Test Date 8 / 19 / 93
Static water-level before pumping 19 ft. below land surface. Water level 30 ft. below land surface after 3 hrs. of pumping.
Water level was measured using TESTOR Drawdown 11 ft.
Discharge rate measured using PAIL Discharge Rate — gals. per min.
Well was pumped using AIR COMPRESSOR Specific Capacity — gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) CLEAR

PERMANENT PUMPING EQUIPMENT Installed by DRILLER Pump Type SUBMERSIBLE
Mfrs. Name STA-RITE Model SSA4C02S
CAPACITY: Pump delivers 12 GPM at 56 PSI pressure.
POWER: 1/2 HP at 3450 RPM Power Source ELECTRIC
DEPTHS: Pump 45 ft. Footpiece — ft. Submergence — ft.
FLOW METER: Model — in. diameter pipe.

MICH. GUNTHER WELL & PUMP REP.

CONTRACTOR - Name of Drilling Contractor
Address 282 LAKES BLVD RD
City HOWELL State N.J. Zip Code 07731
Name of Driller MICHAEL GUNTHER License No. 982

Signature of Contractor Michael Gunther Date 10 / 1 / 93

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

WELREC 112 1710

DWR-138
8/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 - 29936
29 33375

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method ROTARY - MUD

Type of Rig MAHYEW

Aquifer/Geo. Fm. COHANSEY

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

LOG

0-8 = BROWN CLAY & GRAVEL
8-12 = SOFT BROWN SAND
12-24 = HARD CONSOLIDATED BROWN GRAVEL
24-40 = FINE YELLOW SAND & CLAY
40-48 = HARD PAN - COARSE BROWN SAND
48-50 = BLACK CLAY

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

WATER ALLOCATION
BUREAU OF
83 NOV 18 PM 2:28
RECEIVED

DWR-138
8/91

31
0.33 Miles South

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 - 31500[illegible]
Atlas Sheet Coordinates 29 ; [illegible] 621

OWNER IDENTIFICATION - Owner CONLEY, JOHN
Address 2207 CHRISTIE LANE
City SEA GIRT State NJ Zip Code 08750

WELL LOCATION - If not the same owner please give address. Owner's Well No.
Address
County MONMOUTH Municipality WALL TWP. Lot No. 20 Block No. 285

WELL USE DOMESTIC / IRRIGATION Status ACTIVE

WATER USE IRRIGATION (NON-POTABLE) Average 1000 gals. daily Maximum 2500 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 8 / 6 / 94
Depths: Total 40 ft. Finished 40 ft.
Diameter: Top 6.5 in. Bottom 6.5 in.
Land Surface Elevation at well 26 ft. Elevation was determined using SITE PLAN TOPO.
Casing Height (stick-up) above land surface -2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	FROM -2	28	2	SCH. 40 PVC
Casing 2				
Casing 3				
Screen 1	30	10	2	SCH. 40 PVC (.015" SLOT)
Screen 2				
Tail Piece				
Gravel Pack	28	12	6.5	#1 NJP GRAVEL
Grout	2.5	25.5		BENTONITE
Grouting Method	PRESSURE	TREMIE		

WELL FLOWS NATURALLY N/A gals. per min. at _____ ft. above the land surface.
Water rises to _____ ft. above the land surface.

RECORD OF TEST Test Date 8 / 6 / 94
Static water-level before pumping 9 ft. below land surface. Water level 15 ft. below land surface after 1 hrs. of pumping.
Water level was measured using ~~[illegible]~~ SOUNDLINE Drawdown 6 ft.
Discharge rate measured using BUCKET & WATCH Discharge Rate 15 gals. per min.
Well was pumped using AIR Specific Capacity 2.5 gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by RONALD HIGGINS Pump Type SW JET
Mfrs. Name GOULDS Model
CAPACITY: Pump delivers 15 GPM at 40 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 230-VOLT 1φ ELECTRIC
DEPTHS: Pump N/A ft. Footpiece _____ ft. Airline _____ ft.
FLOW METER: Model NONE installed on — in. diameter pipe.

CONTRACTOR Name of Drilling Contractor TIGER CONSTRUCTION CORP.
Address 806 Hwy 71
City SPRING LAKE HEIGHTS State NJ Zip Code 07762
Name of Driller DENNIS B. DAVIS License No. MD0987

Signature of Contractor _____ Date 8 / 8 / 94

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
8/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 - 31520
29 33 621

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method DC Rotary

Type of Rig Failing CF-15

Aquifer/Geo. Fm. Cohansey

LOG

0-5 Basil Run Sand & Gravel
Fill w/ 5-10% Silts
5-8 Orange Silty Sand
8-15 Yellow Weathered Sand & Gravel
15-28 F-M Silty Yellow Sand
28-40 F-M Yellow Quartz Sand w/ Trace Silt (Cohansey)

Thick.	Lith.	Fm.

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

DWR-138 - 8/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

PAGE 1 OF 2

WELL RECORD

Well Permit No. 29 - 32114
Atlas Sheet Coordinates 29 : 33 : 621

OWNER IDENTIFICATION - Owner LOPOMO, ANTHONY
Address 2205 CHRISTIE LANE
City SEA GIRT State NJ Zip Code 08750

WELL LOCATION - If not the same owner please give address. Owner's Well No. 1
Address
County MONMOUTH Municipality WALL TWP. Lot No. 21 Block No. 285

WELL USE IRRIGATION (LAWN & GARDEN) Status ACTIVE

WATER USE IRRIGATION / NON-POTABLE Average 1000 gals. daily Maximum 3000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 10 / 15 / 94
Depths: Total 42 ft. Finished 42 ft.
Diameter: Top 6.5 in. Bottom 6.5 in.
Land Surface Elevation at well 30 ft. Elevation was determined using TOPO MAP # 29
Casing Height (stick-up) above land surface -2 ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL Screens: Note Slot Size(s)
Casing 1	FROM GRADE	32	2	SCHEDULE 40 PVC
Casing 2				
Casing 3				
Screen 1	32	10	2	SCH. 40 PVC (.016" SLOT)
Screen 2				
Tail Piece				
Gravel Pack	26	16	6.5	#1 NJ FILTER GRAVEL
Grout	03	23		SODIUM BENTONITE SLURRY
Grouting Method	PRESSURE TREMIE			

WELL FLOWS NATURALLY N/A gals. per min. at _____ ft. above the land surface.
Water rises to _____ ft. above the land surface.

RECORD OF TEST Test Date 10 / 16 / 94
Static water-level before pumping 12 ft. below land surface. Water level 15 ft. below land surface after 2 hrs. of pumping.
Water level was measured using M-SCOPE SOUNDING Drawdown 3 ft.
Discharge rate measured using BUCKET & WATCH Discharge Rate 15 gals. per min.
Well was pumped using AIR Specific Capacity 5.0 gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) GOOD

PERMANENT PUMPING EQUIPMENT Installed by MICHAEL SPAGNUTO Pump Type STAINLESS WELL JET
Mfrs. Name BOWLES Model JZ10NS
CAPACITY: Pump delivers 15 GPM at 40 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 230-V, 1 ϕ ELECTRIC
DEPTHS: Pump — ft. Footpiece — ft. Airline — ft.
FLOW METER: Model NONE installed on 1 in. diameter pipe. DIRECT SUCTION

CONTRACTOR - Name of Drilling Contractor TIGER CONSTRUCTION CORP.
Address 806 HWY 71
City SPRING LAKE HEIGHTS State NJ Zip Code 07762
Name of Driller DENNIS B. DAVIS License No. MD 0987

Signature of Contractor _____ Date 10 / 18 / 94

COPIES: White - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.

WELREC 112 2872

DWR-139
8/91

New Jersey Department of Environmental Protection and Energy
Bureau of Water Allocation

WELL RECORD

Well Permit No. 29 - 32114
29 33 621

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method DC Rotary

Type of Rig FALING CF-15

Aquifer/Geo. Fm. WATER TABLE AQUIFER (COHANSEY)

LOG

0-7 BROWN FINE SAND & GRAVELS

7-42 M-F YELLOW QUARTZ SAND W/ TR. OF GLAUCONITE & YELLOW SILT.

DEP USE ONLY

Storet Hydrogeo Code _____
USGS Hydrogeo Code _____
Depth to Bedrock _____ ft.
Bedrock Lith. Code _____
Bedrock Fm. Code _____

Completed by _____
Date ____ / ____ / ____

Thick.	Lith.	Fm.

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____

(33)
.40 NE

DWR 138
5/95

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number 29 – 35584

Atlas Sheet Coordinates 29 33 : 376

OWNER CRISTELL, FRANK & LAURA

Address 1210 HEMLOCK AVE

City WALL State NJ Zip Code

WELL LOCATION ADDRESS 1210 HEMLOCK AVE Owner's Well No.

County MONMOUTH Municipality WALL TWP. Lot No. 7 Block No. 278.01

WELL USE IRRIGATION

DATE WELL STARTED 7/10/96

DATE WELL COMPLETED 7/10/96

WELL CONSTRUCTION

Total Depth Drilled 115 ft.

Finished Well Depth 111' ft.

Borehole Diameter:
Top 8" in.
Bottom 8" in.

Well Casing Begins:
ft. above grade or
1' ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1'	91'	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	91'	111'	4"	PVC	SCH 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	91'	111'	8"	Sand	700
Grout	1'	91'	8"	Neat Cement / Bentonite	lbs / 200 lbs

RECORD OF TEST

Test Date 7/10/96

Static Water Level 23 ft. below land surface

Water Level Measured Using Dropline

Pumping Water Level 111' ft. below land surface

Well Was Pumped Using Air

Well Yield 60+ gpm

If Pump Tested: Discharge Rate gpm

Duration of Test hours

Grouting Method Pressure

Drilling Method Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Robert Azurak Reg. No. 001380

Pump Type Submersible

Depth of Pump below land surface 75' ft.

Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ROBERT AZURAK

Well Driller (Print) Robert Azurak

Driller's Signature

Registration No. 001380 Date 8/4/96

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0 – 36' Sand

36 – 54' Silty Sand

54 – 114' Silty Sand

Clay – Grey

114' 115' Brown Clay

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

(34)
4 mile NE

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

E
DMR

Well Permit Number
29 — 36092

Atlas Sheet Coordinates
29: 33 : 387

OWNER PATRICK, BRYAN L
Address 112 HEADWATER DR
City MEDFORD State NJ Zip Code

WELL LOCATION ADDRESS 129 HEMLOCK AVE Owner's Well No.
County MONMOUTH Municipality WALL TWP. Lot No. 6 Block No. 278.02

WELL USE IRRIGATION

DATE WELL STARTED 3/25/97
DATE WELL COMPLETED 4/2/97

WELL CONSTRUCTION

Total Depth Drilled 28 ft.
Finished Well Depth 28 ft.
Borehole Diameter:
Top 4 in.
Bottom 3.5 in.
Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+1	21	4	GALV STEEL	11# FT.
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	21	25'4"	4	SS.	206
Blank Casings (No. Used)					
Tail Piece	25'4"	28'	4	BK. STEEL	11# FT.
Gravel Pack					
Grout				Neat Cement / Bentonite	____ lbs / ____ lbs

RECORD OF TEST

Test Date 4/14/97
Static Water Level 15.6 ft. below land surface
Water Level Measured Using ELEC. W/ TESTER
Pumping Water Level 17.5 ft. below land surface
Well Was Pumped Using SUB. TEST PUMP
Well Yield 15 gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method
Drilling Method CABLE TOOL

PERMANENT PUMPING EQUIPMENT

Installed by ERIC R RICHMOND Reg. No. 0357
Pump Type SUB.
Depth of Pump below land surface 21 ft.
Capacity 10 gpm Horsepower 1/2

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-11' MED. BLUE SAND
11-25' MIXED SAND & GRAVEL
25-28' YELLOW SANDY CLAY

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company CRESTVIEW WELL DRILLING
Well Driller (Print) ERIC R. RICHMOND
Driller's Signature Eric R Richmond
Registration No. 0357 Date 4/24/97

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

2:29

DWR-138
5/95

New Jersey Department of Environmental Protection
Bureau of Water Allocation

35 NE 0.3 miles

WELL RECORD

E DMR

Well Permit Number
~~29~~ – ~~37715~~

Atlas Sheet Coordinates
~~29~~ : ~~33~~ : ~~376~~

OWNER ~~MINION, JOSEPH W R~~
Address 1225 CANDLEWOOD LANE
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1225 CANDLEWOOD LANE Owner's Well No.
County MONMOUTH Municipality WALL TWP. Lot No. 1 Block No. 278.02

WELL USE IRRIGATION

DATE WELL STARTED 12 / 6 / 97
DATE WELL COMPLETED 12 / 6 / 97

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 103 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
_____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1	93	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	93	103	4"	PVC	SCH 40 .015
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	93	103		#1 GRAVEL	
Grout	0	93		Neat Cement _____ lbs (Bentonite) 350 lbs	

RECORD OF TEST

Test Date 12 / 16 / 97
Static Water Level 20 ft. below land surface
Water Level Measured Using HOSE
Pumping Water Level 35 ft. below land surface
Well Was Pumped Using AIR LIFT
Well Yield 40 gpm
If Pump Tested: Discharge Rate _____ gpm
Duration of Test _____ hours

Grouting Method PRESSURE THROUGH TREMIE
Drilling Method ROTARY

PERMANENT PUMPING EQUIPMENT

Installed by CRAIG MARSH Reg. No. J1439
Pump Type 1HP SUBMERSIBLE
Depth of Pump below land surface 65 ft.
Capacity 20 gpm Horsepower 1HP

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) CRAIG MARSH
Driller's Signature Craig Marsh
Registration No. J1439 Date 12 / 20 / 97

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20 MED TO COARSE SAND W/ GRAVEL
20-35 MED TO COARSE SAND W/ GRAVEL & CLAY
35-50 FINE SAND W/ GREY CLAY
50-65 FINE SAND W/ GREY CLAY
65-80 FINE SAND
80-HD MED GREY SAND W/ WOOD

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

E
DMR

36 NE 0.46 miles

Well Permit Number
~~29~~ - ~~37719~~

Atlas Sheet Coordinates
~~29~~ ~~33~~ : ~~376~~

OWNER ~~LARSON, ROBERT W~~
Address 2156 OLD MILL RD
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 2156 OLD MILL RD Owner's Well No.
County MONMOUTH Municipality WALL TWP. Lot No. 2 Block No. 278.02

WELL USE IRRIGATION

DATE WELL STARTED 12 / 5 / 97
DATE WELL COMPLETED 12 / 5 / 97

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 103 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1	93	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	93	103	4"	PVC	SCH 40 .015
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	93	103		#1 GRAVEL	
Grout	0	93		Neat Cement / Bentonite	____ lbs / 350 lbs

RECORD OF TEST

Test Date 12 / 8 / 97
Static Water Level 20 ft. below land surface
Water Level Measured Using HOSE
Pumping Water Level 35 ft. below land surface
Well Was Pumped Using AIR LIFT
Well Yield 60 gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method PRESSURE THROUGH TREMIE
Drilling Method ROTARY

PERMANENT PUMPING EQUIPMENT

Installed by CRAIG MARSH Reg. No. J1439
Pump Type 1HP SUBMERSIBLE
Depth of Pump below land surface 65 ft.
Capacity 20 gpm Horsepower 1HP

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) CRAIG MARSH
Driller's Signature CRAIG MARSH
Registration No. J1439 Date 12 / 20 / 97

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20 MED SAND, COARSE SAND, GRAVEL
20-35 MED TO COARSE SAND, GRAVEL & CLAY
35-50 FINE SAND W/ GREY CLAY
50-65 FINE SAND W/ GREY CLAY
65-80 FINE SAND
80-110 MED GREY SAND W/ WOOD.

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

37
0.46 miles
NE

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

E
DMR

Well Permit Number 29 – 37961

Atlas Sheet Coordinates 29 33 : 376

OWNER VERGA, JOHN

Address 2160 OLD MILL RD.

City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 2160 OLD MILL RD. Owner's Well No.

County MONMOUTH Municipality WALL TWP. Lot No. 3 Block No. 278.02

WELL USE IRRIGATION

DATE WELL STARTED 12 / 17 / 97

DATE WELL COMPLETED 12 / 17 / 97

WELL CONSTRUCTION

Total Depth Drilled 110 ft.

Finished Well Depth 105.5 ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1	95.5	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	95.5	105.5	4"	PVC	SCH 40 .015
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	95.5	105.5		#1 GRAVEL	
Grout	0	95.5		Neat Cement (Bentonite)	____ lbs 350 lbs

RECORD OF TEST

Test Date 12 / 18 / 97

Static Water Level 20 ft. below land surface

Water Level Measured Using HOSE

Pumping Water Level 35 ft. below land surface

Well Was Pumped Using AIR LIFT

Well Yield 60 gpm

If Pump Tested: Discharge Rate ____ gpm

Duration of Test ____ hours

Grouting Method PRESSURE THROUGH TREMIE

Drilling Method ROTARY

PERMANENT PUMPING EQUIPMENT

Installed by CRAIG MARSH Reg. No. J1439

Pump Type 1HP SUBMERSIBLE

Depth of Pump below land surface 65 ft.

Capacity 20 gpm Horsepower 1HP

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20 MED TO COARSE SAND, SOME GRAVEL

20-35 MED TO COARSE SAND, GRAVEL & CLAY

35-65 FINE SAND [redacted] GREY CLAY

65-80 FINE TO MED GREY SAND

80-110 MED GREY SAND WITH SOME WOOD.

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH

Well Driller (Print) CRAIG MARSH

Driller's Signature

Registration No. J1439 Date 12 / 20 / 97

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

38
0.3 miles NE

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number
29 — 38478

Atlas Sheet Coordinates
29 : 33 : 384

OWNER TIMKO, TOM

Address 1220 CANDLEWOOD LA

City SEA GIRT State NJ Zip Code 08750

WELL LOCATION ADDRESS 1220 CANDLEWOOD LA **Owner's Well No.**

County MONMOUTH Municipality WALL TWP. Lot No. 29 Block No. 278

WELL USE IRRIGATION

DATE WELL STARTED 5/29/98
DATE WELL COMPLETED 5/29/98

WELL CONSTRUCTION

Total Depth Drilled 110 ft.

Finished Well Depth 98 ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	88	4	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	88	98	4	PVC	SCH 40 .015
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	88	98		#1 SAND	
Grout	0	88		~~Neat Cement~~ Bentonite	~~lbs~~ 450 lbs

RECORD OF TEST

Test Date 5/29/98
Static Water Level 18 ft. below land surface
Water Level Measured Using HOSE
Pumping Water Level 28 ft. below land surface
Well Was Pumped Using AIRLIFT
Well Yield 70 gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method PRESSURE THRU TREMIE
Drilling Method MUD ROTARY.

PERMANENT PUMPING EQUIPMENT

Installed by C. MARSH Reg. No. J1439
Pump Type SUBMERSIBLE
Depth of Pump below land surface 55 ft.
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) CRAIG MARSH
Driller's Signature
Registration No. J1439 Date 6/23/98

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-35 FINE TO COARSE SAND & GRAVEL.
35-80 FINE SAND W/ CLAY MIX
95-110 MED GREY SAND.

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept

DWR-138
5/95

(39) SW 0.43 miles

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number 29 - 38810

Atlas Sheet Coordinates 29 33 : 612

OWNER REVERENDO, LEE

Address 1014 ATLANTIC AVE.

City WALL State NJ Zip Code

WELL LOCATION ADDRESS 1014 ATLANTIC AVE. Owner's Well No. 300

County MONMOUTH Municipality WALL TWP. Lot No. 5 Block No.

WELL USE IRRIGATION

DATE WELL STARTED 6/25/98

DATE WELL COMPLETED 6/25/98

WELL CONSTRUCTION

Total Depth Drilled 25' ft.

Finished Well Depth 23' ft.

Borehole Diameter: 8"
Top 8" in.
Bottom 8 in.

Well Casing Begins:
~~ft. above grade~~ or
1' ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1'	63'	4"	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	63'	23'	4"	PVC	sch40
Blank Casings (No. Used)					
Tail Piece	-				
Gravel Pack	63'	23'	8"	#1 Sand	4 bags
Grout	1'	63'		~~Neat Cement~~ Bentonite	~~lbs~~ 150 lbs

RECORD OF TEST

Test Date 6/25/98

Static Water Level 22 ft. below land surface

Water Level Measured Using Sounder

Pumping Water Level 23 ft. below land surface

Well Was Pumped Using Air

Well Yield 50+ gpm

If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method Pressure

Drilling Method Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Robert Azurak Reg. No. 1142J

Pump Type Submersible

Depth of Pump below land surface 50' ft.

Capacity 20 gpm Horsepower 1'

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0 - 17' Sand & Gravel
17' 57' Silt & Sand
57' 75' Sand
75 - Clay

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ROBERT AZURAK

Well Driller (Print) Robert Azurak

Driller's Signature Robert Azurak

Registration No. 1142J Date 2/1/98

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

40 1,936 0.3 mile west

DWR-138
5/95

New Jersey Department of Environmental Protection
Bureau of Water Allocation

E ML

WELL RECORD

Well Permit Number 29 - 394088

Atlas Sheet Coordinates 29 : 33 : 298

OWNER DUFFY, DAN

Address 2169 GLADFIELD DR

City WALL State NJ Zip Code

WELL LOCATION ADDRESS 2169 GLADFIELD DR Owner's Well No.

County MONMOUTH Municipality WALL TWP. Lot No. 10 Block No. 808

WELL USE IRRIGATION

DATE WELL STARTED 9 / 20 / 98

DATE WELL COMPLETED 9 / 20 / 98

WELL CONSTRUCTION

Total Depth Drilled 70 ft.

Finished Well Depth 66 ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
+2 ft. above grade or
-1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1'	56'	4"	PVC	sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .015)	56'	66'	4"	PVC	sch 40 .015 SLOT
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	54'	66	8"	#1 sand	500 lbs
Grout	1'	54'	8"	Neat Cement	720 lbs
				Bentonite	lbs

RECORD OF TEST

Test Date 9 / 25 / 98

Static Water Level 18' ft. below land surface

Water Level Measured Using Garden hose

Pumping Water Level 41' ft. below land surface

Well Was Pumped Using 1 hp. sub pump

Well Yield 48 gpm

If Pump Tested: Discharge Rate 20 gpm gpm

Duration of Test 1 hours

Grouting Method Tremie

Drilling Method Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Cummins Irrigation Reg. No. 1467

Pump Type Centrifugal

Depth of Pump below land surface 50' ft.

Capacity 20 gpm Horsepower 1 hp

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-10	Med r coarse gravel
10-20	" " "
20-30	" " "
30-40	Med sand polished
40-50	" " "
50-60	" " "
60-70	" " "

Concrete

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State laws and regulations.

Drilling Company Destefano Well Drilling

Driller (Print) Anthony Destefano

Driller's Signature Anthony Destefano

Registration No. 1467 Date 9 / 25 / 98

(41) 0.2 NE

DWR-138
5/95

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ML

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number
~~29~~ - ~~40112~~

Atlas Sheet Coordinates
~~29~~ : ~~33~~ : ~~384~~

OWNER PALLUZZI, ED

Address 1215 CANDLEWOOD LA

City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1215 CANDLEWOOD LA. Owner's Well No.

County MONMOUTH Municipality SEA GIRT BORO Lot No. 4 Block No. 278.01

WELL USE IRRIGATION

DATE WELL STARTED 3 / 29 / 99
DATE WELL COMPLETED 3 / 29 / 99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.

Finished Well Depth 98½ ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
_____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	88½	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	88½	98½	4"	PVC	SCH 40 .015 SLOT
Blank Casings (No. Used)					
Tail Piece			~~4"~~	~~PVC~~	~~SCH 40~~
Gravel Pack	87½	98½		#1 SAND	
Grout	~~0~~ ~~87½~~	87½		Neat Cement / Bentonite	____ lbs / 450 lbs

RECORD OF TEST

Test Date 5 / 14 / 99

Static Water Level 21 ft. below land surface

Water Level Measured Using Hose

Pumping Water Level 28 ft. below land surface

Well Was Pumped Using Air lift

Well Yield 60 gpm

If Pump Tested: Discharge Rate _____ gpm
Duration of Test _____ hours

Grouting Method Pressure through tremie

Drilling Method MUD Rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. MARSH Reg. No. J1439

Pump Type SUBMERSIBLE

Depth of Pump below land surface 50 ft.

Capacity ~~20~~ 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH

Well Driller (Print) CRAIG MARSH

Driller's Signature [signature]

Registration No. J1439 Date 8 / 25 / 99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' med to coarse sand
20'-35' coarse to med sand
35'-50' med sand to 47'
fine sand & grey clay
50'-65' fine sand grey some clay
65-80' FINE SAND GREY, WOOD-77
MED SAND
80-110 MED SAND w/ WOOD,

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept

DWR-138
5/95

E
ML

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number
29 _ 40268

Atlas Sheet Coordinates
29 : 33 : 376

OWNER DOLINER, PAUL
Address 2164 OLD MILL RD
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 2164 OLD MILL RD **Owner's Well No.**
County ~~MONMOUTH~~ Municipality ~~SEA GIRT BORO~~ Lot No. ~~4~~ Block No. ~~278.02~~

WELL USE IRRIGATION

DATE WELL STARTED 6 / 25 / 99
DATE WELL COMPLETED 6 / 28 / 99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 103 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1'	93'	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	93'	103'	4"	PVC	.015 slot SCH 40
Blank Casings (No. Used)					
Tail Piece			~~4"~~	~~PVC~~	~~SCH 40~~
Gravel Pack	92	103		#1 sand	
Grout	0	92		Neat Cement Bentonite	450 lbs lbs

RECORD OF TEST

Test Date 6 / 28 / 99
Static Water Level 18 ft. below land surface
Water Level Measured Using hose
Pumping Water Level 25 ft. below land surface
Well Was Pumped Using air lift
Well Yield 60 gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method Pressure through tremie
Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439
Pump Type Submersible
Depth of Pump below land surface 50 ft.
Capacity ~~50~~ 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) Craig Marsh
Driller's Signature
Registration No. J1439 Date 8 / 24 / 99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' - med sand - clay lenses
20'-35' - med to coarse sand - gravel
35'-50' - med to coarse sand (45' fine grey sand, some clay
50'-65' - fine grey sand, clay + wood.
65'-80' - fine grey sand, clay + wood (77') hole to med. sand-grey.
80'-95' - med grey sand + wood.
95'-110' - med grey sand + some wood.

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

E
ML

0.3 mile NE

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number 29 - 40451

Atlas Sheet Coordinates 29 : 33 : 384

OWNER WILLIAMS, DONNA
Address 1210 CANDLEWOOD LA.
City SEA GIRT State NJ Zip Code

1210 CANDLEWOOD LA.
WELL LOCATION ADDRESS Owner's Well No.
County MONMOUTH Municipality SEA GIRT BORO Lot No. 34 Block No. 278

WELL USE IRRIGATION

DATE WELL STARTED 6/24/99
DATE WELL COMPLETED 6/24/99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 102 1/2 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	92 1/2	4"	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	92 1/2	102 1/2	4"	PVC	SCH 40 .015 slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	91 1/2	102 1/2		#1 sand	
Grout	0	91 1/2		Neat Cement / Bentonite	lbs 450 lbs

RECORD OF TEST

Test Date 6/24/99
Static Water Level 18 ft. below land surface
Water Level Measured Using hose
Pumping Water Level 28 ft. below land surface
Well Was Pumped Using air lift
Well Yield 50± gpm
If Pump Tested: Discharge Rate gpm
Duration of Test hours

Grouting Method Pressure through tremie
Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439
Pump Type Submersible
Depth of Pump below land surface 50 ft.
Capacity 20± gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) Craig Marsh
Driller's Signature
Registration No. J1439 Date 9/2/99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' - fine to med sand some clay lenses
20-35' - med to coarse sand
35-50' - med sand - 44' fine grey sand & clay
50'-65' - fine grey sand clay mixed
65'-80' - fine grey sand/clay mixed 79'-80' med sand
80'-95' - med grey sand
95'-110' - med grey sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

E
ML

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number 29 — 40556

Atlas Sheet Coordinates 29 : 33 : 379

0.2 mi E of Mill

OWNER BISERTA, STEVEN
Address 2166 OLD MILL RD.
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 2166 OLD MILL RD. **Owner's Well No.**
County ~~MONMOUTH~~ Municipality ~~SEA GIRT BORO~~ Lot No. ~~20~~ Block No. ~~278.02~~

WELL USE IRRIGATION

DATE WELL STARTED 6 / 28 / 99
DATE WELL COMPLETED 6 / 28 / 99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 103 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	93	4"	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or (Screen) (No. Used 1)	93	103	4"	PVC	SCH40 .015slot
Blank Casings (No. Used)					
Tail Piece			~~4"~~	~~PVC~~	~~SCH40~~
Gravel Pack	92	103		#1 sand	
Grout	0	92		(Neat Cement) Bentonite	450 lbs lbs

RECORD OF TEST

Test Date 6 / 29 / 99
Static Water Level 18 ft. below land surface
Water Level Measured Using hose
Pumping Water Level 25 ft. below land surface
Well Was Pumped Using air lift
Well Yield 60 gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method Pressure through tremie
Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439
Pump Type Submersible
Depth of Pump below land surface 50 ft.
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) Craig Marsh
Driller's Signature
Registration No. J1439 Date 8 / 24 / 99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' - fine to coarse sand - clay lenses + gravel
20'-35' - fine to med sand, gravel
35'-50' - med sand 46' fine grey sand, wood + clay.
50'-65' - fine grey sand, wood some clay.
65'-80' - fine grey sand, wood 77' fine to med. sand.
80'-95' - fine to med sand, wood.
95'-110' - med sand, wood.

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept

DWR-138
5/95

E
ML

New Jersey Department of Environmental Protection
Bureau of Water Allocation

(55)
0.41 mi to
NE

WELL RECORD

Well Permit Number
29 41205

Atlas Sheet Coordinates
29 :33 :384

OWNER HORAN, GARY
Address 1206 HEMLOCK AVE
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1206 HEMLOCK AVE **Owner's Well No.**
County MONMOUTH Municipality SEA GIRT BORO Lot No. 6 Block No. 27
WELL USE IRRIGATION

DATE WELL STARTED 8/19/99
DATE WELL COMPLETED 8/19/99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 105 ft.
Borehole Diameter:
Top 8 in.
Bottom 8 in.
Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	95	4"	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or (Screen) (No. Used 1)	95	105	4"	PVC	SCH40 .015slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	94	105		#1 sand	
Grout	0	94		Neat Cement / (Bentonite)	lbs / 450 lbs

RECORD OF TEST

Test Date 8/19/99
Static Water Level 21½ ft. below land surface
Water Level Measured Using hose
Pumping Water Level 31½ ft. below land surface
Well Was Pumped Using air lift
Well Yield 70± gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method Pressure through tremie
Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439
Pump Type submersible
Depth of Pump below land surface 60 ft.
Capacity 20± gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) Craig Marsh
Driller's Signature
Registration No. J1439 Date 12/14/99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' - med to coarse sand clay lenses & gravel
20-35' - med to coarse sand clay lenses & gravel
35-50' - med sand to 42'
42'-50' - fine grey sand w/ clay
50'-65' - fine grey sand w/ clay lenses & wood
65'-80' - fine sand w/ wood & clay
78'-80' fine to med sand
80'-95' - med sand w/ wood
95'-110' - med sand w/ wood

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept

DWR-138
5/95

E
ML

(56) 0.5 miles North.

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number
29 41206

Atlas Sheet Coordinates
29 .33 .384

OWNER THOMPKINS, JIM
Address 1217 CANDLEWOOD LA
City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1217 CANDLEWOOD LA **Owner's Well No.**
County MONMOUTH Municipality SEA GIRT BORO Lot No. 3 Block No. 278.01
WELL USE IRRIGATION

DATE WELL STARTED 8 / 20 / 99
DATE WELL COMPLETED 8 / 20 / 99

WELL CONSTRUCTION

Total Depth Drilled 110 ft.
Finished Well Depth 97 ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
____ ft. above grade or
1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	87	4"	PVC	SCH 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 1)	87	97	4"	PVC	SCH 40 .015 slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	84	97		#1 sand	
Grout	0	84		Neat Cement / Bentonite	lbs 450 lbs

RECORD OF TEST

Test Date 8 / 20 / 99
Static Water Level 32 ft. below land surface
Water Level Measured Using hose
Pumping Water Level 32 ft. below land surface
Well Was Pumped Using air lift
Well Yield 60± gpm
If Pump Tested: Discharge Rate ____ gpm
Duration of Test ____ hours

Grouting Method Pressure through tremie
Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439
Pump Type Submersible
Depth of Pump below land surface 60 ft.
Capacity 20± gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH
Well Driller (Print) Craig Marsh
Driller's Signature Craig Marsh
Registration No. J1439 Date 12 / 14 / 99

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' - fine to med sand gravel / clay lenses
20'-35' - med sand w/ clay lenses
35'-50' - med sand 43' fine grey sand w/ clay/wood
50'-65' - fine grey sand - clay & wood
65'-80' - fine grey sand 77' fine to med sand 77'-80'

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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E
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New Jersey Department of Environmental Protection
Bureau of Water Allocation

(60) 0.5 miles NE

WELL RECORD

Well Permit Number 29 — 42381

Atlas Sheet Coordinates 29 : 33 : 384

OWNER PANISCOTTI, MARIO

Address 1221 W. CHICAGO BLVD.

City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1221 W. CHICAGO BLVD. **Owner's Well No.**

County MONMOUTH Municipality SEA GIRT BORO Lot No. 25 Block No. 278

WELL USE IRRIGATION

DATE WELL STARTED 10 / 28 / 00

DATE WELL COMPLETED 10 / 29 / 00

WELL CONSTRUCTION

Total Depth Drilled 110 ft.

Finished Well Depth 101 ft.

Borehole Diameter:
Top 8 in.
Bottom 8 in.

Well Casing Begins:
____ ft. above grade or
-1 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	-1	91	4"	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)	-1	38	10"	PVC	Sch 40
Open Hole or Screen (No. Used 1)	91	101	4"	PVC	Sch 40 .015 slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	90	101		#1 Sand	
Grout	0	90		Neat Cement / Bentonite	____ lbs / 1050 lbs

RECORD OF TEST

Test Date 10 / 30 / 00

Static Water Level 18 ft. below land surface

Water Level Measured Using hose

Pumping Water Level 25 ft. below land surface

Well Was Pumped Using air lift

Well Yield 50± gpm

If Pump Tested: Discharge Rate ____ gpm

Duration of Test ____ hours

Grouting Method pressure thru tremie

Drilling Method mud rotary

PERMANENT PUMPING EQUIPMENT

Installed by C. Marsh Reg. No. J1439

Pump Type Submersible

Depth of Pump below land surface 50 ft.

Capacity 20± gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company MARSH CONSTRUCTION/CRAIG MARSH

Well Driller (Print) Craig Marsh

Driller's Signature [signature]

Registration No. J1439 Date 11 / 17 / 00

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' fine to medium sand w/ gravel

20-35' medium sand w/ gravel

35-40' sand w/ clay lenses

40'-48' fine gray sand w/ clay

50'-65' fine gray sand w/ clay and wood

65'-80' fine gray sand w/ clay and wood

80-95' fine to medium sand w/ wood

95'-110' medium sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M
11/98

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ML

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 43503

(64) 0.02 mi. 105 North.

Atlas Sheet Coordinates 29 : 33 3/7

OWNER IDENTIFICATION - Owner SUMMIT BANK
Address 301 CARNEGIE CENTER, BOX 2066
City PRINCETON State NJ Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-3
County MONMOUTH Municipality SEA GIRT BORO Lot No. 2 Block No. 706
Address 1322 SEA GIRT AVE.

DATE WELL STARTED 8 /11 /00
DATE WELL COMPLETED 8 /11 /00

TYPE OF WELL (as per Well Permit Categories) MONITORING
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION

Total depth drilled 30 ft.
Well finished to 30 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Was steel protective casing installed? ☐ Yes ☒ No

Static water level after drilling 20 ft.

Water level was measured using indicator

Well was developed for .5 hours at 2 gpm

Method of development centrifugal

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	.5	15	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	15	30	4	PVC	sch40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	12	30	11	#1sand	700lb
Grout	2	12	11	Neat Cement Bentonite	____ lbs. 60 lbs.

Grouting Method Tremie
Drilling Method H.S.A

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity ____ gpm

Pump type:

Drilling Fluid Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE

Well Driller (Print) William Lovenberg

Driller's Signature

Registration No. JD16610 Date 8/14/00

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-9" Asphalt
9"-5' Silty Brown Sand
5'-20' Brown Sand and Gravel
20'-30' White Med Sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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11/98

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 43504

Atlas Sheet Coordinates 29 : 33 377

OWNER IDENTIFICATION - Owner SUMMIT BANK
Address 301 CARNEGIE CENTER, BOX 2066
City PRINCETON State NJ Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-2
County MONMOUTH Municipality SEA GIRT BORO Lot No. 2 Block No. 706
Address 1322 SEA GIRT AVE.

DATE WELL STARTED 8 / 11 / 00
DATE WELL COMPLETED 8 / 11 / 00

TYPE OF WELL (as per Well Permit Categories) MONITORING
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION

Total depth drilled 30 ft.
Well finished to 30 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Was steel protective casing installed? ☐ Yes ☒ No

Static water level after drilling 20 ft.

Water level was measured using indicator

Well was developed for .5 hours at 2 gpm

Method of development Centrifugal

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	.5	15	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	15	30	4	PVC	sch40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	12	30	11	#1sand	700lb
Grout	2	12	11	Neat Cement Bentonite	____ lbs. 60 lbs.

Grouting Method Tremie
Drilling Method H.S.A

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity ____ gpm

Pump type: ____

Drilling Fluid ____ Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☐ No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE

Well Driller (Print) William Lovenberg

Driller's Signature

Registration No. WD 1610 Date 8 / 14 / 00

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-9" Asphalt
9"-5' Silty Brown Sand
5'-20' Brown Sand and Gravel
20'-30' White Med Sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

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New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

(66) 0.02 miles North

Well Permit No. 29 - 43505

Atlas Sheet Coordinates 29 : 33 :377

)WNER IDENTIFICATION - Owner SUMMIT BANK
ddress 301 CARNEGIE CENTER, BOX 2066
City PRINCETON State NJ Zip Code

VELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-1
County MONMOUTH Municipality SEA GIRT BORO Lot No. 2 Block No. 706
Address 1322 SEA GIRT AVE.

DATE WELL STARTED 8 /11 / 00
DATE WELL COMPLETED 8 /11 / 00

TYPE OF WELL (as per Well Permit Categories) MONITORING
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION

otal depth drilled 30 ft.
Well finished to 30 ft.

orehole diameter:
Top 11 in.
Bottom 11 in.

ell was finished: ☐ above grade
☒ flush mounted

If finished above grade, casing height (stick p) above land surface ____ ft.

as steel protective casing installed?
☐ Yes ☒ No

atic water level after drilling 20 ft.

ater level was measured using indicator

Well was developed for .5 hours
2 gpm

Method of development centrifugal

as permanent pumping equipment installed? ☐ Yes ☒ No

ump capacity ____ gpm

Pump type:

rilling Fluid Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☐ No

evel of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	.5	15	4	PVC	sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	15	30	4	PVC	sch40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	12	30	11	#1 sand	700 lb
Grout	2	12	11	Neat Cement Bentonite	____ lbs. 60 lbs.

Grouting Method Tremie
Drilling Method H.S.A

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-9" Asphalt
9"-5' Silty Brown Sand
5'-20' Brown Sand and Gravel
20'-30' White Med Sand

SE

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL
Well Driller (Print) William Lovenberg
Driller's Signature
Registration No. WD1610 Date 8/14/00

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

11/17/00

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ENTERED CK

(67) OM miles NE

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number 29 - 44099

Atlas Sheet Coordinates 29 : 33 : 387

OWNER VAN ANDA, PAUL

Address 1215 HEMLOCK AVE.

City SEA GIRT State NJ Zip Code

WELL LOCATION ADDRESS 1215 HEMLOCK AVE. **Owner's Well No.**

County MONMOUTH Municipality WALL TWP. Lot No. 5 Block No. 278.02

WELL USE IRRIGATION

DATE WELL STARTED 2/27/01

DATE WELL COMPLETED 2/27/01

WELL CONSTRUCTION

Total Depth Drilled 106 ft.

Finished Well Depth 106 ft.

Borehole Diameter:
Top 8.5 in.
Bottom 8.5 in.

Well Casing Begins:
____ ft. above grade or
1.0 ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1.0	91	4	PVC	Sched 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	91	101	4	PVC	Sched 40
Blank Casings (No. Used)					
Tail Piece	101	106	4	PVC	Sched 40
Gravel Pack	83	106	8.5	Blended	.025
Grout	1.0	83	8.5	Neat Cement / Bentonite	____ lbs / 350 lbs

RECORD OF TEST

Test Date 2/27/01

Static Water Level 13 ft. below land surface

Water Level Measured Using MEASURED TAPE

Pumping Water Level 88 ft. below land surface

Well Was Pumped Using AIR LIFT

Well Yield 75 gpm

If Pump Tested: Discharge Rate ____ gpm

Duration of Test ____ hours

Grouting Method PRESSURE THROUGH TREMIE PIPE

Drilling Method MUD ROTARY

PERMANENT PUMPING EQUIPMENT

Installed by STEVE FOSTER Reg. No. M1347

Pump Type SUBMERSIBLE

Depth of Pump below land surface 60 ft.

Capacity 15 gpm Horsepower 3/4

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-45 BROWN SAND, MEDIUM, CLAYEY

45-80 SILTY BROWN CLAY

80-106 FINE & MEDIUM GRAY SAND

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company PICKWICK WELL DRILLING

Well Driller (Print) BEN PRUNOST

Driller's Signature

Registration No. M1374 Date 4/30/01

COPIES: White - DEP

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New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 44224

Atlas Sheet Coordinates 29 : 33 372

OWNER IDENTIFICATION - Owner WAWA, INC.
Address 260 WEST BALTIMORE PIKE
City WAWA State PA Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-1
County MONMOUTH Municipality WALL TWP. Lot No. 1 & 10 Block No. 723
Address 2110 ROUTE 35

DATE WELL STARTED 1/15/01
TYPE OF WELL (as per Well Permit Categories) MONITORING DATE WELL COMPLETED 1/15/01
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION
Total depth drilled 27 ft.
Well finished to 27 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☒ above grade ☐ flush mounted

If finished above grade, casing height (stick up) above land surface 3 ft.

Was steel protective casing installed? ☒ Yes ☐ No

Static water level after drilling 15 ft.

Water level was measured using Solinst

Well was developed for 5 hours at 1 gpm

Method of development Air

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity gpm

Pump type:

Drilling Fluid Type of Rig AMS

Health and Safety Plan submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	7	4	PVC	Sch40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	7	27	4	PVC	sch40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	5	27	4	#1 Sand	1100 lbs
Grout	0	5	4	Neat Cement / Bentonite	lbs. / 100 lbs.

Grouting Method Tremie
Drilling Method Auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-4' tan med Sand w/Some gravel

4-18' Brown med Sand w/Some Silt

18-27' tan Silty Sand w/little Clay

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE
Well Driller (Print) William Lavenberg
Driller's Signature
Registration No. 50 1610 Date 2/14/01

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M
11/98

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ML

(69) 02 miles North

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 44225

Atlas Sheet Coordinates 29 : 33 372

OWNER IDENTIFICATION - Owner WAWA, INC.
Address 260 WEST BALTIMORE PIKE
City WAWA State PA Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-2
County MONMOUTH Municipality WALL TWP. Lot No. 1 & 10 Block No. 723
Address 2110 ROUTE 35

DATE WELL STARTED 1/15/01
TYPE OF WELL (as per Well Permit Categories) MONITORING DATE WELL COMPLETED 1/15/01
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION
Total depth drilled 27 ft.
Well finished to 27 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: [X] above grade [ ] flush mounted

If finished above grade, casing height (stick up) above land surface 3 ft.

Was steel protective casing installed? [X] Yes [ ] No

Static water level after drilling 15 ft.
Water level was measured using Solinst

Well was developed for .5 hours at 1 gpm
Method of development AIR

Was permanent pumping equipment installed? [ ] Yes [X] No
Pump capacity gpm
Pump type:
Drilling Fluid Type of Rig AMS

Health and Safety Plan submitted? [ ] Yes [X] No
Level of Protection used on site (circle one) None D C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	7	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	7	27	4	PVC	Sch 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	5	27	4	#1 Sand	1100 lbs.
Grout	0	5	4	Neat Cement Bentonite	100 lbs.

Grouting Method tremie
Drilling Method Auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-4' tan med Sand w/ some gravel

4-18' Brown med Sand w/ some silt

18-27' tan Silty Sand w/ little Clay

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE
Well Driller (Print) William Lovenberg
Driller's Signature
Registration No. 5D 1610 Date 2/14/01

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M
11/98

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New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

(10) 0.2 miles north.

Well Permit No. 29 - 44226

Atlas Sheet Coordinates 29 : 33 : 372

OWNER IDENTIFICATION - Owner WAWA, INC.
Address 260 WEST BALTIMORE PIKE
City WAWA State PA Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-3
County MONMOUTH Municipality WALL TWP. Lot No. 1 & 10 Block No. 723
Address 2110 ROUTE 35

DATE WELL STARTED 1/15/01
TYPE OF WELL (as per Well Permit Categories) MONITORING DATE WELL COMPLETED 1/15/01
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION
Total depth drilled 27 ft.
Well finished to 27 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: [X] above grade [ ] flush mounted

If finished above grade, casing height (stick up) above land surface 3 ft.

Was steel protective casing installed? [X] Yes [ ] No

Static water level after drilling 15 ft.

Water level was measured using Solinst

Well was developed for 5 hours at 1 gpm

Method of development Air

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	7	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used -010)	7	27	4	PVC	Sch 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	5	27	4	#1 Sand	1100 lbs.
Grout	0	5	4	Neat Cement / Bentonite	100 lbs.

Grouting Method tremie
Drilling Method Auger

Was permanent pumping equipment installed? [ ] Yes [X] No

Pump capacity gpm

Pump type:

Drilling Fluid Type of Rig A.M.S

Health and Safety Plan submitted? [ ] Yes [X] No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE

Well Driller (Print) William Lovenberg

Driller's Signature

Registration No. 501610 Date 2/14/01

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-4' tan med Sand w/some gravel

4-18' Brown med Sand w/Some Silt

18-27' tan Silty Sand w/little Gravel

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M
11/98

E
ML

(71)
0.2 miles
N

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 44375

Atlas Sheet Coordinates 29 : 33 : 372

OWNER IDENTIFICATION - Owner WAWA INC.

Address 260 WEST BALTIMORE PIKE

City WAWA State PA Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-5

County MONMOUTH Municipality WALL TWP. Lot No. 1 & 10 Block No. 723

Address 2110 ROUTE 35

DATE WELL STARTED 2/12/01

DATE WELL COMPLETED 2/12/01

TYPE OF WELL (as per Well Permit Categories) MONITORING

Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION

Total depth drilled 27 ft.

Well finished to 27 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☒ above grade ☐ flush mounted

If finished above grade, casing height (stick up) above land surface +3 ft.

Was steel protective casing installed? ☒ Yes ☐ No

Static water level after drilling 17 ft.

Water level was measured using Indicator

Well was developed for 5 hours

at 1.5 gpm

Method of development Whale Pump

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	12	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 2)	12	27	4	PVC	Sch 40 .010 slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	10	27	11	#1 Sand	800 LBS
Grout	0	10	11	Neat Cement Bentonite	150 lbs. ____ lbs.

Grouting Method Tremie Grout

Drilling Method H.S.A

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity ____ gpm

Pump type:

Drilling Fluid Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE

Well Driller (Print) Louis Davis

Driller's Signature

Registration No. ID 22656 Date 2/14/01

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' Coarse Brown Sand & Gravel

20-27' med Brown Silty Sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M
11/98

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(72)
0.2mi. left
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New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. _____ - 29 44376

Atlas Sheet Coordinates 29 : 33 : 372

WAWA INC.

OWNER IDENTIFICATION - Owner _____

Address 260 WEST BALTIMORE PIKE

City WAWA State PA Zip Code _____

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-4

County MONMOUTH Municipality WALL TWP. Lot No. 1 & 10 Block No. 723

Address 2110 ROUTE 35

DATE WELL STARTED 2 / 12 / 01

TYPE OF WELL (as per Well Permit Categories) MONITORING DATE WELL COMPLETED 2 / 12 / 01

Regulatory Program Requiring Well _____ Case I.D.# _____

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) _____ Tele. # _____

WELL CONSTRUCTION

Total depth drilled 27 ft.

Well finished to 27 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☒ above grade ☐ flush mounted

If finished above grade, casing height (stick up) above land surface +3 ft.

Was steel protective casing installed? ☒ Yes ☐ No

Static water level after drilling 17 ft.

Water level was measured using Indicator

Well was developed for .5 hours at 1.5 gpm

Method of development Whale Pump

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	+3	12	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 2)	12	27	4	PVC	Sch 40 .010 slot
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	10	27	11	#1 Sand	800 LBS
Grout	0	10	11	Neat Cement Bentonite	150 lbs. ____ lbs.

Grouting Method Tremie Grout

Drilling Method H.S.A

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity _____ gpm

Pump type: _____

Drilling Fluid _____ Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE

Well Driller (Print) Louis J. Apis

Driller's Signature _____

Registration No. ID22656 Date 2 / 14 / 01

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-20' Coarse Brown Sand & Gravel

20-27' Med Brown Silty Sand

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138
5/95

E
ML

73'
0.4miles
E

New Jersey Department of Environmental Protection
Bureau of Water Allocation

WELL RECORD

Well Permit Number
~~29~~ - ~~44498~~

Atlas Sheet Coordinates
~~29~~ : ~~33~~ : ~~616~~

OWNER KURFEHS, FRED
Address 2204 LINCRIS LANE
City WALL State NJ Zip Code

WELL LOCATION ADDRESS 2204 LINCRIS LANE Owner's Well No.
County MONMOUTH Municipality WALL TWP. Lot No. 3 Block No. 713

WELL USE IRRIGATION

DATE WELL STARTED 3/12/01
DATE WELL COMPLETED 3/12/01

WELL CONSTRUCTION

Total Depth Drilled 50' ft.
Finished Well Depth 49' ft.
Borehole Diameter:
Top 8" in.
Bottom 8" in.
Well Casing Begins:
ft. above grade or
1' ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	1'	26'	4"	PVC	sch 4
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	26'	40'	4"	PVC	sch 40
Blank Casings (No. Used)					
Tail Piece	40'	49'	4"	PVC	sch 40
Gravel Pack	~~26~~	49'	8"	#1 Sand	800 LBS
Grout	1'	26'	8"	~~Neat Cement~~ Bentonite	lbs 50 lbs

RECORD OF TEST

Test Date 3/12/01
Static Water Level 12' ft. below land surface
Water Level Measured Using Dropline
Pumping Water Level 49' ft. below land surface
Well Was Pumped Using Air
Well Yield 100+ gpm
If Pump Tested: Discharge Rate gpm
Duration of Test hours

Grouting Method Pressure
Drilling Method Rotary

PERMANENT PUMPING EQUIPMENT

Installed by Robert Azurak Reg. No. 11425
Pump Type Submersible
Depth of Pump below land surface 42' ft.
Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company ROBERT AZURAK
Well Driller (Print) Robert Azurak
Driller's Signature
Registration No. 11425 Date 3/20/01

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-4' Sand
4-11' Sand & Clay
11-13' Sand
13-16' Clay
16-41' Sand
41-49' Silty Sand
49-50 Clay

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Appendix 2

Advanced Geological Services *Results of Geophysical Surveying Letter Report*

ADVANCED GEOLOGICAL SERVICES
3 Mystic Lane
Malvern, PA 19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

Reference: 01-122-1
November 28, 2001

Mr. John Montgomery
Groundwater & Environmental Services, Inc.
1340 Campus Parkway
P.O. Box 1750
Wall, New Jersey 07719

Subject: Results of Geophysical Surveying
Fleet Bank Site
Wall Township, New Jersey

Dear Mr. Montgomery:

Advanced Geological Services (AGC) is pleased to present this letter report that summarizes the results of a geophysical survey performed at the above referenced site. The objectives of the survey were to locate a former underground septic system and other anomalies that may be of environmental concern. To achieve these objectives, an integrated geophysical investigation was performed using high-sensitivity metal detector (EM61) and digital ground penetrating radar (GPR) techniques.

Integrating two or more geophysical techniques provides a complementary effect resulting in higher confidence levels and more complete subsurface information by reducing the inherent ambiguities in interpretation that may exist if only one method was used. The EM61 was used to provide complete site coverage to locate buried metal anomalies that would indicate the presence of USTs or reinforced concrete structures. The GPR survey was performed to provide a cross-sectional image of both metallic and non-metallic structures.

1.0 METHODOLOGY

1.1. HIGH-SENSITIVITY METAL DETECTOR (EM61) METHODOLOGY

Buried metal objects such as storage drums and tanks can be effectively located using a Geonics EM61 High-Sensitivity Metal Detector. The EM61 is a time domain electromagnetic (EM) system that can discriminate between conductive soils and metal objects. It has numerous advantages over other commonly used metal detection devices.

The EM61 generates rapid electromagnetic pulses and measures the response of the subsurface between pulses. Secondary EM fields are generated in the ground after each pulse. These fields dissipate rapidly in earth materials but remain for a longer time in buried metal objects. The EM61 measures the prolonged metal response only after the earth response has dissipated.

The EM61 uses portable time-domain transmitter and two receiver coils. The data received from second receiver coil can be used to reduce the unwanted effects from interference and near-surface objects that can mask deeper and more significant objects.

Very high-resolution data are automatically recorded as the sensors are pulled along the ground surface. Survey wheels attached to the sensors facilitate data collection by allowing direct

measurement of the distance traveled. The lateral position of each measurement is automatically recorded using a data logger. This method allows data to be recorded virtually as fast as the operator can walk. Consequently, detailed site coverage can be achieved in a cost-effective manner.

For this investigation, data were acquired at less than 2-ft intervals along lines spaced 5-ft apart to provide continuous site coverage over the survey area. The data were processed and interpreted in the field to identify anomalies that may indicate the presence of buried structures. These anomalies were further investigated using GPR.

1.2. DIGITAL GROUND PENETRATING RADAR (GPR) METHOD

The GPR survey was performed by recording continuous data along orthogonal transects established over suspected target locations. The GPR method uses focused high frequency electromagnetic pulses to produce a continuous, cross-sectional image of the subsurface. These pulses are transmitted into the subsurface using an antenna. When the pulses reach a layer or object possessing contrasting electrical properties, part of the energy is reflected back to the surface where it is detected by a receiving antenna. A continuous cross-sectional image is generated as the receiving and transmitting antennas are pulled along the ground surface. The received signal is sent to a controlling unit where it is processed and displayed in real time to allow in-field interpretations. The data are also digitally recorded for high-resolution computer processing.

A GSSI SIR-2000 Subsurface Interface Radar Systems and a 400 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide the required depth penetration (approximately 10 feet) and subsurface detail. The GPR data were acquired along orthogonal transects over the survey area. Detailed surveying was performed over anomalies identified by the EM61.

2.0 SUMMARY OF RESULTS

Figure 1 presents an EM61 anomaly map of the survey area. All anomalies shown on the map are caused by buried metal objects or cultural interference. Cultural interference caused by above ground metal structures was encountered around the perimeter of the existing bank building. Additional points of cultural interference were observed at discrete locations around the site. The anomalies -- caused by monitoring wells, metal posts, and a dumpster -- are identified on the figure.

Discrete buried metal objects were also observed at locations shown on the map. These objects were further investigated using GPR. However, these results indicated the objects are asymmetrical and appear to be buried scrap metal or construction debris. These objects do not appear to be drums, USTs or objects associated with a septic system.

A linear anomaly was identified near the northeast corner of the building. The anomaly characteristics suggest the presence of a previously unidentified utility. Further investigation of this anomaly was performed using GPR. A representative GPR profile of the object is shown in Figure 2. These data corroborate the EM61 data interpretation by indicating the presence of a laterally continuous hyperbolic anomaly, which is characteristic of buried utilities. This

interpreted utility extends from the building and ends at the northeast corner of the property. Detailed GPR coverage was performed in this area to help identify the subtle EM61 anomalies located near the end of the suspected pipe.

The GPR data acquired in the northeast corner of the property exhibited chaotic reflection events that suggest the presence of disturbed subsurface conditions. In addition, numerous diffractions and complex anomaly configurations were observed that suggest the presence of non-native structures or objects. Signal penetration through the suspected structure was observed, which indicates the structure is non-metallic, since GPR signals cannot penetrate metal. An example GPR profile over the suspected structure is shown in Figure 3. Although the profile shown in the figure appears well defined, the majority of the data show a more complex configuration that obfuscated three-dimensional characterization. Nevertheless, the approximate extent of the feature was delineated and spray painted in the field. This interpreted location is presented in Figure 1.

Although it is impossible to definitively identify the suspected structure based on solely on the geophysical data, its location with respect to the detected utility interpreted in conjunction with historical information indicate that this is a likely location for the suspected former septic system. However, direct evidence from test pits would be required to confirm this interpretation.

3.0 CLOSING

The data collection and interpretation methodologies used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the indirect nature of geophysical data, no guarantees can be made or are implied regarding the presence or absence of additional objects or targets beyond those identified.

Please contact us if you have any questions regarding this survey. We appreciate your business and look forward to working with you again.

Kind regards,

Advanced Geological Services

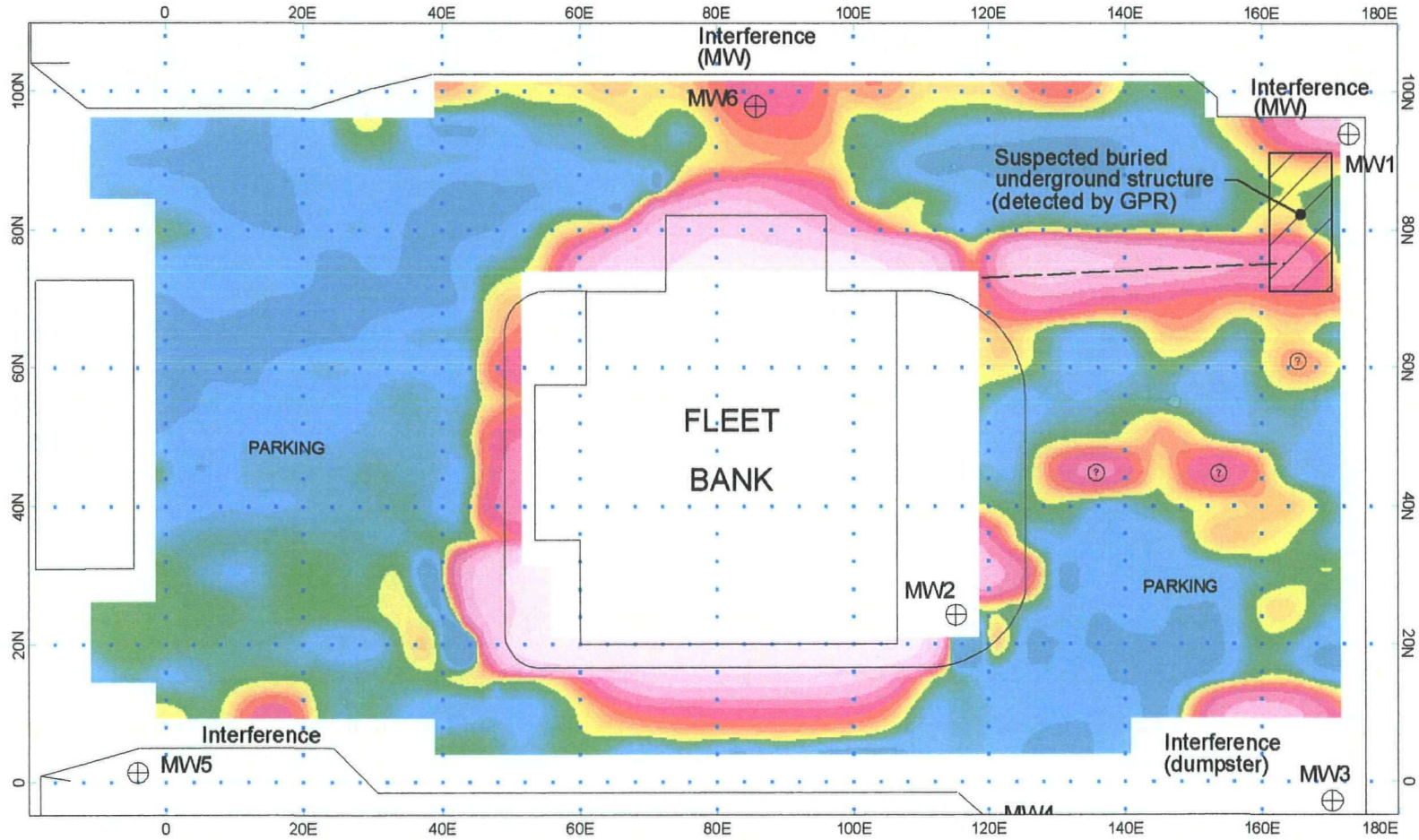
M. Scott McQuown, M.Sc., P.G.
Senior Geophysicist

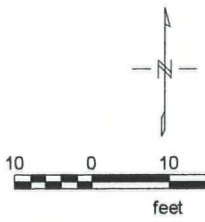
Figure 1

EM61 Anomaly Map

Fleet Bank Site

Wall Township, New Jersey





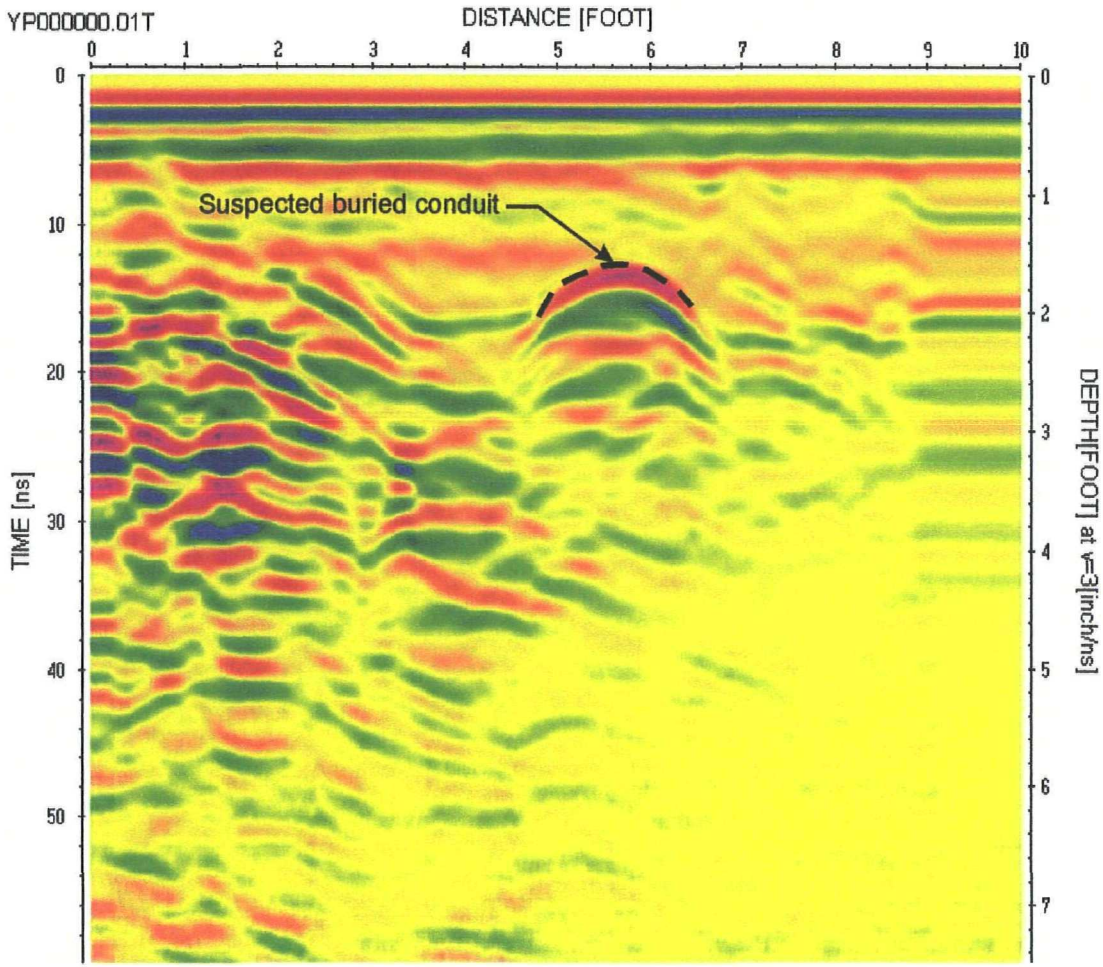
Response
(mS/m)

-0.7 2.7 4.9 7.1 9.3 11.5 14.0 16.6 20.2 25.7 35.6 54.0 119.1 1391.6

LEGEND

- Monitoring well
- Detected utility
- Unidentified buried metal object

Figure 2
Example GPR Profile of Suspected Conduit
Fleet Bank Site
Wall Township, New Jersey



ADVANCED GEOLOGICAL SERVICES

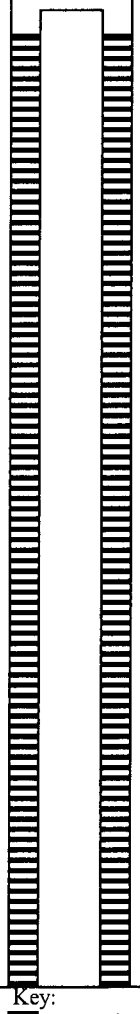
Appendix 3

Monitoring Well Logs

MONITORING WELL LOG

Project Name: Fleet Bank Branch	**Well Identification:** MW3D
Street Address: 1322 Sea Girt Ave., Wall Twp, NJ 07719	**Well Coordinate Number:** 29.33.377
Tax Map Address: Block 706, Lot 2	**Well Permit Number:** 29-45875
County: Monmouth	**Latitude:** North 40° 08' 9.4"; **Longitude:** West 74° 03' 44.9"
Owner: Fleet National Bank	**Casing Elevation:** 45.85 feet; **Surface Elevation:** 46.13 feet
Owner's Representative: Gary Skowronski, V.P.	**Well Depth:** 60.75 feet
Owner's Address: 3670 Route 9 South, Freehold, NJ 07728	**Screen Length:** 10 feet; **Casing Length:** 50.75 feet
GES Project Manager: John H. Montgomery, P.G.	**Drilling Method:** Hollow stem auger
GES Case Manager: John H. Montgomery, P.G.	**Well Diameter:** 4.0 inches
NJDEP Case Number: Not applicable	**Borehole Diameter:** 12.0 inches
NJPDES Permit Number: Not applicable	**Sampling Method:** Split-spoon
Driller: Shore Drilling, Inc.	**Static Water Depth:** feet
Driller's Address: 23 Branch Avenue, Oceanport, NJ 07757	**Logged By:** John H. Montgomery, P.G.
Driller's License Number: MD1540	**Completion Date:** November 16, 2001

Depth (feet)	Sample Number	Well Detail	PID (units)	Blow Counts Recovery (inches)	Depth (feet)	Lithology/Remarks (Modified Burmister Classification)
0			0	Hand augered to 5 feet	0-0.33:	Asphalt
					0.33-1.0:	Gravel/roadstone base
1					0.5-4:	Tan Silty fine to medium Sand, trace Clay, trace quartz Gravel (rnd) dry, no odor, no stain
2						
3						
4					4-15:	Same as above
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15					15-20:	Light tan/white medium Sand, some quartz Gravel (rnd), moist
16						
17						
18						
19						



Well Construction Materials and Completion Details: Schedule 40 PVC, 0.010-inch machine slotted threaded screen and threaded solid casing, Morie #1 sand, bentonite powder seal. Flush mounted, bolt down, 12-inch diameter manhole. Locking, water-tight gripper plug.

Note: Numbers in the column labeled "Blow Counts" refer to the number of blows required to drive a standard split-spoon sampler a distance of 6.0 inches using a 140-pound drop weight falling 30 inches. A standard split-spoon sampler is 2.0-inch outer diameter and 1.375-inch inner diameter.

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Depth (feet)	Sample Number	Well Detail	PID (units)	Blow Counts Recovery (inches)	Depth (feet)	Lithology/Remarks (Modified Burmister Classification)
			--			
20			26-96	11,12,15,16	20-22:	20.3-20.9 feet: Gray VF silty Sand. PID = 96; 20.9-21.2 feet: Gray VF Sand, some (+) silt. PID >60; 21.2-21.7 feet: Orange yellow VF Sand. Wet. PID = 26; 21.7-22 feet: Yellow-white coarse Sand, some (-) silt. PID = 59.
			--	22		
21			--			
			--			
22			--	11,12,13,13	22-24:	22.4-23 feet: Grayish-yellow very coarse Sand; 23-23.3 feet: Orange-yellow coarse Sand, some (+) silt; 23.3-24 feet: Yellow-orange medium to coarse Sand, trace (+) well rounded qtz pebbles, some iron mottling at 23.75 feet.
			219	23		
23			613			
			281			
24			--	6,7,12,13	24-26:	24.5-25 feet: Orange-yellow VF Sand, some (-) silt, trace (-) clay; 25-25.1 feet: Very coarse qtz pebbles, some (+) well rounded Sand; 25.1-25.6 feet: Orange-yellow to gray VF Sand, some (-) medium to coarse Sand, trace (+) silt.
			13.6	24		
25			118			
			87			
26			--	3,7,10,18	26-28:	26-27 feet: Pale gray to grayish-white very coarse, well rounded qtz Sand, some (-) m-f Sand, trace (+) silt; 27-27.5 feet: Orange-yellow to pale yellow f-m Sand, some (+) silt, trace (-) clay; 27.75-28 feet: Grayish-white very coarse Sand, some (+) VF to medium Sand, trace (+) silt.
			211	24		
27			133			
			151			
28			384	8,14,15,14	28-30:	28.5-29 feet: Orange-brown to light gray very coarse to coarse Sand, some (+) f-m Sand, trace (+) silt; 28.5-30 feet: Grayish-white very coarse Sand, some (+) VF Sand and some iron mottling at 29.5 feet. Fallback = 0.5 feet.
			171	24		
29			249			
			190			
30			--	2,2,5,5	30-32:	31-31.75 feet: Light grayish-white medium to coarse Sand, some (+) fine Sand, trace (-) silt; 31.75-32 feet: Orange-yellow to light brown VF Sand, some (+) clay, trace (+) silt.
			--	14		
31			168			
			272			
32			--	10,14,18,20	32-34:	32.6-33.5 feet: Orange-yellow to light gray to brown coarse to very coarse Sand, little well rounded qtz pebbles, some (+) fine Sand to silt. 22.5-24 feet: Orange-yellow to yellow-brown f-m Sand, some (+) silt, trace (+) coarse Sand.
			23	22		
33			52			
			20			
34			--	5,6,10,9	34-36:	34.5-35 feet: Brown medium to coarse Sand, some (-) clay, trace (+) fine Sand; 35-36 feet: Orange-brown to dark brown VF to fine Sand, some (+) silt, trace (+) clay.
			47.3	18		
35			21.8			
			34.8			
36			--	6,8,11,12	36-38:	36.5-38 feet: Brown to dark brown VF Sand to silt, some (+) clay, trace (-) well rounded coarse qtz Sand and iron mottling. Fallback = 0.5 feet
			11	24		
37			10			
			18			
38			--	3,5,8,11	38-40:	Orange to orange-brown to yellow VF to fine Sand, some (+) clay, trace (+) silt.
			2	24		
39			7			

Key:
- Bentonite-cement grout
- Bentonite powder seal
- Sand/Gravel pack

Well Construction Materials and Completion Details: Schedule 40 PVC, 0.010-inch machine slotted threaded screen and threaded solid casing, Morie #1 sand, bentonite powder seal. Flush mounted, bolt down, 12-inch diameter manhole. Locking, water-tight gripper plug.

Note: Numbers in the column labeled "Blow Counts" refer to the number of blows required to drive a standard split-spoon sampler a distance of 6.0 inches using a 140-pound drop weight falling 30 inches. A standard split-spoon sampler is 2.0-inch outer diameter and 1.375-inch inner diameter.

MONITORING WELL LOG

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Owner's Representative: Gary Skowronski, V.P.	**Well Depth:** 60.75 feet
Owner's Address: 3670 Route 9 South, Freehold, NJ 07728	**Screen Length:** 10 feet; **Casing Length:** 50.75 feet
GES Project Manager: John H. Montgomery, P.G.	**Drilling Method:** Hollow stem auger
GES Case Manager: John H. Montgomery, P.G.	**Well Diameter:** 4.0 inches
NJDEP Case Number: Not applicable	**Borehole Diameter:** 12.0 inches
NJPDES Permit Number: Not applicable	**Sampling Method:** Split-spoon
Driller: Shore Drilling, Inc.	**Static Water Depth:** feet
Driller's Address: 23 Branch Avenue, Oceanport, NJ 07757	**Logged By:** John H. Montgomery, P.G.
Driller's License Number: MD1540	**Completion Date:** November 16, 2001

Depth (feet)	Sample Number	Well Detail	PID (units)	Blow Counts Recovery (inches)	Depth (feet)	Lithology/Remarks (Modified Burmister Classification)
			3			
40			--	3,3,8,5	40-42:	40.5-42 feet: Varied colors (light gray to orange to orange-brown) VF Sand, some (+) silt, trace (+) clay and iron mottling. Fallback = 0.5 feet.
			1.2	24		
41			--			
			--			
42			--	6,4,9,13	42-44:	43-43.5 feet: Orange-brown to yellow brown VF Sand, some (-) silt, trace (+) clay; 43.5-44 feet: Orange-brown to yellow to yellowish-gray coarse to VF Sand, trace (+) semi-rounded qtz Sand, some (+) silt. Fall-back = 2 inches.
			--	14		
43			0.2			
			1.2			
44			--	5,8,27,26	44-46:	44-45 feet: Orange-brown to light grayish-brown fine to VF Sand, little m-f Sand; 44-45 feet: Orange-brown to light grayish-brown fine to VF Sand, some (+) medium qtz Sand, red clay stringer (0.25 feet thick) at 45 feet.
			1.4	20		
45			1.2			
			0.4			
46			--	8,8,12,13	46-48:	46.8 to 48 feet: Orange to light orange brown m-f Sand, some (-) silt, trace (-) clay. Fallback = 8 inches.
			0.2	22		
47			1			
			0.6			
48			--	6,14,22,49	48-50:	48.8-50 feet: Brown to light brownish-yellow m-f Sand, little silt, trace (+) clay, some iron mottling.
			--	16		
49			0.2			
			0			
50			--	13,17,33,24	50-52:	50.5-51.2 feet: Orange-brown very coarse to medium Sand, some (-) silt, trace (-) semi-rounded qtz pebbles; 51.2-52 feet: Orange to orange-brown m-f Sand, little silt. At 51.25 feet: 1 inch layer of reddish-brown medium Sand. Fallback = 3 inches.
			0	21		
51			0			
			0			
52			--	7,39,49,36	52-54:	52.5-53.7 feet: Orange-brown to reddish-orange-brown to light gray fine to VF Sand, some (-) silt, trace (+) clay and iron mottling; 53.7-54 feet: Dark reddish brown fine Sand.
			0.5	18		
53			0.2			
			0.1			
54			0	5,5,8,8	54-56:	54.8-56 feet: Orange-brown to dark brown fine to VF Sand, some (-) silt, trace (-) clay and iron mottling. Some thin layers of gray VF Sand. Fallback = 7 inches.
			0	22		
55			0			
			0			
56			0	5,5,3,3	56-58:	56.5-57.5 feet: Orange-brown to light brown fine to VF Sand, some (+) silt, trace (+) clay; 57.5-58 feet: Grayish-brown to gray clay, plastic, semi-dense, some (+) silt.
			0	24		
57			0			
			0			
58			--	2,1,1,1	58-60:	59.75-60 feet: Dark gray to black dense clay. Fallback = 6 inches.
			--	12		
59			--			



Well Construction Materials and Completion Details: Schedule 40 PVC, 0.010-inch machine slotted threaded screen and threaded solid casing, Morie #1 sand, bentonite powder seal. Flush mounted, bolt down, 12-inch diameter manhole. Locking, water-tight gripper plug.

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Driller's Address: 23 Branch Avenue, Oceanport, NJ 07757	**Logged By:** John H. Montgomery, P.G.
Driller's License Number: MD1540	**Completion Date:** November 16, 2001

Depth (feet)	Sample Number	Well Detail	PID (units)	Blow Counts Recovery (inches)	Depth (feet)	Lithology/Remarks (Modified Burmister Classification)
			--			
60			--	4,5,9,17	60-62:	Yellow to yellow-brown medium to fine Sand, little silt, trace (-) clay.
			0.6	24		
61			0.5			
			0.5			
62			--	16,21,22,29	62-64:	63.75-64 feet: Dark grayish-black clayey silt. Fallback = 20 inches.
			0.9	23		
63			0.2			
			0.5			
64			--	10,15,28,30	62-64:	64.5-66 feet: Dark grayish-black silty clay. Dense.
			--	18		
65			--			
			--			
66			--			End boring at 66 feet

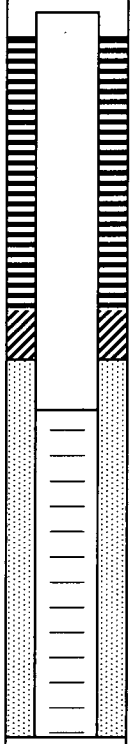
Key:
- Bentonite-cement grout
- Bentonite powder seal
- Sand/Gravel pack

Well Construction Materials and Completion Details: Schedule 40 PVC, 0.010-inch machine slotted threaded screen and threaded solid casing, Morie #1 sand, bentonite powder seal. Flush mounted, bolt down, 12-inch diameter manhole. Locking, water-tight gripper plug.

Note: Numbers in the column labeled "Blow Counts" refer to the number of blows required to drive a standard split-spoon sampler a distance of 6.0 inches using a 140-pound drop weight falling 30 inches. A standard split-spoon sampler is 2.0-inch outer diameter and 1.375-inch inner diameter.

MONITORING WELL LOG

Project Name: Fleet Bank Branch	**Well Identification:** MW7
Street Address: 1322 Sea Girt Ave., Wall Twp, NJ 07719	**Well Coordinate Number:** 29.33.377
Tax Map Address: Block 706, Lot 2	**Well Permit Number:** 29-46075
County: Monmouth	**Latitude:** North 40° 08' 09.4"; **Longitude:** West 74° 03' 38.1"
Owner: Fleet National Bank	**Casing Elevation:** 36.35 feet; **Surface Elevation:** 36.89 feet
Owner's Representative: Gary Skowronski, V.P.	**Well Depth:** 30 feet
Owner's Address: 3670 Rte 9 South, Freehold, NJ 07728	**Screen Length:** 15 feet; **Casing Length:** 15 feet
GES Project Manager: John H. Montgomery, P.G.	**Drilling Method:** Hollow stem auger
GES Case Manager: John H. Montgomery, P.G.	**Well Diameter:** 4.0 inches
NJDEP Case Number: Not applicable	**Borehole Diameter:** 11.0 inches
NJPDES Permit Number: Not applicable	**Sampling Method:** Drill cuttings
Driller: GES Probe Services Division	**Static Water Depth:** 18.45 feet
Driller's Address: 1340 Campus Parkway, Wall, NJ 07719	**Logged By:** John H. Montgomery, P.G.
Driller's License Number: JD1610	**Completion Date:** January 11, 2002

Depth (feet)	Sample Number	Well Detail	PID (units)	Blow Counts Recovery (inches)	Depth (feet)	Lithology/Remarks (Modified Burmister Classification)
0			0	Hand augered to 4 feet	0-0.33:	Asphalt
			0		0.33-1.0:	Gravel base
2					1-18:	Yellow-orange to light brown well sorted Gravel, some (+) very coarse sand, trace (-) cobbles. Moist at 16 feet.
4						
6						
8						
10						
12						
14						
16						
18					18-26:	Light orange to pale yellow very coarse Sand, some (+) gravel, trace (-) very fine sand.
20			0			Brown to yellow-brown silty Sand, some (+) gravel, trace (+) clay. Moist at 20 feet.
24						
26					26-30:	Pale gray to light orange-brown very coarse Sand, some (+) fine sand, trace (-) gravel and silt. Wet at 24 feet.
28			0			
30						
						End boring at 30 feet

Key:
- Bentonite-cement grout
- Bentonite powder seal
- Sand/Gravel pack

Well Construction Materials and Completion Details: Schedule 40 PVC, 0.010-inch machine slotted threaded screen and threaded solid casing, Morie #1 sand, bentonite powder seal. Flush mounted, bolt down, 12-inch diameter manhole. Locking, water-tight gripper plug.

Note: Numbers in the column labeled "Blow Counts" refer to the number of blows required to drive a standard split-spoon sampler a distance of 6.0 inches using a 140-pound drop weight falling 30 inches. A standard split-spoon sampler is 2.0-inch outer diameter and 1.375-inch inner diameter.

Appendix 4

Monitoring Well Permit

DWR-133M
/00

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

MONITORING WELL PERMIT

52

Permit No. 2945875

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 29.33.377

wner Floyd National Bank
Address 3670 Rt 9 South
Freehold NJ

Driller Shore Drilling LLC
Address 23 Beaver Ave
Manasquan NJ

Name of Facility Floyd Bank
ddress 1322 Sea Girt Ave
Wall NJ

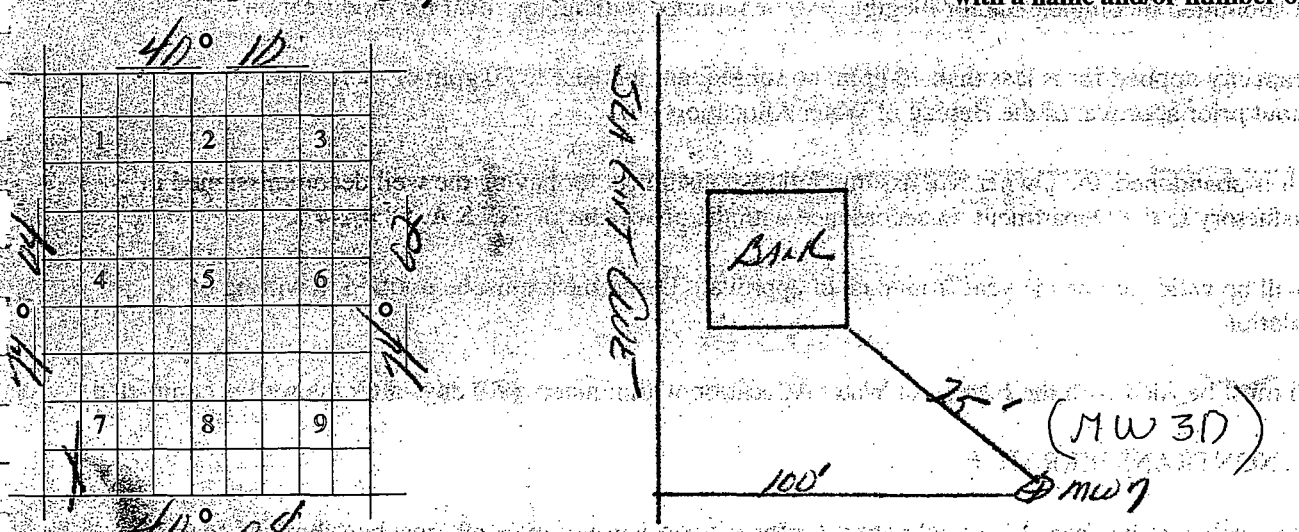
Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	60 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☐
Type of Well (see reverse)	Monitoring	If Yes, give pump capacity	n/a cumulative GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
2	706	Wall	Monmouth

State Atlas Map No. 29

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☒ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain)

CASE I.D. Number

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J.D.E.P
NOV 8 2001
BUREAU OF WATER ALLOCAT

FOR D.E.P. USE

- ☐ Issuance of this permit is subject to the conditions attached. (see next page)
- ☒ For monitoring purposes only
- ☒ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 11-5-01 Signature of Driller [signature] Registration No. 11215/10

Signature of Property Owner [signature]

COPIES: Water Allocation - White Health Dept. - Yellow Owner - Blue / Driller - White

DWR-138 M
8/00

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 45875

Atlas Sheet Coordinates 29 : 33 . 377

OWNER IDENTIFICATION - Owner ~~FLEET NATIONAL BANK~~
Address ~~3670 RT 9 SOUTH~~
City ~~FREEHOLD~~ State ~~NJ~~ Zip Code

WELL LOCATION - If not the same as owner please give address: Owner's Well No. MW-7 (MW-3D)
County ~~MONMOUTH~~ Municipality ~~WALL TWP~~ Lot No. 2 Block No. ~~706~~
Address ~~1322 SEA GIRT AVE~~

TYPE OF WELL (as per Well Permit Categories) MONITORING
DATE WELL STARTED 11/15/01
DATE WELL COMPLETED 11/16/01
Regulatory Program Requiring Well Case I.D.#

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Tele. #

WELL CONSTRUCTION
Total depth drilled 61 ft.
Well finished to 61 ft.

Borehole diameter:
Top 12 in.
Bottom 12 in.

Well was finished: ☐ above grade ☒ flush mounted

If finished above grade, casing height (stick up) above land surface N/A ft.

Was steel protective casing installed? ☐ Yes ☒ No

Static water level after drilling 35 ft.

Water level was measured using TAPE

Well was developed for .5 hours at 4 gpm

Method of development MOVED WATER

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity N/A gpm

Pump type: N/A

Drilling Fluid N/A Type of Rig A300

Health and Safety Plan submitted? ☐ Yes ☒ No

Level of Protection used on site (circle one) None D C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	51	4	PVC	sch 40
Middle Casing (for triple cased wells only)	—				
Outer Casing (largest diameter)	—				
Open Hole or Screen (No. Used 1)	51	61	4	PVC	.010 ~~.020~~
Blank Casings (No. Used)	—				
Tail Piece	—				
Gravel Pack	49	61	12	SAND	00
Grout	0	49	12	Neat Cement / Bentonite	lbs. / 200 lbs.

Grouting Method Tremie / pressure
Drilling Method HSA

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations.

0-3' Asphalt
3-61 orange brn - tan brn fine MD SAND. w occasional clay lenses

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GARY PARENT/SHORE DRLG. INC.
Well Driller (Print) Gary Parent
Driller's Signature Gary Parent
Registration No. MD1540 Date 1/10/02

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: ___° ___' ___.__" LONGITUDE: ___° ___' ___.__"

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

)WR-133M
2/00

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

44

MONITORING WELL PERMIT

Permit No. 294607

Mail To:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD#: 29 • 33 • 3477

wner Fleet National Bank

Address 3670 Route 9 South
Freehold, NJ 07728

Driller GES

Address 1340 Campus Parkway
Wall, NJ 07719

Name of Facility Fleet Bank

ddress 1322 Sea Girt Avenue
Wall, NJ 08750

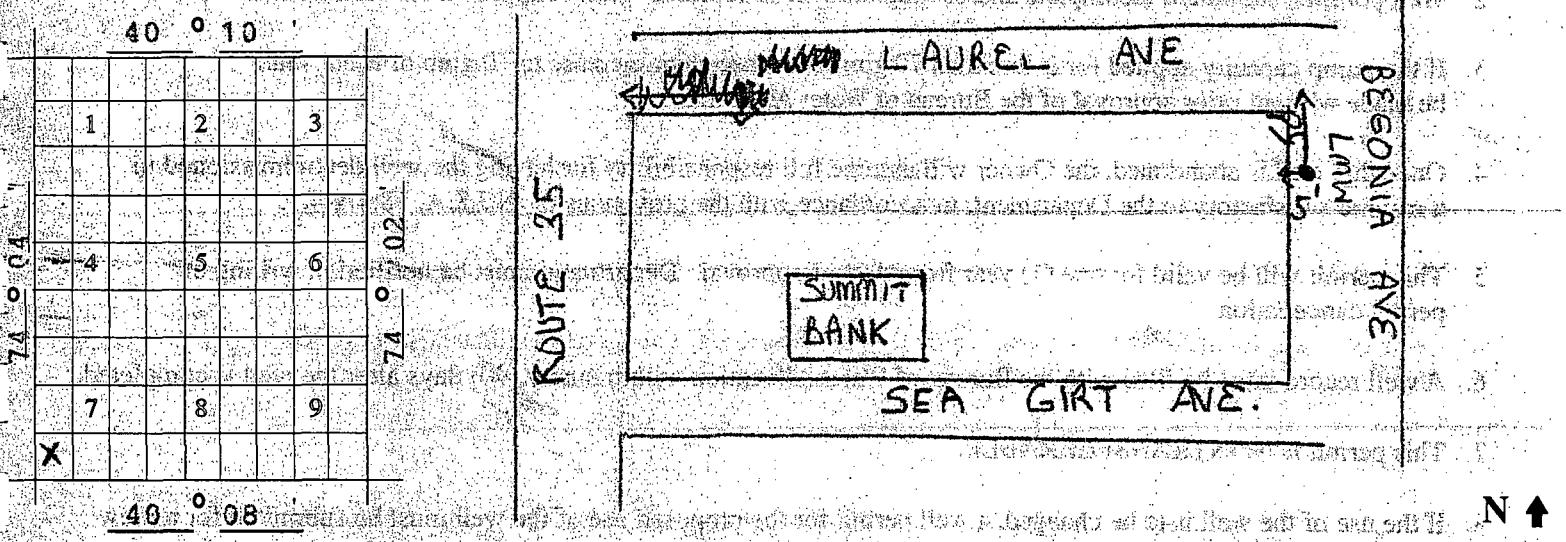
Diameter of Well(s)	4 Inches	Proposed Depth of Well(s)	30 Feet
# of Wells Applied for (max. 10)	1	Will pumping equipment be utilized?	YES ☐ NO ☑
Type of Well (see reverse)	Monitoring	If Yes, give pump capacity	cumulative GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
2	706	Sea Girt	Monmouth

State Atlas Map No. 29

Draw sketch of well(s) nearest roads,buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Site
- ☐ ISRA Site
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☑ Other (explain) Owners Investigation

CASE I.D. Number
N/A

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.
DEC 27 2001
BUREAU OF WATER ALLOCATION

FOR D.E.P. USE

☐ Issuance of this permit is subject to the conditions attached. (see next page)

☑ For monitoring purposes only

☐ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A.58:4A-14, application is made for a permit to drill a well as described above.

Date 12 Oct

Signature of Driller [signature] Registration No. JD1610

Signature of Property Owner Karen Skrogaard for Fleet National Bank

COPIES: White - Water Allocation; Yellow - Health Dept.; Pink - Owner; Blue - Driller; WR

R-138 M
3/00

New Jersey Department of Environmental Protection
Bureau of Water Allocation

MONITORING WELL RECORD

Well Permit No. 29 - 46075

Atlas Sheet Coordinates 29 : 33 : 377

OWNER IDENTIFICATION - Owner FLEET NATIONAL BANK
Address 3670 ROUTE 9 SOUTH
City LINDEN State NJ Zip Code

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW-7
County MONMOUTH Municipality SEA GIRT BORO Lot No. 2 Block No. 706
Address 1322 SEA GIRT AVE

DATE WELL STARTED 1 / 11 / 02
DATE WELL COMPLETED 1 / 11 / 02

TYPE OF WELL (as per Well Permit Categories) MONITORING
Regulatory Program Requiring Well Case I.D.# N/A

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) GES Tele. # 732-919-0100

WELL CONSTRUCTION

Total depth drilled 30 ft.
Well finished to 30 ft.

Borehole diameter:
Top 11 in.
Bottom 11 in.

Well was finished: ☐ above grade ☑ flush mounted

If finished above grade, casing height (stick up) above land surface ____ ft.

Is steel protective casing installed? ☐ Yes ☑ No

Static water level after drilling 14 ft.

Water level was measured using Indicator

Well was developed for .5 hours
2 gpm

Method of development Whale Pump

Was permanent pumping equipment installed? ☐ Yes ☑ No

Pump capacity ____ gpm

Pump type: ____

Drilling Fluid ____ Type of Rig A.M.S

Health and Safety Plan submitted? ☐ Yes ☑ No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	.5	10	4	PVC	SCH40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used .010)	10	30	4	PVC	SCH40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	8	30	11	#1Sand	1000lbs
Grout	0	8	11	Neat Cement Bentonite	____ lbs. 50 lbs.

Grouting Method Tremie Grout
Drilling Method H.S.A

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations.

0-6" Asphalt
6"-3' Course brown sand & cobbles
3'-6' Medium sized cobbles
6'-18' Fine tan sand
18'-25' Course tan sand
XXXXXXXXXXXXXXXXXXXXXX
25'-30' Course tan sand with some clay

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company GROUNDWATER & ENVIRONMENTAL SE
Well Driller (Print) William Lovenberg
Driller's Signature William Lovenberg
Registration No. JD1610 Date 1/11/02

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: __° __' __.__" LONGITUDE: __° __' __.__"

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Appendix 5

Drill Cuttings and Development Water (Waste Manifests and Analytical Reports)

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

APV [illegible]936

2. Page 1 of 1

3. Generator's Name and Mailing Address

Fleet National Bank
3870 Route 9 South
Freehold NJ 07726

4. Generator's Phone ( )

Site Address [illegible] Old Bridge, NJ

APV Job# 02-00171

5. Transporter 1 Company Name: Allstate Power Vac

6. US EPA ID Number: NJD003812047

A. State Transporter's ID: H10376

B. Transporter 1 Phone: (800) 878-9899

7. Transporter 2 Company Name: Allstate Power Vac

8. US EPA ID Number: NJD003812047

C. State Transporter's ID: H10376

D. Transporter 2 Phone: (800) 878-9899

9. Designated Facility Name and Site Address

Penn Ohio Corporation
4813 Woodman Avenue
Ashtabula OH 44004

10. US EPA ID Number: OHR000028837

E. State Facility's ID

F. Facility's Phone: (440) 997-7906

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Regulated Materials ~~Oily Page~~ Non DOT/ Non RCRA	001	DM	01800	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

a. (S) ~~100% Oil Contaminated~~ Soil and Debris

b.

c.

d.

H. Handling Codes for Wastes Listed Above

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information

Emergency Contact – 800-876-9699
On Call Supervisor
APV Truck #:

a. Appr#: 020208-09

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
John Montgomery	John Montgomery	02 06 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
[illegible]	[illegible]	02 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Debbie Johnson	Debbie Johnson	02 26 02

GENERATOR

TRANSPORTER

FACILITY

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD980693069 Manifest Document No. 05300
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Fleet National Bank
3670 Route 9 South
Freehold NJ 07728

4. Generator's Phone (732 761-1935)

A. State Manifest Document Number NJA 8205800

B. State Generator's ID (Geny Bldg Address) 132 Wall St

5. Transporter 1 Company Name: Allstate Power Vac — 6. US EPA ID Number: NJD003812047

C. State Trans. ID NJDEP

Decal No.

7. Transporter 2 Company Name: Allstate Power Vac — 8. US EPA ID Number: NJD003812047

D. Transporter's Phone

E. State Trans. ID NJDEP

Decal No.

9. Designated Facility Name and Site Address
Cycle Chem, Inc.
217 South First Street
Elizabeth NJ 07206

10. US EPA ID Number: NJD002909046

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Hazardous Waste Liquid nos (Tetrachloroethylene) 9, UN3082, III F002, D039	X	001	DM	00055	G	D039
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
TL, E, Al Water w/ tetrachloroethylene 90-99%, Sediment <3%
Also BOD

K. Handling Codes for Wastes Listed Above
S01

15. Special Handling Instructions and Additional Information
ER #: 800-876-9699/On Call Supervisor

Approval: ID

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
John Montgomery	John Montgomery	02	06	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Miller		02	20	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
G. GREIAK	G. Greiak	02	14	02

19. Discrepancy Indication Space
TATNF #

RECEIVED FEB 20 2002

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

CASIE / PROTANK
ENVIRONMENTAL SERVICES

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. NONEREQUIRED Document No. 6804O
2. Page 1 of
3. Generator's Name and Mailing Address: Fleet National Bank, 1322 Seagrit Ave, Wall NJ 07719
4. Generator's Phone (732) 449-5510
5. Transporter 1 Company Name: Casie Ecology Oil Salvage, Inc.
6. US EPA ID Number: NJD045995613
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: Casie Ecology Oil Salvage, Inc. T/A / Casie Protank, 3209 N. Mill Rd, Vineland NJ 08360
10. US EPA ID Number: NJD045995613

A. Non-hazardous Manifest Document Number: NHZ020 77771
B. State Generator's ID: SAME
C. State Trans. ID: NJ0293
D. Transporter's Phone (856) 696-4401
E. State Trans. ID
F. Transporter's Phone ( )
G. State Facility's ID: 0614D1HP05
H. Facility's Phone (856) 696-4401

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. FUEL OIL ~~Gasoline~~ Contaminated Solids Non DOT Regulated	8	DM	400	G	ID27
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: (S)

K. Handling Codes for Wastes Listed Above: a. S01

15. Special Handling Instructions and Additional Information: a.24 hr emergency response #609-685-2156 G.CALL

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261, 264 and 279 or any applicable state law.

Printed/Typed Name: JAMES J GUNTHER — Signature — Month Day Year: 1 21 401

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES J GUNTHER — Signature — Month Day Year: 1 21 401

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space: Section 11A should Read: Non Hazardous Material (Soil) NON DOT Regulated

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: M Stephens — Signature — Month Day Year: 1 21 401

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

CASIE / PROTANK
ENVIRONMENTAL SERVICES

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. NONEREQUIRED Document No. 0031i
2. Page 1 of

3. Generator's Name and Mailing Address: Fleet National Bank, 223 Buffalo Ave, Egg Harbor NJ 08215
4. Generator's Phone (732) 919-0100

A. Non-hazardous Manifest Document Number: NHZ020 79927
B. State Generator's ID: SAME

5. Transporter 1 Company Name: Casie Ecology Oil Salvage, Inc.
6. US EPA ID Number: NJD045991569 3
C. State Trans. ID
D. Transporter's Phone (856) 696-4401

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID

9. Designated Facility Name and Site Address: Casie Ecology Oil Salvage, Inc. T/A / Casie Protank, 3209 N. Mill Rd, Vineland NJ 08360
10. US EPA ID Number: NJD045991569 3
F. Transporter's Phone ( )
G. State Facility's ID 0614D1HP05
H. Facility's Phone (856) 696-4401

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. Gasoline Contaminated Solids Non DOT Regulated	4 ~~001~~	DM	200 ~~0001~~	G	NJD021
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
(S)
a. c. b. d.

K. Handling Codes for Wastes Listed Above
S01
a. c. b. d.

15. Special Handling Instructions and Additional Information
a.24 hr emergency response #609~585~2156 G.CALL

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261, 264 and 279 or any applicable state law.

Printed/Typed Name: Roberto Lopez — Signature: Roberto Lopez — Month Day Year: 12/14/01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Roberto Lopez — Signature: Roberto Lopez — Month Day Year: 12/17/01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
Section 11A should Read: Non Hazardous Material (Soil)
Non Dot Regulated

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: M Stephens — Signature: M Stephens — Month Day Year: 12/17/02

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

Integrated Analytical Laboratories, LLC.

273 Franklin Road
Randolph, N.J. 07869

Phone: 973 361-4252
Fax: 973 989-5288

ANALYTICAL DATA REPORT

for
Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall,NJ 07719

Project: FLEET BANK - WALL
Lab Case Number: E02-0258
Date Report Prepared: January 30, 2002

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
SOIL DRUM	0258-001

All required protocols were followed during analyses. These data have been reviewed and accepted by

Michael H. Leftin, Ph.D.
Laboratory Director

RECEIVED FEB 0 1 2002

The liability of Integrated Analytical Laboratories, LLC. is limited to the actual cost of the analyses performed.

IAL is a NELAC Certified Lab # 14751 and maintains certification in Connecticut # PH-0699, New York # 11402 and Florida # E87670

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) soil sample(s) from Groundwater & Environmental Services (Project: FLEET BANK - WALL) on January 11, 2002 for the analysis of:

(1) TCLP Volatiles
(1) Sulfide, Reactive
(1) Cyanide, Reactive
(1) Ignitability @ 142°F
(1) Corrosivity as pH

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

1/29/02
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E02-0258

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

1/29/02
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E02 - 0257

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		NA
b. System Performance Check Compounds		NA
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		NA
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
			✓

13. Comments:

TCLP EXTRACT

Organics Manager

1-17-02
Date

0004

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Groundwater & Environmental Services
Project: FLEET BANK - WALL
Lab Case No.: E02-0258

	Lab ID:	**0258-001**	
	Client ID:	**SOIL DRUM**	
	Matrix:	**Soil**	
	TCLP Matrix:	**Aqueous Leachate**	
	Sampled Date:	**1/11/2002**	
PARAMETER(Units)	Conc	Q	MDL
TCLP Volatiles (ppm)			
Vinyl Chloride	ND		0.0095
1,1-Dichloroethene	ND		0.022
2-Butanone(MEK)	ND		0.015
Chloroform	ND		0.008
Carbon Tetrachloride	ND		0.014
1,2-Dichloroethane(EDC)	ND		0.0045
Benzene	ND		0.0065
Trichloroethene	ND		0.0095
Tetrachloroethene	ND		0.011
Chlorobenzene	ND		0.008
1,4-Dichlorobenzene	ND		0.007
General Analytical			
Sulfide, Reactive (ppm)	ND		17.8
Cyanide, Reactive (ppm)	ND		11.1
Ignitability @ 142°F (Yes/No)	NO		NA
Corrosivity as pH (S.U.)	7.04		NA

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES

TCLP VOLATILE ORGANICS

Client/Project: GES/FLEET BANK - WALL

Lab ID: 0258-001
Client ID: SOIL_DRUM
Date Received: 01/11/2002
Date Analyzed: 01/16/2002
Data file: K9000.D

GC/MS Column: DB-624
Sample wt/vol: 0.1mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 50
% Moisture: 100

Compound	Concentration	Q	MDL
Vinyl Chloride	ND		0.0095
1,1-Dichloroethene	ND		0.022
2-Butanone(MEK)	ND		0.015
Chloroform	ND		0.008
Carbon Tetrachloride	ND		0.014
1,2-Dichloroethane(EDC)	ND		0.0045
Benzene	ND		0.0065
Trichloroethene	ND		0.0095
Tetrachloroethene	ND		0.011
Chlorobenzene	ND		0.008
1,4-Dichlorobenzene	ND		0.007

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES, LLC.

GENERAL ANALYTICAL

Client/Project: GES/FLEET BANK - WALL

Lab ID: 0258-001
Client ID: SOIL DRUM
Date Received: 1/11/02
% Moisture: 10.1

Compound	Result	Q	Matrix Unit	DF	MDL	Date Analyzed
Sulfide, Reactive	ND		Soil-mg/Kg	1	17.8	1/17/02
Cyanide, Reactive	ND		Soil-mg/Kg	1	11.1	1/17/02
Ignitability @ 142°F	NO		Soil-Yes/No	1	NA	1/15/02
Corrosivity as pH	7.04		Soil-S.U.	NA	NA	1/15/02

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METHODOLOGY SUMMARY

Analytical Parameter	Aqueous Samples Method #	Soil/Other Samples Method #
TCLP Volatiles	NA	EPA 1311/ 624
Sulfide, Reactive	NA	EPA 7.3.4.2
Cyanide, Reactive	NA	EPA 7.3.3.2
Ignitability @ 142°F/Flash Point	NA	HZWAS CHP.7
pH	NA	EPA 9045C

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: K8968.D BFB Injection Date: 01/15/2002

Inst ID: MSD_K BFB Injection Time: 9:28

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	17.6			
75	30.0 - 60.0% of mass 95	48.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.5	(	0.6	)1
174	Great than 50.0% of mass 95	76.2			
175	5.0 - 9.0% of mass 174	4.3	(	5.6	)1
176	95.0 - 101.0% of mass 174	76.6	(	100.5	)1
177	5.0 - 9.0% of mass 176	4.7	(	6.1	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
20-PPB-STD	20-PPB-STD	K8969.D	01/15/2002	10:06
5-PPB-STD	5-PPB-STD	K8970.D	01/15/2002	10:33
100-PPB-STD	100-PPB-STD	K8971.D	01/15/2002	10:59
METHOD-BLK	METHOD-BLK	K8976.D	01/15/2002	15:17
LFB	LFB	K8977.D	01/15/2002	15:43
MS	0090-002MS	K8978.D	01/15/2002	16:10
8340MW-1B	0090-002	K8981.D	01/15/2002	17:30
8340MW-2	0090-003	K8982.D	01/15/2002	17:57
8340MW-3	0090-004	K8983.D	01/15/2002	18:24
TB011002	0248-001	K8984.D	01/15/2002	18:50
MW-25	0248-002	K8985.D	01/15/2002	19:16
MW-20	0248-003	K8986.D	01/15/2002	19:43
MW-20D	0248-004	K8987.D	01/15/2002	20:09
FB011002	0248-005	K8988.D	01/15/2002	20:35
NJTA_6S_INF	0252-001	K8989.D	01/15/2002	21:01
NJTA_6S_A/S_EFF	0252-002	K8990.D	01/15/2002	21:28
NJTA_6S_BTWN_	0252-003	K8991.D	01/15/2002	21:54
NJTA_6S_EFF	0252-004	K8992.D	01/15/2002	22:20
NJTA_6N_EFF	0252-005	K8993.D	01/15/2002	22:47
TRIP_BLANK	0252-006	K8994.D	01/15/2002	23:13

0009

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: K8968.D BFB Injection Date : 01/15/200

Inst ID: MSD_K BFB Injection Time: 9:28

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	17.6			
75	30.0 - 60.0% of mass 95	48.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.8			
173	Less than 2.0% of mass 174	0.5	(	0.6	)1
174	Great than 50.0% of mass 95	76.2			
175	5.0 - 9.0% of mass 174	4.3	(	5.6	)1
176	95.0 - 101.0% of mass 174	76.6	(	100.5	)1
177	5.0 - 9.0% of mass 176	4.7	(	6.1	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
MW-1	0257-001	K8995.D	01/15/2002	23:39
TRIP_BLANK	0257-002	K8997.D	01/16/2002	0:32
FIELD_BLANK	0257-003	K8998.D	01/16/2002	0:58
TCLPMB	METHOD-BLK	K8999.D	01/16/2002	1:25
SOIL_DRUM	0258-001	K9000.D	01/16/2002	1:51
MW8	0265-001	K9001.D	01/16/2002	2:17
MW9	0265-002	K9002.D	01/16/2002	2:43
MW10	0265-003	K9003.D	01/16/2002	3:10
MW14	0265-004	K9004.D	01/16/2002	3:36
MW15	0265-005	K9005.D	01/16/2002	4:02
FIELD_BLANK	0265-006	K9006.D	01/16/2002	4:29
TCLPMS	TCLPMS	K9007.D	01/16/2002	4:55
MS	0252-003MS	K9008.D	01/16/2002	5:22
MSD	0252-003MSD	K9009.D	01/16/2002	5:48
MSD	0090-002MSD	K9011.D	01/16/2002	8:45
NJTA_6S_INF	0252-001	K9013.D	01/16/2002	9:39
MW8	0265-001	K9016.D	01/16/2002	10:55

0010

VOLATILE METHOD BLANK SUMMARY

Lab File ID: K8976.D

Instrument ID: MSD_K

Date Analyzed: 01/15/2002

Time Analyzed: 15:17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LFB	LFB	01/15/2002	15:43
MS	0090-002MS	01/15/2002	16:10
8340MW-1B	0090-002	01/15/2002	17:30
8340MW-2	0090-003	01/15/2002	17:57
8340MW-3	0090-004	01/15/2002	18:24
TB011002	0248-001	01/15/2002	18:50
MW-25	0248-002	01/15/2002	19:16
MW-20	0248-003	01/15/2002	19:43
MW-20D	0248-004	01/15/2002	20:09
FB011002	0248-005	01/15/2002	20:35
NJTA_6S_INF	0252-001	01/15/2002	21:01
NJTA_6S_A/S_EFF	0252-002	01/15/2002	21:28
NJTA_6S_BTWN_GAC	0252-003	01/15/2002	21:54
NJTA_6S_EFF	0252-004	01/15/2002	22:20
NJTA_6N_EFF	0252-005	01/15/2002	22:47
TRIP_BLANK	0252-006	01/15/2002	23:13
MW-1	0257-001	01/15/2002	23:39
TRIP_BLANK	0257-002	01/16/2002	0:32
FIELD_BLANK	0257-003	01/16/2002	0:58
TCLPMB	METHOD-BLK	01/16/2002	1:25
SOIL_DRUM	0258-001	01/16/2002	1:51
MW8	0265-001	01/16/2002	2:17
MW9	0265-002	01/16/2002	2:43
MW10	0265-003	01/16/2002	3:10
MW14	0265-004	01/16/2002	3:36
MW15	0265-005	01/16/2002	4:02
FIELD_BLANK	0265-006	01/16/2002	4:29
TCLPMS	TCLPMS	01/16/2002	4:55
MS	0252-003MS	01/16/2002	5:22
MSD	0252-003MSD	01/16/2002	5:48

VOLATILE METHOD BLANK SUMMARY

Lab File ID: K8976.D Instrument ID: MSD_K

Date Analyzed: 01/15/2002 Time Analyzed: 15:17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MSD	0090-002MSD	01/16/2002	8:45
NJTA_6S_INF	0252-001	01/16/2002	9:39
MW8	0265-001	01/16/2002	10:55

0012

INTEGRATED ANALYTICAL LABORATORIES

TCLP VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD-BLK
Client ID: METHOD-BLK
Date Received: NA
Date Analyzed: 01/15/2002
Data file: K8976.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Vinyl Chloride	ND		0.00019
1,1-Dichloroethene	ND		0.00044
2-Butanone(MEK)	ND		0.0003
Chloroform	ND		0.00016
Carbon Tetrachloride	ND		0.00028
1,2-Dichloroethane(EDC)	ND		0.00009
Benzene	ND		0.00013
Trichloroethene	ND		0.00019
Tetrachloroethene	ND		0.00022
Chlorobenzene	ND		0.00016
1,4-Dichlorobenzene	ND		0.00014

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

TCLP VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD-BLK
Client ID: TCLPMB
Date Received: NA
Date Analyzed: 01/16/2002
Data file: K8999.D

GC/MS Column: DB-624
Sample wt/vol: 0.1mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 50
% Moisture: 100

Compound	Concentration	Q	MDL
Vinyl Chloride	ND		0.0095
1,1-Dichloroethene	ND		0.022
2-Butanone(MEK)	ND		0.015
Chloroform	ND		0.008
Carbon Tetrachloride	ND		0.014
1,2-Dichloroethane(EDC)	ND		0.0045
Benzene	ND		0.0065
Trichloroethene	ND		0.0095
Tetrachloroethene	ND		0.011
Chlorobenzene	ND		0.008
1,4-Dichlorobenzene	ND		0.007

Total Target Compounds: 0

Response Factor Report MSD_K

Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration

Calibration Files
20 =K8969.D 5 =K8970.D 100 =K8971.D
= =

		Compound	20	5	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------				
2)	T	Dichlorodifluorometha	0.554	0.603	0.726	0.628	14.13
3)	P	Chloromethane	1.169	1.269	1.227	1.222	4.10
4)	C	Vinyl Chloride	1.075	1.147	1.015	1.079	6.13
5)	T	Bromomethane	0.683	0.772	0.568	0.674	15.17
6)	T	Chloroethane	0.646	0.761	0.688	0.698	8.38
7)	T	Trichlorofluoromethan	0.807	0.918	0.995	0.907	10.38
8)	T	Acrolein	0.042	0.042	0.042	0.042	0.92
9)	MC	1,1-Dichloroethene	0.529	0.660	0.571	0.587	11.37
10)	T	Acetone	0.228	0.269	0.233	0.243	9.24
11)	T	Carbon Disulfide	3.128	2.409	2.992	2.843	13.43
12)	T	Vinyl Acetate	2.668	2.780	2.676	2.708	2.31
13)	T	Methylene Chloride	0.842	0.949	0.878	0.890	6.12
14)	T	Acrylonitrile	0.259	0.264	0.259	0.261	1.07
15)	T	t-Butyl Alcohol(TBA)	0.084	0.092	0.087	0.087	4.57
16)	T	trans-1,2-Dichloroeth	0.901	0.898	0.836	0.878	4.16
17)	T	Methyl-t-Butyl Ether(	2.502	2.551	2.515	2.523	1.00
18)	P	1,1-Dichloroethane	1.747	1.729	1.722	1.732	0.75
19)	T	Diisopropyl Ether(DIP	2.805	2.830	2.819	2.818	0.45
20)	T	cis-1,2-Dichloroethen	0.917	0.908	0.887	0.904	1.72
21)	T	2,2-Dichloropropane	0.976	0.996	0.910	0.960	4.70
22)	T	2-Butanone(MEK)	0.316	0.400	0.333	0.350	12.76
23)	T	Bromochloromethane	0.291	0.292	0.313	0.299	4.23
25)	C	Chloroform	1.301	1.319	1.413	1.344	4.47
26)	T	1,1,1-Trichloroethane	0.976	0.968	0.997	0.980	1.52
27)	T	Carbon Tetrachloride	0.739	0.697	0.782	0.739	5.76
28)	T	1,1-Dichloropropene	1.083	1.075	1.160	1.106	4.27
29)	T	1,2-Dichloroethane(ED	1.090	1.108	1.216	1.138	6.01
30)	S	1,2-Dichloroethane-d4	0.919	0.951	0.921	0.930	1.90
31)	I	1,4-Difluorobenzene	----------ISTD----------				
32)	M	Benzene	1.421	1.417	1.564	1.467	5.72
33)	M	Trichloroethene	0.332	0.332	0.362	0.342	5.12
34)	C	1,2-Dichloropropane	0.391	0.389	0.430	0.403	5.74
35)	T	Dibromomethane	0.194	0.192	0.217	0.201	6.88
36)	T	1,4-Dioxane	0.003	0.003	0.003	0.003	7.57
37)	T	Bromodichloromethane	0.457	0.445	0.508	0.470	7.10
38)	T	2-Chloroethylvinyl Et	0.211	0.219	0.258	0.229	10.82
39)	T	cis-1,3-Dichloroprope	0.611	0.594	0.693	0.632	8.37
40)	T	4-Methyl-2-pentanone(	0.284	0.294	0.314	0.297	5.24
41)	S	Toluene-d8	1.193	1.193	1.240	1.209	2.24
42)	MC	Toluene	0.871	0.871	0.995	0.913	7.83
43)	T	trans-1,3-Dichloropro	0.547	0.533	0.642	0.574	10.31
44)	T	1,1,2-Trichloroethane	0.251	0.258	0.288	0.265	7.41
45)	T	Tetrachloroethene	0.260	0.255	0.286	0.267	6.23
46)	T	1,3-Dichloropropane	0.566	0.568	0.661	0.599	9.10
47)	T	2-Hexanone	0.206	0.213	0.228	0.216	5.01
48)	T	Dibromochloromethane	0.249	0.234	0.303	0.262	13.84
49)	T	1,2-Dibromoethane(EDB	0.264	0.270	0.317	0.284	10.11

50)	I	Chlorobenzene-d5	----------ISTD----------					
51)	MP	Chlorobenzene	0.930	0.934	1.035		0.967	6.14
52)	T	1,1,1,2-Tetrachloroet	0.282	0.266	0.324		0.291	10.33
53)	C	Ethylbenzene	1.815	1.797	1.968		1.860	5.04
54)	T	m,p-Xylene	0.679	0.665	0.722		0.689	4.36
55)	T	o-Xylene	0.679	0.656	0.736		0.690	5.97
56)	T	Styrene	1.186	1.152	1.288		1.209	5.87
57)	P	Bromoform	0.151	0.143	0.182		0.158	12.98
58)	T	Isopropylbenzene	1.590	1.576	1.714		1.627	4.69
59)	S	Bromofluorobenzene	0.633	0.631	0.620		0.628	1.06
60)	P	1,1,2,2-Tetrachloroet	0.410	0.412	0.447		0.423	4.90
61)	T	Bromobenzene	0.353	0.352	0.391		0.366	6.02
62)	T	1,2,3-Trichloropropan	0.376	0.396	0.412		0.395	4.49
63)	T	n-Propylbenzene	2.129	2.093	2.214		2.145	2.89
64)	T	2-Chlorotoluene	1.314	1.304	1.411		1.343	4.42
65)	T	1,3,5-Trimethylbenzen	1.363	1.345	1.475		1.394	5.06
66)	T	4-Chlorotoluene	1.539	1.502	1.661		1.567	5.31
67)	T	tert-Butylbenzene	0.938	0.937	1.012		0.962	4.42
68)	T	1,2,4-Trimethylbenzen	1.423	1.405	1.533		1.454	4.76
69)	T	sec-Butylbenzene	1.570	1.551	1.646		1.589	3.19
70)	T	1,3-Dichlorobenzene	0.628	0.626	0.694		0.649	5.98
71)	T	4-Isopropyltoluene	1.089	1.082	1.181		1.117	4.95
72)	T	1,4-Dichlorobenzene	0.644	0.649	0.710		0.668	5.48
73)	T	n-Butylbenzene	1.254	1.223	1.306		1.261	3.34
74)	T	1,2-Dichlorobenzene	0.586	0.586	0.653		0.609	6.40
75)	T	1,2-Dibromo-3-chlorop	0.054	0.064	0.064		0.061	9.51
76)	T	1,2,4-Trichlorobenzen	0.259	0.350	0.302		0.304	15.12
77)	T	Hexachlorobutadiene	0.098	0.115	0.104		0.106	7.76
78)	T	Naphthalene	0.522	0.799	0.649		0.657	21.13
79)	T	1,2,3-Trichlorobenzen	0.162	0.263	0.191		0.205	25.39
80)	T	1,1,2-Trichloro-1,2,2	0.282	0.214	0.216		0.237	16.22
81)	T	Methyl Acetate	0.239	0.247	0.240		0.242	1.84
82)	T	Cyclohexane	0.582	0.495	0.531		0.536	8.12
83)	T	Methyl Cyclohexane	0.464	0.413	0.435		0.438	5.81

(#) = Out of Range

KA011502.M Tue Jan 15 14:59:55 2002 MSD_K

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/15/2002

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	AQUEOUS	K8976.D	89	95	97
LFB	AQUEOUS	K8977.D	90	94	97
0090-002MS	AQUEOUS	K8978.D	89	94	96
0090-002	AQUEOUS	K8981.D	91	95	96
0090-003	AQUEOUS	K8982.D	92	95	96
0090-004	AQUEOUS	K8983.D	93	95	97
0248-001	AQUEOUS	K8984.D	94	95	97
0248-002	AQUEOUS	K8985.D	95	95	96
0248-003	AQUEOUS	K8986.D	95	97	97
0248-004	AQUEOUS	K8987.D	96	96	97
0248-005	AQUEOUS	K8988.D	97	97	98
0252-001	AQUEOUS	K8989.D	98	98	98
0252-002	AQUEOUS	K8990.D	99	97	97
0252-003	AQUEOUS	K8991.D	99	97	98
0252-004	AQUEOUS	K8992.D	101	97	98
0252-005	AQUEOUS	K8993.D	100	98	98
0252-006	AQUEOUS	K8994.D	101	98	98
0257-001	AQUEOUS	K8995.D	101	98	100
0257-002	AQUEOUS	K8997.D	101	98	98
0257-003	AQUEOUS	K8998.D	100	98	98
METHOD-BLK	AQUEOUS	K8999.D	102	98	98
0258-001	AQUEOUS	K9000.D	102	98	98

	Concentration	Aqueous
SMC1 = 1,2-Dichloroethane-d4	30 ppb	69-140
SMC2 = Toluene-d8	30 ppb	86-113
SMC3 = Bromofluorobenzene	30 ppb	82-112

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/15/2002

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
0265-001	AQUEOUS	K9001.D	103	97	99
0265-002	AQUEOUS	K9002.D	102	98	99
0265-003	AQUEOUS	K9003.D	102	98	97
0265-004	AQUEOUS	K9004.D	103	97	100
0265-005	AQUEOUS	K9005.D	102	97	98
0265-006	AQUEOUS	K9006.D	102	98	99
TCLPMS	AQUEOUS	K9007.D	101	98	100
0252-003MS	AQUEOUS	K9008.D	101	98	100
0252-003MSD	AQUEOUS	K9009.D	101	98	100
0090-002MSD	AQUEOUS	K9011.D	99	97	99
0252-001	AQUEOUS	K9013.D	102	98	99
0265-001	AQUEOUS	K9016.D	104	97	99

	Concentration	Aqueous
SMC1 = 1,2-Dichloroethane-d4	30 ppb	69-140
SMC2 = Toluene-d8	30 ppb	86-113
SMC3 = Bromofluorobenzene	30 ppb	82-112

Column to be used to flag recovery values

0018

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 0090-002

Batch No.: QVK0009

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20.0	0.0	17.6	88	70 - 145
Benzene	20.0	0.0	18.2	91	84 - 118
Trichloroethene	20.0	0.0	19.2	96	82 - 128
Toluene	20.0	0.5	17.7	86	79 - 118
Chlorobenzene	20.0	0.0	19.8	99	83 - 121

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	0.0	19.1		96	9		12	70 - 145
Benzene	0.0	17.8		89	2		6	84 - 118
Trichloroethene	0.0	18.6		93	3		8	82 - 128
Toluene	0.5	16.8		82	5		7	79 - 118
Chlorobenzene	0.0	18.8		94	5		6	83 - 121

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: 0090-002
Client ID: 8340MW-1B
Date Received: 01/04/2002
Date Analyzed: 01/15/2002
Data file: K8981.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
Chloromethane	20.0	0.0	15.2	76	0.0	18.3	91
Vinyl Chloride	20.0	0.0	15.9	79	0.0	15.5	77
Bromomethane	20.0	0.0	15.1	75	0.0	15.1	75
Chloroethane	20.0	0.0	15.3	77	0.0	15.1	75
Trichlorofluoromethane	20.0	0.0	16.1	80	0.0	15.0	75
Acrolein	200	0.0	130.0	65	0.0	113.0	57
1,1-Dichloroethene	20.0	0.0	17.6	88	0.0	19.1	96
Methylene Chloride	20.0	0.0	15.2	76	0.0	15.7	78
Acrylonitrile	200	0.0	167.5	84	0.0	163.0	81
trans-1,2-Dichloroethene	20.0	0.0	15.9	79	0.0	16.2	81
1,1-Dichloroethane	20.0	0.0	15.5	78	0.0	15.0	75
Chloroform	20.0	0.0	18.6	93	0.0	18.3	91
1,1,1-Trichloroethane	20.0	0.0	18.5	93	0.0	16.7	83
Carbon Tetrachloride	20.0	0.0	17.9	90	0.0	15.6	78
1,2-Dichloroethane(EDC)	20.0	0.0	17.3	86	0.0	18.4	92
Benzene	20.0	0.0	18.2	91	0.0	17.8	89
Trichloroethene	20.0	0.0	19.2	96	0.0	18.6	93
1,2-Dichloropropane	20.0	0.0	17.9	90	0.0	17.5	88
Bromodichloromethane	20.0	0.0	18.3	91	0.0	17.6	88
2-Chloroethylvinyl Ether	20.0	0.0	18.3	92	0.0	17.0	85
cis-1,3-Dichloropropene	20.0	0.0	18.5	93	0.0	16.5	82
Toluene	20.0	0.5	17.7	86	0.0	16.8	84
trans-1,3-Dichloropropene	20.0	0.0	19.1	96	0.0	17.0	85
1,1,2-Trichloroethane	20.0	0.0	19.2	96	0.0	17.9	89
Tetrachloroethene	20.0	0.0	18.5	92	0.0	16.0	80
Dibromochloromethane	20.0	0.0	19.8	99	0.0	17.6	88
Chlorobenzene	20.0	0.0	19.8	99	0.0	18.8	94
Ethylbenzene	20.0	0.0	18.7	94	0.0	16.6	83
total-Xylenes	60.0	0.0	56.7	95	0.0	48.8	81
Bromoform	20.0	0.0	21.0	105	0.0	17.2	86
1,1,2,2-Tetrachloroethane	20.0	0.0	20.5	103	0.0	18.0	90
1,3-Dichlorobenzene	20.0	0.0	20.3	101	0.0	16.9	84
1,4-Dichlorobenzene	20.0	0.0	20.4	102	0.0	16.9	85
1,2-Dichlorobenzene	20.0	0.0	20.0	100	0.0	16.6	83

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 0252-003

Batch No.: QVK0010

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20.0	0.0	19.0	95	70 - 145
Benzene	20.0	0.0	19.0	95	84 - 118
Trichloroethene	20.0	0.0	19.4	97	82 - 128
Toluene	20.0	0.0	18.1	91	79 - 118
Chlorobenzene	20.0	0.0	19.6	98	83 - 121

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	19.7	99	4	12	70 - 145
Benzene	0.0	18.5	93	2	6	84 - 118
Trichloroethene	0.0	19.2	96	1	8	82 - 128
Toluene	0.0	17.6	88	3	7	79 - 118
Chlorobenzene	0.0	19.3	97	1	6	83 - 121

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: 0252-003
Client ID: NJTA_6S_BTWN_GAC
Date Received: 01/11/2002
Date Analyzed: 01/15/2002
Data file: K8991.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
Chloromethane	20.0	0.0	15.4	77	0.0	15.2	76
Vinyl Chloride	20.0	0.0	17.6	88	0.0	16.4	82
Bromomethane	20.0	0.0	15.6	78	0.0	15.4	77
Chloroethane	20.0	0.0	16.0	80	0.0	15.0	75
Trichlorofluoromethane	20.0	0.0	18.1	90	0.0	18.0	90
Acrolein	200	0.0	126.0	63	0.0	118.0	59
1,1-Dichloroethene	20.0	0.0	19.0	95	0.0	19.7	99
Methylene Chloride	20.0	0.0	16.4	82	0.0	15.8	79
Acrylonitrile	200	0.0	168.5	84	0.0	165.4	83
trans-1,2-Dichloroethene	20.0	0.0	15.5	77	0.0	15.5	77
1,1-Dichloroethane	20.0	0.0	15.6	78	0.0	15.2	76
Chloroform	20.0	0.0	19.5	98	0.0	19.3	96
1,1,1-Trichloroethane	20.0	0.0	20.1	100	0.0	19.7	99
Carbon Tetrachloride	20.0	0.0	19.1	95	0.0	18.8	94
1,2-Dichloroethane(EDC)	20.0	0.0	19.4	97	0.0	19.1	95
Benzene	20.0	0.0	19.0	95	0.0	18.5	92
Trichloroethene	20.0	0.0	19.4	97	0.0	19.2	96
1,2-Dichloropropane	20.0	0.0	19.1	95	0.0	18.8	94
Bromodichloromethane	20.0	0.0	18.8	94	0.0	18.5	93
2-Chloroethylvinyl Ether	20.0	0.0	17.8	89	0.0	17.6	88
cis-1,3-Dichloropropene	20.0	0.0	18.1	90	0.0	17.6	88
Toluene	20.0	0.0	18.1	90	0.0	17.6	88
trans-1,3-Dichloropropene	20.0	0.0	18.5	93	0.0	18.2	91
1,1,2-Trichloroethane	20.0	0.0	19.3	97	0.0	18.9	95
Tetrachloroethene	20.0	0.0	17.9	90	0.0	17.4	87
Dibromochloromethane	20.0	0.0	18.4	92	0.0	18.4	92
Chlorobenzene	20.0	0.0	19.6	98	0.0	19.3	96
Ethylbenzene	20.0	0.0	19.4	97	0.0	18.9	95
total-Xylenes	60.0	0.0	56.0	93	0.0	54.8	91
Bromoform	20.0	0.0	17.8	89	0.0	18.0	90
1,1,2,2-Tetrachloroethane	20.0	0.0	19.4	97	0.0	19.6	98
1,3-Dichlorobenzene	20.0	0.0	19.3	96	0.0	19.1	96
1,4-Dichlorobenzene	20.0	0.0	19.1	96	0.0	19.1	95
1,2-Dichlorobenzene	20.0	0.0	18.7	93	0.0	18.5	93

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): K8969.D

Date Analyzed: 01/15/2002

Instrument ID: MSD_K

Time Analyzed: 10:06

	30UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	24 HOUR STD	502751		6.18		1163978		6.99		1093333		10.33	
	UPPER LIMIT	1005502		6.68		2327956		7.49		2186666		10.83	
	LOWER LIMIT	251375.5		5.68		581989		6.49		546666.5		9.83	
	LAB SAMPLE ID												
01	5-PPB-STD	488014		6.17		1162607		7.00		1090341		10.33	
02	100-PPB-STD	511341		6.18		1199274		7.00		1187052		10.33	
03	METHOD-BLK	644523		6.17		1500396		7.00		1394984		10.33	
04	LFB	653441		6.18		1516139		7.00		1371916		10.33	
05	0090-002MS	651295		6.18		1510206		7.00		1369850		10.33	
06	0090-002	638289		6.18		1483519		7.00		1349540		10.34	
07	0090-003	627542		6.18		1468284		7.00		1332641		10.34	
08	0090-004	620567		6.18		1463715		7.00		1321659		10.34	
09	0248-001	602944		6.18		1424088		7.00		1289325		10.34	
10	0248-002	597456		6.18		1409707		7.00		1279230		10.34	
11	0248-003	584540		6.18		1371328		7.00		1250719		10.33	
12	0248-004	569797		6.18		1356634		7.00		1234686		10.33	
13	0248-005	557667		6.18		1339390		7.00		1212316		10.33	
14	0252-001	547788		6.18		1306220		7.00		1192603		10.33	
15	0252-002	546519		6.18		1311998		7.00		1206457		10.34	
16	0252-003	547847		6.18		1305119		7.00		1191032		10.34	
17	0252-004	531850		6.18		1292284		7.00		1182719		10.33	
18	0252-005	529709		6.18		1267972		7.00		1156069		10.33	
19	0252-006	524699		6.18		1252251		7.00		1160916		10.34	
20	0257-001	520376		6.17		1249761		7.00		1157775		10.33	
21	0257-002	532219		6.18		1282040		7.00		1170498		10.33	
22	0257-003	527039		6.18		1268130		7.00		1158977		10.33	

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

0023

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): K8969.D

Date Analyzed: 01/15/2002

Instrument ID: MSD_K

ime Analyzed: 10:06

	30UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	24 HOUR STD	502751		6.18		1163978		6.99		1093333		10.33	
	UPPER LIMIT	1005502		6.68		2327956		7.49		2186666		10.83	
	LOWER LIMIT	251375.5		5.68		581989		6.49		546666.5		9.83	
	LAB SAMPLE ID												
23	METHOD-BLK	518746		6.18		1244248		7.00		1137348		10.33	
24	0258-001	510638		6.18		1229686		7.00		1133484		10.33	
25	0265-001	503181		6.18		1245658		6.99		1133438		10.34	
26	0265-002	508558		6.18		1227449		7.00		1136116		10.33	
27	0265-003	518538		6.18		1241488		7.00		1146585		10.33	
28	0265-004	508897		6.18		1237126		7.00		1126495		10.33	
29	0265-005	515154		6.17		1244348		7.00		1131871		10.33	
30	0265-006	518815		6.18		1243949		7.00		1139053		10.33	
31	TCLPMS	523088		6.17		1243142		7.00		1131660		10.33	
32	0252-003MS	524533		6.18		1238824		7.00		1140669		10.33	
33	0252-003MSD	524440		6.18		1244436		6.99		1144583		10.33	
34	0090-002MSD	542745		6.17		1295671		6.99		1178875		10.33	
35	0252-001	514123		6.17		1218679		7.00		1111171		10.33	
36	0265-001	492162		6.18		1173705		7.00		1067709		10.33	
37													
38													
39													
40													
41													
42													
43													
44													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

0024

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01-15-02\K9000.D Vial: 28
Acq On : 16 Jan 2002 1:51 Operator:
Sample : SOIL_DRUM,0258-001,A,0.1mL,100 Inst : K_MSD
Misc : GES/FLEET_BANK_-_WALL,01/11/02,01/11/02 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 9:49 2002 Quant Results File: KA011502.RES

Quant Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration
DataAcq Meth : KA011502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	510638	30.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	1229686	30.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	1133484	30.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	484612	30.60	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 102.00%			
41) Toluene-d8	8.67	98	1451368	29.29	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 97.63%			
59) Bromofluorobenzene	11.74	95	698086	29.42	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 98.07%			

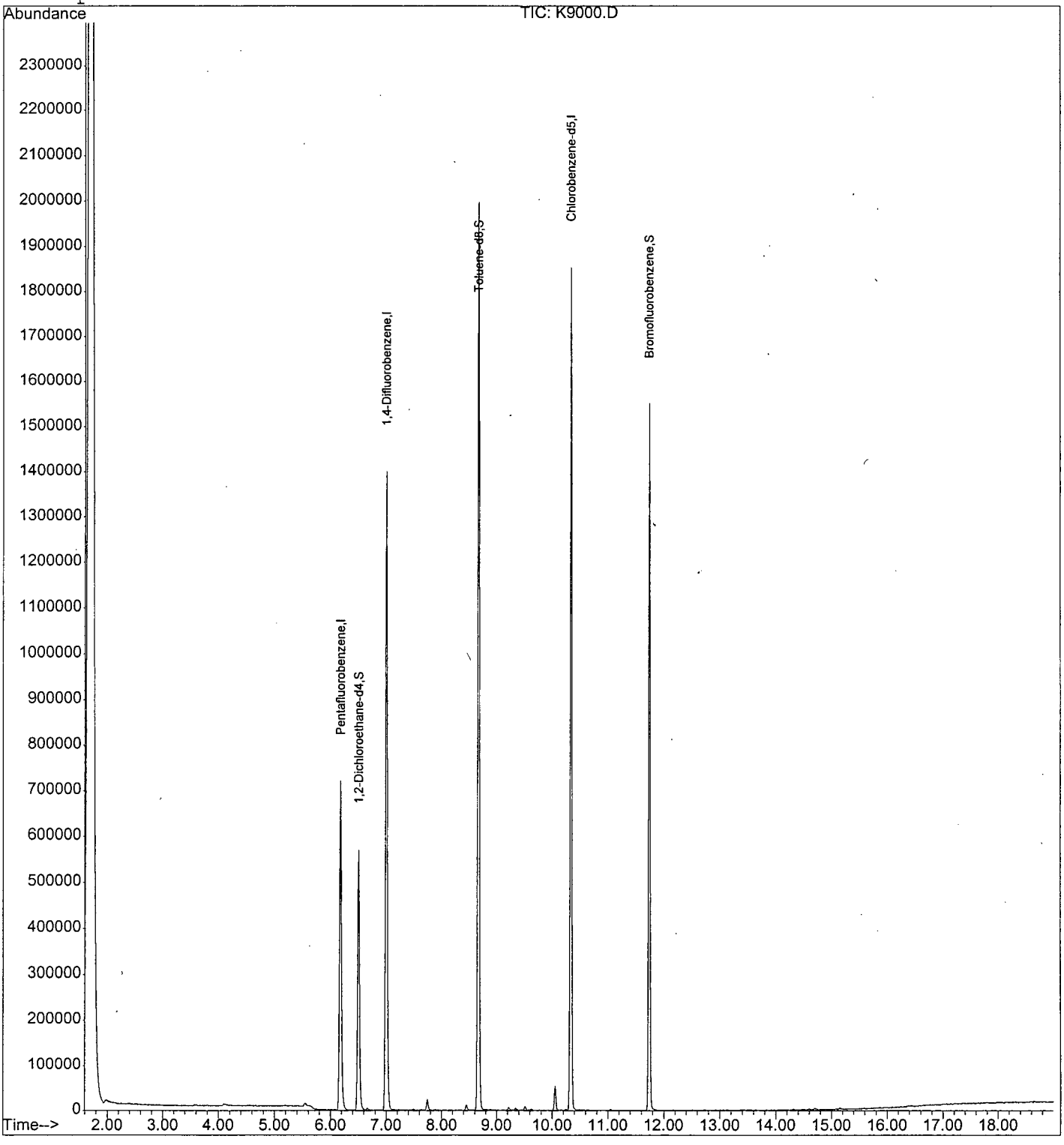
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\01-15-02\K9000.D Vial: 28
Acq On : 16 Jan 2002 1:51 Operator:
Sample : SOIL_DRUM,0258-001,A,0.1mL,100 Inst : K_MSD
Misc : GES/FLEET_BANK_-_WALL,01/11/02,01/11/02 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 9:49 2002 Quant Results File: KA011502.RES

Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration



0026

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01-15-02\K8999.D Vial: 27
Acq On : 16 Jan 2002 1:25 Operator:
Sample : TCLPMB,METHOD-BLK,A,0.1mL,100 Inst : K_MSD
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 9:49 2002 Quant Results File: KA011502.RES

Quant Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration
DataAcq Meth : KA011502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.18	168	518746	30.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	1244248	30.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	1137348	30.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.50	65	491283	30.54	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 101.80%			
41) Toluene-d8	8.66	98	1473815	29.40	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 98.00%			
59) Bromofluorobenzene	11.74	95	700005	29.40	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 98.00%			

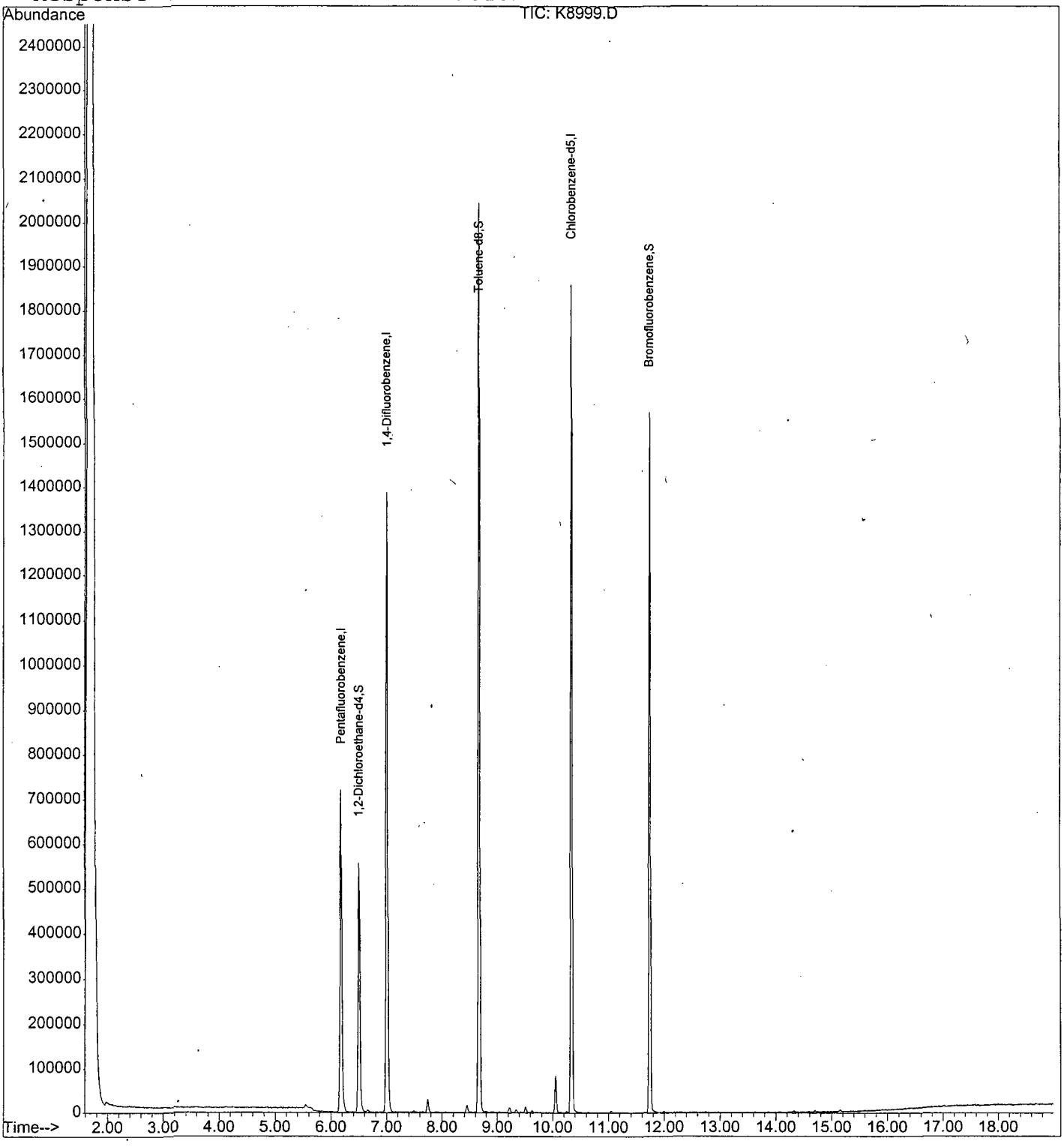
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\01-15-02\K8999.D Vial: 27
Acq On : 16 Jan 2002 1:25 Operator:
Sample : TCLPMB,METHOD-BLK,A,0.1mL,100 Inst : K_MSD
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 9:49 2002 Quant Results File: KA011502.RES

Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration



0028

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01-15-02\K8976.D Vial: 4
Acq On : 15 Jan 2002 15:17 Operator:
Sample : METHOD-BLK,METHOD-BLK,A,5mL,100 Inst : K_MSD
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 15 15:37 2002 Quant Results File: KA011502.RES

Quant Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration
DataAcq Meth : KA011502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	644523	30.00	UG	0.00
31) 1,4-Difluorobenzene	7.00	114	1500396	30.00	UG	0.00
50) Chlorobenzene-d5	10.33	117	1394984	30.00	UG	0.00
System Monitoring Compounds						
30) 1,2-Dichloroethane-d4	6.49	65	533387	26.69	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 88.97%			
41) Toluene-d8	8.66	98	1719330	28.44	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 94.80%			
59) Bromofluorobenzene	11.74	95	850225	29.12	UG	0.00
Spiked Amount 30.000	Range 80 - 120		Recovery = 97.07%			

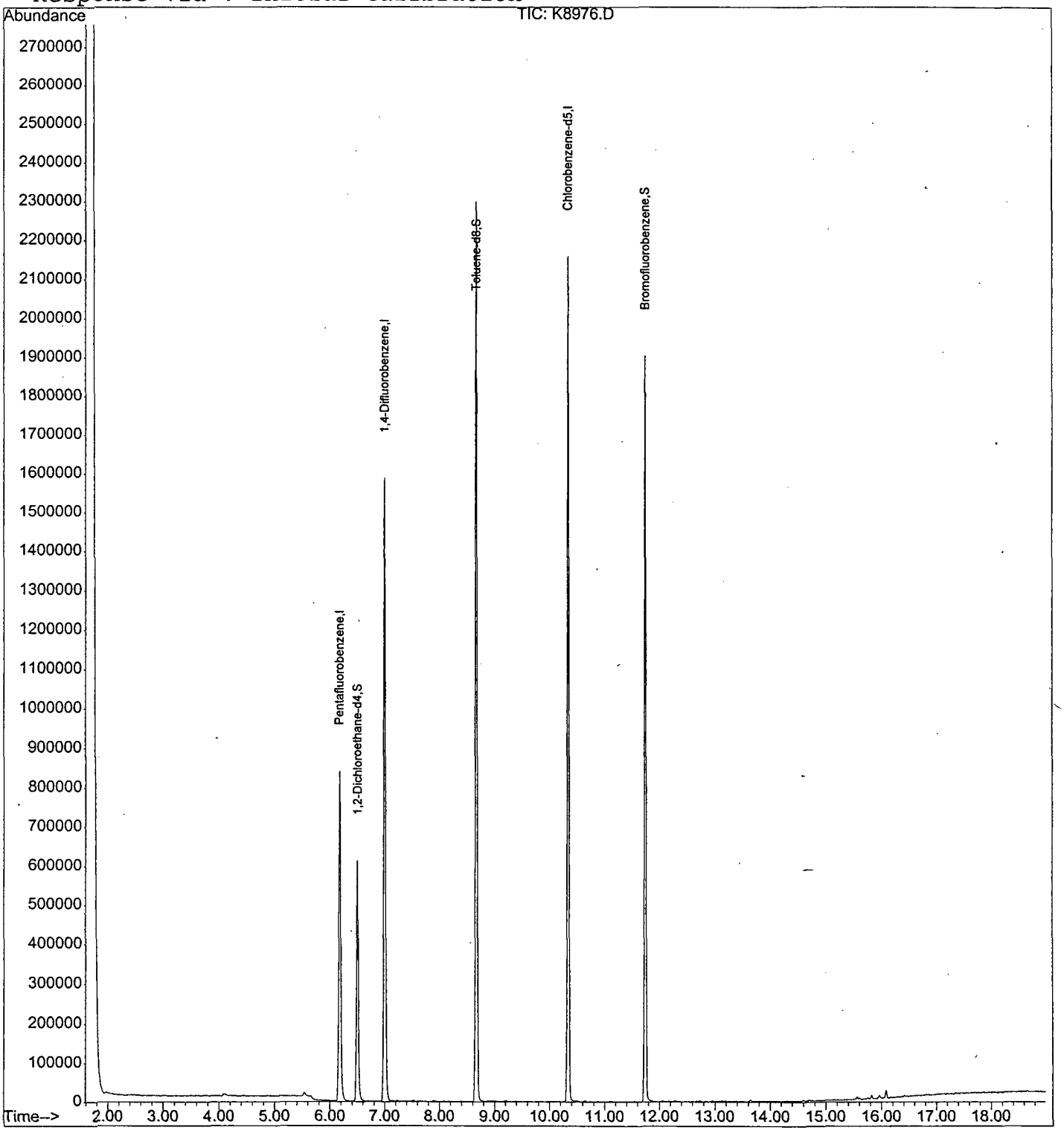
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\01-15-02\K8976.D Vial: 4
Acq On : 15 Jan 2002 15:17 Operator:
Sample : METHOD-BLK,METHOD-BLK,A,5mL,100 Inst : K_MSD
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 15 15:37 2002 Quant Results File: KA011502.RES

Method : C:\HPCHEM\1\METHODS\KA011502.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 624
Last Update : Tue Jan 15 14:59:48 2002
Response via : Initial Calibration



0030

Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
1/17/02

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil **Batch ID:** AP044-0002
Units: S-mg/Kg

Blank

Parameter	Method Blank	MDL	Analysis Date
Reactive Sulfide	ND	16.0	01/17/2002

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
Reactive Sulfide	0074-001	ND	ND	NC	NC

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
Reactive Sulfide	NA	NA	NA	NA	NA	75 - 125

The above blank result applies to the follow samples E02-

0074-001	0229-001
0074-001D	0258-001
0126-004	0342-001
0176-001	0348-001
0188-001	0330-001
0220-009	0331-001

++ = No Flash - Sample boiled at 100C
NA = Not Applicable
ND = Not Detected
NC = Non calculable RPD due to value less than the detection limit
No = Does Not Ignite
Yes = Sample Ignites

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Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
1/17/02

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil **Batch ID:** AP045-0002
Units: S-mg/Kg

Blank

Parameter	Method Blank	MDL	Analysis Date
Reactive Cyanide	ND	10.0	01/17/2002

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
Reactive Cyanide	0074-001	ND	ND	NC	NC

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
Reactive Cyanide	NA	NA	NA	NA	NA	75 - 125

The above blank result applies to the follow samples E02-

0074-001	0229-001
0074-001D	0258-001
0126-004	0342-001
0176-001	0348-001
0188-001	0330-001
0220-009	0331-001

++ = No Flash - Sample boiled at 100C
NA = Not Applicable
ND = Not Detected
NC = Non calculable RPD due to value less than the detection limit
No = Does Not Ignite
Yes = Sample Ignites

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Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
1/15/02

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil **Batch ID:** AP043-0010
Units: S-Yes/No

Blank

Parameter	Method Blank	MDL	Analysis Date
IGNITABILITY	NA	NA	01/15/02

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
IGNITABILITY	0229-001	NO	NO	NC	NC

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
IGNITABILITY	NA	NA	NA	NA	NA	75 - 125

The above blank result applies to the follow samples E02-

0229-001
0229-001D
0258-001
0285-001
0278-001

++ = No Flash - Sample boiled at 100C
NA = Not Applicable
ND = Not Detected
NC = Non calculable RPD due to value less than the detection limit
No = Does Not Ignite
Yes = Sample Ignites

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Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
1/15/02

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil
Units: SU

Batch ID: AP023-0009

Blank

Parameter	Method Blank	MDL	Analysis Date
pH	NA	NA	01/15/02

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
pH	0229-001	6.85	6.90	1	20

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
pH	NA	NA	NA	NA	NA	75 - 125

The above blank result applies to the follow samples E02-

0229-001
0229-001D
0258-001
0285-001
0278-001

++ = No Flash - Sample boiled at 100C
NA = Not Applicable
ND = Not Detected
NC = Non calculable RPD due to value less than the detection limit
No = Does Not Ignite
Yes = Sample Ignites

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Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company Name: ~~Fleet Bank~~ GES	
Address: ~~3670~~ 1340 Campus Pkwy Wall NJ 07719	
Telephone #: 732-919-0100	
Fax #: 732-919-0916	
Project Name: Fleet Bank-Wall	
Project Manager: Jeff Campbell	
Reference ID#: PO#:	

REPORTING

Fax to: Terri Evans	
Fax #: 732-919-0916	
Report to:	
Address: GES	
1340 Campus Parkway Wall, NJ 07719	
Invoice to:	
Address:	

Turnaround Time

Conditional / TPHC
24 hr* 48 hr 72 hr 1 wk NA Other:

Verbal/Fax
24 hr* 48 hr* 72 hr* 1 wk* 2 wk Other: Normal

Hard Copy
72 hr* 1 wk* 2 wk* 3 wk Other:

*Prior to sample arrival, Lab notification is required.

Report Format

Results Only
(Reduced)
Regulatory
SRP Disk**: dbf or wk1
Other:

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

Preservatives
1. HCL 3. HNO_3
2. NaOH 4. H_2SO_4
5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX
W - Waste SL - Sludge A - Aqueous
O - Oil X - Other S - Soil
GW - Groundwater SOL - Solid

Sample ID	Sample Description	Sampling Date	Time	am	pm	Matrix	# of Containers	Lab ID	TCLP VOs	RCRA Characteristics	Comments
	Soil Drum	1/11/02	1100	X		Soil	2	1	X	X	

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Concentrations Expected
LOW MED HIGH

Known Hazard: yes no
Describe:

CUSTODY LOG

	Signature	Date	Time	Signature
Relinquished by:	John Montgomery	1/11/02	1430	Received by: T. Evans
Relinquished by:	T. Evans	1/11/02	1600	Received by: Jim Lowell
Relinquished by:	Jim Lowell	1/11/02	1830	Received by: (GAL)
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 258

PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

CHAIN OF CUSTODY

Case No.: E02-258
Project : FLEET BANK - WALL
Client/Project: GES/FLEET BANK - WALL
Client Address:
Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall, NJ 07719
Date Received: 01/11/02
Time Received: 18:30
Report Format: Reduced

P.O. #: _____

Billing Address:
Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall, NJ 07719
Verbal Due: Jan 28
Report Due: Feb 4

# of Containers	2
IAL ID #	258-001
Client ID #	SOIL DRUM
Matrix	Soil
Sample Date	01/11/02
Sample Time	11:00
VO, TCLP	√
Sulfide, React.	√
Cyanide, React.	√
Ignite/FP	√
pH/Corrosivity	√
% Solids	√
Electronic Del.	√

Comments:

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **0258** CLIENT: Ces

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

CHAIN OF CUSTODY: COMPLETE / INCOMPLETE Comments:

Sample Bottles Intact:	✓	Comments:
Sample Labels Intact/ Correct:	✓	
Sufficient Sample Volume:	✓	
Correct bottles/ preservative:	✓	
Samples received in holding time/ prep time:	✓	
Headspace/ bubbles in voa samples:	✗ ✓	
Samples to be subcontracted:	✗ ✓	
Preserved Sample pH checked: (Excluding voa samples)	✓	

KEY
✓ = YES
✗ = NO
✓ = N/A

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL AR DATE 11/11/02

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE

REV 10/00

0037

Integrated Analytical Laboratories, LLC.

Laboratory Custody Chronicle

Case No : E02-258
Client : Groundwater & Environmental Services
Project : FLEET BANK - WALL

	GC/MS V		EXTRACT			ANALYSIS		
			DATE	TIME	INITIAL	DATE	TIME	INITIAL
VO, TCLP	258-001	S	—			1/15/02	9:00	BS
	WETCHEM							
Sulfide, React.	258-001	S	/			1/17		QK
Cyanide, React.	258-001	S	/			"		"
Ignite/FP	258-001	S	/			1/14		MB
pH/Corrosivity	258-001	S	/			"		"
% Solids	258-001	S	1/14		KC			
	AIR							
Electronic Del.	258-001	S	—			—		

REVIEW & APPROVAL: MC Bates
REMARKS :

Deep well Soil cuttings

Integrated Analytical Laboratories, LLC.

273 Franklin Road
Randolph, N.J. 07869

Phone: 973 361-4252
Fax: 973 989-5288

ANALYTICAL DATA REPORT

for

Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall,NJ 07719

Project Name: FLEET BANK - WALL
Lab Case Number: E01-8197

MDL = METHOD DETECTION LIMIT

TCLP Volatiles

Lab ID: 8197-001
Client ID: SOIL DRUM
Matrix-Units: Aqueous Leachate-mg/L
Percent Moisture: 100

Date Sampled: 11/20/01
Time Sampled: 11:00
Date Analyzed: 11/27/01

Compound	Conc	Q	MDL
Vinyl Chloride	ND		0.0465
1,1-Dichloroethene	ND		0.051
2-Butanone(MEK)	ND		0.0185
Chloroform	ND		0.026
Carbon Tetrachloride	ND		0.0245
1,2-Dichloroethane(EDC)	ND		0.028
Benzene	ND		0.0175
Trichloroethene	ND		0.028
Tetrachloroethene	ND		0.0225
Chlorobenzene	ND		0.034
1,4-Dichlorobenzene	ND		0.019

General Analytical

Lab ID: 8197-001
Client ID: SOIL DRUM
Percent Moisture: 13.8

Date Sampled: 11/20/01
Time Sampled: 11:00

Parameter	Result	MDL	Matrix-Units	Date Analyzed
Sulfide, Reactive	ND	18.6	Soil-mg/Kg	11/27/01
Cyanide, Reactive	ND	11.6	Soil-mg/Kg	11/27/01
Ignitability @ 142°F	NO	NA	Soil-Yes/No	11/26/01
Corrosivity as pH	5.51	NA	Soil-S.U.	11/26/01
% Solids	86.2	NA	Soil-%	11/26/01

DEC 12 2001

ND = Analyzed for but Not Detected at the MDL

All required protocols were followed during analyses. These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

The liability of Integrated Analytical Laboratories, LLC. is limited to the actual cost of the analyses performed.

ACCREDITED IN ACCORDANCE WITH nelac

IAL is a NELAC Certified Lab # 14751 and maintains certification in Connecticut # PH-0699, New York # 11402 and Florida # E87670

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Company Name:	GES, Inc.
Address:	1340 Campus Parkway Wall, NJ 07719
Telephone #:	732-919-0100
Fax #:	732-919-0916
Project Name:	Fleet Bank - Wall
Project Manager:	Jeff Campbell / John M
Reference ID#:	PO#:

REPORTING

Fax to:	
Fax #:	
Report to:	
Address:	same
	←
Invoice to:	
Address:	

0302046 / 12103

Turnaround Time

Conditional / TPHC

24 hr* 48 hr 72 hr 1 wk NA Other:

Verbal/Fax

24 hr* 48 hr* 72 hr* 1 wk* (2 wk) Other:

Hard Copy

72 hr* 1 wk* 2 wk* 3 wk Other: normal

*Prior to sample arrival, Lab notification is required.

Report Format

Results Only
~~Results~~
Regulatory
SRP Disk**: dbf or wk1
Other:

ANALYTICAL PARAMETERS / PRESERVATIVES

** Circle format required

Preservatives: 1. HCL 3. HNO_3 2. NaOH 4. H_2SO_4 5. MeOH (6. Other)

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX: W - Waste, SL - Sludge, A - Aqueous, O - Oil, X - Other, S - Soil, GW - Groundwater, SOL - Solid

Sample ID	Sample Description	Sampling Date	Sampling Time	am	pm	Matrix	# of Containers	Lab ID	TCLP VOCs	RCRA characteristics									Comments
									1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6	
Soil drum	—	11/20/01	1100	X		Soil	2	1	X	X									

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Concentrations Expected: (LOW) MED HIGH

Known Hazard: yes no

Describe:

CUSTODY LOG

	Signature	Date	Time	Signature
Relinquished by:	John Montgomery	11/20/01	1315	Received by: J. Evans
Relinquished by:	J. Evans	11/21/01	1530	Received by: Jim Lovell
Relinquished by:	Jim Lovell	11/21/01	1835	Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments:

Lab Case # 8197

PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

CHAIN OF CUSTODY

Case No.: E01-8197
Project : FLEET BANK - WALL
Client/Project: GES/FLEET BANK - WALL
Client Address:
Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall, NJ 07719
Date Received: 11/21/01
Time Received: 18:35
Report Format: Standard

P.O. #: _____

Billing Address:
Groundwater & Environmental Services
1340 Campus Pkwy
P.O. Box 1750
Wall, NJ 07719
Verbal Due: Dec 10
Report Due: Dec 17

# of Containers	2
IAL ID #	8197-001
Client ID #	SOIL DRUM
Matrix	Soil
Sample Date	11/20/01
Sample Time	11:00
VO, TCLP	√
Sulfide, React.	√
Cyanide, React.	√
Ignite/FP	√
pH/Corrosivity	√
% Solids	√

Comments:

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **8197** CLIENT: G-K S

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

CHAIN OF CUSTODY: COMPLETE / INCOMPLETE Comments: _____

Sample Bottles Intact:	✓	Comments:
Sample Labels Intact/ Correct:	✓	
Sufficient Sample Volume:	✓	
Correct bottles/ preservative:	✓	
Samples received in holding time/ prep time:	✓	
Headspace/ bubbles in voa samples:	✗	
Samples to be subcontracted:	(✓)	
Preserved Sample pH checked: (Excluding voa samples)	(✓)	

KEY
✓ = YES
✗ = NO
(✓) = N/A

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY: INITIAL GL DATE 11/21/01

CORRECTIVE ACTION REQUIRED: **YES** _____ (SEE BELOW) **NO** _____

CLIENT NOTIFIED: YES _____ Date/ Time: _____ NO _____

PROJECT CONTACT: _____

SUBCONTRACTED LAB: _____

DATE SHIPPED: _____

ADDITIONAL COMMENTS: _____

VERIFIED/TAKEN BY: INITIAL _____ DATE _____

REV 10/00

Integrated Analytical Laboratories, LLC.

Laboratory Custody Chronicle

Case No : E01-8197
Client : Groundwater & Environmental Services
Project : FLEET BANK - WALL

	GC/MS V		EXTRACT			ANALYSIS		
			DATE	TIME	INITIAL	DATE	TIME	INITIAL
VO, TCLP	8197-001	S	—			11/27/01	9:00	JB
	WETCHEM							
Sulfide, React.	8197-001	S	11/27	9:00	[illegible]	11/27	16:00	[illegible]
Cyanide, React.	8197-001	S		"			"	
Ignite/FP	8197-001	S				11/26		JB
pH/Corrosivity	8197-001	S						
% Solids	8197-001	S						

REVIEW & APPROVAL: [signature]
REMARKS :

Appendix 6

Monitoring Well Certification Form B

FLANNERY, WEBB & HANSEN, P.A.

CIVIL ENGINEERS • LAND SURVEYORS • SITE PLANNERS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL CONSULTANTS

1011.605
February 5, 2002

Groundwater and Environmental Services, Inc.
Monmouth Shores Corporate Park
1340 Campus Parkway
P.O. Box 1750
Wall, New Jersey 07719

Attn: Dene O'Connor

Re: FORMER SUMMIT BANK
#1322 SEA GIRT AVENUE
WALL TOWNSHIP, N.J.

G.E.S. No. 03-02046-XX-XX

Dear Dene:

The following list of well casing elevations are based on a Bench Mark with an elevation of 69.0'. All elevations were taken at a black mark on the top of the well casing.

MW#	PVC	RIM
3D	45.85	46.13
7	36.35	36.89

Field measurements were made on 02-04-02. An on-site Bench Mark (PK) was found with an elevation of 44.92. See attached well location for further details. Should you have any questions or require additional information, please do not hesitate to contact this office.

Sincerely,

John Crosio

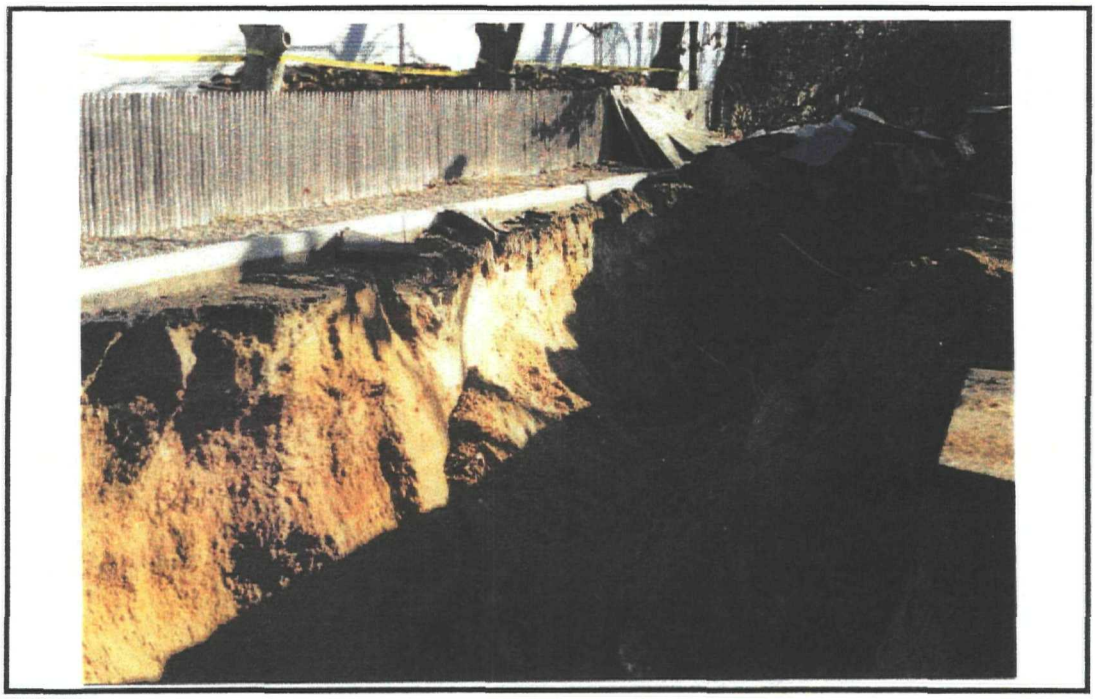
Doc: 1011605A

Appendix 7

Photographs

EXCAVATION PHOTOGRAPHS

Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township (Monmouth County), New Jersey



North view of excavation following removal of absorption tank and septic tank.



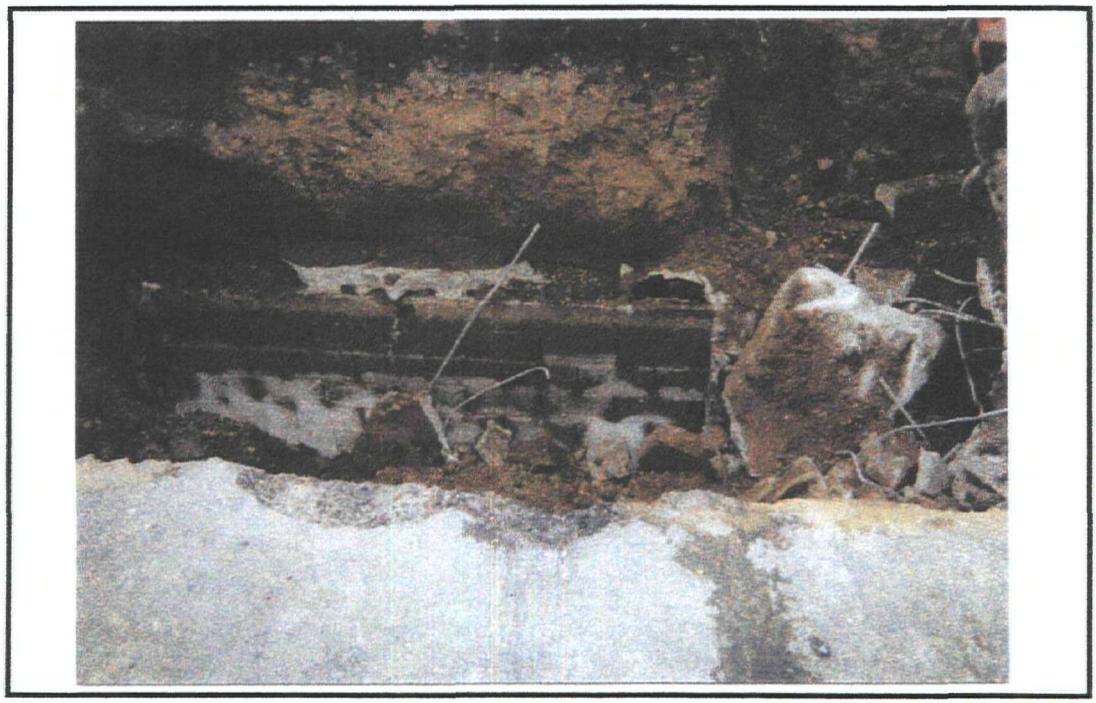
Northeast view of excavation sidewall showing alternating layers of sand and gravel.

EXCAVATION PHOTOGRAPHS

Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township (Monmouth County), New Jersey



North-northeast view of access manway to first chamber of absorption tank. Notice absence of concrete mortar between vertical joints of cinder blocks.



Northeast view of cinder block wall in first chamber of absorption tank. Notice absence of concrete mortar between vertical joints of cinder blocks.

EXCAVATION PHOTOGRAPHS

Fleet National Bank (formerly White Swan Dry Cleaners)
1322 Sea Girt Avenue
Wall Township (Monmouth County), New Jersey



West view of excavation. Cinder block separating first and second chambers of absorption tank. Dark-stained soil near surface resulting from naturally occurring organic roots.



East view of cinder block wall separating third and fourth chambers of absorption tank. Notice gaps between vertical joints of cinder blocks. Four-inch diameter cast iron pipe on right extending southwest towards building (not shown)

Appendix 8

Hazardous Waste Manifests & Transportation Logs

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **FLEET NATIONAL BANK**
Name of Facility: FLEET BANK BRANCH
Location: #1322 SEA GIRT AVENUE, WALL TWP., N.J.
Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number: **29-45875**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 3D**

Longitude: West **74°- 03'- 44.9"** Latitude: North **40°- 08'- 09.4"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **474739.54** East **614451.02**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **46.13** PVC **45.85**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

PREVIOUS DATUM

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE — **02-05-02** DATE

William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 (732) 797-3100
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **FLEET NATIONAL BANK**
Name of Facility: FLEET BANK BRANCH
Location: #1322 SEA GIRT AVENUE, WALL TWP., N.J.
Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number: **29-46075**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 7**

Longitude: West **74°- 03'- 38.1"** Latitude: North **40°- 08'- 09.4"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **474745.81** East **614975.26**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **36.89** PVC **36.35**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

PREVIOUS DATUM

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE — **02-05-02** DATE

William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 (732) 797-3100
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **FLEET NATIONAL BANK**
Name of Facility: FLEET BANK BRANCH
Location: #1322 SEA GIRT AVENUE, WALL TWP., N.J.
Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number: **29-45875**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 3D**

Longitude: West **74°- 03'- 44.9"** Latitude: North **40°- 08'- 09.4"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **474739.54** East **614451.02**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **46.13** PVC **45.85**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

PREVIOUS DATUM

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE: **02-05-02**

William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 (732) 797-3100
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **FLEET NATIONAL BANK**
Name of Facility: FLEET BANK BRANCH
Location: #1322 SEA GIRT AVENUE, WALL TWP., N.J.
Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number: **29-46075**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 7**

Longitude: West **74°- 03'- 38.1"** Latitude: North **40°- 08'- 09.4"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **474745.81** East **614975.26**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **36.89** PVC **36.35**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

PREVIOUS DATUM

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL



PROFESSIONAL LAND SURVEYOR'S SIGNATURE — **02-05-02** DATE

William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 (732) 797-3100
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

Please type or print. Do not staple.

P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Boundless Copy)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037605 Manifest Doc. No. 01001

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK 301 Carnegie Center ~~1322 SEA GIRT AVENUE~~
P.O.Box 3066 ~~SEA GIRT NJ 08750~~
Princeton, NJ 08540-3066

4. Generator's Telephone Number 609 987-3107

A. NYB9492282

B. Generator's ID 1322 Sea Girt Ave Sea Girt NJ 08750

5. Transporter 1 (Company Name) HORWITH TRUCKS, INC.

6. US EPA ID Number PAD147148788

C. State Transporter's ID AE50394 (PA)

D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID /

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number NYD049836799

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, UN2177 X HAZARDOUS WASTE, SOLID, n.o.s. (TETRACHLOROETHYLENE)(512157) 9,NA3077,III	001	CM	00030	Y	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. SOIL WITH TRACE
b. TETRACHLOROETHYLENE

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
MODEL City SR# 622852 scheduled for 1:12/01 Delivery Container # 30012
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY NUMBER-INFOTRAC: 800 535-5053
805544

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Charles R DeFiglia
Signature: [signature] For Fleet Bank
Mo. Day Year: 12 1 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William H Ford III
Signature: [signature]
Mo. Day Year: 12 1 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Mo. Day Year

19. Discrepancy Indication Space
actual Seal 35100P Item K-L

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Susan Abraham
Signature: [signature]
Mo. Day Year: 12 1 01

GENERATOR / TRANSPORTER / FACILITY

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91218 — 30 Cubic Yards

88554544 — Receipt #
XT-36926 PA — Trailer License Plate # and State
10:20 TT620 LB G 2
12/17/01
627852 — Service Req. #
512157 — Profile #
NYPA263 — Permit #
Hewitt Tcks — Transporter Name
535/309/30012 — Tractor/Trailer/Roll-off #
42720 LB G 1
11:27
12/17/01
35100 f
T. Nwative — Driver's Name
Fleet Bank — Generator

Scheduled Arrival: Date _____ Time _____

Actual Arrival: Date _____ Time In 9:49 Time Out 11:39

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials _____ Comments _____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross W. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify) _____

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

DIVISION OF SOLID & HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. N J R 0 0 0 0 0 0 1 3 7 6 1 0 — Manifest Doc. No. 9 0 1 1 0 1 2 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
FLEET BANK
~~1322 SEA GIRT AVENUE~~ 301 Carnegie Center
~~SEA GIRT NJ 08750~~ P.O. Box 2066
Princeton, NJ 08540-2066
4. Generator's Telephone Number 987-3007

A. NYB94[illegible]
B. Generator's ID ~~1322 SEA GIRT AVE~~ SAME ~~SEA GIRT, NJ 08750~~
C. State Transporter's ID AF5039402
D. Transporter's Telephone 610 251-2220
E. State Transporter's ID
F. Transporter's Telephone ( )
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-8231

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC. — 6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8
7. Transporter 2 (Company Name) — 8. US EPA ID Number:

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C
1550 BALMER ROAD
MODEL CITY, NY 14107
10. US EPA ID Number: N Y D 0 4 9 3 3 6 6 7 9

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, n.o.s. X (TETRACHLOROETHYLENE)(5121-57) 9, NA3077, III	001	CM	00030	Y	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
SOIL WITH TRACE S T
a. TETRACHLOROETHYLENE c.
b. d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information 8WJ4NJ4 Container # 449
PACKING SLIPS ATTACHED FOR CLARIFICATION EMERGENCY NUMBER-INFOTRAC:800 535-5053
MODEL City SR# 672853 Scheduled for Delivery on 12/13/01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: John Montgomery — Signature: John Montgomery for Fleet — Mo. 12 Day 11 Year 01

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: William H Ford III — Signature — Mo. 12 Day 11 Year 01
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name — Signature — Mo. Day Year

FACILITY
19. Discrepancy Indication Space: actual load 32080# Item K-L
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Printed/Typed Name: EDGEN CARTER — Signature: Edgen Carter — Mo. 12 Day 20 Year 01

COPY 1-DISPOSER-STATE--MAILED BY TSD FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

30
Cubic Yards

81554754 — Receipt #
XC-72815-PA — Trailer License Plate # and State
E5

622853 — Service Req. #
512157 — Profile #
PA-263 — Permit #
Horwith — Transporter Name
567/312/2449 — Tractor/Trailer/Roll-off #
Emil Soldenitz — Driver's Name
Fleet Bank — Generator

75800 LB G 1
09:34
12/20/01
43520 LB G 1
10:45
12/20/01
3208P

Scheduled Arrival: ____ (Date) ____ (Time)

Actual Arrival: ____ (Date) 1321 (Time In) 105 (Time Out)

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ✓ (Initials) ____ (Comments)

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross W. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarpin
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675063

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

Please type or print. Do not staple. (Hazardous Waste Manifest 5-00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037609 | Manifest Doc. No.: 02013 | 2. Page 1 of: 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number: 609 987-3107

A. NYB9675063

B. Generator's Site Address: SEA GIRT, NJ, 08750
1322 Sea Girt Ave

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.

6. US EPA ID Number: D A D 1 4 6 7 1 4 8 7 8

C. State Transporter's ID: TT 8022484

D. Transporter's Telephone: 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: N Y D 0 4 9 8 3 6 6 7 9

G. State Facility ID: N/A

H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
8155650
MDC SR# 623405 For Delivery on 12/18/01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 17 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Kemmerer | Signature: | Mo. 12 Day 17 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
actual load 40220# Item 12-001-DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ellen Carter | Signature: Ellen Carter | Mo. 12 Day 18 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

32 Cubic Yards

8155 4650 — Receipt #
TV80224 PA — Trailer License Plate # and State
623405 — Service Req. #
51 2157 — Profile #
PA263 — Permit #
Horwith — Transporter Name
534/185 — Tractor/Trailer/Roll-off #
Dave Kemmerer — Driver's Name
Fleet Bank — Generator

Scheduled Arrival: Date _____ Time _____

Actual Arrival: Date _____ Time In 1011 Time Out 1419

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials _____ Comments _____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In _____ Time Out _____ Initials _____ Comments _____

Stabilization
Time In _____ Time Out _____ Initials _____ Gross W _____ Comments _____

Landfill
Time In _____ Time Out _____ Initials _____ Comments _____

Other
Time In _____ Time Out _____ Initials _____ Comments _____

Aqueous Treatment
Time In _____ Time Out _____ Signature (NO Initials) _____ Comments _____

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify) _____

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Access Rec. Pink: Environmental Goldenrod: Driver

NYB9675054

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NJR000037609	01012	1	

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675054

B. Generator's ID SEA GIRT, NJ, 08750 1322 Sea Girt Ave 12/10

5. Transporter 1 (Company Name) HORWITH TRUCKS, INC.

6. US EPA ID Number PAD146714878

C. State Transporter's ID

D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID NJ4681P

F. Transporter's Telephone (856) 2682226

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049866799

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (512157) 9, NA3077, III	001	DT	44000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623405 For Delivery on 12/18/01 81554654

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	17	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Booker Riddick	Booker Riddick	12	21	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Actual load 47780P Item 12-001DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
E. CEDRICK CARTER	Eileen Carter	12	18	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

50 Cubic Yards

81554654 Receipt #
Y24081 PC Trailer License Plate # and State
623405 Service Req. # 512157 Profile #
Pa 363 Permit #
Horvath Transporter Name
85153 Tractor/Trailer/Roll-off #
Booker Driver's Name
Fleet Bank Generator

427807

Scheduled Arrival: 12 18 01 Date 1030 Time

Actual Arrival: 12 18 01 Date 10:18 Time In 1555 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: DK Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify)

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
✓ Overweight upon arrival 29

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675045

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

Please print or type. Do not staple.

(Hazardous Waste Manifest 3/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: N J R 0 0 0 0 3 7 6 0 5 | Manifest Doc. No.: 0 1 0 1 1 | 2. Page 1 of: 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number: 609 987-3107

A. NYB9675045

B. Generator's Site Address: SEA GIRT, NJ, 08750
1322 Sea Girt Ave.

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.
6. US EPA ID Number: P A D 1 4 5 1 4 8 7 8
C. State Transporter's ID: PA KCSXXX
D. Transporter's Telephone: 610 261-2220

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number: N Y D 0 4 9 1 3 6 6 7 9
G. State Facility ID: N/A
H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121571-9, NA3077, ITI	D T		44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
8/5547135
MDC SR# 623405 FOR Delivery on 12/18/01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 17 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES FISHER | Signature: [signature] | Mo. 12 Day 19 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
actual Rec'd 37880P w/t-est-gn resolved Item 12-001-DT

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ellen Carter | Signature: Ellen Carter | Mo. 12 Day 19 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) [illegible]-8352

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

9.410 — 30 Cubic Yards

81554735 — Receipt #
PA-X658821 — Trailer License Plate # and State
2.2 — 12/13 — 78790 LB G 2
623405 — Service Req. #
51251 — Profile #
263 — Permit #
12/18/01
Horwith — Transporter Name
530-168 — Tractor/Trailer/Roll-off #
32300 LB G 1
J Fisher — Driver's Name
Fleet Bay U — Generator
14:03
12/18/01 37880P

Scheduled Arrival: ____ Date ____ Time

Actual Arrival: ____ Date 1201 Time In 1420 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In ____ Time Out ____ Initials ____ Comments ____

Stabilization
Time In ____ Time Out ____ Initials ____ Gross Wt. ____ Comments ____

Landfill
Time In ____ Time Out ____ Initials ____ Comments ____

Other
Time In ____ Time Out ____ Initials ____ Comments ____

Aqueous Treatment
Time In ____ Time Out ____ Signature (NO Initials) ____ Comments ____

Facility Personnel (please initial)

____	Smoking or eating in prohibited areas	____	Leaving truck unattended
____	Failure to obey instructions of facility personnel	____	Failure to display overweight flag
____	Failure to wear appropriate PPE	____	Improper tarping or dataprin
____	Unsafe driving practices	____	Overweight upon arrival
____	Other (specify) ____		

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

Pink: Environmental Goldenrod: Driver

NYB9675036

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5007)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037609 Manifest Doc. No. 01006

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2065
PRINCETON NJ. 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675036

B. Generator's ID SEA GIRT, NJ, 08750
1322 SEA GIRT AVE

5. Transporter 1 (Company Name) HORWITH TRUCKS, INC.

6. US EPA ID Number PAD146714878

C. State Transporter's ID X5-82440 PA

D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III	DT		44000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623405 For Delivery on 12/18/01 8155472

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name: John Montgomery Signature: John Montgomery Mo. 12 Day 17 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eric McDonald Signature: Eric McDonald Mo. 12 Day 17 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Actual load 48360 P Item 12. = 001, DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: EILEEN CARTER Signature: Eileen Carter Mo. 12 Day 18 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

SL
Cubic Yards

81554672
Receipt #

XS-82440
Trailer License Plate # and State

623405
Service Req. #

51215?
Profile #

PA 263
Permit #

Horwith transport
Transporter Name

556 143
Tractor/Trailer/Roll-off #

Eric McDonald
Driver's Name

Fleet Bank Princeton NJ
Generator

Scheduled Arrival: _____ Date _____ Time

Actual Arrival: _____ Date 1127 Time In 1642 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: _____ Initials _____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify _____

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify) _____

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

✓ Overweight upon arrival

270

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675126

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037609 Manifest Doc. No. 01007

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675126

B. Generator's ID SEA GIRT, NJ, 08750
1322 SEA GIRT AVE. 24

C. State Transporter's ID 3-584 (NJ)

D. Transporter's Telephone 908 354-0210

5. Transporter 1 (Company Name) CLEAN VENTURE, INC.

6. US EPA ID Number NJ0000027193

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(512157) 9, NA3077, III	01	T	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
81554637
MDC SR# 623405 For delivery on 12/18/01 plate # T66 MGN

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name: John Montgomery
Signature: John Montgomery
Mo. 12 Day 17 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jeffrey Clark
Signature:
Mo. 12 Day 17 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Mo. Day Year

FACILITY

19. Discrepancy Indication Space
actual load 38580 P
Item 12-001-DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Mo. 12 Day 18 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Please immediately call the NYS Department of Environmental Conservation (518) 457-7362 and the National Response Center (800) 424-8802 in case of an emergency involving this shipment.

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

42 Cubic Yards

8554637 — Receipt #
T66 man - NS — Trailer License Plate # and State
27
623405 — Service Req. #
512157 — Profile #
NS-396 — Permit #
Clean Venture — Transporter Name
141 / NT-501 — Tractor/Trailer/Roll-off #
Jeff Clark — Driver's Name
Fleet Bank — Generator

T4000 LB (2
10:42
12/18/0135429 LB (1
13:46
12/18/01 38530P

Scheduled Arrival: ____ Date ____ Time

Actual Arrival: ____ Date 753 Time In 1400 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross W. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or clamping
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Waste Bay pa[illegible])

Driver's Comments

White: Accounting Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 2/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. N J R 0 0 0 0 3 7 6 0 9 | Manifest Doc. No. 31 808 | 2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
501 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675135

B. Generator's ID SEA GIRT, NJ, 08750
1322 SEA GIRT AVE.

5. Transporter 1 (Company Name) CLEAN VENTURE, INC.

6. US EPA ID Number N J 0 0 0 0 0 2 7 1 9 3

C. State Transporter's ID [illegible]

D. Transporter's Telephone 908 334-0210

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR	a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(512157) 9, NA3077, III	0 1	T	44000	P	EPA F002 / STATE
	b.					EPA / STATE
	c.					EPA / STATE
	d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T.

K. Handling Codes for Wastes Listed Above
a. L c. b. d.

15. Special Handling Instructions and Additional Information
NJ Decal # 086469
81554669
MDC SR# 623405 FOR 12/18/01 Delivery TRIMONT DT-2

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 17 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Richard Akens | Signature: [signature] | Mo. 12 Day 17 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Actual read 36220P Weight estimated. Generator resolved Item 12-001 DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DENISE KLOSA | Signature: Denise Klosa | Mo. 12 Day 18 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

49

Cubic Yards

8155 4169
Receipt #

T41 M9N NJ
Trailer License Plate # and State
NJ 396

Service Req. #
Profile #
Permit #
CLEAN VENTURE DK
534169 D02
Transporter Name
Tractor/Trailer/Roll-off #

Fred Wellins
Driver's Name

RECT BANK
Generator

Scheduled Arrival: Date Time

Actual Arrival: Date 12-02 Time In 1604 Time Out

36220P

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: JK
Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out 1610 | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials. | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

	Smoking or eating in prohibited areas		Leaving truck unattended
	Failure to obey instructions of facility personnel		Failure to display overweight flag
	Failure to wear appropriate PPE		Improper tarping or detarpin
	Unsafe driving practices		Overweight upon arrival
	Other (specify)		

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675072

Please type or print. Do not staple.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 8-00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037600 — Manifest Doc. No.: 01017

2. Page 1 of: 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number: 609 987-3107

A. NYB9675072

B. Generator's ID: SEA GIRT, NJ, 08750
1322 SEA GIRT AVE 2121

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.

6. US EPA ID Number: PAD146148788

C. State Transporter's ID: XT-36913 (PA)

D. Transporter's Telephone: 610 261-2220

7. Transporter 2 (Company Name):

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: NYD049136779

G. State Facility ID: N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III	XX1	DT	EST 44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with TCE
Tetrachloroethylene S,T

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
PJS#733
MDC SR# 623430 For Delivery on 12/19/01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal current ly available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Montgomery — Signature: John Montgomery — Mo. 12 Day 19 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: THOMAS A DOOLEY — Signature — Mo. 12 Day 19 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space
actual rec'd 36940P

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: EILEEN CARTER — Signature — Mo. 12 Day 19 Year 01

COPY T-DISPOSER STATE - MAILED BY TSD FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

General Information
New York State regulation requires proper completion of all information. Use pencil and backprint. Violation is punishable under New York State law and federal law. All generators are responsible for the safe management of waste they generate, including any on-site treatment, storage or disposal. Liability is considered a violation.

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

51:00

20 Cubic Yards

8554433 Receipt #
X136913 Trailer License Plate # and State
90

623430 Service Req. #
E1257152 Profile #
PA263 Permit #

65420 L2 G 2
12:02
12/19/01

Harwick Transporter Name
544223 Tractor/Trailer/Roll-off #

32520 L2 G 1
14:02
12/19/01 369407

Jon Dooley Driver's Name
Fleet Bank Generator

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 1148 Time Out 1411

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☒ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt.	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or dataplin
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675081

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCMM

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037919 Manifest Doc. No. 801015

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3187

A. NYB9675081

B. Generator's ID SEA GIRT, NJ. 08750
1322 SEA GIRT AVE

5. Transporter 1 (Company Name) Buffalo Fuel Corp.
HOUGHTON TRANS. INC.

6. US EPA ID Number NYR000045724

C. State Transporter's ID NY 2332

D. Transporter's Telephone 585 691-2228

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY. 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121571) 9, NA3077, III	001	DT	EST 20 TON	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Soil with TCE

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623430 For Delivery on 12/19/01 2155-4714

16. **GENERATOR'S CERTIFICATION:** *I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are* classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
RAY CARPIOTTO	Ray Carpiotto	12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Total Rec'd 46460 lbs 12-21-01

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
HILTON CARTER	Hilton Carter	12	21	01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91386

52 Cubic Yards

2055#714	23384, N.Y.	18
Receipt #	Trailer License Plate # and State	
623486	57477	9A-545
Service Req. #	Profile #	Permit #
BUFFALO FUEL CORP	453 FD209	
Transporter Name	Tractor/Trailer/Roll-off #	
RAY CAMPIGOTTO	LEWIS ENVIROMENTAL	
Driver's Name	Generator	

Scheduled Arrival: 12/19/01 (Date) 10:00 (Time)

Actual Arrival: _____ (Date) 7:51 (Time In) _____ (Time Out)

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: _____ (Initials) _____ (Comments)

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt.	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (please initial)

_____	Smoking or eating in prohibited areas	_____	Leaving truck unattended
_____	Failure to obey instructions of facility personnel	_____	Failure to display overweight flag
_____	Failure to wear appropriate PPE	_____	Improper tarping or detarpin
_____	Unsafe driving practices	_____	Overweight upon arrival
_____	Other (specify) _____		

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts. Rec. Pink: Facility Gold: Driver

DUMPS • ROLL-OFFS • VAC TANKERS • BULK TANKERS • BOX VANS • FLATBEDS • LOWBOYS

LOAD #

TERMINAL #

WORK ORDER #

BUFFALO FUEL CORP.

4870 Packard Rd.
Niagara Falls, New York 14304
(800) 677-8002

INVOICE

FREIGHT BILL NO. (OFFICE USE ONLY)

PICK UP DATE	TRUCK OWNER	DELIVERY DATE	TRUCK OWNER

DRIVER	DRIVER NO.	DRIVER	DRIVER NO.

TRUCK NO.	TRAILER NO.	TRUCK NO.	TRAILER NO.

SHIP FROM

NAME

STREET

CITY STATE ZIP CODE

SHIP TO

NAME

STREET

CITY STATE ZIP CODE

ADDITIONAL INFO./EQUIP. NEEDED

ADDITIONAL INFO./EQUIP. NEEDED

PRODUCT CODE	COMMODITY / MATERIAL DESCRIPTION	QUANTITY	LSS ☐ TONS ☐ GALLONS ☐ YARDS ☐	ROLL OFF BOX >	SPOTTED: PICKED UP:

PICK UP

ARRIVAL TIME ____ AM/PM RELEASE TIME ____ AM/PM

TRAILER EMPTY UPON ARRIVAL (If not, explain below) ☐ YES ☐ NO

DIP MEASUREMENT (Tankers Only) _____ INCHES

COMMENTS: (EXPLAIN ALL DELAYS AND / OR LOADING TIME) _____

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X
DRIVER'S SIGNATURE

X
SHIPPER'S SIGNATURE FIRM

DELIVERY

DRIVER _____ DATE _____

ARRIVAL TIME ____ AM/PM RELEASE TIME ____ AM/PM

TRAILER EMPTY UPON DEPARTURE (If not, explain below) ☐ YES ☐ NO

COMMENTS: (EXPLAIN ALL DELAYS AND / OR LOADING TIME) _____

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

X
DRIVER'S SIGNATURE

X
CONSIGNEE'S SIGNATURE FIRM

BEGINNING HUBOMETER

ENDING HUBOMETER

MAJOR CITIES	MAJOR ROUTES
START Loading Origin	VIA:
TO:	VIA:
TO:	VIA:
TO:	VIA:
TO:	VIA:

N.Y.S. TOLL CARD #:

M.A. TOLL CARD #:

RATE	$
HOLDING TIME HRS. @ /HR.	
VACUUM TIME HRS @ /HR.	
RENTAL DAYS @ /DAY	
BAG LINER ☐ YES ☐ NO	
OTHER CHGS.	
SALES TAX	
TRANSPORT TAX	
TOTAL AMOUNT	

REV. 12-00

NYB9675099

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

F37226 F22726

CCHM

Please type or print. Do not staple. (Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
	NJR000037609 / 010116		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675099
B. Generator's ID SEA GIRT NJ, 08750 1522 SEA GIRT AVE
C. State Transporter's ID NY 5301A1
D. Transporter's Telephone 800 237-2120
E. State Transporter's ID
F. Transporter's Telephone ( )
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-8231

5. Transporter 1 (Company Name) Page trans-portation ETC
6. US EPA ID Number NYD986969947
7. Transporter 2 (Company Name)
8. US EPA ID Number
9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number NYD049836799

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(312157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
8155472?
MDC SR# 623430 FOR 12/19/01 Delivery

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year
		12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
John JANKOWSKI		12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Natural Load 43160? Ltr. 12-001-DX

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
EILEEN CARTER		12	19	01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

In case of emergency or spill immediately call the national response center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91402

5937 29 Cubic Yards

F3726

Receipt # 3155472

Trailer License Plate # and State 530141 NY

26

Service Req. # 623420 Profile # 512157 Permit #

Transporter Name Fleet Fuel Tank Tr. 673-4911

Driver's Name John Trawicki Generator Fleet Fuel

Scheduled Arrival: Date Time

Actual Arrival: Date Time In 1120 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675027

Please type or print. Do not staple.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

F372 CON

(Hazardous Waste Manifest 5/00)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037509 Manifest Doc. No.: 01005

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number (609 987-3107

A. NYB9675027

B. Generator's EPA ID: NJ, 08750
1322 Sea Girt Ave.

5. Transporter 1 (Company Name): ~~HOGANSON TRUCKING INC~~ Page ETC

6. US EPA ID Number: NYD099869947

C. State Transporter's ID: NYST24-3M

D. Transporter's Telephone: 800) 253-2126

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: NYD049836679

G. State Facility ID: N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III	01		44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with TTACC Tetrachloroethylene ET c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
62330 S/154790
MIC SR# ~~62345~~ For Delivery on 12/19/01

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Printed/Typed Name	Signature	Mo. Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo. Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo. Day Year

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91403

27

Cubic Yards

Receipt # | Trailer License Plate # and State

Service Req. # | Profile # | Permit #

Transporter Name | Tractor/Trailer/Roll-off #

Driver's Name | Generator

Scheduled Arrival: Date | Time

Actual Arrival: Date | Time In | Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials | Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675108

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	NJR000037609	01617	1	

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675108

B. Generator's Site Address
SEA GIRT, NJ, 08750
1322 Sea Girt Avenue

5. Transporter 1 (Company Name)
HORWITH TRUCKS, INC.

6. US EPA ID Number
PAD146714878

C. State Transporter's ID X543537 (PA)

D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836679

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III	DT		44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with trace Tetrachloroethylene, S T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SRF 623430 FOR 12/19/01 Delivery P155472(

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR	Printed/Typed Name	Signature	Mo.	Day	Year
	John Montgomery	John Montgomery	12	18	01

TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials				
	Printed/Typed Name	Signature	Mo.	Day	Year
	Charles Stecker		12	18	01
	18. Transporter 2 Acknowledgement of Receipt of Materials				
	Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY	19. Discrepancy Indication Space	
	actual read 41980 P	Item 12-001-DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
EILEEN CARTON	Eileen Carton	12	19	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

50 Cubic Yards

8155472 — Receipt #
YS 42837 PA — Trailer License Plate # and State
623430 — Service Req. #
S1215 — Profile #
Pa 263 — Permit #
Horvath — Transporter Name
528-165 — Tractor/Trailer/Roll-off #
C. STECKER — Driver's Name
FLEET BANK — Generator

75980 LB G 2
11:03
12/18/01
33880 LB G 1
13:36
12/19/01
41980P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 1032 Time Out 1348

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarpin
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675117

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
	N I R 0 0 0 3 7 6 8	61018		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675117
B. Generator's ID SEA GIRT, NJ, 08750 1322 Sea Girt Ave
C. State Transporter's ID XS23705
D. Transporter's Telephone 610 261-2220
E. State Transporter's ID
F. Transporter's Telephone ( )
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-8231

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.
6. US EPA ID Number: P A D 1 4 6 7 1 4 8 7 8
7. Transporter 2 (Company Name):
8. US EPA ID Number:
9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER ROAD MODEL CITY NY, 14107
10. US EPA ID Number: N Y D 0 4 5 3 5 6 7 9

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, PGII		DT	44000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SAF 6234/05 6234/30 for delivery on 12/19/01 8155486

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	18	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Michael J. Fox	Michael J. Fox	12	18	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Actual Rec'd 43840# ~~Item 12 = 001, DT~~

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
ALLEN CARTER	Allen Carter	12	20	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc
Model City, NY

24

Cubic Yards

77680 LB G Z

11:19

12/21/01

8155488 — Receipt #

X5-83205-PA — Trailer License Plate # and State

23405 — Service Req. #

512157 — Profile #

NY-4263 — Permit #

Hercules — Transporter Name

202178 — Tractor/Trailer/Roll-off #

Mike Fox. — Driver's Name

Fleet Bank — Generator

33840 LB P

13:45

12/21/01 43840P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 1020 Time Out 1355

Arrived during Blackout? Y / N — Notified DEC? Y / N

Receiving: Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In ____ Time Out ____ Initials ____ Comments ____

Stabilization

Time In ____ Time Out ____ Initials ____ Gross W. ____ Comments ____

Landfill

Time In ____ Time Out ____ Initials ____ Comments ____

Other

Time In ____ Time Out ____ Initials ____ Comments ____

Aqueous Treatment

Time In ____ Time Out ____ Signature (NO Initials) ____ Comments ____

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas

____ Failure to obey instructions of facility personnel

____ Failure to wear appropriate PPE

____ Unsafe driving practices

____ Other (specify) ____

____ Leaving truck unattended

____ Failure to display overweight flag

____ Improper tarping or detarpin

____ Overweight upon arrival

Security Guard Initials: ____
(indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

Please type or print. Do not staple. P.O. BOX 12820, Albany, New York 12212 (Hazardous Waste Manifest Side)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037609
Manifest Doc. No.:
2. Page 1 of 1
Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675324
B. Generator's ID 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name): Hawk Trucking
6. US EPA ID Number: PAD114618
C. State Transporter's ID: XG70657PA
D. Transporter's Telephone: 610 261 2220

7. Transporter 2 (Company Name):
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number: NYD049836799
G. State Facility ID: N/A
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III	001	DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Soil With TRACE Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623430 FOR DELIVERY ON 12/19/01
81554722

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Montgomery
Signature: John Montgomery
Mo. Day Year: 12 18 01

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Peter Wittmann
Signature:
Mo. Day Year: 12 18 01

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Mo. Day Year:

19. Discrepancy Indication Space
qty adj
actual/rec 38140 Lan resolved gn. Omitted dur-TO

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: EILEEN CARTER
Signature: Eileen Carter
Mo. Day Year: 12 19 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

50
Cubic Yards

81554722 — Receipt #
XF70657 Pa — Trailer License Plate # and State
24
623430 — Service Req. #
51215 — Profile #
NY#A263 — Permit #
Hercules — Transporter Name
543 1183 — Tractor/Trailer/Roll-off #
Pete Leithmanor — Driver's Name
Fleet Bank — Generator

Scheduled Arrival: 12-19-01 — Date — Time
Actual Arrival: — Date — 1032 Time In — 1354 Time Out

12/18/01 38140P

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: e — Initials — Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation
☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

CS

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify) _____

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675333

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 9/00)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037605 Manifest Doc. No. 100014

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675333

B. Generator's ID 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name) Buffalo Fuel Corp
6. US EPA ID Number NYR000154571

C. State Transporter's ID NYG4161N

D. Transporter's Telephone (716) 207-9079

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number NYD049136799

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S121S7) 9, NA3077, III	1	DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. soil with TRACE Tetrachloroethylene, S.T.
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623430 FOR DELIVERY ON 12/19/01

8155732

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	21	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
John Perkins		12	21	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
actual rec'd 43340 P Item B-001

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Elton Carter	Elton Carter	12	19	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

Cubic Yards

81554732 — Receipt #
640611-DE — Trailer License Plate # and State
623430-8 — Service Req. #
5125 — Profile #
Permit #
Bulk Rail Car — Transporter Name
EBX-68406 — Tractor/Trailer/Roll-off #
Driver's Name
Fleet Bank — Generator

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 1133 Time Out 1410

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt.	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarping
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675342

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

CCNM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000013769 | Manifest Doc. No. 99015 | 2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3197

A. NYB9675342
B. Generator's ID 1322 SEA GIRT AVENUE SEA GIRT, NJ, 08750

5. Transporter 1 (Company Name) Buffalo Fuel Corp
6. US EPA ID Number NYR000045732
C. State Transporter's ID NY207174
D. Transporter's Telephone (800) 208 9097

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number NYD049836679
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(5121S7) 9, NA3077, III		DT	2.5T 44000 P		EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 523430 FOR DELIVERY ON 12/19/01
8155473 1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR — Printed/Typed Name | Signature | Mo. Day Year

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name EDWARD C KOWAL | Signature | Mo. Day Year 12 18 01
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY
19. Discrepancy Indication Space
actual pwd 46660 T — Tm 12-001
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name EILEEN CARTER | Signature | Mo. Day Year 12 19 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91406 — 46 40 — Cubic Yards

28

Receipt # 6253473.1 — Trailer License Plate # and State 207177A N.Y.

Service Req. # 623430-9 — Profile # 51217 — Permit # 7A545

Transporter Name BFC — Tractor/Trailer/Roll-off # 6840-6840A

Driver's Name Ed KONATH — Generator FLEET BANK SEA GIFT NJ.

11:54 — 12/19/01 — 13:54 — 12/19/01 — 46660 P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 1132 Time Out ____

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

	Time In	Time Out	Initials	Comments
Laboratory				
Stabilization				Gross Wt. 11
Landfill				
Other				
Aqueous Treatment			Signature (NO Initials)	

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas

____ Failure to obey instructions of facility personnel

____ Failure to wear appropriate PPE

____ Unsafe driving practices

____ Other (specify)

____ Leaving truck unattended

____ Failure to display overweight flag

____ Improper tarping or detarpin

____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

+14

not staple.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCNH

(Hazardous Waste Manifest 5/00)

ORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
NJR000037689	001616		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ. 08540
4. Generator's Telephone Number 609 987-3187

A. NYB9675414

B. Generator's ID 1 SEE SEA GIRT AVENUE SEA GIRT NJ. 08750

C. State Transporter's ID NY46212N

D. Transporter's Telephone (800) 368 9077

E. State Transporter's ID

F. Transporter's Telephone ( )

5. Transporter 1 (Company Name) Buffalo Fuel Corp

6. US EPA ID Number NYR000045714

7. Transporter 2 (Company Name)

8. US EPA ID Number

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836778

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(5121577) 9, NA3077, III		T	40000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE S.T c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
PCC SP# 623430 FOR DELIVERY ON 12/19/01

8135473B

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Mo. Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
actual wgt 56300# Tim 12-001

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Ellen Carter | Signature Ellen Carter | Mo. 12 Day 19 Year 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91413

JK
Cubic Yards

1554138 — Receipt #
4S222N / NY — Trailer License Plate # and State
34

Service Req. # — Profile # — Permit #

Transporter Name — Tractor/Trailer/Roll-off #

Driver's Name — Generator

Scheduled Arrival: Date 12-8-11 Time 12--

Actual Arrival: Date — Time In 1310 — Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials — Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In — Time Out — Initials — Comments

Stabilization
Time In — Time Out — Initials — Gross Wt. — Comments

Landfill
Time In — Time Out — Initials — Comments

Other
Time In — Time Out — Initials — Comments

Aqueous Treatment
Time In — Time Out — Signature (NO Initials) — Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Leaving truck unattended
_____ Failure to obey instructions of facility personnel
_____ Failure to display overweight flag
_____ Failure to wear appropriate PPE
_____ Improper tarping or detarpin
_____ Unsafe driving practices
✓ Overweight upon arrival
_____ Other (specify)

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5700)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037609 | Manifest Doc. No.: 00017 | 2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

A. NYB9675207

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

B. Generator's Site Address
1322 SEA GIRT AVENUE
SEA GIRT NJ, 08750

4. Generator's Telephone Number 609 987-3107

5. Transporter 1 (Company Name): CLEAN VENTURE, INC.
6. US EPA ID Number: NJ000027193
C. State Transporter's ID: NJ-41m9N
D. Transporter's Telephone: 908 354-0210

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number: NYD049836579
G. State Facility ID: N/A
H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III	001		44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with Trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01
Plate # T41-M9N N.J DOT

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
RICHARD WELLENS	Richard Wellens	12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Actual Recd 37320# Item 12 = 1 + 5T
Wt. est. Generator resolved

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
ELLEN CARTER	Ellen Carter	12	20	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

Cubic Yards

75500 LB G 1

8255785 — Receipt #
THM9W NJ — Trailer License Plate # and State
51257 — Service Req. #
Profile #
NJ-396 — Permit #
Clean Venture Inc — Transporter Name
5541609 D02 — Tractor/Trailer/Roll-off #
Richie Wellins — Driver's Name
Fleet Bank — Generator

10147
12/20/01

12:08 39180 LB G 1
12/20/01 37320 P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 953 Time Out 1330

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation
☐ Other (specify ____
☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In ____ Time Out ____ Initials ____ Comment ____

Stabilization
Time In ____ Time Out ____ Initials ____ Gross Wt. ____ Comments ____

Landfill
Time In ____ Time Out ____ Initials ____ Comment ____

Other
Time In ____ Time Out ____ Initials ____ Comment ____

Aqueous Treatment
Time In ____ Time Out ____ Signature (NO Initials) ____ Comments ____

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____
____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarpin
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWI

(Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
	NJR000037609	bdeu		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675216

B. Generator's Site Address
1322 SEA GIRT AVENUE
SEA GIRT NJ, 08750

C. State Transporter's ID

D. Transporter's Telephone 908 354-0210

5. Transporter 1 (Company Name)
CLEAN VENTURE, INC.

6. US EPA ID Number
NJ000002793

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049336579

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (512157), 9, NA3077, III	DT		44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with Trace Tetrachloroethylene S.T

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/28/01
plate T66M9N

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Jeffrey Clark	Jeffrey Clark	12	21	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Actual Rec'd 42720 L
Item - 12 Qty. - 1
Item - 12 Type - DT

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
EILEEN CARTER	Eileen Carter	12	29	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Please print or type with pen. Federal Law requires that a hazardous waste manifest be completed for the shipment of hazardous waste. Failure to do so may result in civil and criminal penalties. Generators must keep a copy of each manifest signed by the initial transporter for three years or more. Transporters must retain a copy of each manifest for three years or more. Treatment, storage and disposal facilities must retain a copy of each manifest for three years or more. Generators must report to the EPA Regional Office and the appropriate state agency any exception report not received within 45 days. Generators must report to the EPA Regional Office and the appropriate state agency any unmanifested hazardous waste received by the facility within 15 days. Generators must report to the EPA Regional Office and the appropriate state agency any discrepancy, manifest discrepancy or unmanifested hazardous waste received by the facility within 15 days. Generators must report to the EPA Regional Office and the appropriate state agency any unmanifested hazardous waste received by the facility within 15 days. Generators must report to the EPA Regional Office and the appropriate state agency any discrepancy, manifest discrepancy or unmanifested hazardous waste received by the facility within 15 days.

In case of spill, immediately notify the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

CWM Chemical Services, Inc.
Model City, NY

Cubic Yards

77500 LS G Z
10:41
12/20/01

81554783 — Receipt #
T66 mgn - NS — Trailer License Plate # and State
64
623650 — Service Req. #
512157 — Profile #
-NJ-396 — Permit #
Clean Venture — Transporter Name
141 / 01-504 — Tractor/Trailer/Roll-off #
Jeff Clark — Driver's Name
Fleet Bank — Generator

34580 LB G 1
12:17
12/20/01 42720 P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In GR 1234 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: DB Initials ____ Comments ____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet fine ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory — Time In | Time Out | Initials | Comments

Stabilization — Time In | Time Out | Initials | Gross Wt | Comments

Landfill — Time In | Time Out | Initials | Comments

Other — Time In | Time Out | Initials | Comments

Aqueous Treatment — Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____	Smoking or eating in prohibited areas	____	Leaving truck unattended
____	Failure to obey instructions of facility personnel	____	Failure to display overweight flag
____	Failure to wear appropriate PPE	____	Improper tarping or detarpin
____	Unsafe driving practices	____	Overweight upon arrival
____	Other (specify) ____		

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675351

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
	NYR000037609	000119		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675351

B. Generator's ID
1322 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name)
HORWITH TRUCKS, INC.

6. US EPA ID Number
PAD146714878

C. State Transporter's ID X5-38321-P4

D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836679

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. soil with trace Tetrachloroethylene S.T. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652-3 FOR DELIVERY ON 12/20/01

8054764

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Mary Ballinger	Mary Ballinger	12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
actual received 42240# Item 12-001

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Eileen Carter	Eileen Carter	12	20	01

COPY 1 - DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

40 Cubic Yards

81554764 Receipt #
XS-38321-PA Trailer License Plate # and State
11
76000 LB G 2

623162-3 Service Req. #
512167 Profile #
Permit #
10:00
12/20/01

Horwith Transporter Name
541 181 Tractor/Trailer/Roll-off #

Driver's Name
Fleet Bank Generator
33750 LB G 1

Scheduled Arrival: Date Time
11:13
12/20/01 422407

Actual Arrival: Date Time In 919 Time Out 1123

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Q Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory — Time In | Time Out | Initials | Comment

Stabilization — Time In | Time Out | Initials | Gross Wt. | Comments

Landfill — Time In | Time Out | Initials | Comment

Other — Time In | Time Out | Initials | Comment

Aqueous Treatment — Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify)

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

B9675369

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037601 — Manifest Doc. No.: 000120

2. Page 1 of 1 — Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number: 609 987-3107

A. NYB9675369

B. Generator's Site Address: 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.

6. US EPA ID Number: PAD145714878

C. State Transporter's ID: X583706 (PA)

D. Transporter's Telephone: 610 261-2220

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: NYD049336779

G. State Facility ID: N/A

H. Facility Telephone: 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(5121571) 9, NA3077, III	01	DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. 201 WITH TRACE Tetrachloroethylene S.T.
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652-4 FOR DELIVERY ON 12/20/01

8554767

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Gordon Bird	Gordon Bird	12	19	01

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
actual load 45560 P — Item 2-001

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
EILEEN CARTER	Eileen Carter	12	20	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

30
Cubic Yards

$1554767 — Receipt #
X883706 Ra — Trailer License Plate # and State
13

623652-4 — Service Req. #
512157 — Profile #
NA-263 — Permit #

77700 LB G 2
10:04
12/20/01
32140 LB G 1
11:24
12/20/01
45560P

Horwith — Transporter Name
547-18a — Tractor/Trailer/Roll-off #
Gordon Bird — Driver's Name
Fleet Bank — Generator

Scheduled Arrival: Date ____ Time ____

Actual Arrival: Date ____ Time In 920 Time Out 1135

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In ____ Time Out ____ Initials ____ Comment ____

Stabilization
Time In ____ Time Out ____ Initials ____ Gross Wt. ____ Comments ____

Landfill
Time In ____ Time Out ____ Initials ____ Comment ____

Other
Time In ____ Time Out ____ Initials ____ Comment ____

Aqueous Treatment
Time In ____ Time Out ____ Signature (NO Initials) ____ Comments ____

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or datarpin
____ Overweight upon arrival

Security Guard Initials: ____
(indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675171

Please type or print. Do not staple.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

13860

CWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037609 Manifest Doc. No. 01019

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
381 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3197

A. NYB9675171

B. Generator's ID SEA BIRT, NJ. 08750
1322 SEA GIRT AVE

5. Transporter 1 (Company Name) Price Trucking Corp.

6. US EPA ID Number

C. State Transporter's ID ATLANTIC NY

D. Transporter's Telephone (716) 822-1444

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (512157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
SR# 623652 8/30 4787

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name | Signature | Mo. Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Actual Wt 1/1760P 22 Ton 2-20-01

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Mo. Day Year

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91401 — 543860 Cubic Yards

#1554737 — Receipt #

Trailer License Plate # and State

Service Req. # — Profile # 51215 — Permit #

Transporter Name — Tractor/Trailer/Roll-off #

Driver's Name — Generator

31960 LB G 1

13:40 12/20/01 4:17 P

Scheduled Arrival: Date — Time

Actual Arrival: Date — Time In — Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials — Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Leaving truck unattended

_____ Failure to obey instructions of facility personnel

_____ Failure to display overweight flag

_____ Failure to wear appropriate PPE

_____ Improper tarping or detarpin

_____ Unsafe driving practices

_____ Overweight upon arrival

_____ Other (specify)

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675378

Please type or print. Do not staple.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYR000037605 — Manifest Doc. No. 00022
2. Page 1 of 1 — Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675378
B. Generator's ID 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750 12/31

5. Transporter 1 (Company Name) HORWITH TRUCKS, INC. — 6. US EPA ID Number PAD146714878
C. State Transporter's ID XL4608 TCR
D. Transporter's Telephone 610 261-2220

7. Transporter 2 (Company Name) — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number NYD049836679
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III	001	T	94000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. soil with trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. 1
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Montgomery — Signature: John Montgomery — Mo. 12 Day 19 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Booker Riddick — Signature: Booker Riddick — Mo. 12 Day 19 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space
Actual Rec'd 47140 P — Item 12-1

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Tom Byers — Signature: Tom Byers — Mo. 12 Day 20 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

50 Cubic Yards

80500 LB 6 2
10177
12/20/01

33360 LB 6 2
10121
12/20/01 47140 P

8155777 Receipt #
YH 460 81 PA Trailer License Plate # and State
603652 Service Req. # 512157 Profile #
Pa 265 Permit #
Horvath Transporter Name
85153 Tractor/Trailer/Roll-off #
Booker Driver's Name
Fleet Bank Generator

Scheduled Arrival: 12 20 01 Date 930 Time

Actual Arrival: 12 20 01 Date G25 Time In 1332 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: LB Initials _____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify) _____

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

✓ Overweight upon arrival

20%

Security Guard Initials: _____
(indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675189

13859

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037609 Manifest Doc. No. 01019

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675189

B. Generator's ID
SEA GIRT, NJ, 08750
1322 SEA GIRT AVE

5. Transporter 1 (Company Name) Price Trucking Corp

6. US EPA ID Number NYD991366779

C. State Transporter's ID

D. Transporter's Telephone ( )

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(512157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MCC SR# 623652 For 10-20 delivery 8/25/790

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 19 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Mo. Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Mo. Day Year

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

J1400

13859
Cubic Yards

77480 LB G 2
10:58
12/20/01

32120 LB G 1
13:31
12/20/01

2155475O
Receipt #

Trailer License Plate # and State

Service Req. #

Profile #

Permit #

Transporter Name

Tractor/Trailer/Roll-off #

Driver's Name

Generator

Scheduled Arrival: Date Time

Actual Arrival: Date Time In 1005 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: XD
Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (*please initial*)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675225

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CWM

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. N J R 0 0 0 0 3 7 6 8 9	Manifest Doc. No. 0 0 0 2 4	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ. 08540
4. Generator's Telephone Number 609 987-3107

A. NYB96 5225
B. Generator's EPA ID SEA GIRT AVENUE
SEA GIRT NJ. 08750

5. Transporter 1 (Company Name) CLEAN VENTURE. INC.
6. US EPA ID Number N J 0 0 0 0 0 2 7 1 9 3
C. State Transporter's ID 2110771 OH
D. Transporter's Telephon 908 354-0210

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephon ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9
G. State Facility ID N/A
H. Facility Telephone ( ) 716 754-82 1

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	Unit Wt/Vol	I. Waste No.
a. *HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III	D T		44000		F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. d.
b. d.

K. Handling Codes for Wastes Listed Above
a. L a.
a. d.

15. Special Handling Instructions and Additional Information
MDC SR# [illegible] FOR DELIVERY ON 12/21/01

8150 94

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
JOSE R. SILVA	[signature]	12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Item 12 = 1 DT
Actual Rec'd 35360P weight est. Generator updated

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
EILEEN CARTER	Eileen Carter	01	03	02

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91185

25 Cubic Yards

8155509 — T92M8R NJ

Receipt # — Trailer License Plate # and State

623652 — 512157 — 05-351

Service Req. # — Profile # — Permit #

Clean Venture Inc — TK-RG DF-K

Transporter Name — Tractor/Trailer/Roll-off #

Richard Williams — Fleet Bank

Driver's Name — Generator

Scheduled Arrival: ____ Date ____ Time

Actual Arrival: ____ Date ____ Time In 0958 Time Out

35360P

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: RB Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____
____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarpin
____ Overweight upon arrival

Security Guard Initials: ____ (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675729

13863

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJA000037609 Manifest Doc. No. 00025

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number (609) 987-3107

A. NYB9675729

B. Generator's ID 1528 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name) Pine Tanking

6. US EPA ID Number NYD084676574

C. State Transporter's ID 3169A1 NY

D. Transporter's Telephone (609) 239-0400

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121577) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE c.
b. d.

K. Handling Codes for Wastes Listed Above
a. 1 c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01 AT 12:30

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name [illegible] Signature [signature] Mo. 12 Day 19 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name [illegible] Signature [signature] Mo. 12 Day 19 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Mo. Day Year

FACILITY

19. Discrepancy Indication Space
[illegible]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name [illegible] Signature [signature] Mo. 12 Day 19 Year 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and NYS Department of Environmental Conservation (518) 457-7362

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91486

58863
Cubic Yards

76180 LB 6 2
12:10
12/20/01

4155482 — Receipt #
3169A1 - NY. — Trailer License Plate # and State
1623652 — Service Req.#
512157 — Profile #
9A 025 — Permit #
Price Trucking — Transporter Name
9800 1590 — Tractor/Trailer/Roll-off #
David Potts — Driver's Name
Fleet Bank — Generator

Scheduled Arrival: ____ (Date) ____ (Time)

Actual Arrival: ____ (Date) 1165 (Time In) ____ (Time Out)

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ____ (Initials) ____ (Comments)

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt.	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (*please initial*)

____ Smoking or eating in prohibited areas
____ Leaving truck unattended
____ Failure to obey instructions of facility personnel
____ Failure to display overweight flag
____ Failure to wear appropriate PPE
____ Improper tarping or detarpin
____ Unsafe driving practices
____ Overweight upon arrival
____ Other (specify) ____

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675234

Please type or print. Do not staple.

DIVISION OF SOLID & HAZARDOUS MATERIALS
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037605 | Manifest Doc. No.: 001016 | 2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

A. NYB9675234

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

B. Generator's SEA GIRT AVENUE
SEA GIRT NJ, 08750 12/20

4. Generator's Telephone Number (609) 987-3107

5. Transporter 1 (Company Name): CLEAN VENTURE, INC.
6. US EPA ID Number: NJ000002719 3
C. State Transporter's ID: S-5811 68NJ
D. Transporter's Telephone: 908 354-0210

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number: NYD049836679
G. State Facility ID: N/A
H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157), 9, NA3077, III	01	DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. soil with trace Tetrachloroethylene S.T
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01

8155479?

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 19 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Glenn Nemeth | Signature: Glenn Nemeth | Mo. 12 Day 19 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Actual Rec'd 26080# Weight estimated Generator Weight 12-1-01 ST

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Tom Byers | Signature: Tom Byers | Mo. 12 Day 20 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

40 Cubic Yards

63140 L2 G 2
1:25
12/20/01

37060 L2 G 1
13:56
12/20/01 26080P

82534799 Receipt #
AT68M9N NYS 18 Trailer License Plate # and State
512157 Service Req. #
Profile #
Permit #
CLEAN VENTURE INC 143 DT 415 Transporter Name
Tractor/Trailer/Roll-off #
GLENN NEMETH Driver's Name
FLEET BANK Generator

Scheduled Arrival: Date Time

Actual Arrival: Date 1013 Time In 1400 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: RB Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify)

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675765

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

13862

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037609 Manifest Doc. No. 000017

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
391 CARNEGIE CENTER, PO BOX 2966
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675765

B. Generator's ID
1366 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name) Fleet Trucking

6. US EPA ID Number NYD981665674

C. State Transporter's ID

D. Transporter's Telephone

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	J. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (S12157) 9, NA3077, III		DT	4 4 0 0	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE

K. Handling Codes for Wastes Listed Above
a. c. b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01 AT 12:30

1554826

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name — Signature — Mo. Day Year 12 19 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year 12 19 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Ellen Carton — Signature Ellen Carton — Mo. Day Year 12 20 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91503

143862 Cubic Yards 72760 LB 6 2

13:02

12/20/01

215548 26 — Receipt #

LS6108N NY — Trailer License Plate # and State

1079152 — Service Req. #

51215 — Profile #

NA 02 — Permit #

Price — Transporter Name

3000 2000 — Tractor/Trailer/Roll-off #

Jim Vinsen — Driver's Name

Fleet Bank — Generator

Scheduled Arrival: ____ Date ____ Time

Actual Arrival: ____ Date 1256 Time In ____ Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: JB Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas

____ Failure to obey instructions of facility personnel

____ Failure to wear appropriate PPE

____ Unsafe driving practices

____ Other (specify) ____

____ Leaving truck unattended

____ Failure to display overweight flag

____ Improper tarping or detarpin

____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

[illegible]

HAZARDOUS WASTE MANIFEST

P.O. Box 12620, Albany, New York 12212

CCWM

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037609 — Manifest Doc. No.:

2. Page 1 of 1 — Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number: (609) 987-3107

A. NYB9675738

B. Generator's ID: 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name): Price Trucking Corp.

6. US EPA ID Number: NYD046765574

C. State Transporter's ID: 3122A1-N4

D. Transporter's Telephone: 800825-6200

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: NYD049836779

G. State Facility ID: N/A

H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a.
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01 AT 12:30

8153824

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name: John Montgomery — Signature: John Montgomery — Mo. 12 Day 19 Year 01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Patrick Pichon — Signature: Patrick Pichon — Mo. 12 Day 19 Year 01

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space
Actual Load 42420P — Item omitted Doc # Stated 12-1 Stated=L

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Ellen Carter — Signature: Ellen Carter — Mo. 12 Day 19 Year 01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

CWM Chemical Services, Inc.
Model City, NY

40
Cubic Yards

76840 LB G 2
12:45
12/20/01

8155 4824 — 317ZA1-NY
Receipt # — Trailer License Plate # and State

623652 — 512157 — 9A025
Service Req. # — Profile # — Permit #

Price — 8200-1580
Transporter Name — Tractor/Trailer/Roll-off #

Patrick Pichon — Fleet Bank
Driver's Name — Generator

10

34420 LB G 1
13:58
12/20/01 424207

Scheduled Arrival: 12-20-01 — 12:30
Date — Time

Actual Arrival: — — 1410
Date — Time In — Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: lb
Initials — Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comment
— | — | CS | Stab For Filter

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments
— | — | — | — | —

Landfill

Time In | Time Out | Initials | Comment
— | — | — | —

Other

Time In | Time Out | Initials | Comment
— | — | — | —

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments
— | — | — | —

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify) _____

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675387

DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 3000)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJR000037601 | Manifest Doc. No.: 000219 | 2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number: 609 987-3107

A. NYB9675387

B. Generator's ID: 1322 SEA GIRT AVENUE SEA GIRT NJ, 08750 1/2/20

5. Transporter 1 (Company Name): HORWITH TRUCKS, INC.
6. US EPA ID Number: PAD146714878
C. State Transporter's ID: XR89613 (PA)
D. Transporter's Telephone: 610 261-2220

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107
10. US EPA ID Number: NYD049136679
G. State Facility ID: N/A
H. Facility Telephone ( ): 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121S7) 9, NA3077, III		DT	44000 Est.	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. Soil with trace Tetrachloroethylene S.T.
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. 1
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 623652 FOR DELIVERY ON 12/20/01

8155410

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	12	19	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
DAVID B Rex SR	David B Rex SR	12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Natural Acid 40560P Item 12-001

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Eileen Carter	Eileen Carter	12	20	01

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

In case of spill, emergency, or accidental discharge, immediately call the NYS Department of Environmental Conservation (518) 457-7362 and the National Response Center (800) 424-8802

CWM Chemical Services, Inc.
Model City, NY

TU
Cubic Yards

78.20 LB G 2

8155/810 — XR-89613 - PA — 48
Receipt # — Trailer License Plate # and State

12:03

623652 — 51215 — PA263
Service Req. # — Profile # — Permit #

12/20/01

Horvath Trucks In — 531-171
Transporter Name — Tractor/Trailer/Roll-off #

32560 LB G 1

14:31

DAVID B Rec SP — Fleet Bank
Driver's Name — Generator

12/20/01 40560P

Scheduled Arrival: ____ Date ____ Time

Actual Arrival: ____ Date 1103 Time In 1550 Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: DB Initials ____ Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or detarpin
____ Overweight upon arrival

Security Guard Initials: ____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675153

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCWM

(Hazardous Waste Manifest 5-90)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. 06 / Manifest Doc. No. 015155	2. Page 1 of 1	Information in the heavy bold line is not required by Federal Law.
3. Generator's Name and Mailing Address FLEET BANK 301 CARNEGIE CENTER, PO BOX 2066 PRINCETON NJ, 08340 4. Generator's Telephone Number 609 987-3107		A. NYB9675153 B. Generator's ID SEA GIRT, NJ, 08750 1322 Sea Girt Ave C. State Generator's ID 25-8811-2/3 D. Transporter's Telephone 908 354-0210	
5. Transporter 1 (Company Name) CLEAN VENTURE, INC.	US EPA ID Number NJ0000027193		
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Telephone ( )	
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER ROAD MODEL CITY NY, 14107	10. US EPA ID Number NYD049836791	G. State Facility ID N/A H. Facility Telephone ( ) 716 754-8231	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (512157) 9, NA3077, III	001	T	44000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. Soil with Trace Tetrachloroethylene S.T.
c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
623652 12/20/01
NDC SRF-623652 For 12/18/01 Delivery 8255095

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year
John Montgomery	John Montgomery	1	2	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Jeffrey Clark	Jeffrey Clark	1	2	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Actual Rec'd 30740 P Item 12 - 1/Dr

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Allen Carlton	Allen Carlton	01	03	02

GENERATOR
TRANSPORTER
FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation

COPY 1-DISPOSER STATE - MAILED BY TSD FACILITY

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

26

Cubic Yards

81555095 — Receipt #
T93M8R NJ — Trailer License Plate # and State
623652 — Service Req. #
512157 — Profile #
NJ 896 — Permit #
Clean Venture — Transporter Name
136 DT14 — Tractor/Trailer/Roll-off #
Manuel Quezada — Driver's Name
Fleet Bank — Generator

30770P

Scheduled Arrival: Date ____ Time ____

Actual Arrival: 01/03/02 (Date) 959 (Time In) 1437 (Time Out)

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: PB (Initials) ____ (Comments)

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) ____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (please initial)

____ Smoking or eating in prohibited areas
____ Failure to obey instructions of facility personnel
____ Failure to wear appropriate PPE
____ Unsafe driving practices
____ Other (specify) ____

____ Leaving truck unattended
____ Failure to display overweight flag
____ Improper tarping or tiedown
____ Overweight upon arrival

Security Guard Initials: ____ (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675828

Please type or print. Do not staple.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

F3821

CCWM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Doc. No.: NJ 8 0 0 0 3 7 6 0 9 2 0 0 0 5 1

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ. 08540
4. Generator's Telephone Number 609 987-3107

A. NYB9675828

B. Generator's ID 1522 SEA GIRT AVENUE 1/2
SEA GIRT NJ. 08750

5. Transporter 1 (Company Name): Pace ETC

6. US EPA ID Number: NYD 7 8 0 9 6 9 9 4 7

C. State Transporter's ID NY TA-246

D. Transporter's Telephone (609) 233 2126

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY. 14107

10. US EPA ID Number: NYD 0 4 9 8 3 6 6 7 9

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121577) 9, NA3077, III	1	DT	4	P	EPA F042 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. T
c.
b.
d.

15. Special Handling Instructions and Additional Information
NOC SR# 624351 FOR DELIVERY ON 12/21/01 AT 11:30
S/554904

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year
		12	20	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		12	20	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Normal load for [illegible]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
		12	21	01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) [illegible]

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91579

Cubic Yards

12:07
12/21/01

Receipt # | Trailer License Plate # and State

Service Req. # | Profile # | Permit #

Transporter Name | Tractor/Trailer/Roll-off #

Driver's Name | Generator

Scheduled Arrival: Date | Time

Actual Arrival: Date | Time In | Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials | Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas
_____ Leaving truck unattended
_____ Failure to obey instructions of facility personnel
_____ Failure to display overweight flag
_____ Failure to wear appropriate PPE
_____ Improper tarping or detarpin
_____ Unsafe driving practices
_____ Overweight upon arrival
_____ Other (specify)

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675837

Please type or print. Do not staple.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

13864

CCNM

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037509 Manifest Doc. No. 00032

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ. 08540
4. Generator's Telephone Number (609) 987-3197

A. NYB9675837

B. Generator's ID
1522 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name)
PRIDE TRUCKING

6. US EPA ID Number
NYD049855947

C. State Transporter's ID

D. Transporter's Telephone 856 825 60

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836679

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(5121571) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
MOC SR# 624351 FOR DELIVERY ON 12/21/01 AT 11:30
81554577

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Mo. Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Luis Viera | Signature | Mo. 12 Day 28 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Cleaned Rec'd 4:30 P.M. Item 19: 001 Item K-L

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Mo. Day Year

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91555 4,383.64 Cubic Yards

8155487 Receipt # | 225 A Trailer License Plate # and State | 75980 LB 6 2

Service Req. # | Profile # | Permit #

10:54 12/21/01

Transporter Name | Tractor/Trailer/Roll-off #

Driver's Name | Generator

Scheduled Arrival: Date | Time

Actual Arrival: Date | Time In | Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials | Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory — Time In | Time Out | Initials | Comments

Stabilization — Time In | Time Out | Initials | Gross Wt. | Comments

Landfill — Time In | Time Out | Initials | Comments

Other — Time In | Time Out | Initials | Comments

Aqueous Treatment — Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675846

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

13865

CWM

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.
NJ 0 0 0 0 3 7 6 0 9 | 1 3 1 2

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3187

A. NYB9675846

B. Generator's ID
1565 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name)
Pete Trucking

6. US EPA ID Number
NYD 0 9 8 5 7 6 5 5 7 4

C. State Transporter's ID 495344 NY

D. Transporter's Telephone (201) 935-[illegible]

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD 0 4 9 8 3 5 6 7 9

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121571 9, MA3077, III		DT	25 4400 lb	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 624351 FOR DELIVERY ON 12/21/01 AT 11:30
915548

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year
[illegible]	[illegible]			

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Netted Red 42 lbs

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
[illegible]	[illegible]			

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91554 15861
Cubic Yards

74640 LB 6 2
10:56
12/21/01

Receipt # 91554178 | Trailer License Plate # and State

Service Req. # | Profile # 15861 | Permit #

Transporter Name | Tractor/Trailer/Roll-off #

Driver's Name | Generator

4:21 PM

Scheduled Arrival: Date | Time

Actual Arrival: Date | Time In | Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials | Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (*please initial*)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675855

13867

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Doc. No.	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
	NJR000037609	00034		

GENERATOR

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number 609 987-3197

A. NYB9675855

B. Generator's ID
1362 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name)
FREETRACKING

6. US EPA ID Number
NYD7875[illegible]55

C. State Transporter's ID

D. Transporter's Telephone ( )

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836679

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III		DT	24000	P	EPA F002 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 624351 FOR DELIVERY ON 12/21/01 AT 11:30

P155489

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
[illegible]	[signature]	12	20	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
[illegible]	[signature]	12	20	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space
Partial Reject 24 bags

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

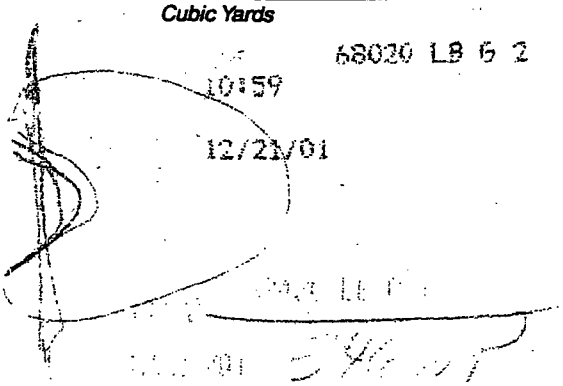
Printed/Typed Name	Signature	Mo.	Day	Year
ELLEN CARTER	[signature]	12	21	01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91555 13867
Cubic Yards



91-524899 — [illegible]
Receipt # — Trailer License Plate # and State

[illegible] — [illegible] — [illegible]
Service Req. # — Profile # — Permit #

[illegible]
Transporter Name — Tractor/Trailer/Roll-off #

[illegible] — [illegible]
Driver's Name — Generator

Scheduled Arrival: _____ (Date) _____ (Time)

Actual Arrival: _____ (Date) 1015 (Time In) _____ (Time Out)

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: _____ (Initials) _____ (Comments)

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory
Time In | Time Out | Initials | Comments

Stabilization
Time In | Time Out | Initials | Gross Wt. | Comments

Landfill
Time In | Time Out | Initials | Comments

Other
Time In | Time Out | Initials | Comments

Aqueous Treatment
Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

28

_____ Smoking or eating in prohibited areas
_____ Failure to obey instructions of facility personnel
_____ Failure to wear appropriate PPE
_____ Unsafe driving practices
_____ Other (specify) _____

_____ Leaving truck unattended
_____ Failure to display overweight flag
_____ Improper tarping or detarpin
_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

NYB9675864

Please type or print. Do not staple.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

F3826

CCW

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJ0000037609 Manifest Doc. No. 20035

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675864

B. Generator's ID
1555 SEA GIRT AVENUE
SEA GIRT NJ. 08750

5. Transporter 1 (Company Name)
PARATEC

6. US EPA ID Number
NYD986969417

C. State Transporter's ID 5 7044 M-NY

D. Transporter's Telephone ( ) 373 3136

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836673

G. State Facility ID
N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE) (5121571) 9, NA3077, III		DT	25 40000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a. L
c.
b.
d.

15. Special Handling Instructions and Additional Information
MDC SR# 624351 FOR DELIVERY ON 12/21/01 AT 11:30

81554906

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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Printed/Typed Name	Signature	Mo.	Day	Year
		12	19	01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
		12	19	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space
Lethal Rec 40900P

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
		12	21	01

GENERATOR

TRANSPORTER

FACILITY

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91581

Cubic Yards

73440 LB 5 2

12:12

12/21/01

Receipt #

Trailer License Plate # and State

Service Req. #

Profile #

Permit #

Transporter Name

Tractor/Trailer/Roll-off #

Driver's Name

Generator

Scheduled Arrival: Date Time

Actual Arrival: Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9675774

Please type or print. Do not staple.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

13866

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NJR000037699 Manifest Doc. No. 00036

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540
4. Generator's Telephone Number (609) 987-3197

A. NYB9675774

B. Generator's ID
1555 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name) Price Trucking

6. US EPA ID Number NYD045765774

C. State Transporter's ID NJ5777

D. Transporter's Telephone (732) 774-[illegible]

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number NYD049036579

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III		DT	24000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE c.
b. d.

K. Handling Codes for Wastes Listed Above
a. [H] c. [ ]
b. [ ] d. [ ]

15. Special Handling Instructions and Additional Information
MOC BRV 624351 FOR DELIVERY ON 12/21/01 PT 12.00
P/S54774

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

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GENERATOR

Printed/Typed Name [illegible] Signature [illegible] Mo. 12 Day 20 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible] Signature [illegible] Mo. 12 Day 20 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Mo. Day Year

FACILITY

19. Discrepancy Indication Space [illegible]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name [illegible] Signature [illegible] Mo. 12 Day 21 Year 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91551

-23866
Cubic Yards

5155407Y
Receipt #

753755 NY
Trailer License Plate # and State

624331 5121.7 PA225
Service Req. # Profile # Permit #

Pete + Lucky 5000 1/2
Transporter Name Tractor/Trailer/Roll-off #

R.B.E. Estano Fleet Bank
Driver's Name Generator

Scheduled Arrival: _____ _____
Date Time

Actual Arrival: _____ 1107 _____
Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: ✓ _____
Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify) _____

☑ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In	Time Out	Initials	Comments

Stabilization

Time In	Time Out	Initials	Gross Wt.	Comments

Landfill

Time In	Time Out	Initials	Comments

Other

Time In	Time Out	Initials	Comments

Aqueous Treatment

Time In	Time Out	Signature (NO Initials)	Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify) _____

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYB9675783

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

F3828

CCW

(Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Doc. No.
NJR000037609 | 00837

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ, 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675783

B. Generator's ID 1222 SEA GIRT AVENUE SEA GIRT NJ, 08750

5. Transporter 1 (Company Name)
Para ETS INC.

6. US EPA ID Number
NYD986969947

C. State Transporter's ID T91F8F NJ

D. Transporter's Telephone 800 R33216

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number
NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( )
716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(512157) 9, NA3077, III	001	DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE c.
b. d.

K. Handling Codes for Wastes Listed Above
a. L c.
b. d.

15. Special Handling Instructions and Additional Information
MDC SR# 624351 FOR DELIVERY ON 12/21/01 AT 12:00
81554911

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Mo. Day Year
John Montgomery	John Montgomery	12 12 2001

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo. Day Year
Frank P. Anderson		12 12 2001

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Partial Rec 43160 P

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo. Day Year
Ellen Quinn		12 21 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91588

40 Cubic Yards

74580 LB G 2

12:24
12/21/01

Receipt # 5155411 | Trailer License Plate # and State T91FBF NY

Service Req. # 624351 | Profile # | Permit # TA-296

Transporter Name PAGE E.T.C. TX | Tractor/Trailer/Roll-off # 6873-1162

Driver's Name FRANK ANDERSON | Generator FLEET BANK

Scheduled Arrival: Date 12-21-01 | Time 12:00

Actual Arrival: Date 12-21-01 | Time In 1159 | Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials _____ Comments _____

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify _____)

☒ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (please initial)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify) _____

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9675792

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

F3827

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

CCM

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NJA000037609 | Manifest Doc. No.:

2. Page 1 of 1 | Information within heavy bold line is not required by Federal Law.

3. Generator's Name and Mailing Address
FLEET BANK
301 CARNEGIE CENTER, PO BOX 2066
PRINCETON NJ. 08540

4. Generator's Telephone Number 609 987-3107

A. NYB9675792

B. Generator's ID
1322 SEA GIRT AVENUE
SEA GIRT NJ, 08750

5. Transporter 1 (Company Name): Page ETC Inc.

6. US EPA ID Number: NYD986969947

C. State Transporter's ID 56745 NJ

D. Transporter's Telephone 800 433 1120

7. Transporter 2 (Company Name):

8. US EPA ID Number:

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER ROAD
MODEL CITY NY, 14107

10. US EPA ID Number: NYD049836679

G. State Facility ID N/A

H. Facility Telephone ( ) 716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. (TETRACHLOROETHYLENE)(S12157) 9, NA3077, III		DT	44000	P	EPA F002 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. SOIL WITH TRACE TETRACHLOROETHYLENE

K. Handling Codes for Wastes Listed Above
a. H | c. | b. | d.

15. Special Handling Instructions and Additional Information
MDC SR# 624351 FOR DELIVERY ON 12/21/01 AT 12:00
81554912

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: John Montgomery | Signature: John Montgomery | Mo. 12 Day 20 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeffrey M Jackson | Signature: Jeffrey M Jackson | Mo. 12 Day 20 Year 01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Mo. Day Year

FACILITY

19. Discrepancy Indication Space
Actual Recd 33140P
Item 12 = 001
generator omitted decimal ##

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: EILEEN CARTOL | Signature: Eileen Cartol | Mo. 12 Day 21 Year 01

COPY 7-TRANSPORTER COPY - RETAINED BY TRANSPORTER

...of environmental Conservation (518) 457-7362 and the National Response Center (800) 424-8802, immediately call the ...

Transporter Log

CWM Chemical Services, Inc.
Model City, NY

91589

Cubic Yards

72660 LB 5 2
12:26
12/21/01

Receipt # 8155491B

Trailer License Plate # and State

Service Req. # | Profile # | Permit #

Transporter Name

Tractor/Trailer/Roll-off #

Driver's Name

Generator

Scheduled Arrival: Date Time

Actual Arrival: Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

Receiving: Initials Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In | Time Out | Initials | Comments

Stabilization

Time In | Time Out | Initials | Gross Wt. | Comments

Landfill

Time In | Time Out | Initials | Comments

Other

Time In | Time Out | Initials | Comments

Aqueous Treatment

Time In | Time Out | Signature (NO Initials) | Comments

Facility Personnel (*please initial*)

_____ Smoking or eating in prohibited areas

_____ Failure to obey instructions of facility personnel

_____ Failure to wear appropriate PPE

_____ Unsafe driving practices

_____ Other (specify)

_____ Leaving truck unattended

_____ Failure to display overweight flag

_____ Improper tarping or detarpin

_____ Overweight upon arrival

Security Guard Initials: _____
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

Appendix 9

Certified Clean Fill Documentation

NEW JERSEY GRAVEL & SAND CO.,INC.
P.O. Box 1441
WALL,N.J. 07719

Phone 732-938-5252 **Fax 732-938-4607**

To: Lewis Environmental
Job: Rte 35 & Sea Girt Av. Wall, NJ 07719
Date:12/01

Dear Rob,

This is to certify that the Sand Fill we delivered to the job site above is free of any contaminants or debris. It is considered environmentally safe. We stockpile from a variety of locations, however, all samples are virgin material.

Very Truly Yours,

Kevin C. Gannon
Vice President

TOPSOIL – MULCH – DECORATIVE STONE – SAND
YARD: Rte. 34 South, Wall Twp. (2 Mi. No. of Rte. 195)

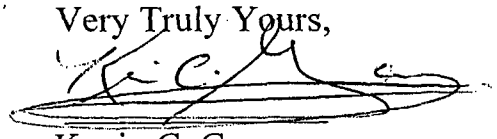
NEW JERSEY GRAVEL & SAND CO.,INC.
P.O. Box 1441
WALL,N.J. 07719
Phone 732-938-5252 **Fax 732-938-4607**

To: Lewis Environmental
Job: Fleet National Bank, 1322 Sea Girt Av, Wall, N.J. 07719
Date:12/18/01 - on

Dear Chris,

This is to certify that the Sand Fill we delivered to the job site above is free of any contaminants or debris. It is considered environmentally safe. We stockpile from a variety of locations, however, all samples are virgin material.

Very Truly Yours,



Kevin C. Gannon
Vice President

TOPSOIL – MULCH – DECORATIVE STONE – SAND
YARD: Rte. 34 South, Wall Twp. (2 Mi. No. of Rte. 195)

Appendix 10

Laboratory Analytical Report - Soil Samples Collected on December 17, 2001

ACCUTEST

01/11/02

Technical Report for

Groundwater & Environmental Services

Fleet Bank, Wall, NJ

03-02046-02-03

Accutest Job Number: N4873

Report to:

Groundwater & Environmental Services
P.O. Box 1750
1340 Campus Parkway
Wall, NJ 07719

ATTN: Terri Evans

Total number of pages in report: 79

ACCREDITED IN ACCORDANCE WITH nelac

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

Vincent J. Pugliese
President

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

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

Accutest Laboratories

Sample Summary

Groundwater & Environmental Services

Job No: N4873

Fleet Bank, Wall, NJ
Project No: 03-02046-02-03

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
N4873-1	12/17/01	14:05	JHM	12/18/01	SO	Soil	SE-1 (17.5')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

ACCUTEST.

Laboratory Deliverables

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

Tina Lua Tang
QC Reviewer

1/11/2002
Date

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

ACCUTEST.

Percent Solids Determination

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

ACCUTEST.

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

Title/Cover Page

Deliverable Checklist

Table Of Contents

Section 1 General

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

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

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

Section 3 GC Support Data

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

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

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

Section 5 General Chemistry/Petroleum Hydrocarbon Support Data

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

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

Results

Report of Analysis

Client Sample ID:	SE-1 (17.5')		
Lab Sample ID:	N4873-1	**Date Sampled:**	12/17/01
Matrix:	SO - Soil	**Date Received:**	12/18/01
Method:	SW846 8260B	**Percent Solids:**	95.2
Project:	Fleet Bank, Wall, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	I50167.D	1	12/29/01	RFY	n/a	n/a	VI2009
Run #2 [b]	I50255.D	1	01/01/02	RFY	n/a	n/a	VI2012

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND [c]	3400	ug/kg	
107-13-1	Acrylonitrile	ND [c]	3400	ug/kg	
71-43-2	Benzene	ND [c]	67	ug/kg	
75-27-4	Bromodichloromethane	ND [c]	340	ug/kg	
75-25-2	Bromoform	ND [c]	340	ug/kg	
74-83-9	Bromomethane	ND [c]	340	ug/kg	
56-23-5	Carbon tetrachloride	ND [c]	340	ug/kg	
108-90-7	Chlorobenzene	ND [c]	340	ug/kg	
75-00-3	Chloroethane	ND [c]	340	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND [c]	1300	ug/kg	
67-66-3	Chloroform	ND [c]	340	ug/kg	
74-87-3	Chloromethane	ND [c]	340	ug/kg	
124-48-1	Dibromochloromethane	ND [c]	340	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND [c]	340	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND [c]	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND [c]	340	ug/kg	
75-71-8	Dichlorodifluoromethane	ND [c]	340	ug/kg	
75-34-3	1,1-Dichloroethane	ND [c]	340	ug/kg	
107-06-2	1,2-Dichloroethane	ND [c]	340	ug/kg	
75-35-4	1,1-Dichloroethene	ND [c]	340	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND [c]	340	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND [c]	340	ug/kg	
78-87-5	1,2-Dichloropropane	ND [c]	340	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND [c]	340	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND [c]	340	ug/kg	
100-41-4	Ethylbenzene	ND [c]	67	ug/kg	
75-09-2	Methylene chloride	ND [c]	340	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND [c]	340	ug/kg	
127-18-4	Tetrachloroethene	ND [c]	340	ug/kg	
108-88-3	Toluene	ND [c]	67	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND [c]	340	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND [c]	340	ug/kg	
79-01-6	Trichloroethene	ND [c]	340	ug/kg	
75-69-4	Trichlorofluoromethane	ND [c]	340	ug/kg	
75-01-4	Vinyl chloride	ND [c]	340	ug/kg	
1330-20-7	Xylene (total)	ND [c]	130	ug/kg	

7

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

Report of Analysis

Client Sample ID:	SE-1 (17.5')		
Lab Sample ID:	N4873-1	**Date Sampled:**	12/17/01
Matrix:	SO - Soil	**Date Received:**	12/18/01
Method:	SW846 8260B	**Percent Solids:**	95.2
Project:	Fleet Bank, Wall, NJ		

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	91%	55-132%
17060-07-0	1,2-Dichloroethane-D4	101%	96%	54-129%
2037-26-5	Toluene-D8	99%	97%	65-133%
460-00-4	4-Bromofluorobenzene	101%	106%	58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.73	4100	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

(a) Methanol preservation/extraction. Confirmation run. Sample was reanalyzed due to carry-over.
(b) Sample originally analyzed within the holding time. Methanol preservation/extraction.
(c) Result is from Run# 2

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

CHAIN OF CUSTODY

ACCUTEST

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

ACCUTEST JOB #: M4873
ACCUTEST QUOTE #:

CLIENT INFORMATION

GES, Inc. JM
NAME
1340 Campus Parkway
ADDRESS
Wall NJ 07719
CITY, STATE ZIP

SEND REPORT TO: T. Evans
PHONE # 732-919-0100

FACILITY INFORMATION

Fleet Bank
PROJECT NAME
Wall, NJ
LOCATION
03-02046-02-03-XX
PROJECT NO.

FAX # 732-919-0916

ANALYTICAL INFORMATION

8260+10
Moisture

MATRIX CODES

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

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	8260+10	Moisture	LAB USE ONLY
-1	SE-1 (17.5') 1	12/17/01	1405	JHM	So	2						X	X	96, 2817

DATA TURNAROUND INFORMATION

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

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

DATA DELIVERABLE INFORMATION

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

COMMENTS/REMARKS

1 Encore/spkr.

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

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
J Montgomery	12/18/01 0600	1. T. Evans	2. T. Evans	12/18/01 6:30	2.
3.	(illegible) 1305	3.	4.		4.
5.		5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☑ TEMPERATURE 2.8 C

TRS

GC/MS

ACCUTEST.

GC/MS METHODOLGY SUMMARY

VOLATILE ORGANIC METHOD 8260

This method can be summarizied as follows: For low level contamination, an insert gas is bubbled through 5ml sample. The purgeables are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeable are trapped . When purging is complete, the sorbent tube is heated and backflushed with helium to desorb trapped sample components. The analytes are desorbed directly to a large bore capillary on capillary precolumn before being flash evaporated to a narrow bore capillary for analysis.

The column is temperature programmed to separate the analytes which are then detected with a mass spectrometer (MS) interfaced to the gas chromatograph. Wide bore capillary columns requirea jet separator, whereas narrow bore capillary collumns can be directly interfaced to the ion source.

Analytes eluted from the capillary column are introduced into the mass spectrometer via a jet separator or a direct connection. Identification of target analytes is accompliched by comparing their mass spectra with the electron impact spectra of authentic standard. Quantitation is accomplished by comparing the response of a major (quantitation) on relative to internal standard with a five-point calibration curve.

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ACCUTEST.

GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Volatile

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Met Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Met Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Met Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
Internal Standard Area/Retention Time Shift Met Criteria		✓
If the requirement is not met, refer to the Internal Standard Summary for comment.		
9. Extraction Holding Time Met		NA
If the holding time is not met, refer to the Sample Result page for comment.		
11. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		

12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

_____

ditional Comments: _____

_____

_____

: Review Signature: _____ Date: 1/11/02

Case Narrative
Library Search Data

The non-target compounds detected in this sample were tentatively identified using a search of the NIST/EPA Mass Spectral Library. This search selects certain uniqueness characteristics from the spectra of the non-target compounds and compares them to spectra of compounds that have been archived in the mass spectral Library. Compounds in the Library whose spectra most closely resemble the spectra of the non-target compounds are listed in order of their "match quality" in the search results.

Interpreting library search data is subjective and dependent upon the analyst's judgement. Subjectivity increases as spectral complexity increases and the likelihood of listing a non-target compound as an unknown becomes greater.

Qualitative identifications of non-targeted compounds must be evaluated carefully to determine if their chemical and physical properties are consistent with the compound classes that can be determined by the method in use. If the chemical and physical properties of the suspect compound indicate that presence is possible, the library search data provides the basis for further investigation. The information generated via library searches of non-targeted compounds should be treated as semi-qualitative.

Quantitative values placed on tentatively identified compounds (TICs) are calculated using an assumed response factor of one (1). This assumption can cause the calculated concentration to be grossly estimated and may be high by as much as a factor of five (5) or low by as much as a factor of one thousand (1,000). The accuracy of quantitative data generated using library search procedures is unknown and should be used guardedly.

The library search may have indicated the presence of organo-silicon compounds, carbon dioxide, or aldol condensates. The organo-silicon compounds that have been identified in samples are found in components of the analytical instrumentation. They are classified as normal system artifacts. Carbon dioxide, an atmospheric component is soluble in water and capable of being detected in purge and trap systems. Its presence is inconsequential because of its ubiquitous nature. Aldol condensates are byproducts of extraction/concentration procedures that use acetone as a solvent. They are produced under certain pH conditions, which are a function of sample matrix characteristics. None of these compounds are of sample origin and their appearance should be discounted for decision-making purposes.

Volatile Surrogate Recovery Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
N4873-1	I50167.D	92.0	101.0	99.0	101.0
N4873-1	I50255.D	91.0	96.0	97.0	106.0
N4921-18MS	I50162.D	101.0	107.0	100.0	99.0
N4921-18MSD	I50163.D	100.0	107.0	100.0	102.0
N5247-4MS	I50262.D	96.0	103.0	97.0	98.0
N5247-4MSD	I50263.D	97.0	104.0	97.0	100.0
VI2009-BS	I50150.D	101.0	110.0	102.0	100.0
VI2012-BS	I50261.D	96.0	102.0	98.0	96.0
VI2012-MB1	I50253.D	94.0	99.0	94.0	109.0
VI2009-MB1	I50149.D	100.0	101.0	98.0	117.0
VI2009-MB2	I50160.D	99.0	105.0	102.0	113.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	55-132%
S2 = 1,2-Dichloroethane-D4	54-129%
S3 = Toluene-D8	65-133%
S4 = 4-Bromofluorobenzene	58-137%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N5247-4MS [a]	I50262.D	1	01/01/02	RFY	n/a	n/a	VI2012
N5247-4MSD [a]	I50263.D	1	01/01/02	RFY	n/a	n/a	VI2012
N5247-4 [a]	I50259.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Compound	N5247-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
107-02-8	Acrolein	ND		52500	66200	126	66700	127	1	1-199/35
71-43-2	Benzene	ND		5250	5400	103	5250	100	3	64-132/15
75-27-4	Bromodichloromethane	ND		5250	5880	112	5700	109	3	64-134/15
75-25-2	Bromoform	ND		5250	6400	122	6130	117	4	53-147/19
74-83-9	Bromomethane	ND		5250	5500	105	5200	99	6	45-132/19
56-23-5	Carbon tetrachloride	ND		5250	6130	117	6010	114	2	54-143/19
108-90-7	Chlorobenzene	ND		5250	5890	112	5660	108	4	56-137/17
75-00-3	Chloroethane	ND		5250	5090	97	4340	83	16	33-140/22
110-75-8	2-Chloroethyl vinyl ether	ND		26300	28500	109	26700	102	7	29-166/19
67-66-3	Chloroform	ND		5250	5350	102	5250	100	2	66-130/14
74-87-3	Chloromethane	ND		5250	4570	87	3890	74	16	46-137/22
124-48-1	Dibromochloromethane	ND		5250	6050	115	5950	113	2	61-138/15
95-50-1	1,2-Dichlorobenzene	ND		5250	5130	98	5460	104	6	46-139/18
541-73-1	1,3-Dichlorobenzene	ND		5250	5310	101	5440	104	2	44-143/19
106-46-7	1,4-Dichlorobenzene	ND		5250	5360	102	5460	104	2	44-143/20
75-71-8	Dichlorodifluoromethane	ND		5250	3990	76	4270	81	7	43-139/25
75-34-3	1,1-Dichloroethane	ND		5250	5150	98	4990	95	3	67-131/15
107-06-2	1,2-Dichloroethane	ND		5250	5920	113	5690	108	4	61-135/14
75-35-4	1,1-Dichloroethene	ND		5250	5340	102	5220	99	2	60-130/19
156-59-2	cis-1,2-Dichloroethene	ND		5250	5320	101	5120	98	4	63-132/16
156-60-5	trans-1,2-Dichloroethene	ND		5250	5120	98	4900	93	4	63-131/18
78-87-5	1,2-Dichloropropane	ND		5250	4910	94	4890	93	0	64-132/14
10061-01-5	cis-1,3-Dichloropropene	ND		5250	5500	105	5300	101	4	58-133/16
10061-02-6	trans-1,3-Dichloropropene	ND		5250	5880	112	5820	111	1	53-138/18
100-41-4	Ethylbenzene	ND		5250	5690	108	5630	107	1	49-143/20
75-09-2	Methylene chloride	ND		5250	4880	93	4920	94	1	57-130/15
79-34-5	1,1,2,2-Tetrachloroethane	ND		5250	4830	92	4850	92	0	41-135/23
127-18-4	Tetrachloroethene	ND		5250	5680	108	5510	105	3	27-207/27
108-88-3	Toluene	ND		5250	5530	105	5330	102	4	48-145/16
71-55-6	1,1,1-Trichloroethane	ND		5250	5860	112	5700	109	3	60-136/19
79-00-5	1,1,2-Trichloroethane	ND		5250	5410	103	5200	99	4	62-131/15
79-01-6	Trichloroethene	ND		5250	5590	106	5460	104	2	59-146/18
75-69-4	Trichlorofluoromethane	ND		5250	5630	107	5340	102	5	27-140/24
75-01-4	Vinyl chloride	ND		5250	4890	93	4690	89	4	49-142/20
1330-20-7	Xylene (total)	ND		15800	17500	111	17000	108	3	45-146/17

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N5247-4MS [a]	I50262.D	1	01/01/02	RFY	n/a	n/a	VI2012
N5247-4MSD [a]	I50263.D	1	01/01/02	RFY	n/a	n/a	VI2012
N5247-4 [a]	I50259.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Surrogate Recoveries	MS	MSD	N5247-4	Limits
1868-53-7	Dibromofluoromethane	96%	97%	92%	55-132%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	96%	54-129%
2037-26-5	Toluene-D8	97%	97%	97%	65-133%
460-00-4	4-Bromofluorobenzene	98%	100%	107%	58-137%

(a) Methanol preservation/extraction.

Blank Spike Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2012-BS	I50261.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
107-02-8	Acrolein	25000	32900	132	1-219
71-43-2	Benzene	2500	2520	101	74-127
75-27-4	Bromodichloromethane	2500	2740	110	71-134
75-25-2	Bromoform	2500	3000	120	63-144
74-83-9	Bromomethane	2500	2580	103	64-138
56-23-5	Carbon tetrachloride	2500	2890	116	58-144
108-90-7	Chlorobenzene	2500	2690	108	77-124
75-00-3	Chloroethane	2500	2550	102	64-143
110-75-8	2-Chloroethyl vinyl ether	12500	11000	88	28-165
67-66-3	Chloroform	2500	2460	98	72-129
74-87-3	Chloromethane	2500	2210	88	51-146
124-48-1	Dibromochloromethane	2500	2890	116	69-137
95-50-1	1,2-Dichlorobenzene	2500	2460	98	73-127
541-73-1	1,3-Dichlorobenzene	2500	2510	100	74-122
106-46-7	1,4-Dichlorobenzene	2500	2510	100	73-126
75-71-8	Dichlorodifluoromethane	2500	1980	79	47-143
75-34-3	1,1-Dichloroethane	2500	2390	96	70-130
107-06-2	1,2-Dichloroethane	2500	2740	110	67-138
75-35-4	1,1-Dichloroethene	2500	2480	99	64-129
156-59-2	cis-1,2-Dichloroethene	2500	2380	95	70-127
156-60-5	trans-1,2-Dichloroethene	2500	2330	93	65-128
78-87-5	1,2-Dichloropropane	2500	2300	92	71-132
10061-01-5	cis-1,3-Dichloropropene	2500	2450	98	67-124
10061-02-6	trans-1,3-Dichloropropene	2500	2600	104	63-126
100-41-4	Ethylbenzene	2500	2590	104	76-127
75-09-2	Methylene chloride	2500	2350	94	62-129
79-34-5	1,1,2,2-Tetrachloroethane	2500	2370	95	42-147
127-18-4	Tetrachloroethene	2500	2670	107	44-179
108-88-3	Toluene	2500	2560	102	74-126
71-55-6	1,1,1-Trichloroethane	2500	2720	109	64-136
79-00-5	1,1,2-Trichloroethane	2500	2580	103	70-132
79-01-6	Trichloroethene	2500	2580	103	73-135
75-69-4	Trichlorofluoromethane	2500	2890	116	52-147
75-01-4	Vinyl chloride	2500	2440	98	57-144
1330-20-7	Xylene (total)	7500	8140	109	77-126

Blank Spike Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2012-BS	I50261.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	55-132%
17060-07-0	1,2-Dichloroethane-D4	102%	54-129%
2037-26-5	Toluene-D8	98%	65-133%
460-00-4	4-Bromofluorobenzene	96%	58-137%

Method Blank Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2012-MB1	I50253.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	2500	ug/kg	
107-13-1	Acrylonitrile	ND	2500	ug/kg	
71-43-2	Benzene	ND	50	ug/kg	
75-27-4	Bromodichloromethane	ND	250	ug/kg	
75-25-2	Bromoform	ND	250	ug/kg	
74-83-9	Bromomethane	ND	250	ug/kg	
56-23-5	Carbon tetrachloride	ND	250	ug/kg	
108-90-7	Chlorobenzene	ND	250	ug/kg	
75-00-3	Chloroethane	ND	250	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1000	ug/kg	
67-66-3	Chloroform	ND	250	ug/kg	
74-87-3	Chloromethane	ND	250	ug/kg	
124-48-1	Dibromochloromethane	ND	250	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	250	ug/kg	
75-34-3	1,1-Dichloroethane	ND	250	ug/kg	
107-06-2	1,2-Dichloroethane	ND	250	ug/kg	
75-35-4	1,1-Dichloroethene	ND	250	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	250	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	250	ug/kg	
78-87-5	1,2-Dichloropropane	ND	250	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	250	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	50	ug/kg	
75-09-2	Methylene chloride	ND	250	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	ug/kg	
127-18-4	Tetrachloroethene	ND	250	ug/kg	
108-88-3	Toluene	ND	50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	250	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	250	ug/kg	
79-01-6	Trichloroethene	ND	250	ug/kg	
75-69-4	Trichlorofluoromethane	ND	250	ug/kg	
75-01-4	Vinyl chloride	ND	250	ug/kg	
1330-20-7	Xylene (total)	ND	100	ug/kg	

Method Blank Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2012-MB1	I50253.D	1	01/01/02	RFY	n/a	n/a	VI2012

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4873-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	55-132%
17060-07-0	1,2-Dichloroethane-D4	99%	54-129%
2037-26-5	Toluene-D8	94%	65-133%
460-00-4	4-Bromofluorobenzene	109%	58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.75	2300	ug/kg	JN
	Total TIC, Volatile		2300	ug/kg	

Instrument Performance Check (BFB)

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample:	VI2008-BFB2	**Injection Date:**	12/28/01
Lab File ID:	I50138.D	**Injection Time:**	21:05
Instrument ID:	GCMSI		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7987	25.3		Pass
75	30.0 - 60.0% of mass 95	18919	59.8		Pass
95	Base peak, 100% relative abundance	31616	100.0		Pass
96	5.0 - 9.0% of mass 95	2116	6.7		Pass
173	Less than 2.0% of mass 174	67	0.21	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	23424	74.1		Pass
175	5.0 - 9.0% of mass 174	1720	5.4	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	23408	74.0	(99.9) [a]	Pass
177	5.0 - 9.0% of mass 176	1596	5.0	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2008-CC1986	I50139.D	12/28/01	21:44	00:39	Continuing cal 50
VI2008-MB2	I50141.D	12/28/01	23:02	01:57	Method Blank
VI2008-BS	I50142.D	12/28/01	23:41	02:36	Blank Spike
ZZZZZZ	I50143.D	12/29/01	00:19	03:14	(unrelated sample)
ZZZZZZ	I50144.D	12/29/01	00:59	03:54	(unrelated sample)
ZZZZZZ	I50145.D	12/29/01	01:38	04:33	(unrelated sample)
ZZZZZZ	I50146.D	12/29/01	02:17	05:12	(unrelated sample)
ZZZZZZ	I50147.D	12/29/01	02:56	05:51	(unrelated sample)
ZZZZZZ	I50148.D	12/29/01	03:35	06:30	(unrelated sample)
VI2009-MB1	I50149.D	12/29/01	04:14	07:09	Method Blank
VI2009-BS	I50150.D	12/29/01	04:54	07:49	Blank Spike
ZZZZZZ	I50151.D	12/29/01	05:33	08:28	(unrelated sample)
ZZZZZZ	I50152.D	12/29/01	06:12	09:07	(unrelated sample)
ZZZZZZ	I50153.D	12/29/01	06:51	09:46	(unrelated sample)
ZZZZZZ	I50154.D	12/29/01	07:30	10:25	(unrelated sample)
ZZZZZZ	I50155.D	12/29/01	08:09	11:04	(unrelated sample)
ZZZZZZ	I50156.D	12/29/01	08:48	11:43	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample:	VI2009-BFB1	**Injection Date:**	12/29/01
Lab File ID:	I50157.D	**Injection Time:**	09:27
Instrument ID:	GCMSI		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	7499	25.5	Pass
75	30.0 - 60.0% of mass 95	17464	59.5	Pass
95	Base peak, 100% relative abundance	29352	100.0	Pass
96	5.0 - 9.0% of mass 95	2073	7.1	Pass
173	Less than 2.0% of mass 174	0	0.0 (0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	21912	74.7	Pass
175	5.0 - 9.0% of mass 174	1595	5.4 (7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	21197	72.2 (96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1338	4.6 (6.3) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2009-CC1986	I50158.D	12/29/01	10:06	00:39	Continuing cal 50
VI2009-MB2	I50160.D	12/29/01	11:24	01:57	Method Blank
N4921-18	I50161.D	12/29/01	12:03	02:36	(used for QC only; not part of job N4873)
N4921-18MS	I50162.D	12/29/01	12:42	03:15	Matrix Spike
N4921-18MSD	I50163.D	12/29/01	13:21	03:54	Matrix Spike Duplicate
ZZZZZZ	I50164.D	12/29/01	14:00	04:33	(unrelated sample)
ZZZZZZ	I50165.D	12/29/01	14:39	05:12	(unrelated sample)
N4873-1	I50167.D	12/29/01	15:57	06:30	SE-1 (17.5')

Instrument Performance Check (BFB)

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample:	VI2012-BFB	**Injection Date:**	12/31/01
Lab File ID:	I50250.D	**Injection Time:**	23:57
Instrument ID:	GCMSI		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	6704	23.9	Pass
75	30.0 - 60.0% of mass 95	16709	59.6	Pass
95	Base peak, 100% relative abundance	28051	100.0	Pass
96	5.0 - 9.0% of mass 95	2097	7.5	Pass
173	Less than 2.0% of mass 174	0	0.0 (0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	19819	70.7	Pass
175	5.0 - 9.0% of mass 174	1422	5.1 (7.2) [a]	Pass
176	95.0 - 101.0% of mass 174	19499	69.5 (98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	1298	4.6 (6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI2012-MB1	I50253.D	01/01/02	01:54	01:57	Method Blank
ZZZZZZ	I50254.D	01/01/02	02:33	02:36	(unrelated sample)
N4873-1	I50255.D	01/01/02	03:13	03:16	SE-1 (17.5')
ZZZZZZ	I50256.D	01/01/02	03:52	03:55	(unrelated sample)
ZZZZZZ	I50257.D	01/01/02	04:31	04:34	(unrelated sample)
ZZZZZZ	I50258.D	01/01/02	05:10	05:13	(unrelated sample)
N5247-4	I50259.D	01/01/02	05:49	05:52	(used for QC only; not part of job N4873)
ZZZZZZ	I50260.D	01/01/02	06:29	06:32	(unrelated sample)
VI2012-BS	I50261.D	01/01/02	07:08	07:11	Blank Spike
N5247-4MS	I50262.D	01/01/02	07:47	07:50	Matrix Spike
N5247-4MSD	I50263.D	01/01/02	08:26	08:29	Matrix Spike Duplicate
ZZZZZZ	I50264.D	01/01/02	09:05	09:08	(unrelated sample)
ZZZZZZ	I50265.D	01/01/02	09:45	09:48	(unrelated sample)
ZZZZZZ	I50266.D	01/01/02	10:24	10:27	(unrelated sample)
ZZZZZZ	I50267.D	01/01/02	11:03	11:06	(unrelated sample)

Initial Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI1986-ICC1986
Lab FileID: I49372.D

Response Factor Report MSI

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 14:27:46 2001
Response via : Initial Calibration

Calibration Files
400 =I49379.D 100 =I49375.D 1 =I49374.D
50 =I49372.D 20 =I49371.D 5 =I49370.D 10 =I49373.D

	Compound	400	100	1	50	20	5	10	Avg	%RSD
1) I	Tert Butyl Alcohol-d9	ISTD								
2)M	tertiary butyl al	1.428	1.338		1.379	1.287	1.035	1.360	1.304	10.73
3) I	pentafluorobenzene	ISTD								
4)M	chlorodifluoromet	0.482	0.523		0.509	0.463	0.470	0.532	0.497	5.80
5)M	dichlorodifluorom	0.321	0.396		0.417	0.413	0.466	0.471	0.414	13.23
6)M	Dichlorotetrafluo	0.310	0.353	0.382	0.350	0.342	0.316	0.367	0.346	7.50
7)M	chloromethane	0.209	0.241		0.238	0.231	0.226	0.274	0.236	9.24
8)M	vinyl chloride	0.176	0.202		0.208	0.228	0.220	0.221	0.209	9.09
9)M	1,3-butadiene	0.054	0.066		0.061	0.061	0.029	0.058	0.055	24.69
10)M	bromomethane	0.251	0.283		0.280	0.310	0.251	0.292	0.278	8.43
11)M	chloroethane	0.117	0.138		0.134	0.142	0.128	0.134	0.132	6.73
12)M	trichlorofluorome	0.801	0.865		0.817	0.817	0.668	0.721	0.781	9.32
13)M	ethyl ether	0.106	0.117	0.081	0.114	0.116	0.100	0.114	0.107	11.89
14)M	acrolein		0.017	0.013	0.017	0.020	0.019	0.018	0.017	13.20
15)M	freon 113	0.432	0.547		0.532	0.497	0.512	0.550	0.512	8.61
16)M	acetone	0.078	0.062		0.056	0.060	0.072	0.099	0.071	22.42
17)M	1,1-dichloroethen	0.302	0.317	0.215	0.309	0.293	0.280	0.319	0.291	12.46
18)M	acetonitrile	0.009	0.011		0.011	0.009	0.007	0.012	0.010	17.21
19)M	iodomethane	0.833	0.928	0.844	0.916	0.918	0.907	0.966	0.902	5.22
20)M	methyl acetate	0.136	0.163		0.160	0.158	0.117	0.178	0.152	14.18
21)M	allyl chloride	0.341	0.379		0.372	0.366	0.388	0.385	0.372	4.59
22)M	methylene chlorid	0.283	0.308	0.327	0.299	0.307	0.316	0.327	0.310	5.04
23)M	carbon disulfide	0.702	0.762	0.607	0.740	0.721	0.717	0.757	0.715	7.34
24)M	acrylonitrile								0.000	-1.00
25)M	methyl tert butyl	0.786	0.847	0.960	0.834	0.860	0.886	0.886	0.865	6.22
26)M	trans-1,2-dichlor	0.337	0.357	0.335	0.360	0.353	0.351	0.374	0.352	3.84
27)M	hexane	0.257	0.274		0.273	0.278	0.261	0.318	0.277	7.93
28)M	di-isopropyl ethe	1.042	1.165		1.141	1.079	1.102	1.236	1.127	6.11
29)M	1,1-dichloroethan	0.633	0.680	0.656	0.677	0.669	0.689	0.719	0.675	3.95
30)M	vinyl acetate	0.054	0.053		0.058	0.052	0.032	0.056	0.051	18.50
31)M	chloroprene	0.529	0.543		0.547	0.477	0.448	0.545	0.515	8.15
32)M	ethyl tert-butyl	1.064	1.154		1.131	1.092	1.119	1.219	1.130	4.77
33)M	2-butanone	0.088	0.074		0.067	0.070	0.039	0.090	0.071	25.81
34)M	2,2-dichloropropa	0.427	0.509	0.480	0.551	0.536	0.523	0.593	0.517	10.28
35)M	ethyl acetate	0.198	0.225		0.215	0.196	0.218	0.210	0.210	5.44
36)M	cis-1,2-dichloroe	0.350	0.361	0.302	0.374	0.356	0.357	0.387	0.355	7.48
37)M	methacrylonitrile	0.175	0.182		0.175	0.153	0.079	0.192	0.159	25.94
38)M	chloroform	0.898	0.927	0.925	0.923	0.910	0.931	0.984	0.928	2.92
39)M	bromochloromethan	0.265	0.272	0.150	0.269	0.268	0.255	0.269	0.250	17.76
40)M	tetrahydrofuran	0.043	0.046		0.056	0.057	0.040	0.047	0.048	14.67
41)M	1,1,1-trichloroet	0.733	0.864	0.551	0.886	0.887	0.863	0.946	0.819	16.43
42)S	dibromofluorometh	0.714	0.728	0.704	0.715	0.709	0.707	0.716	0.713	1.11
43)S	1,2-dichloroethan	0.487	0.573	0.518	0.526	0.523	0.509	0.514	0.521	5.05
44) I	1,4-difluorobenzene	ISTD								

Initial Calibration Summary

Job Number: N4873 **Sample:** VI1986-ICC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I49372.D
Project: Fleet Bank, Wall, NJ

45)M	1,1-dichloroprope	0.573	0.581	0.533	0.601	0.589	0.564	0.636	0.583	5.49
46)M	isopropyl acetate	1.598	1.684		1.670	1.566	1.641	1.813	1.662	5.18
47)M	carbon tetrachlor	0.932	0.988	0.850	0.988	0.953	0.882	1.002	0.942	6.15
48)M	cyclohexane	0.339	0.380	0.220	0.395	0.392	0.351	0.394	0.353	17.74
49)M	tert-amyl methyl	0.887	0.990		0.984	0.924	0.949	1.053	0.964	6.02
50)M	heptane	0.427	0.347		0.359	0.317	0.261	0.350	0.344	15.84
51)M	1,2-dichloroethan	0.647	0.690	0.846	0.693	0.694	0.733	0.717	0.717	8.73
52)M	benzene	0.765	0.836	0.937	0.859	0.852	0.861	0.905	0.859	6.29
53)M	Di-isobutylene	0.644	0.820		0.940	1.125	1.866	1.454	1.141	39.47
54)M	ethyl acrylate	0.475	0.408		0.329	0.292	0.230	0.261	0.333	27.95
55)M	trichloroethene	0.512	0.538	0.555	0.545	0.540	0.534	0.567	0.542	3.20
56)M	methylcyclohexane	0.353	0.395	0.531	0.403	0.377	0.372	0.406	0.405	14.44
57)M	1,2-dichloropropa	0.362	0.381	0.455	0.399	0.402	0.413	0.424	0.405	7.39
58)M	propyl acetate	0.395	0.420		0.406	0.387	0.357	0.476	0.407	9.86
59)M	methyl methacryla	0.197	0.195		0.191	0.198	0.187	0.192	0.194	2.12
60)M	bromodichlorometh	1.024	1.042	0.901	1.028	1.014	0.954	1.012	0.996	5.05
61)M	1,4-dioxane	0.001	0.002		0.002	0.001	0.001	0.001	0.001	29.41
62)M	dibromomethane	0.487	0.511	0.466	0.505	0.495	0.512	0.509	0.498	3.34
63)M	2-chloroethyl vin	0.163	0.154		0.139	0.110	0.089	0.115	0.128	22.16
64)M	4-methyl-2-pentan	0.097	0.106		0.101	0.101	0.091	0.107	0.101	6.00
65)M	cis-1,3-dichlorop	0.653	0.637	0.501	0.629	0.578	0.525	0.615	0.591	9.90
66)S	toluene-d8 (s)	0.938	0.926	0.884	0.903	0.902	0.897	0.893	0.906	2.08
67)M	toluene	0.591	0.616	0.606	0.626	0.600	0.623	0.642	0.615	2.85
68)M	trans-1,3-dichlor	0.608	0.569	0.357	0.541	0.471	0.433	0.471	0.493	17.47
69)M	ethyl methacrylat	0.431	0.447	0.352	0.446	0.426	0.398	0.424	0.418	8.05
70)M	1,1,2-trichloroet	0.305	0.333	0.285	0.332	0.326	0.328	0.341	0.322	6.02
71)M	2-hexanone	0.229	0.195		0.176	0.192	0.174	0.226	0.199	11.93
72) I	chlorobenzene-d5	----------	ISTD	----------						
73)M	1,3-dichloropropa	0.704	0.716	0.649	0.730	0.578	0.686	0.660	0.675	7.65
74)M	butyl acetate	0.203	0.217		0.213	0.149	0.152	0.185	0.187	16.11
75)M	tetrachloroethene	0.791	0.822	0.877	0.899	0.728	0.828	0.845	0.827	6.82
76)M	dibromochlorometh	1.185	1.157	0.854	1.157	0.908	0.960	1.007	1.033	12.95
77)M	1,2-dibromoethane	0.764	0.755	0.652	0.764	0.588	0.641	0.669	0.690	10.23
78)M	chlorobenzene	1.024	1.067	0.995	1.108	0.883	1.041	1.033	1.022	6.91
79)M	1,1,1,2-tetrachlo	0.709	0.746	0.696	0.780	0.606	0.682	0.702	0.703	7.73
80)M	ethylbenzene	1.524	1.648	1.670	1.725	1.353	1.518	1.577	1.574	7.87
81)M	m,p-xylene	0.543	0.573	0.593	0.599	0.497	0.551	0.583	0.563	6.29
82)M	o-xylene	0.547	0.560	0.550	0.613	0.483	0.551	0.566	0.553	6.90
83)M	styrene	0.966	0.961	0.713	0.988	0.744	0.753	0.832	0.851	13.96
84)M	butyl acrylate	0.962	0.924	0.706	0.854	0.560	0.506	0.589	0.729	25.46
85)M	bromoform	0.744	0.757	0.522	0.750	0.571	0.576	0.625	0.649	15.29
86)	1-chlorohexane	0.321	0.330	0.252	0.327	0.252	0.303	0.328	0.302	11.71
87)M	cyclohexanone	0.553	0.117	0.495	0.166	0.185	0.234	0.597	0.335	60.94
88) I	1,4-dichlorobenzene-d	----------	ISTD	----------						
89)S	4-bromofluorobenz	1.048	1.007	1.138	1.013	1.037	1.061	1.065	1.053	4.14
90)M	isopropylbenzene	2.248	2.455		2.623	2.745	2.909	3.044	2.671	10.97
91)M	1,1,2,2-tetrachlo	0.932	0.978	1.261	0.992	1.051	1.142	1.137	1.071	10.78
92)M	1,2,3-trichloropr	0.660	0.680		0.764	0.882	1.263	0.911	0.860	25.83
93)M	trans-1,4-dichlor	0.224	0.177		0.151	0.120	0.072	0.122	0.144	36.31
94)M	n-propylbenzene	2.708	2.911	3.834	3.040	3.060	3.130	3.342	3.146	11.44
95)M	bromobenzene	0.944	0.995	1.191	1.041	1.057	1.087	1.122	1.062	7.65
96)M	1,3,5-trimethylbe	2.012	2.199	3.193	2.342	2.471	2.660	2.669	2.507	15.36
97)M	2-chlorotoluene	2.065	2.187	2.827	2.505	2.509	2.387	2.846	2.475	11.92
98)M	4-chlorotoluene	2.362	2.556	3.338	2.488	2.645	2.974	2.805	2.738	12.17
99)M	tert-butylbenzene	1.728	1.905		1.997	2.018	2.202	2.261	2.019	9.67
100)M	1,2,4-trimethylbe	1.972	2.184		2.311	2.359	2.508	2.561	2.316	9.35
101)M	vinyl toluene								0.000	-1.00
102)M	pentachloroethane	0.824	0.857	0.912	0.887	0.863	0.860	0.936	0.877	4.28

Initial Calibration Summary

Job Number: N4873 **Sample:** VI1986-ICC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I49372.D
Project: Fleet Bank, Wall, NJ

103)M	sec-butylbenzene	2.431	2.606	3.406	2.752	2.732	2.679	2.996	2.800	11.30
104)M	p-isopropyltoluen	2.052	2.202	2.664	2.298	2.266	2.330	2.384	2.314	8.12
105)M	1,3-dichlorobenze	1.388	1.409	1.667	1.431	1.440	1.417	1.499	1.464	6.55
106)M	1,4-dichlorobenze	1.479	1.525	1.772	1.561	1.584	1.662	1.590	1.596	6.02
107)M	n-butylbenzene	1.970	2.068	2.327	2.069	1.939	1.800	2.013	2.027	7.96
108)M	1,2-dichlorobenze	1.338	1.367	1.660	1.410	1.416	1.569	1.490	1.464	7.91
109)M	hexachloroethane	0.734	0.771	0.658	0.796	0.753	0.721	0.815	0.750	6.97
110)M	1,2-dibromo-3-chl	0.301	0.279		0.267	0.254	0.242	0.284	0.271	7.78
111)M	1,2,4-trichlorobe	0.892	0.901		0.836	0.699	0.464	0.742	0.756	21.69
112)M	hexachlorobutadie	0.628	0.731	1.004	0.770	0.697	0.691	0.870	0.770	16.61
113)M	naphthalene	1.203	1.104	0.758	0.918	0.835	0.626	0.865	0.901	21.95
114)M	1,2,3-trichlorobe	0.736	0.749	0.523	0.703	0.654	0.441	0.714	0.646	18.30

Average % RSD = 11.7

(#) = Out of Range ### Number of calibration levels exceeded format ###

MI1986.M Mon Dec 10 14:30:05 2001 GCMS1

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2008-CC1986
Lab FileID: I50139.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\I50139.D
Acq On : 28 Dec 2001 9:44 pm
Sample : CC1986-50
Misc : MS58721,VI2008,10,,100,25,1
MS Integration Params: RTEIN2.P

Vial: 10
Operator: RUIFENGY
Inst : MSI
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	81	0.00
2	M	tertiary butyl alcohol	1.304	1.168	10.4	68	-0.03
3	I	pentafluorobenzene	1.000	1.000	0.0	77	-0.04
4	M	chlorodifluoromethane	0.497	0.504	-1.4	76	-0.03
5	M	dichlorodifluoromethane	0.414	0.307	25.8#	57	-0.02
6	M	Dichlorotetrafluoroethane	0.346	0.298	13.9	65	-0.04
7	M	chloromethane	0.236	0.203	14.0	66	0.00
8	M	vinyl chloride	0.209	0.196	6.2	72	-0.02
9	M	1,3-butadiene	0.055	0.049	10.9	61	-0.05
10	M	bromomethane	0.278	0.281	-1.1	77	0.00
11	M	chloroethane	0.132	0.136	-3.0	78	-0.04
12	M	trichlorofluoromethane	0.781	0.924	-18.3	87	-0.03
13	M	ethyl ether	0.107	0.104	2.8	70	-0.06
14	M	acrolein	0.017	0.013	23.5#	58	0.00
15	M	freon 113	0.512	0.413	19.3	60	-0.02
16	M	acetone	0.071	0.064	9.9	88	-0.02
17	M	1,1-dichloroethene	0.291	0.293	-0.7	73	-0.05
18	M	acetonitrile	0.010	0.010	0.0	71	0.00
19	M	iodomethane	0.902	0.911	-1.0	76	-0.03
20	M	methyl acetate	0.152	0.187	-23.0#	90	-0.04
21	M	allyl chloride	0.372	0.344	7.5	71	-0.03
22	M	methylene chloride	0.310	0.284	8.4	73	-0.03
23	M	carbon disulfide	0.715	0.672	6.0	70	-0.05
24	M	acrylonitrile	0.000	0.031	0.0	0#	-0.04
25	M	methyl tert butyl ether	0.865	0.857	0.9	79	-0.03
26	M	trans-1,2-dichloroethene	0.352	0.338	4.0	72	-0.02
27	M	hexane	0.277	0.236	14.8	67	-0.03
28	M	di-isopropyl ether	1.127	1.058	6.1	71	-0.04
29	M	1,1-dichloroethane	0.675	0.654	3.1	74	-0.05
30	M	vinyl acetate	0.051	0.050	2.0	66	-0.04
31	M	chloroprene	0.515	0.547	-6.2	77	-0.03
32	M	ethyl tert-butyl ether	1.130	1.145	-1.3	78	-0.02
33	M	2-butanone	0.071	0.067	5.6	77	-0.04
34	M	2,2-dichloropropane	0.517	0.500	3.3	70	-0.03
35	M	ethyl acetate	0.210	0.195	7.1	70	-0.02
36	M	cis-1,2-dichloroethene	0.355	0.354	0.3	73	-0.03
37	M	methacrylonitrile	0.159	0.157	1.3	69	-0.05
38	M	chloroform	0.928	0.951	-2.5	79	-0.04
39	M	bromochloromethane	0.250	0.263	-5.2	75	-0.04
40	M	tetrahydrofuran	0.048	0.050	-4.2	68	-0.04
41	M	1,1,1-trichloroethane	0.819	0.943	-15.1	82	-0.04

Continuing Calibration Summary

Job Number: N4873 **Sample:** VI2008-CC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I50139.D
Project: Fleet Bank, Wall, NJ

42	S	dibromofluoromethane (s)	0.713	0.705	1.1	76	-0.03
43	S	1,2-dichloroethane-d4 (s)	0.521	0.565	-8.4	83	-0.03
44	I	1,4-difluorobenzene	1.000	1.000	0.0	72	-0.05
45	M	1,1-dichloropropene	0.583	0.631	-8.2	76	-0.03
46	M	isopropyl acetate	1.662	1.662	0.0	72	-0.02
47	M	carbon tetrachloride	0.942	1.125	-19.4	82	-0.04
48	M	cyclohexane	0.353	0.346	2.0	63	-0.04
49	M	tert-amyl methyl ether	0.964	1.031	-7.0	76	-0.03
50	M	heptane	0.344	0.268	22.1#	54	-0.08
51	M	1,2-dichloroethane	0.717	0.800	-11.6	83	-0.04
52	M	benzene	0.859	0.851	0.9	71	-0.05
53	M	Di-isobutylene	1.141	0.901	21.0#	69	-0.03
54	M	ethyl acrylate	0.333	0.280	15.9	61	-0.04
55	M	trichloroethene	0.542	0.582	-7.4	77	-0.03
56	M	methylcyclohexane	0.405	0.311	23.2#	56	-0.04
57	M	1,2-dichloropropane	0.405	0.384	5.2	69	-0.04
58	M	propyl acetate	0.407	0.400	1.7	71	-0.03
59	M	methyl methacrylate	0.194	0.204	-5.2	77	-0.02
60	M	bromodichloromethane	0.996	1.131	-13.6	79	-0.05
61	M	1,4-dioxane	0.001	0.002	-100.0#	68	-0.05
62	M	dibromomethane	0.498	0.550	-10.4	79	-0.04
63	M	2-chloroethyl vinyl ether	0.128	0.143	-11.7	75	-0.03
64	M	4-methyl-2-pentanone	0.101	0.104	-3.0	74	-0.04
65	M	cis-1,3-dichloropropene	0.591	0.626	-5.9	72	-0.05
66	S	toluene-d8 (s)	0.906	0.913	-0.8	73	-0.03
67	M	toluene	0.615	0.632	-2.8	73	-0.04
68	M	trans-1,3-dichloropropene	0.493	0.569	-15.4	76	-0.03
69	M	ethyl methacrylate	0.418	0.449	-7.4	73	-0.03
70	M	1,1,2-trichloroethane	0.322	0.330	-2.5	72	-0.04
71	M	2-hexanone	0.199	0.194	2.5	79	-0.03
72	I	chlorobenzene-d5	1.000	1.000	0.0	75	-0.04
73	M	1,3-dichloropropane	0.675	0.736	-9.0	75	-0.04
74	M	butyl acetate	0.187	0.206	-10.2	72	-0.03
75	M	tetrachloroethene	0.827	0.927	-12.1	77	-0.03
76	M	dibromochloromethane	1.033	1.228	-18.9	79	-0.04
77	M	1,2-dibromoethane	0.690	0.782	-13.3	77	-0.04
78	M	chlorobenzene	1.022	1.114	-9.0	75	-0.05
79	M	1,1,1,2-tetrachloroethane	0.703	0.843	-19.9	81	-0.04
80	M	ethylbenzene	1.574	1.741	-10.6	76	-0.04
81	M	m,p-xylene	0.563	0.618	-9.8	77	-0.03
82	M	o-xylene	0.553	0.621	-12.3	76	-0.03
83	M	styrene	0.851	0.965	-13.4	73	-0.04
84	M	butyl acrylate	0.729	0.672	7.8	59	-0.03
85	M	bromoform	0.649	0.825	-27.1#	82	-0.04
86		1-chlorohexane	0.302	0.358	-18.5	82	-0.03
87	M	cyclohexanone	0.335	0.108	67.8#	49#	-0.05
88	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	75	-0.05
89	S	4-bromofluorobenzene (s)	1.053	1.059	-0.6	78	-0.04
90	M	isopropylbenzene	2.671	2.692	-0.8	77	-0.04
91	M	1,1,2,2-tetrachloroethane	1.071	0.990	7.6	75	-0.04
92	M	1,2,3-trichloropropane	0.860	0.869	-1.0	85	-0.05
93	M	trans-1,4-dichloro-2-butene	0.144	0.157	-9.0	78	-0.04
94	M	n-propylbenzene	3.146	2.999	4.7	74	-0.03
95	M	bromobenzene	1.062	1.078	-1.5	78	-0.04
96	M	1,3,5-trimethylbenzene	2.507	2.415	3.7	77	-0.03
97	M	2-chlorotoluene	2.475	2.456	0.8	74	-0.03
98	M	4-chlorotoluene	2.738	2.525	7.8	76	-0.04

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2008-CC1986
Lab FileID: I50139.D

99	M	tert-butylbenzene	2.019	2.093	-3.7	79	-0.03
100	M	1,2,4-trimethylbenzene	2.316	2.347	-1.3	76	-0.04
101	M	vinyl toluene	0.000	0.000	0.0	0#	-0.02
102	M	pentachloroethane	0.877	0.968	-10.4	82	-0.04
103	M	sec-butylbenzene	2.800	2.730	2.5	74	-0.04
104	M	p-isopropyltoluene	2.314	2.317	-0.1	76	-0.03
105	M	1,3-dichlorobenzene	1.464	1.454	0.7	76	-0.04
106	M	1,4-dichlorobenzene	1.596	1.608	-0.8	77	-0.04
107	M	n-butylbenzene	2.027	2.019	0.4	73	-0.03
108	M	1,2-dichlorobenzene	1.464	1.414	3.4	75	-0.03
109	M	hexachloroethane	0.750	0.868	-15.7	82	-0.03
110	M	1,2-dibromo-3-chloropropane	0.271	0.284	-4.8	80	-0.04
111	M	1,2,4-trichlorobenzene	0.756	0.819	-8.3	74	-0.03
112	M	hexachlorobutadiene	0.770	0.809	-5.1	79	-0.03
113	M	naphthalene	0.901	0.873	3.1	71	-0.03
114	M	1,2,3-trichlorobenzene	0.646	0.580	10.2	62	-0.03

Average % D = 9.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I49372.D MI1986.M Tue Jan 01 09:44:01 2002 GCMS1

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2009-CC1986
Lab FileID: I50158.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\I50158.D
Acq On : 29 Dec 2001 10:06 am
Sample : CC1986-50
Misc : MS58651,VI2009,10,,100,25,1
MS Integration Params: RTEIN2.P

Vial: 29
Operator: RUIFENGY
Inst : MSI
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	76	-0.02
2	M	tertiary butyl alcohol	1.304	1.436	-10.1	79	-0.02
3	I	pentafluorobenzene	1.000	1.000	0.0	74	-0.04
4	M	chlorodifluoromethane	0.497	0.497	0.0	72	0.00
5	M	dichlorodifluoromethane	0.414	0.361	12.8	64	-0.02
6	M	Dichlorotetrafluoroethane	0.346	0.249	28.0#	53	-0.05
7	M	chloromethane	0.236	0.208	11.9	65	0.02
8	M	vinyl chloride	0.209	0.197	5.7	71	-0.02
9	M	1,3-butadiene	0.055	0.048	12.7	59	-0.02
10	M	bromomethane	0.278	0.279	-0.4	74	-0.02
11	M	chloroethane	0.132	0.132	0.0	73	-0.02
12	M	trichlorofluoromethane	0.781	0.903	-15.6	82	-0.04
13	M	ethyl ether	0.107	0.106	0.9	69	-0.05
14	M	acrolein	0.017	0.011	35.3#	49#	0.00
15	M	freon 113	0.512	0.581	-13.5	81	-0.02
16	M	acetone	0.071	0.066	7.0	87	0.00
17	M	1,1-dichloroethene	0.291	0.273	6.2	66	-0.02
18	M	acetonitrile	0.010	0.010	0.0	69	0.00
19	M	iodomethane	0.902	0.872	3.3	71	-0.02
20	M	methyl acetate	0.152	0.179	-17.8	83	-0.02
21	M	allyl chloride	0.372	0.342	8.1	68	-0.04
22	M	methylene chloride	0.310	0.289	6.8	72	-0.03
23	M	carbon disulfide	0.715	0.624	12.7	63	-0.04
24	M	acrylonitrile	0.000	0.033	0.0	0#	-0.03
25	M	methyl tert butyl ether	0.865	0.859	0.7	76	-0.02
26	M	trans-1,2-dichloroethene	0.352	0.334	5.1	69	-0.02
27	M	hexane	0.277	0.210	24.2#	57	-0.02
28	M	di-isopropyl ether	1.127	1.071	5.0	70	-0.03
29	M	1,1-dichloroethane	0.675	0.657	2.7	72	-0.04
30	M	vinyl acetate	0.051	0.040	21.6#	51	-0.07
31	M	chloroprene	0.515	0.524	-1.7	71	-0.03
32	M	ethyl tert-butyl ether	1.130	1.123	0.6	74	-0.02
33	M	2-butanone	0.071	0.073	-2.8	80	-0.03
34	M	2,2-dichloropropane	0.517	0.350	32.3#	47#	-0.03
35	M	ethyl acetate	0.210	0.198	5.7	68	-0.02
36	M	cis-1,2-dichloroethene	0.355	0.345	2.8	69	-0.04
37	M	methacrylonitrile	0.159	0.162	-1.9	69	-0.05
38	M	chloroform	0.928	0.946	-1.9	76	-0.04
39	M	bromochloromethane	0.250	0.259	-3.6	71	-0.05
40	M	tetrahydrofuran	0.048	0.051	-6.2	68	-0.03
41	M	1,1,1-trichloroethane	0.819	0.918	-12.1	77	-0.03

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2009-CC1986
Lab FileID: I50158.D

42	S	dibromofluoromethane (s)	0.713	0.711	0.3	74	-0.03
43	S	1,2-dichloroethane-d4 (s)	0.521	0.565	-8.4	80	-0.04
44	I	1,4-difluorobenzene	1.000	1.000	0.0	70	-0.05
45	M	1,1-dichloropropene	0.583	0.609	-4.5	71	-0.05
46	M	isopropyl acetate	1.662	1.517	8.7	64	-0.04
47	M	carbon tetrachloride	0.942	1.084	-15.1	77	-0.02
48	M	cyclohexane	0.353	0.329	6.8	58	-0.07
49	M	tert-amyl methyl ether	0.964	1.040	-7.9	74	-0.05
50	M	heptane	0.344	0.175	49.1#	34#	-0.09
51	M	1,2-dichloroethane	0.717	0.791	-10.3	80	-0.05
52	M	benzene	0.859	0.858	0.1	70	-0.05
53	M	Di-isobutylene	1.141	0.829	27.3#	62	-0.04
54	M	ethyl acrylate	0.333	0.255	23.4#	54	-0.06
55	M	trichloroethene	0.542	0.562	-3.7	72	-0.03
56	M	methylcyclohexane	0.405	0.275	32.1#	48#	-0.04
57	M	1,2-dichloropropane	0.405	0.395	2.5	69	-0.05
58	M	propyl acetate	0.407	0.425	-4.4	73	-0.04
59	M	methyl methacrylate	0.194	0.204	-5.2	75	-0.03
60	M	bromodichloromethane	0.996	1.115	-11.9	76	-0.04
61	M	1,4-dioxane	0.001	0.001	0.0	59	-0.04
62	M	dibromomethane	0.498	0.545	-9.4	76	-0.03
63	M	2-chloroethyl vinyl ether	0.128	0.135	-5.5	68	-0.03
64	M	4-methyl-2-pentanone	0.101	0.100	1.0	69	-0.06
65	M	cis-1,3-dichloropropene	0.591	0.587	0.7	65	-0.05
66	S	toluene-d8 (s)	0.906	0.923	-1.9	72	-0.04
67	M	toluene	0.615	0.628	-2.1	70	-0.04
68	M	trans-1,3-dichloropropene	0.493	0.523	-6.1	68	-0.04
69	M	ethyl methacrylate	0.418	0.447	-6.9	70	-0.04
70	M	1,1,2-trichloroethane	0.322	0.339	-5.3	72	-0.04
71	M	2-hexanone	0.199	0.201	-1.0	80	-0.03
72	I	chlorobenzene-d5	1.000	1.000	0.0	73	-0.05
73	M	1,3-dichloropropane	0.675	0.735	-8.9	74	-0.05
74	M	butyl acetate	0.187	0.201	-7.5	69	-0.03
75	M	tetrachloroethene	0.827	0.905	-9.4	74	-0.04
76	M	dibromochloromethane	1.033	1.212	-17.3	77	-0.04
77	M	1,2-dibromoethane	0.690	0.772	-11.9	74	-0.04
78	M	chlorobenzene	1.022	1.099	-7.5	73	-0.05
79	M	1,1,1,2-tetrachloroethane	0.703	0.824	-17.2	77	-0.04
80	M	ethylbenzene	1.574	1.659	-5.4	70	-0.03
81	M	m,p-xylene	0.563	0.604	-7.3	74	-0.03
82	M	o-xylene	0.553	0.616	-11.4	74	-0.05
83	M	styrene	0.851	0.951	-11.8	70	-0.04
84	M	butyl acrylate	0.729	0.636	12.8	55	-0.03
85	M	bromoform	0.649	0.792	-22.0#	77	-0.04
86		1-chlorohexane	0.302	0.348	-15.2	78	-0.05
87	M	cyclohexanone	0.335	0.105	68.7#	46#	-0.04
88	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	72	-0.06
89	S	4-bromofluorobenzene (s)	1.053	1.054	-0.1	75	-0.04
90	M	isopropylbenzene	2.671	2.701	-1.1	74	-0.04
91	M	1,1,2,2-tetrachloroethane	1.071	1.014	5.3	73	-0.03
92	M	1,2,3-trichloropropane	0.860	0.852	0.9	80	-0.05
93	M	trans-1,4-dichloro-2-butene	0.144	0.141	2.1	67	-0.04
94	M	n-propylbenzene	3.146	3.028	3.8	72	-0.04
95	M	bromobenzene	1.062	1.091	-2.7	75	-0.04
96	M	1,3,5-trimethylbenzene	2.507	2.431	3.0	75	-0.03
97	M	2-chlorotoluene	2.475	2.387	3.6	68	-0.04
98	M	4-chlorotoluene	2.738	2.819	-3.0	81	-0.04

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2009-CC1986
Lab FileID: I50158.D

99	M	tert-butylbenzene	2.019	2.102	-4.1	76	-0.03
100	M	1,2,4-trimethylbenzene	2.316	2.367	-2.2	74	-0.04
101	M	vinyl toluene	0.000	0.000	0.0	0#	-0.02
102	M	pentachloroethane	0.877	0.972	-10.8	79	-0.05
103	M	sec-butylbenzene	2.800	2.688	4.0	70	-0.04
104	M	p-isopropyltoluene	2.314	2.248	2.9	70	-0.04
105	M	1,3-dichlorobenzene	1.464	1.450	1.0	73	-0.05
106	M	1,4-dichlorobenzene	1.596	1.562	2.1	72	-0.04
107	M	n-butylbenzene	2.027	1.869	7.8	65	-0.05
108	M	1,2-dichlorobenzene	1.464	1.439	1.7	73	-0.03
109	M	hexachloroethane	0.750	0.842	-12.3	76	-0.05
110	M	1,2-dibromo-3-chloropropane	0.271	0.274	-1.1	74	-0.04
111	M	1,2,4-trichlorobenzene	0.756	0.716	5.3	61	-0.03
112	M	hexachlorobutadiene	0.770	0.737	4.3	69	-0.02
113	M	naphthalene	0.901	0.787	12.7	62	-0.03
114	M	1,2,3-trichlorobenzene	0.646	0.537	16.9	55	-0.02

Average % D = 8.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0

I49372.D MI1986.M Tue Jan 01 12:02:12 2002 GCMS1

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2012-CC1986
Lab FileID: I50251.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\I50251.D
Acq On : 1 Jan 2002 12:36 am
Sample : CC1986-50
Misc : MS58809,VI2012,1,,100,25,1
MS Integration Params: RTEIN2.P

Vial: 14
Operator: RUIFENGY
Inst : MSI
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	65	-0.01
2	M	tertiary butyl alcohol	1.304	1.442	-10.6	68	-0.03
3	I	pentafluorobenzene	1.000	1.000	0.0	71	-0.02
4	M	chlorodifluoromethane	0.497	0.486	2.2	68	0.00
5	M	dichlorodifluoromethane	0.414	0.407	1.7	70	-0.01
6	M	Dichlorotetrafluoroethane	0.346	0.277	19.9	56	-0.04
7	M	chloromethane	0.236	0.227	3.8	68	0.00
8	M	vinyl chloride	0.209	0.223	-6.7	77	0.04
9	M	1,3-butadiene	0.055	0.051	7.3	59	-0.05
10	M	bromomethane	0.278	0.318	-14.4	81	-0.02
11	M	chloroethane	0.132	0.150	-13.6	79	-0.01
12	M	trichlorofluoromethane	0.781	1.020	-30.6#	89	-0.02
13	M	ethyl ether	0.107	0.110	-2.8	68	-0.05
14	M	acrolein	0.017	0.014	17.6	56	-0.02
15	M	freon 113	0.512	0.422	17.6	56	0.00
16	M	acetone	0.071	0.062	12.7	78	-0.04
17	M	1,1-dichloroethene	0.291	0.285	2.1	66	-0.03
18	M	acetonitrile	0.010	0.010	0.0	64	-0.01
19	M	iodomethane	0.902	0.918	-1.8	71	-0.03
20	M	methyl acetate	0.152	0.189	-24.3#	84	-0.02
21	M	allyl chloride	0.372	0.346	7.0	66	-0.03
22	M	methylene chloride	0.310	0.301	2.9	72	-0.02
23	M	carbon disulfide	0.715	0.683	4.5	66	-0.03
24	M	acrylonitrile	0.000	0.033	0.0	0#	-0.03
25	M	methyl tert butyl ether	0.865	0.854	1.3	73	-0.01
26	M	trans-1,2-dichloroethene	0.352	0.344	2.3	68	0.00
27	M	hexane	0.277	0.228	17.7	59	-0.03
28	M	di-isopropyl ether	1.127	1.074	4.7	67	-0.02
29	M	1,1-dichloroethane	0.675	0.654	3.1	69	-0.05
30	M	vinyl acetate	0.051	0.050	2.0	61	-0.06
31	M	chloroprene	0.515	0.538	-4.5	70	-0.02
32	M	ethyl tert-butyl ether	1.130	1.101	2.6	69	-0.01
33	M	2-butanone	0.071	0.056	21.1#	59	-0.02
34	M	2,2-dichloropropane	0.517	0.490	5.2	63	-0.01
35	M	ethyl acetate	0.210	0.201	4.3	66	-0.03
36	M	cis-1,2-dichloroethene	0.355	0.358	-0.8	68	-0.03
37	M	methacrylonitrile	0.159	0.158	0.6	64	-0.03
38	M	chloroform	0.928	0.949	-2.3	73	-0.04
39	M	bromochloromethane	0.250	0.259	-3.6	69	-0.04
40	M	tetrahydrofuran	0.048	0.050	-4.2	63	-0.01
41	M	1,1,1-trichloroethane	0.819	0.949	-15.9	76	-0.03

Continuing Calibration Summary

Job Number: N4873 **Sample:** VI2012-CC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I50251.D
Project: Fleet Bank, Wall, NJ

42	S	dibromofluoromethane (s)	0.713	0.689	3.4	69	-0.03
43	S	1,2-dichloroethane-d4 (s)	0.521	0.546	-4.8	74	-0.02
44	I	1,4-difluorobenzene	1.000	1.000	0.0	66	-0.06
45	M	1,1-dichloropropene	0.583	0.648	-11.1	71	-0.01
46	M	isopropyl acetate	1.662	1.583	4.8	63	-0.01
47	M	carbon tetrachloride	0.942	1.139	-20.9#	76	-0.03
48	M	cyclohexane	0.353	0.385	-9.1	64	-0.03
49	M	tert-amyl methyl ether	0.964	1.065	-10.5	72	-0.04
50	M	heptane	0.344	0.188	45.3#	35#	-0.09
51	M	1,2-dichloroethane	0.717	0.821	-14.5	78	-0.03
52	M	benzene	0.859	0.893	-4.0	69	-0.03
53	M	Di-isobutylene	1.141	0.889	22.1#	63	-0.02
54	M	ethyl acrylate	0.333	0.281	15.6	56	-0.05
55	M	trichloroethene	0.542	0.590	-8.9	72	-0.02
56	M	methylcyclohexane	0.405	0.293	27.7#	48#	-0.05
57	M	1,2-dichloropropane	0.405	0.389	4.0	64	-0.03
58	M	propyl acetate	0.407	0.417	-2.5	68	-0.02
59	M	methyl methacrylate	0.194	0.206	-6.2	71	-0.02
60	M	bromodichloromethane	0.996	1.144	-14.9	74	-0.03
61	M	1,4-dioxane	0.001	0.001	0.0	57	-0.04
62	M	dibromomethane	0.498	0.565	-13.5	74	-0.03
63	M	2-chloroethyl vinyl ether	0.128	0.127	0.8	60	-0.03
64	M	4-methyl-2-pentanone	0.101	0.101	0.0	66	-0.02
65	M	cis-1,3-dichloropropene	0.591	0.642	-8.6	68	-0.04
66	S	toluene-d8 (s)	0.906	0.896	1.1	66	-0.04
67	M	toluene	0.615	0.651	-5.9	69	-0.03
68	M	trans-1,3-dichloropropene	0.493	0.557	-13.0	68	-0.03
69	M	ethyl methacrylate	0.418	0.465	-11.2	69	-0.03
70	M	1,1,2-trichloroethane	0.322	0.346	-7.5	69	-0.03
71	M	2-hexanone	0.199	0.203	-2.0	76	-0.03
72	I	chlorobenzene-d5	1.000	1.000	0.0	69	-0.02
73	M	1,3-dichloropropane	0.675	0.740	-9.6	70	-0.03
74	M	butyl acetate	0.187	0.204	-9.1	66	-0.02
75	M	tetrachloroethene	0.827	0.939	-13.5	72	-0.02
76	M	dibromochloromethane	1.033	1.209	-17.0	72	-0.03
77	M	1,2-dibromoethane	0.690	0.791	-14.6	71	-0.03
78	M	chlorobenzene	1.022	1.154	-12.9	72	-0.02
79	M	1,1,1,2-tetrachloroethane	0.703	0.849	-20.8#	75	-0.03
80	M	ethylbenzene	1.574	1.745	-10.9	70	-0.03
81	M	m,p-xylene	0.563	0.628	-11.5	72	-0.02
82	M	o-xylene	0.553	0.646	-16.8	73	-0.03
83	M	styrene	0.851	0.985	-15.7	69	-0.02
84	M	butyl acrylate	0.729	0.661	9.3	53	-0.02
85	M	bromoform	0.649	0.817	-25.9#	75	-0.03
86		1-chlorohexane	0.302	0.360	-19.2	76	-0.02
87	M	cyclohexanone	0.335	0.094	71.9#	39#	-0.03
88	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	70	-0.03
89	S	4-bromofluorobenzene (s)	1.053	0.996	5.4	69	-0.02
90	M	isopropylbenzene	2.671	2.700	-1.1	72	-0.02
91	M	1,1,2,2-tetrachloroethane	1.071	1.000	6.6	71	-0.03
92	M	1,2,3-trichloropropane	0.860	0.830	3.5	76	-0.03
93	M	trans-1,4-dichloro-2-butene	0.144	0.147	-2.1	68	-0.03
94	M	n-propylbenzene	3.146	3.013	4.2	70	-0.01
95	M	bromobenzene	1.062	1.107	-4.2	75	-0.02
96	M	1,3,5-trimethylbenzene	2.507	2.419	3.5	72	-0.01
97	M	2-chlorotoluene	2.475	2.597	-4.9	73	-0.03
98	M	4-chlorotoluene	2.738	2.579	5.8	73	-0.02

Continuing Calibration Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI2012-CC1986
Lab FileID: I50251.D

99	M	tert-butylbenzene	2.019	2.104	-4.2	74	-0.03
100	M	1,2,4-trimethylbenzene	2.316	2.402	-3.7	73	-0.02
101	M	vinyl toluene	0.000	0.000	0.0	0#	0.00
102	M	pentachloroethane	0.877	0.990	-12.9	78	-0.03
103	M	sec-butylbenzene	2.800	2.732	2.4	70	-0.02
104	M	p-isopropyltoluene	2.314	2.298	0.7	70	-0.03
105	M	1,3-dichlorobenzene	1.464	1.471	-0.5	72	-0.03
106	M	1,4-dichlorobenzene	1.596	1.627	-1.9	73	-0.01
107	M	n-butylbenzene	2.027	1.946	4.0	66	-0.02
108	M	1,2-dichlorobenzene	1.464	1.436	1.9	71	-0.02
109	M	hexachloroethane	0.750	0.862	-14.9	76	-0.03
110	M	1,2-dibromo-3-chloropropane	0.271	0.280	-3.3	73	-0.03
111	M	1,2,4-trichlorobenzene	0.756	0.795	-5.2	67	-0.02
112	M	hexachlorobutadiene	0.770	0.774	-0.5	71	-0.02
113	M	naphthalene	0.901	0.874	3.0	67	-0.02
114	M	1,2,3-trichlorobenzene	0.646	0.571	11.6	57	-0.02

Average % D = 9.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I49372.D MI1986.M Tue Jan 08 13:31:01 2002 GCMS1

Instrument Performance Check (BFB)

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample:	VI1986-BFB1	**Injection Date:**	12/07/01
Lab File ID:	I49368.D	**Injection Time:**	09:54
Instrument ID:	GCMSI		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	9437	23.8		Pass
75	30.0 - 60.0% of mass 95	23187	58.6		Pass
95	Base peak, 100% relative abundance	39587	100.0		Pass
96	5.0 - 9.0% of mass 95	2726	6.9		Pass
173	Less than 2.0% of mass 174	81	0.2	(0.28) [a]	Pass
174	50.0 - 120.0% of mass 95	28869	72.9		Pass
175	5.0 - 9.0% of mass 174	2145	5.4	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	28443	71.8	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1828	4.6	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI1986-IC1986	I49370.D	12/07/01	11:12	01:18	Initial cal 5
VI1986-IC1986	I49371.D	12/07/01	11:52	01:58	Initial cal 20
VI1986-ICC1986	I49372.D	12/07/01	12:31	02:37	Initial cal 50
VI1986-IC1986	I49373.D	12/07/01	13:10	03:16	Initial cal 10
VI1986-IC1986	I49374.D	12/07/01	13:50	03:56	Initial cal 1
VI1986-IC1986	I49375.D	12/07/01	14:29	04:35	Initial cal 100
VI1986-IC1986	I49379.D	12/07/01	17:08	07:14	Initial cal 400
VI1986-MB1	I49383.D	12/07/01	19:46	09:52	Method Blank
ZZZZZZ	I49384.D	12/07/01	20:25	10:31	(unrelated sample)
ZZZZZZ	I49385.D	12/07/01	21:04	11:10	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Check Std:	VI2008-CC1986	**Injection Date:**	12/28/01
Lab File ID:	I50139.D	**Injection Time:**	21:44
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	63144	5.87	343119	9.62	305354	11.61	238122	17.72	158873	22.09
Upper Limit [a]	126288	6.37	686238	10.12	610708	12.11	476244	18.22	317746	22.59
Lower Limit [b]	31572	5.37	171560	9.12	152677	11.11	119061	17.22	79437	21.59

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VI2008-MB2	60570	5.83	345169	9.62	308729	11.60	243116	17.72	127739	22.10
VI2008-BS	65727	5.84	345780	9.63	303198	11.61	237723	17.73	159689	22.09
ZZZZZZ	62854	5.88	353336	9.61	316617	11.61	252531	17.72	156004	22.10
ZZZZZZ	62506	5.88	365887	9.62	321244	11.60	254923	17.72	145901	22.09
ZZZZZZ	63098	5.91	362372	9.62	328036	11.60	257764	17.71	144128	22.10
ZZZZZZ	64574	5.84	347678	9.60	318060	11.60	248710	17.72	136599	22.09
ZZZZZZ	62068	5.90	351665	9.61	317092	11.60	250119	17.72	143635	22.09
ZZZZZZ	60840	5.88	351895	9.62	313704	11.59	250824	17.72	142782	22.09
VI2009-MB1	56578	5.82	329316	9.61	299996	11.60	236583	17.72	119021	22.09
VI2009-BS	59351	5.86	332453	9.63	298460	11.60	232557	17.71	155583	22.09
ZZZZZZ	61501	5.88	343905	9.63	313489	11.61	249728	17.72	136075	22.09
ZZZZZZ	57564	5.89	342788	9.63	311513	11.61	245356	17.72	130728	22.09
ZZZZZZ	62012	5.93	348213	9.61	313872	11.60	247561	17.72	136321	22.09
ZZZZZZ	59283	5.88	353287	9.62	315322	11.60	255779	17.72	142901	22.09
ZZZZZZ	52715	5.91	355530	9.63	322376	11.62	251149	17.73	137766	22.09
ZZZZZZ	59344	5.89	353379	9.63	316796	11.62	249168	17.72	138768	22.09

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Check Std:	VI2009-CC1986	**Injection Date:**	12/29/01
Lab File ID:	I50158.D	**Injection Time:**	10:06
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	59723	5.84	331250	9.62	296704	11.61	232961	17.71	151926	22.08
Upper Limit [a]	119446	6.34	662500	10.12	593408	12.11	465922	18.21	303852	22.58
Lower Limit [b]	29862	5.34	165625	9.12	148352	11.11	116481	17.21	75963	21.58

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VI2009-MB2	62317	5.84	320498	9.61	289223	11.61	228542	17.72	119845	22.10
N4921-18	51994	5.88	342241	9.62	309789	11.60	244028	17.72	134974	22.10
N4921-18MS [c]	61070	5.88	344807	9.63	310820	11.61	235543	17.73	161019	22.09
N4921-18MSD [c]	59238	5.88	349856	9.62	312070	11.61	242432	17.73	157411	22.10
ZZZZZZ	61965	5.91	355308	9.62	321436	11.61	251025	17.73	144161	22.10
ZZZZZZ	62578	5.88	349421	9.63	315524	11.61	247993	17.73	136389	22.10
N4873-1 [d]	39232	6.02	382021	9.61	329380	11.62	263548	17.73	166348	22.10

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Methanol preservation/extraction.
(d) Methanol preservation/extraction. Confirmation run. Sample was reanalyzed due to carry-over.

Volatile Internal Standard Area Summary

Job Number: N4873
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Check Std:	VI2012-CC1986	**Injection Date:**	01/01/02
Lab File ID:	I50251.D	**Injection Time:**	00:36
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	51160	5.86	317562	9.64	279959	11.61	218977	17.74	148421	22.11
Upper Limit [a]	102320	6.36	635124	10.14	559918	12.11	437954	18.24	296842	22.61
Lower Limit [b]	25580	5.36	158781	9.14	139980	11.11	109489	17.24	74211	21.61
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
VI2012-MB1	50178	5.87	300284	9.64	270204	11.61	212212	17.74	108145	22.11
ZZZZZZ	51050	5.89	323549	9.64	290772	11.61	226210	17.74	122846	22.11
N4873-1 [c]	55853	5.91	329675	9.63	292461	11.63	228865	17.74	125217	22.11
ZZZZZZ	54585	5.88	327524	9.64	290283	11.63	227669	17.74	126519	22.11
ZZZZZZ	52909	5.91	330042	9.63	290149	11.61	233433	17.74	127873	22.11
ZZZZZZ	55695	5.89	332816	9.64	293964	11.62	231627	17.74	130627	22.10
N5247-4	53493	5.92	329165	9.64	291718	11.61	230252	17.73	124565	22.10
ZZZZZZ	54595	5.92	329767	9.64	296214	11.64	229992	17.74	125770	22.12
VI2012-BS	56944	5.84	316414	9.63	278138	11.62	219092	17.75	142448	22.11
N5247-4MS [d]	55797	5.92	326583	9.63	289285	11.63	223453	17.73	147334	22.11
N5247-4MSD [d]	51130	5.91	330699	9.63	293475	11.62	231280	17.74	146921	22.10
ZZZZZZ	53288	5.88	330311	9.64	291281	11.61	234019	17.74	129009	22.10
ZZZZZZ	53447	5.89	336601	9.64	297315	11.63	232742	17.73	125278	22.10
ZZZZZZ	54600	5.92	333582	9.63	297711	11.62	231541	17.73	129218	22.11
ZZZZZZ	56522	5.89	335204	9.63	298515	11.62	232385	17.74	126191	22.11

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample originally analyzed within the holding time. Methanol preservation/extraction.
(d) Methanol preservation/extraction.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50255.D Vial: 18
Acq On : 1 Jan 2002 3:13 am Operator: RUIFENGY
Sample : N4873-1 Inst : MSI
Misc : MS58639,VI2012,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 13:33 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.91	65	55853	500.00	PPb	0.04
3) pentafluorobenzene	9.63	168	329675	50.00	PPb	-0.03
44) 1,4-difluorobenzene	11.63	114	292461	50.00	PPb	-0.03
72) chlorobenzene-d5	17.74	117	228865	50.00	PPb	-0.02
88) 1,4-dichlorobenzene-d4	22.11	152	125217	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.89	113	213764	45.47	PPb	-0.03
Spiked Amount 50.000			Recovery =	90.94%		
43) 1,2-dichloroethane-d4 (s)	10.86	65	164859	47.95	PPb	-0.02
Spiked Amount 50.000			Recovery =	95.90%		
66) toluene-d8 (s)	14.76	98	256481	48.39	PPb	-0.02
Spiked Amount 50.000			Recovery =	96.78%		
89) 4-bromofluorobenzene (s)	20.00	174	139869	53.05	PPb	-0.02
Spiked Amount 50.000			Recovery =	106.10%		

Target Compounds Qvalue

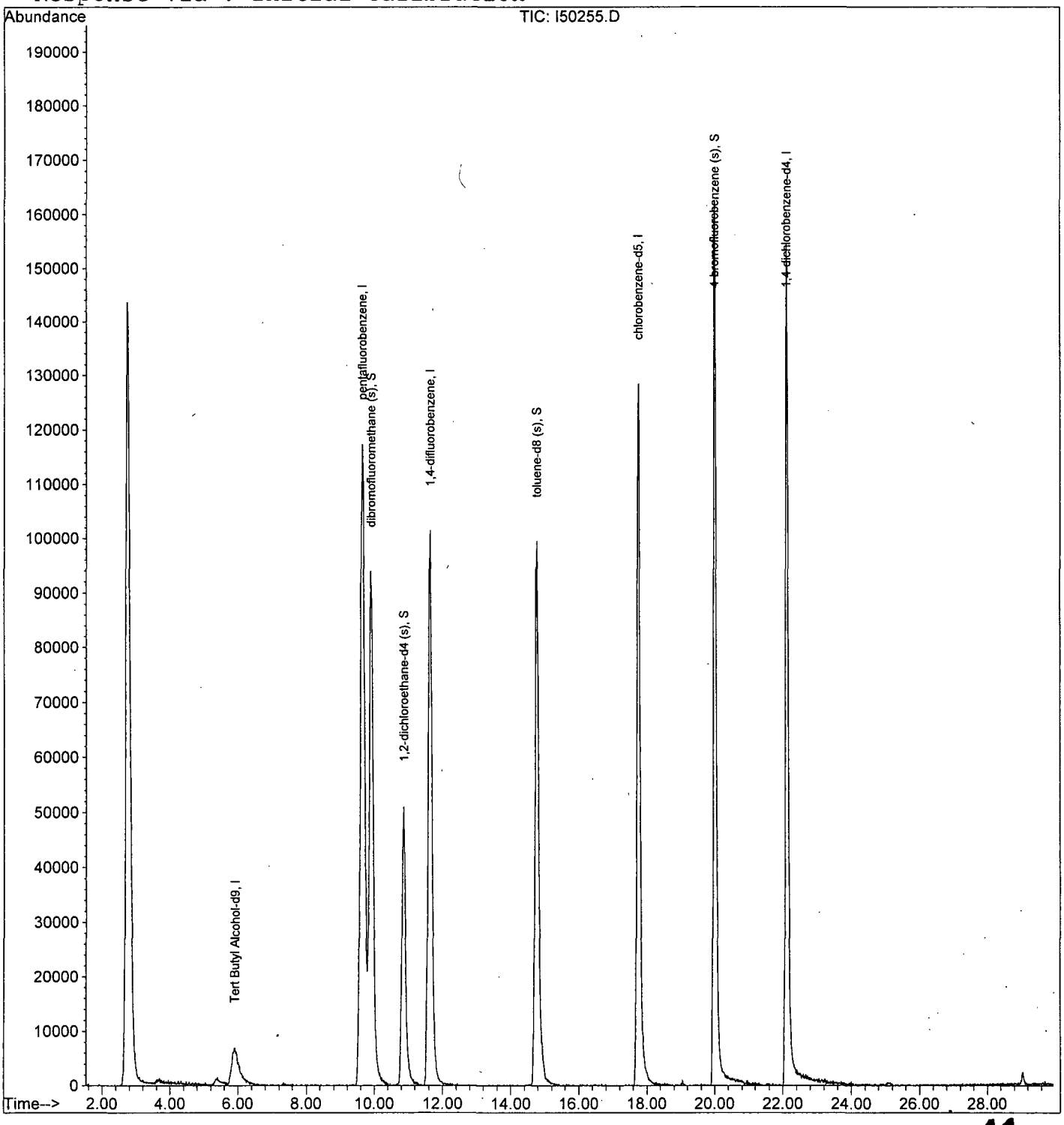
S/2
1/8

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50255.D Vial: 18
Acq On : 1 Jan 2002 3:13 am Operator: RUIFENGY
Sample : N4873-1 Inst : MSI
Misc : MS58639,VI2012,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 13:33 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50255.D Vial: 18
Acq On : 1 Jan 2002 3:13 am Operator: RUIFENGY
Sample : N4873-1 Inst : MSI
Misc : MS58639,VI2012,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.725	124	143	184	rBV	143674	1285292	100.00%	16.272%
2	3.198	197	199	211	rVB	597	1726	0.13%	0.022%
3	3.645	249	252	255	rBV2	597	1349	0.10%	0.017%
4	3.696	255	258	260	rVB2	823	1064	0.08%	0.013%
5	4.017	291	296	300	rVB2	646	1669	0.13%	0.021%
6	4.245	317	323	328	rVB	683	1390	0.11%	0.018%
7	4.330	328	333	337	rBV	695	1424	0.11%	0.018%
8	4.575	355	362	367	rBB	702	1838	0.14%	0.023%
9	5.310	444	449	451	rBV	802	1891	0.15%	0.024%
10	5.369	451	456	458	rVV2	1055	3143	0.24%	0.040%
11	5.403	458	460	471	rVB	1084	2982	0.23%	0.038%
12	5.909	498	520	560	rBV5	6825	97690	7.60%	1.237%
13	6.273	560	563	572	rVB3	809	2872	0.22%	0.036%
14	9.626	939	960	979	rBV2	117275	1046504	81.42%	13.249%
15	9.888	979	991	1026	rVB2	92985	790655	61.52%	10.010%
16	10.361	1044	1047	1053	rVB	621	1348	0.10%	0.017%
17	10.868	1085	1107	1144	rBV	50985	402241	31.30%	5.092%
18	11.628	1178	1197	1245	rBV3	101429	813414	63.29%	10.298%
19	14.762	1549	1568	1605	rBV2	99474	755333	58.77%	9.562%
20	15.083	1605	1606	1614	rVV2	1218	3795	0.30%	0.048%
21	15.210	1618	1621	1628	rVV2	524	2059	0.16%	0.026%
22	15.286	1628	1630	1637	rVB2	449	1075	0.08%	0.014%
23	17.744	1906	1921	1962	rBV	128392	824788	64.17%	10.442%
24	19.053	2068	2076	2086	rBB	1049	2321	0.18%	0.029%
25	19.991	2174	2187	2228	rBV2	162535	954227	74.24%	12.080%
26	20.396	2232	2235	2241	rVB3	687	1444	0.11%	0.018%
27	20.650	2260	2265	2268	rVB3	542	1146	0.09%	0.015%
28	20.844	2285	2288	2292	rVB3	622	1290	0.10%	0.016%

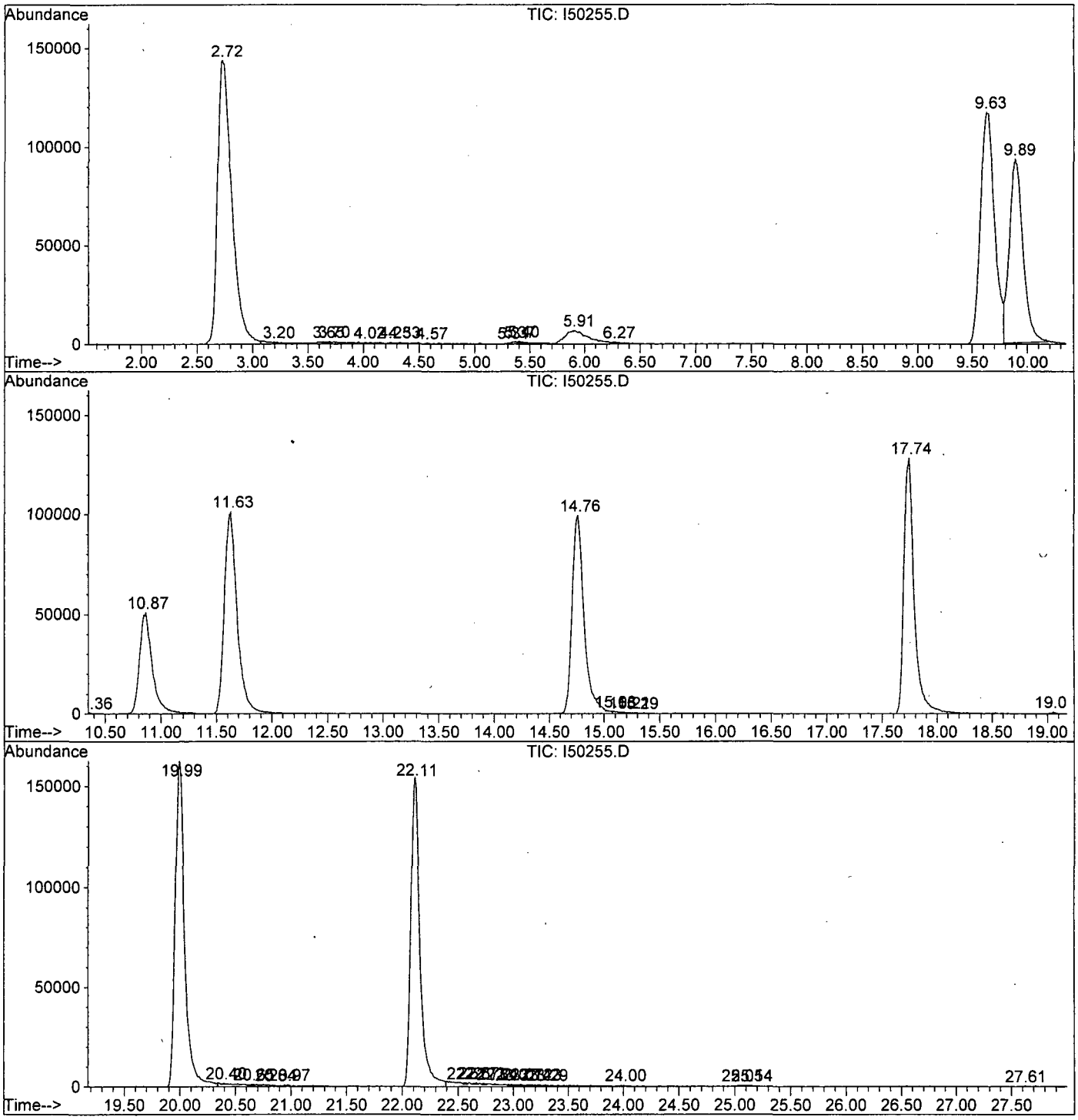
29	20.971	2301	2303	2307	rBV	780	1100	0.09%	0.014%
30	22.111	2425	2438	2471	rBV3	154470	872833	67.91%	11.050%
31	22.567	2489	2492	2495	rBV3	563	1454	0.11%	0.018%
32	22.669	2499	2504	2506	rVV4	838	1545	0.12%	0.020%
33	22.728	2509	2511	2515	rVB3	753	1254	0.10%	0.016%
34	22.838	2521	2524	2532	rVB3	529	1287	0.10%	0.016%
35	23.007	2537	2544	2548	rVB2	574	2049	0.16%	0.026%
36	23.066	2548	2551	2555	rVB2	855	1506	0.12%	0.019%
37	23.142	2555	2560	2565	rBV3	683	2086	0.16%	0.026%
38	23.235	2568	2571	2574	rVB2	942	1546	0.12%	0.020%
39	23.294	2574	2578	2582	rBV2	727	1535	0.12%	0.019%
40	24.003	2661	2662	2667	rVB	804	1040	0.08%	0.013%
41	25.051	2778	2786	2787	rBV2	587	1257	0.10%	0.016%
42	25.135	2792	2796	2800	rVB2	584	1452	0.11%	0.018%
43	27.610	3088	3089	3098	rVB	360	1037	0.08%	0.013%

Sum of corrected areas: 7898951

I50255.D MI1986.M Tue Jan 08 13:59:00 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50255.D
Operator : RUIFENGY
Acquired : 1 Jan 2002 3:13 am using AcqMethod MI1986
Instrument : MSI
Sample Name: N4873-1
Misc Info : MS58639,VI2012,3.9,,100,5,1
Vial Number: 18
Quant File :MI1986.RES (RTE Integrator)



I50255.D MI1986.M Tue Jan 08 13:59:06 2002 GCMS1

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50255.D Vial: 18
Acq On : 1 Jan 2002 3:13 am Operator: RUIFENGY
Sample : N4873-1 Inst : MSI
Misc : MS58639,VI2012,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: LSCINT.P

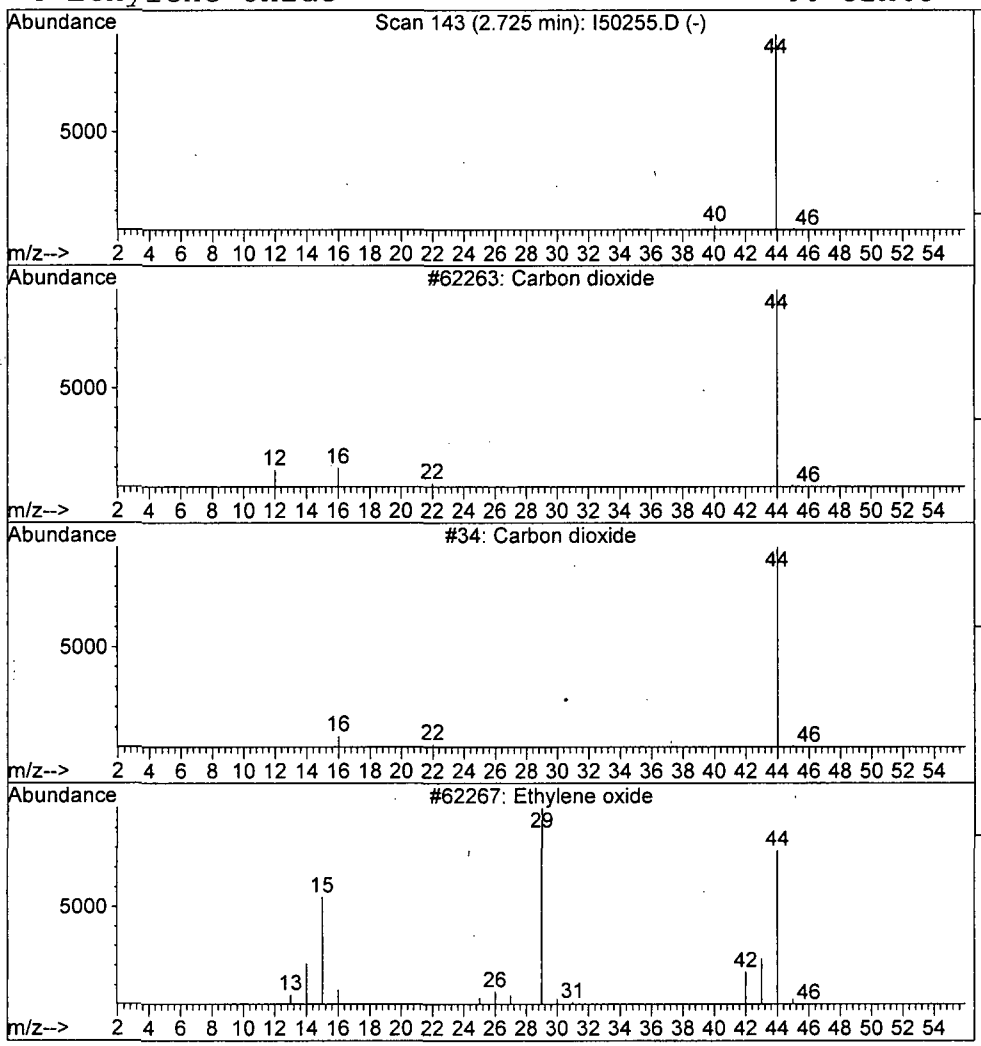
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

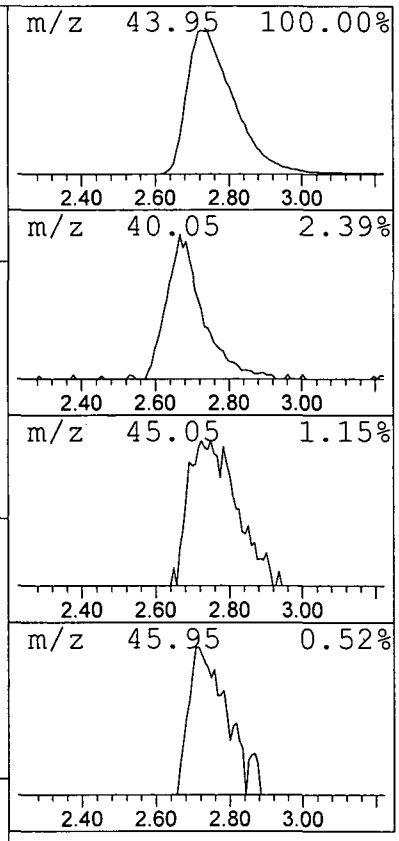
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Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.72	4132.82 PPb	1285290	pentafluorobenzene	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3

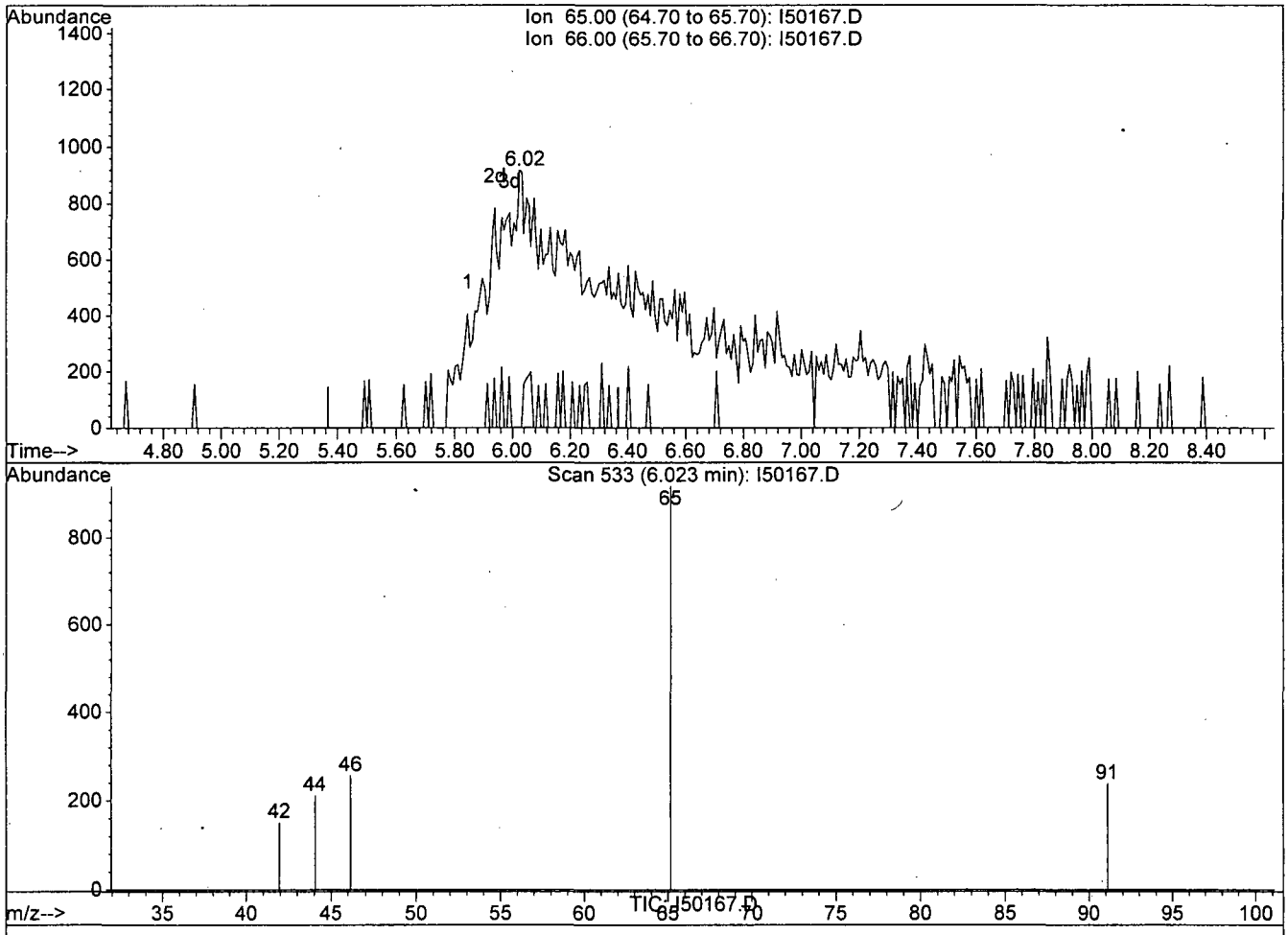




Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50167.D Vial: 38
Acq On : 29 Dec 2001 3:57 pm Operator: RUIFENGY
Sample : N4873-1CF Inst : MSI
Misc : MS58639,VI2009,3.9,,100,5,1 Multiplr: 67.30
Quant Time: Jan 8 14:29 2002 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Multiple Level Calibration



(1) Tert Butyl Alcohol-d9 (I)

6.02min 500.00PPb m

response 39232

Ion	Exp%	Act%
65.00	100	100
66.00	25.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50167.D Vial: 38
Acq On : 29 Dec 2001 3:57 pm Operator: RUIFENGY
Sample : N4873-1CF Inst : MSI
Misc : MS58639,VI2009,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 14:29 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	6.02	65	39232m	500.00	PPb		0.16
3) pentafluorobenzene	9.61	168	382021	50.00	PPb		-0.05
44) 1,4-difluorobenzene	11.62	114	329380	50.00	PPb		-0.05
72) chlorobenzene-d5	17.73	117	263548	50.00	PPb		-0.03
88) 1,4-dichlorobenzene-d4	22.10	152	166348	50.00	PPb		-0.04
System Monitoring Compounds							
42) dibromofluoromethane (s)	9.89	113	250879	46.05	PPb		-0.02
Spiked Amount 50.000			Recovery =	92.10%			
43) 1,2-dichloroethane-d4 (s)	10.85	65	202200	50.75	PPb		-0.03
Spiked Amount 50.000			Recovery =	101.50%			
66) toluene-d8 (s)	14.75	98	294430	49.33	PPb		-0.03
Spiked Amount 50.000			Recovery =	98.66%			
89) 4-bromofluorobenzene (s)	19.99	174	177252	50.60	PPb		-0.03
Spiked Amount 50.000			Recovery =	101.20%			
Target Compounds							Qvalue
67) toluene	14.90	92	432087	7180.29	PPb		99
80) ethylbenzene	17.89	91	17390	141.09	PPb		81
81) m,p-xylene	18.04	106	23581	535.00	PPb		97
82) o-xylene	18.86	106	8046	185.80	PPb	#	70

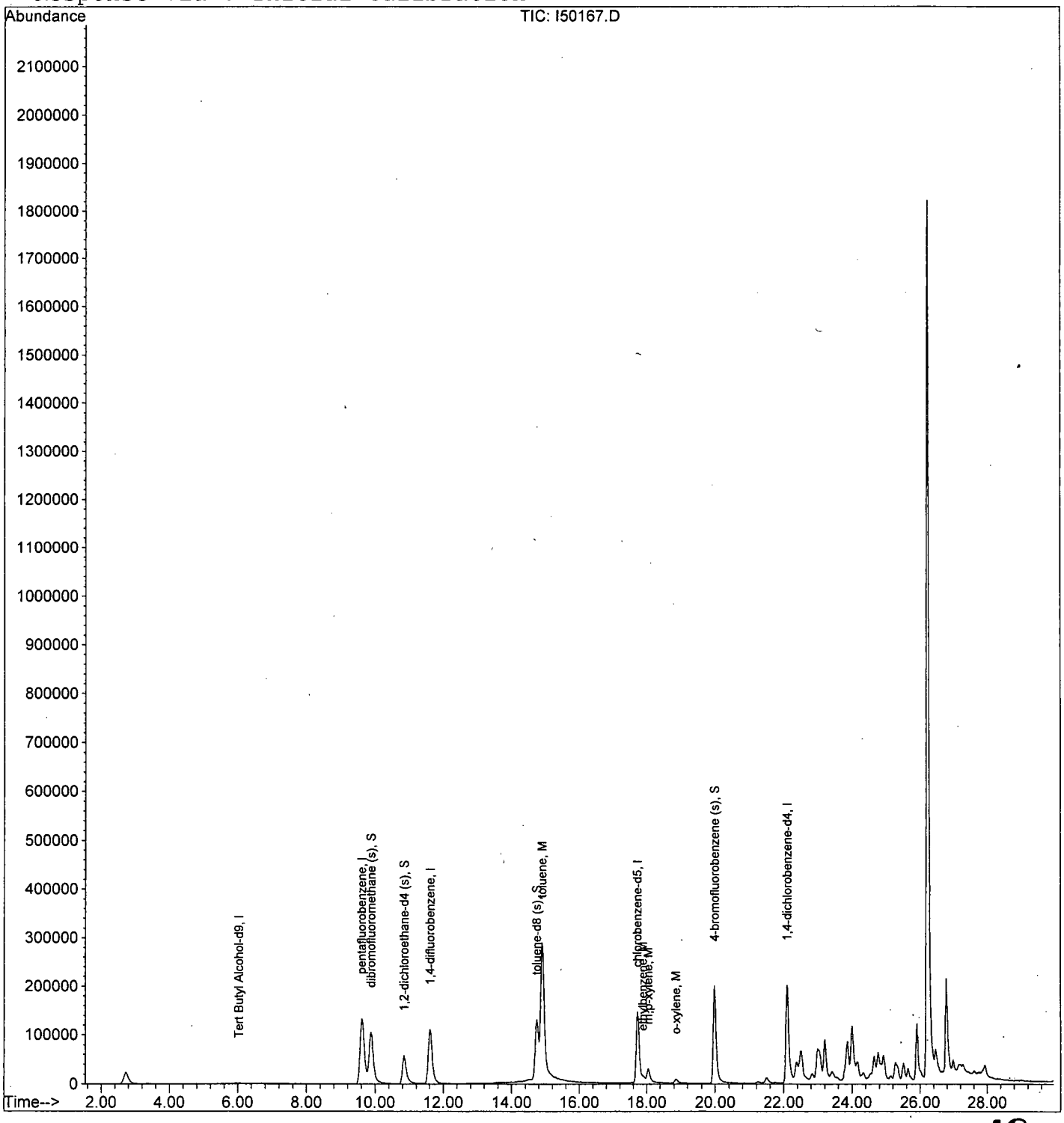
5/8
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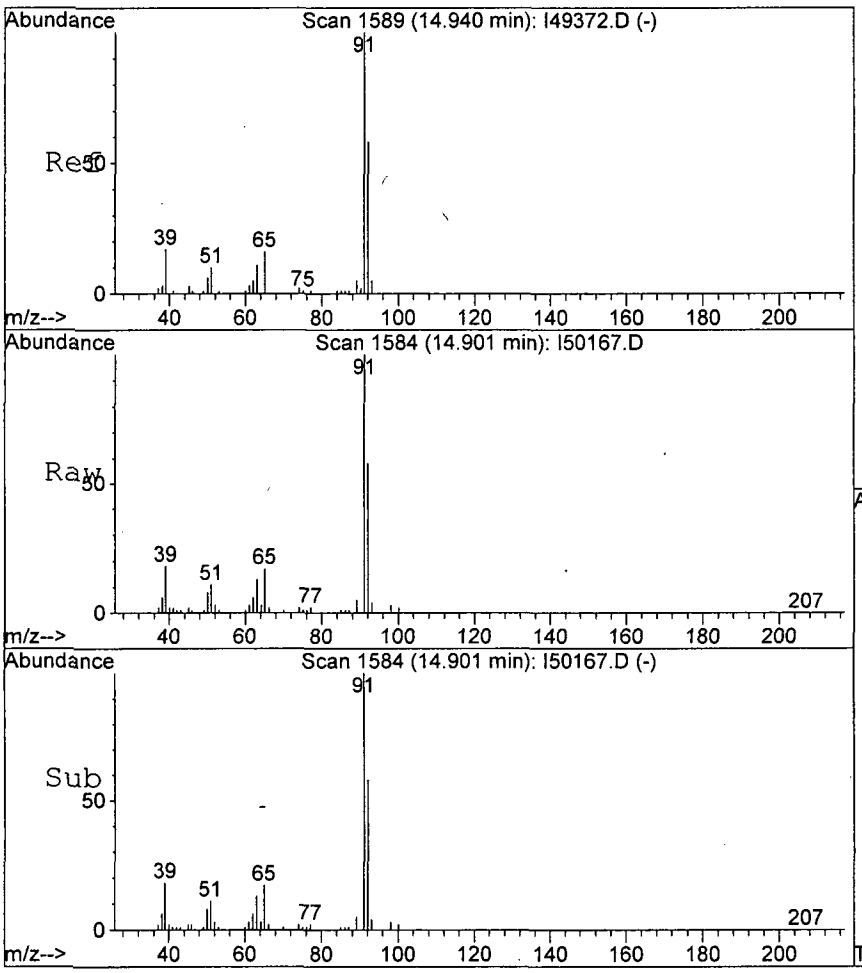
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50167.D Vial: 38
Acq On : 29 Dec 2001 3:57 pm Operator: RUIFENGY
Sample : N4873-1CF Inst : MSI
Misc : MS58639,VI2009,3.9,,100,5,1 Multiplr: 67.30
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 14:29 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration

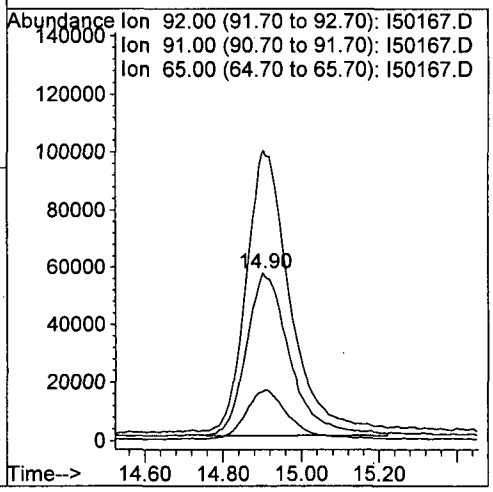


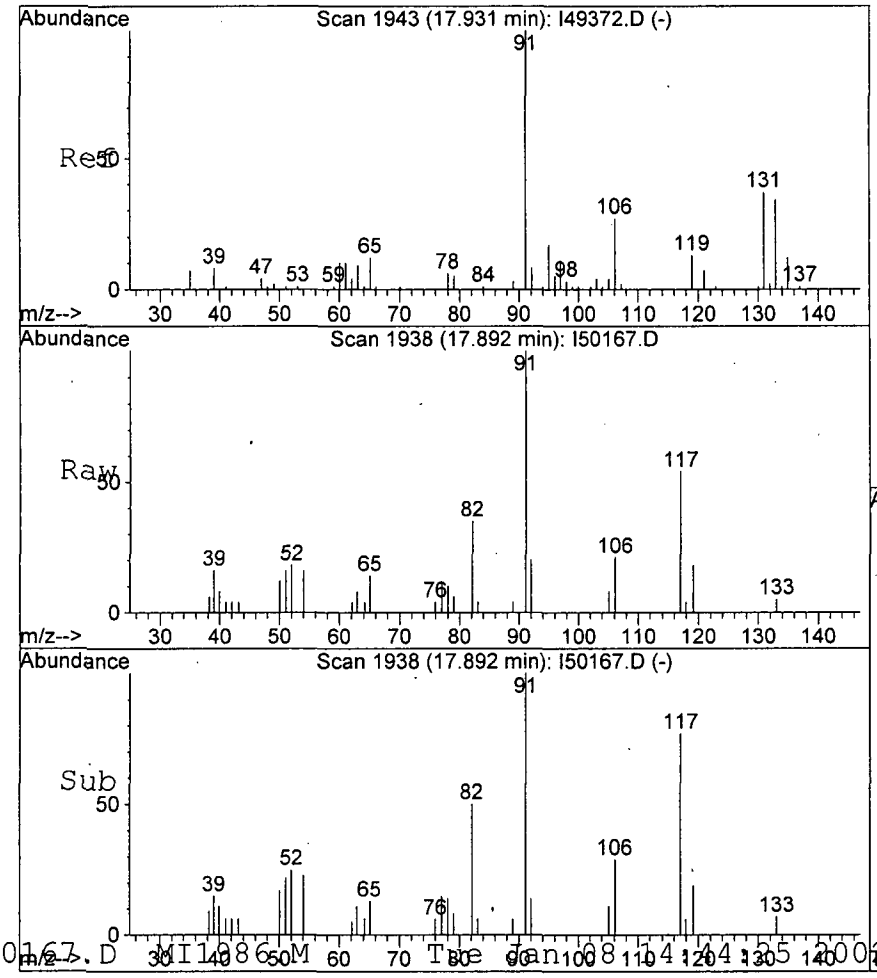


#67
toluene
Concen: 7180.29 PPb
RT: 14.90 min Scan# 1584
Delta R.T. -0.04 min
Lab File: I50167.D
Acq: 29 Dec 2001 3:57 pm

Tgt Ion: 92 Resp: 432087

Ion	Ratio	Lower	Upper
92	100		
91	172.9	142.7	202.7
65	28.6	0.0	54.2

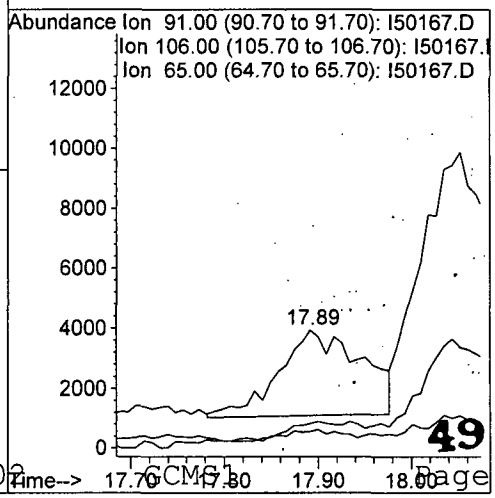


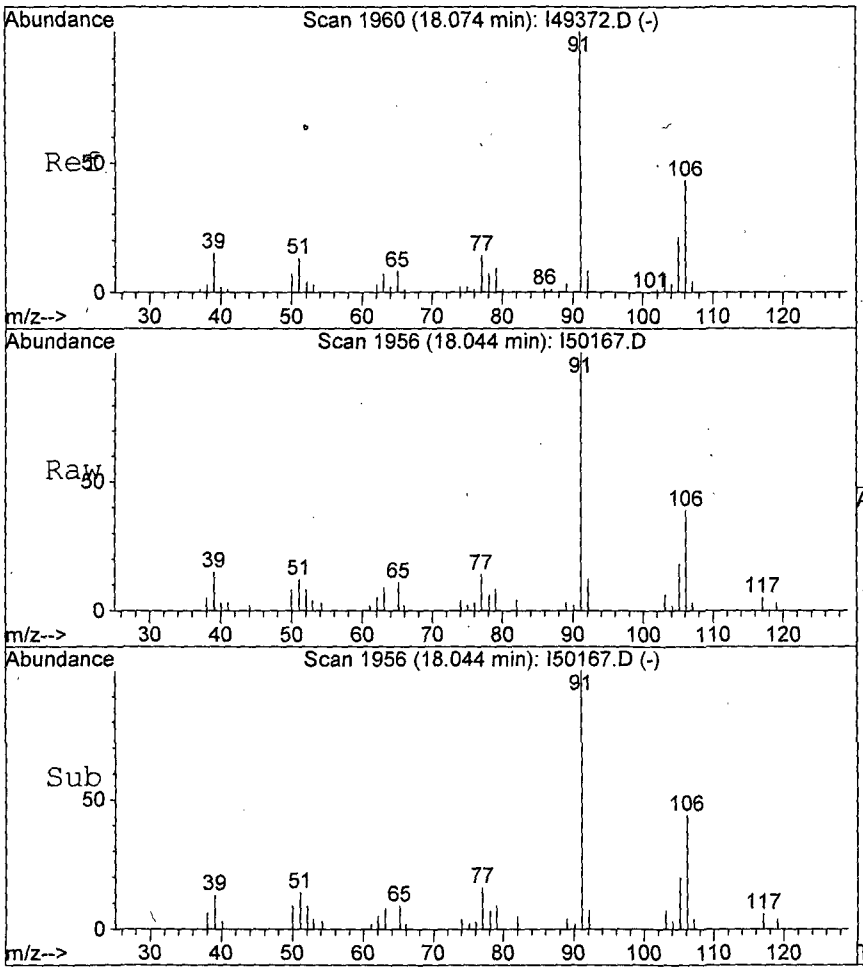


#80
ethylbenzene
Concen: 141.09 PPb
RT: 17.89 min Scan# 1938
Delta R.T. -0.04 min
Lab File: I50167.D
Acq: 29 Dec 2001 3:57 pm

Tgt Ion: 91 Resp: 17390

Ion	Ratio	Lower	Upper
91	100		
106	15.6	0.0	56.5
65	6.9	0.0	43.0

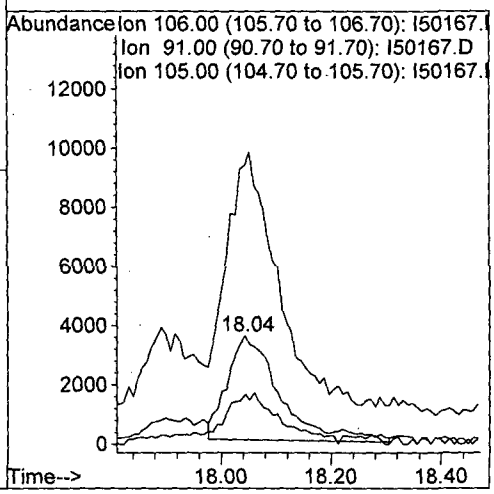


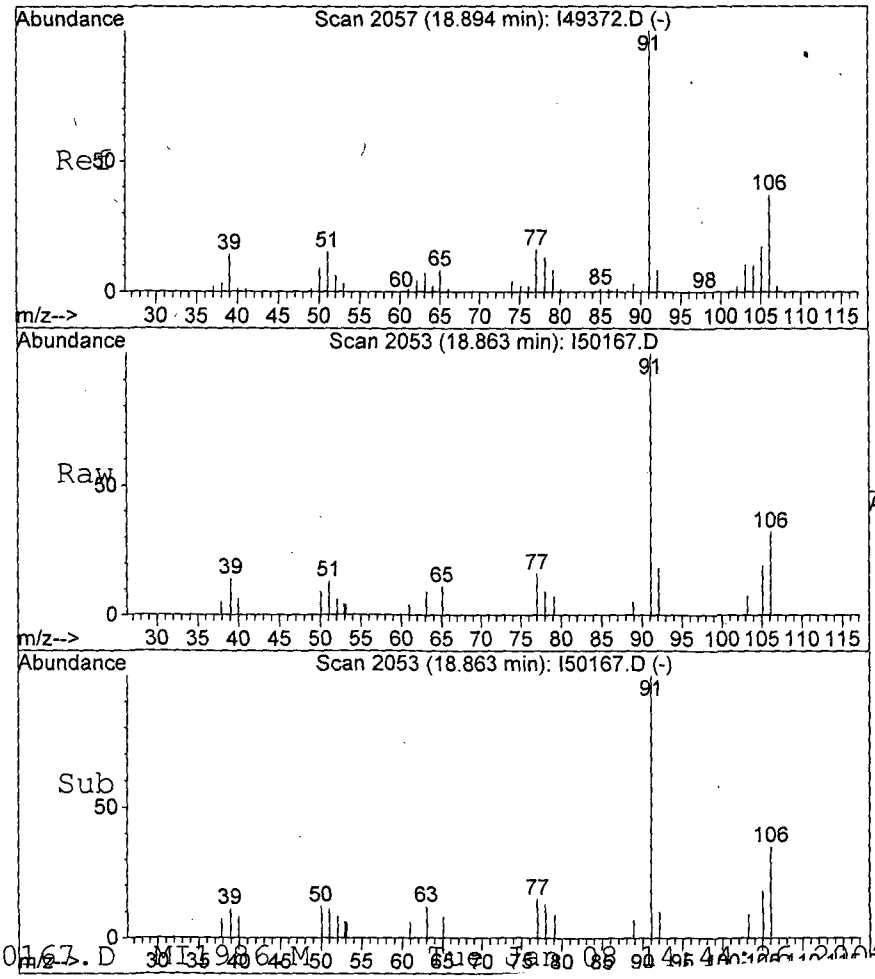


#81
m,p-xylene
Concen: 535.00 PPb
RT: 18.04 min Scan# 1956
Delta R.T. -0.03 min
Lab File: I50167.D
Acq: 29 Dec 2001 3:57 pm

Tgt Ion:106 Resp: 23581

Ion	Ratio	Lower	Upper
106	100		
91	234.7	201.0	261.0
105	46.1	19.2	79.2

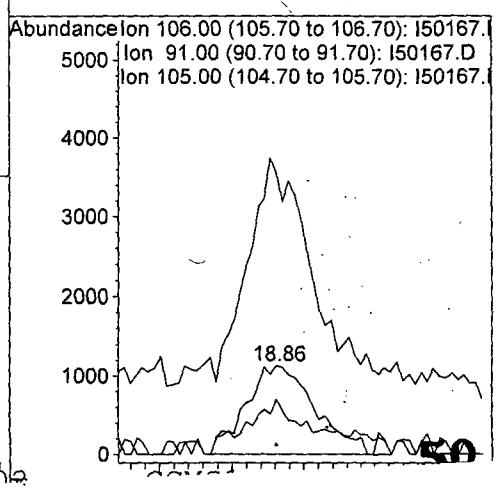




#82
o-xylene
Concen: 185.80 PPb
RT: 18.86 min Scan# 2053
Delta R.T. -0.03 min
Lab File: I50167.D
Acq: 29 Dec 2001 3:57 pm

Tgt Ion:106 Resp: 8046

Ion	Ratio	Lower	Upper
106	100		
91	215.4	242.4	302.4#
105	61.7	16.0	76.0



Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 1 Jan 2002 3:13 am
Data File: C:\HPCHEM\1\DATA\I50255.D
Name: N4873-1
Misc: MS58639,VI2012,3.9,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.72	4132.8	PPb	1285290	ISTD02	9.63	1046500	50.0

I50255.D MI1986.M Tue Jan 08 13:59:12 2002 GCMS1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50149.D Vial: 20
Acq On : 29 Dec 2001 4:14 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 10:19 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.82	65	56578	500.00	PPb	-0.05
3) pentafluorobenzene	9.61	168	329316	50.00	PPb	-0.05
44) 1,4-difluorobenzene	11.60	114	299996	50.00	PPb	-0.06
72) chlorobenzene-d5	17.72	117	236583	50.00	PPb	-0.04
88) 1,4-dichlorobenzene-d4	22.09	152	119021	50.00	PPb	-0.05
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.88	113	235531	50.15	PPb	-0.03
Spiked Amount 50.000			Recovery = 100.30%			
43) 1,2-dichloroethane-d4 (s)	10.84	65	172979	50.36	PPb	-0.04
Spiked Amount 50.000			Recovery = 100.72%			
66) toluene-d8 (s)	14.72	98	265273	48.79	PPb	-0.06
Spiked Amount 50.000			Recovery = 97.58%			
89) 4-bromofluorobenzene (s)	19.97	174	146819	58.58	PPb	-0.05
Spiked Amount 50.000			Recovery = 117.16%			

Target Compounds Qvalue

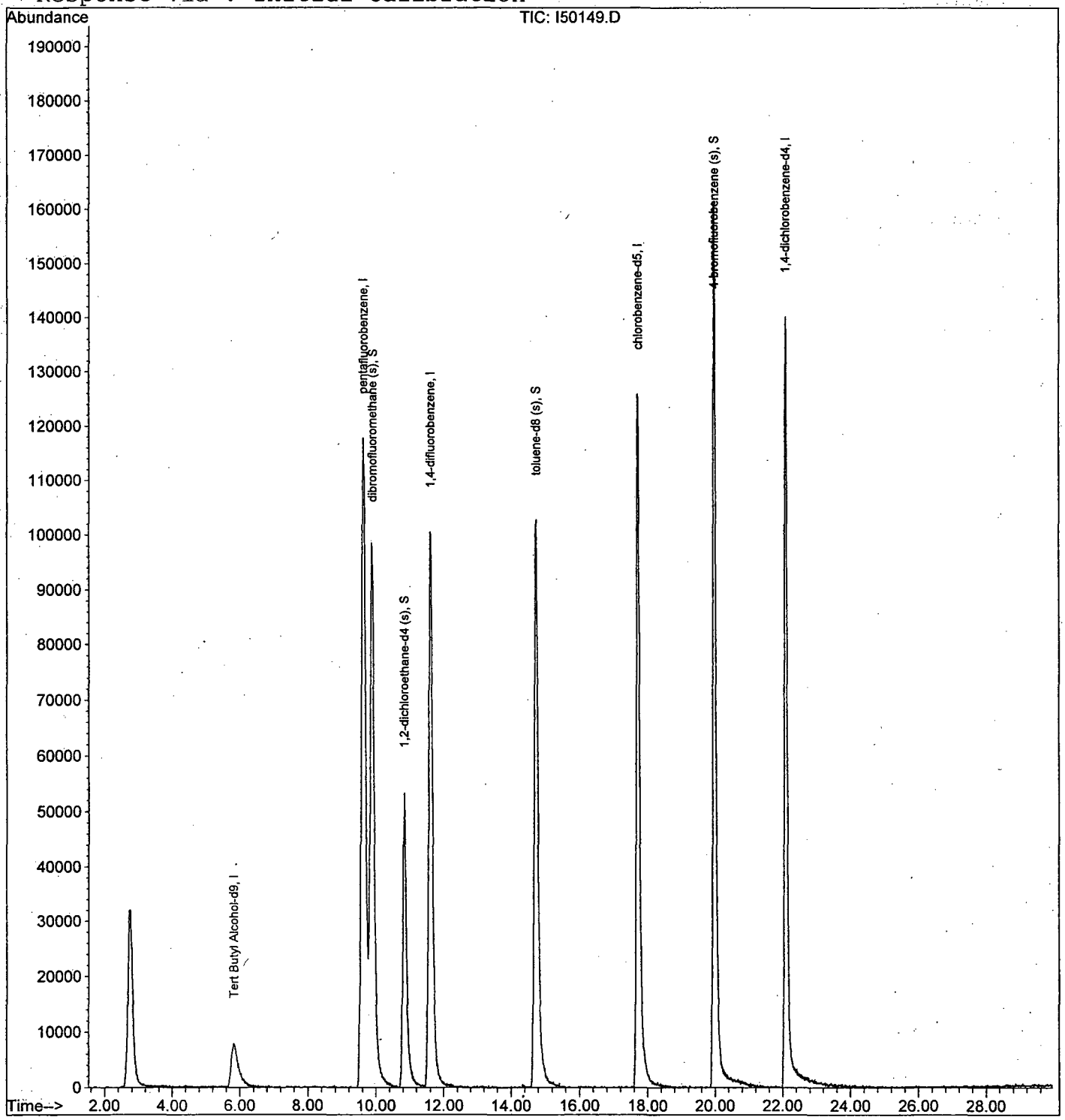
9/9
1/7

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50149.D Vial: 20
Acq On : 29 Dec 2001 4:14 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 10:19 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50149.D Vial: 20
Acq On : 29 Dec 2001 4:14 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.744	124	145	189	rBV2	31898	317914	30.65%	4.501%
2	4.019	291	296	301	rBB	335	1021	0.10%	0.014%
3	5.827	487	510	542	rBV3	7986	108739	10.48%	1.540%
4	6.283	563	564	570	rVB	504	1255	0.12%	0.018%
5	9.611	937	958	976	rBV3	117842	1037400	100.00%	14.687%
6	9.865	976	988	1031	rVB3	97424	871873	84.04%	12.344%
7	10.338	1043	1044	1050	rVB2	543	1209	0.12%	0.017%
8	10.481	1059	1061	1067	rVB2	500	1071	0.10%	0.015%
9	10.836	1083	1103	1144	rBV	53325	419404	40.43%	5.938%
10	11.233	1149	1150	1161	rVB	587	1426	0.14%	0.020%
11	11.596	1173	1193	1229	rBV	100367	820505	79.09%	11.617%
12	11.917	1229	1231	1236	rVB2	1142	1932	0.19%	0.027%
13	14.730	1547	1564	1603	rBV2	102846	792179	76.36%	11.216%
14	17.712	1900	1917	1962	rBV2	125945	850640	82.00%	12.043%
15	18.151	1966	1969	1974	rVV2	945	2916	0.28%	0.041%
16	18.211	1974	1976	1983	rVV2	599	1857	0.18%	0.026%
17	18.295	1983	1986	1991	rVB2	742	1404	0.14%	0.020%
18	19.976	2170	2185	2216	rBV2	161510	980039	94.47%	13.875%
19	20.255	2216	2218	2221	rVV3	2074	4045	0.39%	0.057%
20	20.289	2221	2222	2229	rVV3	1488	4023	0.39%	0.057%
21	20.356	2229	2230	2236	rVB4	852	1461	0.14%	0.021%
22	20.474	2243	2244	2250	rVB3	866	1435	0.14%	0.020%
23	20.939	2298	2299	2308	rVB2	482	1417	0.14%	0.020%
24	21.243	2333	2335	2343	rVB	471	1123	0.11%	0.016%
25	22.088	2421	2435	2476	rBV2	140140	825230	79.55%	11.684%
26	22.493	2481	2483	2487	rVB3	760	1798	0.17%	0.025%
27	22.671	2501	2504	2509	rBV2	616	1324	0.13%	0.019%
28	22.721	2509	2510	2514	rVB3	777	1248	0.12%	0.018%

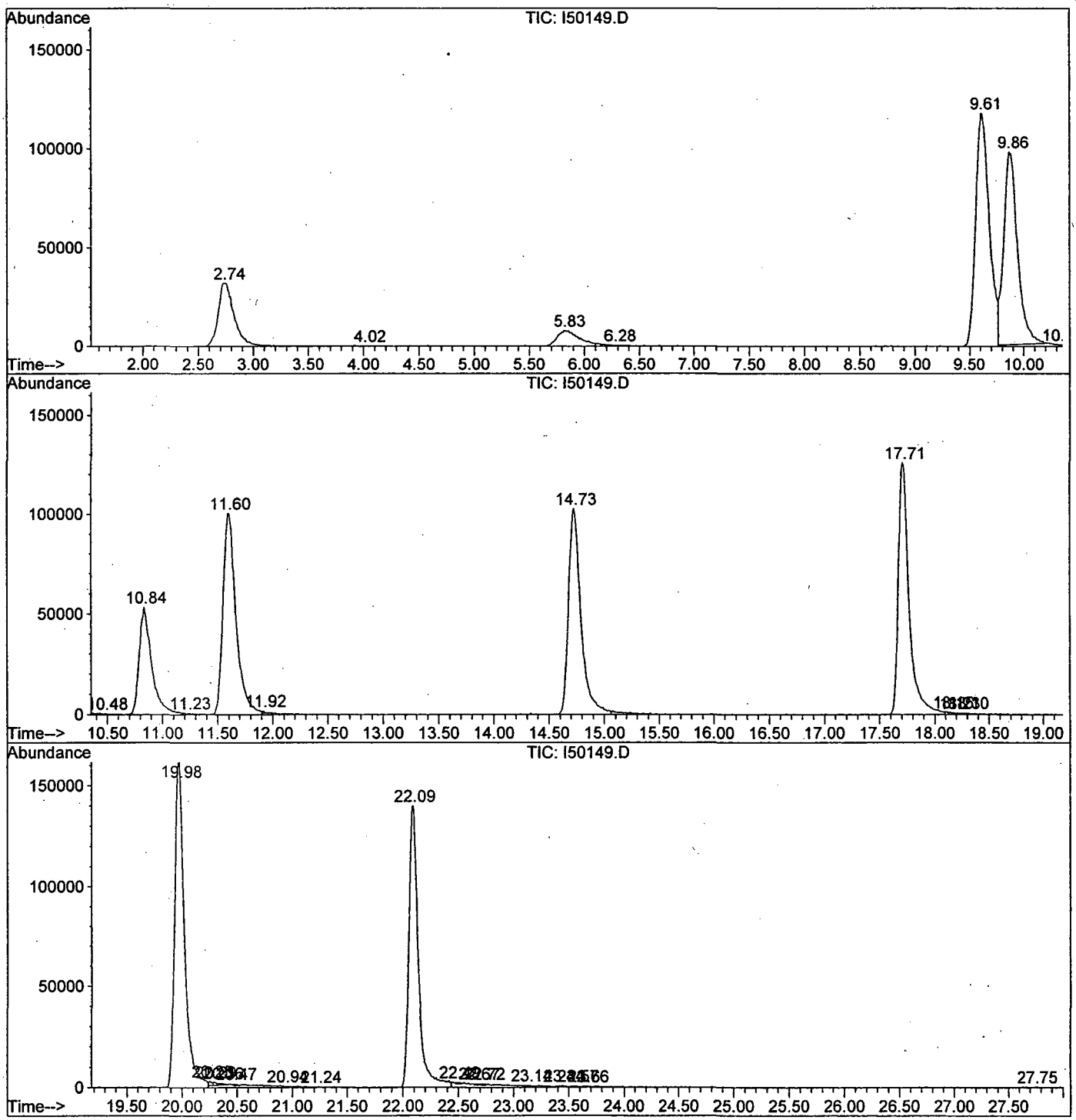
29	23.144	2554	2560	2566	rVB2	581	1886	0.18%	0.027%
30	23.439	2591	2595	2601	rVB2	635	1912	0.18%	0.027%
31	23.566	2609	2610	2615	rBV	656	1010	0.10%	0.014%
32	23.659	2615	2621	2625	rVV2	403	1161	0.11%	0.016%
33	27.748	3101	3105	3111	rBV	402	1324	0.13%	0.019%

Sum of corrected areas: 7063181

I50149.D MI1986.M Mon Jan 07 11:17:36 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50149.D
Operator : RUIFENGY
Acquired : 29 Dec 2001 4:14 am using AcqMethod MI1986
Instrument : MSI
Sample Name: MB1
Misc Info : MS58651,VI2009,5,,100,5,1
Vial Number: 20
Quant File :MI1986.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50149.D Vial: 20
Acq On : 29 Dec 2001 4:14 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: LSCINT.P

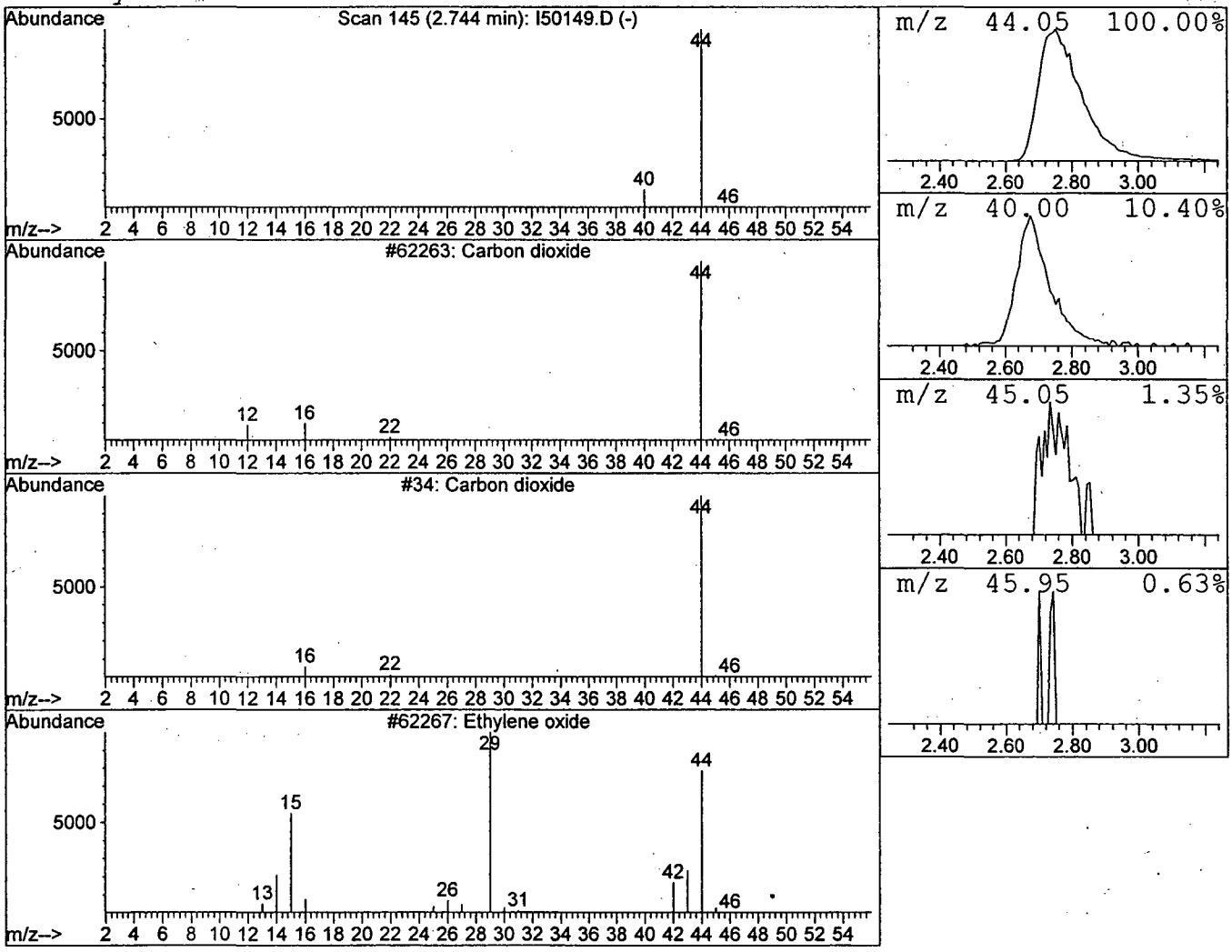
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	766.13 PPb	317914	pentafluorobenzene	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3



Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 29 Dec 2001 4:14 am
Data File: C:\HPCHEM\1\DATA\I50149.D
Name: MB1
Misc: MS58651,VI2009,5,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.74	766.1	PPb	317914	ISTD02	9.61	1037400	50.0

I50149.D MI1986.M Mon Jan 07 11:17:48 2002 GCMS1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50160.D Vial: 31
Acq On : 29 Dec 2001 11:24 am Operator: RUIFENGY
Sample : MB2 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 12:24 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.84	65	62317	500.00	PPb	-0.02
3) pentafluorobenzene	9.61	168	320498	50.00	PPb	-0.05
44) 1,4-difluorobenzene	11.61	114	289223	50.00	PPb	-0.06
72) chlorobenzene-d5	17.72	117	228542	50.00	PPb	-0.04
88) 1,4-dichlorobenzene-d4	22.10	152	119845	50.00	PPb	-0.04
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.87	113	226868	49.64	PPb	-0.05
Spiked Amount 50.000			Recovery =	99.28%		
43) 1,2-dichloroethane-d4 (s)	10.84	65	175378	52.47	PPb	-0.04
Spiked Amount 50.000			Recovery =	104.94%		
66) toluene-d8 (s)	14.74	98	266392	50.82	PPb	-0.04
Spiked Amount 50.000			Recovery =	101.64%		
89) 4-bromofluorobenzene (s)	19.98	174	143010	56.67	PPb	-0.04
Spiked Amount 50.000			Recovery =	113.34%		

Target Compounds Qvalue

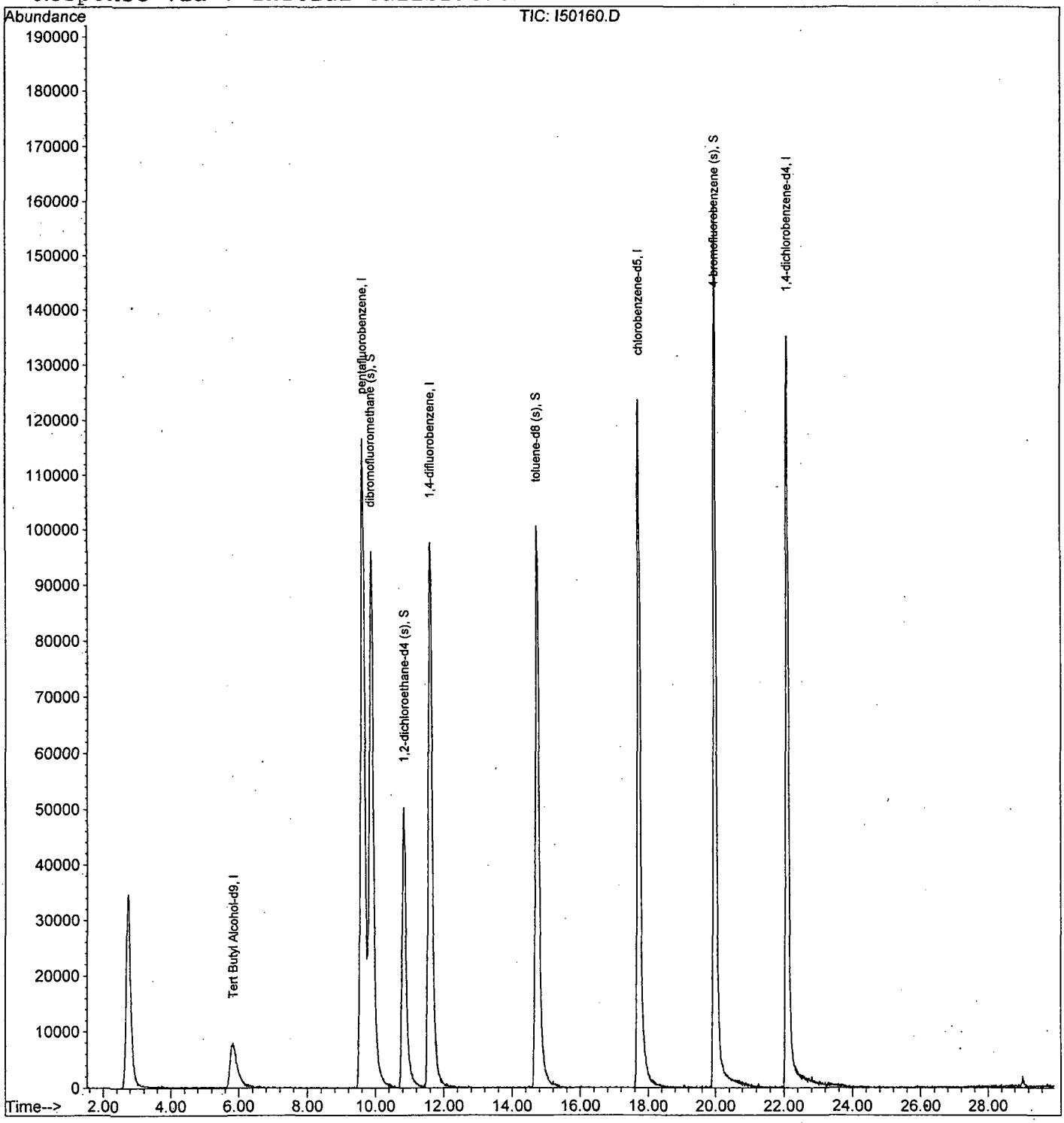
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(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50160.D Vial: 31
Acq On : 29 Dec 2001 11:24 am Operator: RUIFENGY
Sample : MB2 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 12:24 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50160.D Vial: 31
Acq On : 29 Dec 2001 11:24 am Operator: RUIFENGY
Sample : MB2 Inst : MSI
Misc : MS58651,VI2009,5,,100,5,1 Multiplr: 50.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

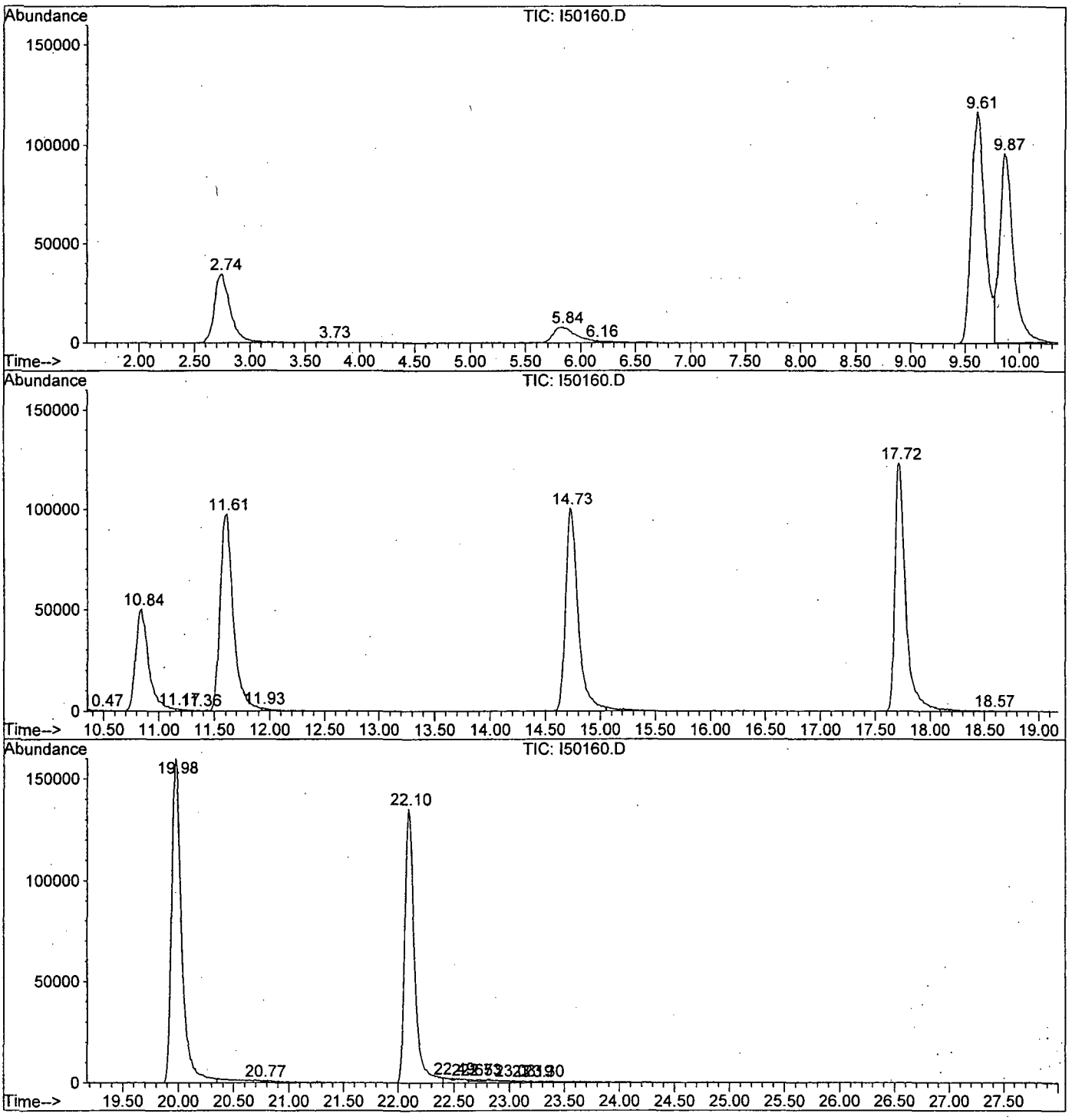
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.744	118	145	178	rBV2	34770	334909	32.69%	4.815%
2	3.732	257	262	265	rBV	507	1220	0.12%	0.018%
3	5.844	487	512	546	rBV3	7958	110773	10.81%	1.593%
4	6.157	546	549	551	rVB3	640	1127	0.11%	0.016%
5	9.612	937	958	977	rBV2	116690	1024497	100.00%	14.731%
6	9.865	977	988	1044	rVB3	95564	856125	83.57%	12.310%
7	10.473	1058	1060	1064	rVB	567	1006	0.10%	0.014%
8	10.845	1086	1104	1140	rBV	50284	411348	40.15%	5.914%
9	11.166	1140	1142	1154	rVB2	1008	3902	0.38%	0.056%
10	11.360	1162	1165	1171	rVB	548	1196	0.12%	0.017%
11	11.614	1176	1195	1232	rBV2	97640	810589	79.12%	11.655%
12	11.935	1232	1233	1246	rVB3	1151	3329	0.32%	0.048%
13	14.731	1545	1564	1602	rBV2	100648	775288	75.67%	11.147%
14	17.721	1900	1918	1962	rBV3	123613	832349	81.24%	11.968%
15	18.574	2014	2019	2023	rBB	391	1007	0.10%	0.014%
16	19.976	2170	2185	2229	rBV	160045	975203	95.19%	14.022%
17	20.770	2277	2279	2282	rVB2	708	1047	0.10%	0.015%
18	22.097	2421	2436	2472	rBV2	135209	798946	77.98%	11.487%
19	22.485	2481	2482	2485	rVB3	875	1040	0.10%	0.015%
20	22.646	2499	2501	2507	rVB3	860	2183	0.21%	0.031%
21	22.730	2507	2511	2518	rBV4	850	2920	0.29%	0.042%
22	23.034	2545	2547	2553	rBV2	803	1834	0.18%	0.026%
23	23.195	2564	2566	2570	rVB2	817	1389	0.14%	0.020%
24	23.296	2574	2578	2582	rVB2	802	1709	0.17%	0.025%

Sum of corrected areas: 6954936

I50160.D MI1986.M Mon Jan 07 11:38:31 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50160.D
Operator : RUIFENGY
Acquired : 29 Dec 2001 11:24 am using AcqMethod MI1986
Instrument : MSI
Sample Name: MB2
Misc Info : MS58651,VI2009,5,,100,5,1
Vial Number: 31
Quant File :MI1986.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50160.D
Acq On : 29 Dec 2001 11:24 am
Sample : MB2
Misc : MS58651,VI2009,5,,100,5,1
MS Integration Params: LSCINT.P

Vial: 31
Operator: RUIFENGY
Inst : MSI
Multiplr: 50.00

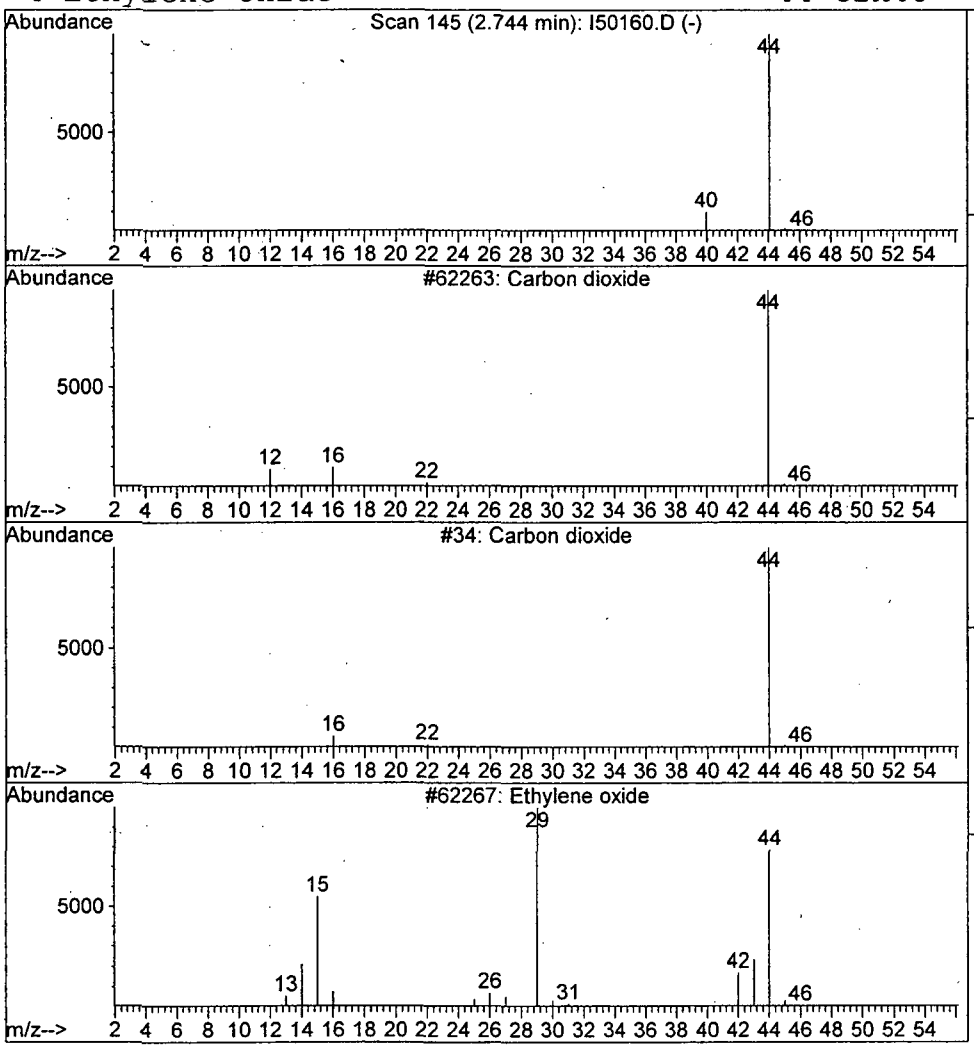
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

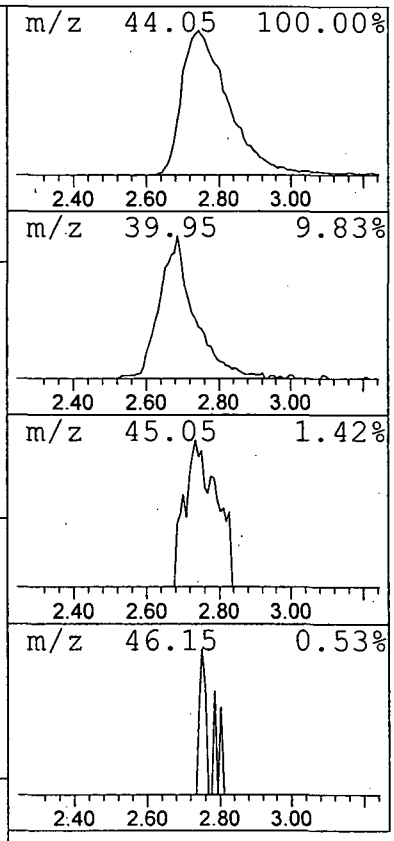
****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	817.25 PPb	334909	pentafluorobenzene	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3





Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 29 Dec 2001 11:24 am
Data File: C:\HPCHEM\1\DATA\I50160.D
Name: MB2
Misc: MS58651,VI2009,5,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.74	817.3	PPb	334909	ISTD02	9.61	1024500	50.0

I50160.D MI1986.M Mon Jan 07 11:38:43 2002 GCMS1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50253.D Vial: 16
Acq On : 1 Jan 2002 1:54 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58639,VI2012,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 13:30 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.87	65	50178	500.00	PPb	0.00
3) pentafluorobenzene	9.64	168	300284	50.00	PPb	-0.02
44) 1,4-difluorobenzene	11.61	114	270204	50.00	PPb	-0.05
72) chlorobenzene-d5	17.74	117	212212	50.00	PPb	-0.03
88) 1,4-dichlorobenzene-d4	22.11	152	108145	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.90	113	201591	47.08	PPb	-0.02
Spiked Amount 50.000			Recovery =	94.16%		
43) 1,2-dichloroethane-d4 (s)	10.85	65	154247	49.25	PPb	-0.03
Spiked Amount 50.000			Recovery =	98.50%		
66) toluene-d8 (s)	14.74	98	230090	46.99	PPb	-0.03
Spiked Amount 50.000			Recovery =	93.98%		
89) 4-bromofluorobenzene (s)	20.00	174	124115	54.50	PPb	-0.02
Spiked Amount 50.000			Recovery =	109.00%		

Target Compounds Qvalue

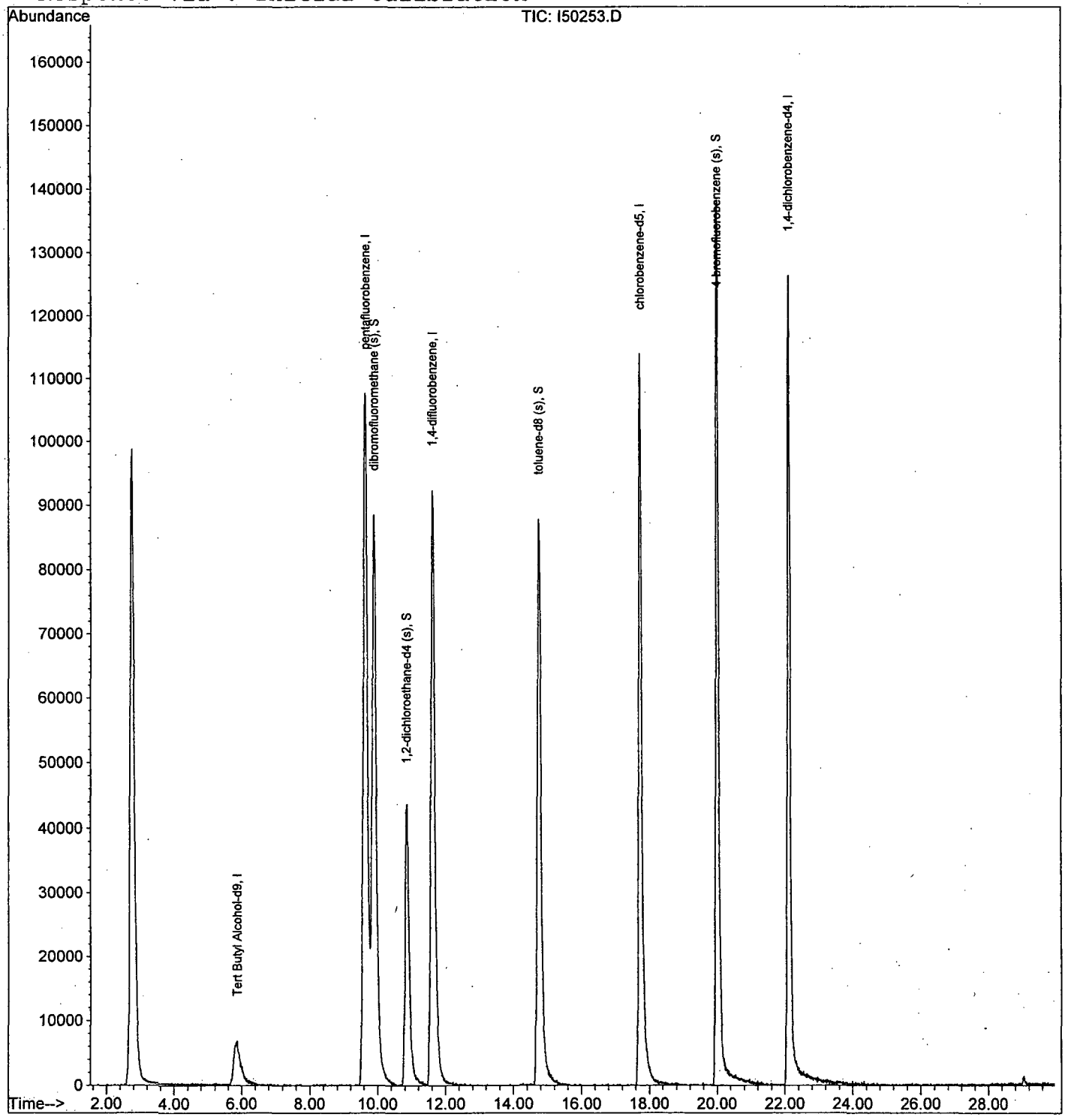
SVO
1/8

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50253.D Vial: 16
Acq On : 1 Jan 2002 1:54 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58639,VI2012,5,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 8 13:30 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50253.D Vial: 16
Acq On : 1 Jan 2002 1:54 am Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58639,VI2012,5,,100,5,1 Multiplr: 50.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.750	123	146	189	rBV	98776	882531	92.92%	12.799%
2	3.130	189	191	196	rVB	474	1059	0.11%	0.015%
3	4.186	312	316	321	rVB	318	1024	0.11%	0.015%
4	5.867	489	515	547	rBV4	6856	92848	9.78%	1.347%
5	6.331	567	570	575	rVB	556	1310	0.14%	0.019%
6	9.634	940	961	978	rBV3	107720	949742	100.00%	13.774%
7	9.888	978	991	1032	rVV3	88402	791448	83.33%	11.478%
8	10.242	1032	1033	1044	rVV3	1642	5846	0.62%	0.085%
9	10.352	1044	1046	1055	rVB3	740	2129	0.22%	0.031%
10	10.868	1089	1107	1141	rBV2	43685	357924	37.69%	5.191%
11	11.611	1178	1195	1236	rBV4	92337	755155	79.51%	10.952%
12	11.974	1236	1238	1244	rVB	679	1229	0.13%	0.018%
13	14.745	1547	1566	1600	rBV2	87880	682278	71.84%	9.895%
14	15.041	1600	1601	1607	rVB2	1016	1636	0.17%	0.024%
15	15.150	1612	1614	1625	rVB	693	1873	0.20%	0.027%
16	17.735	1905	1920	1971	rBV2	114018	763181	80.36%	11.068%
17	18.183	1971	1973	1979	rVB2	510	1202	0.13%	0.017%
18	19.991	2171	2187	2224	rBV2	138253	851387	89.64%	12.348%
19	20.388	2233	2234	2244	rVB3	607	1955	0.21%	0.028%
20	20.700	2269	2271	2279	rVB4	480	1498	0.16%	0.022%
21	22.111	2422	2438	2471	rBV	126325	729910	76.85%	10.586%
22	22.457	2477	2479	2481	rVB2	713	1001	0.11%	0.015%
23	22.491	2481	2483	2488	rVV2	646	1373	0.14%	0.020%
24	22.550	2488	2490	2500	rVB4	914	2323	0.24%	0.034%
25	22.702	2506	2508	2515	rVB2	599	1506	0.16%	0.022%
26	22.880	2524	2529	2533	rBV2	474	1682	0.18%	0.024%
27	22.922	2533	2534	2538	rVB2	759	1403	0.15%	0.020%
28	23.006	2543	2544	2554	rVB3	610	1891	0.20%	0.027%

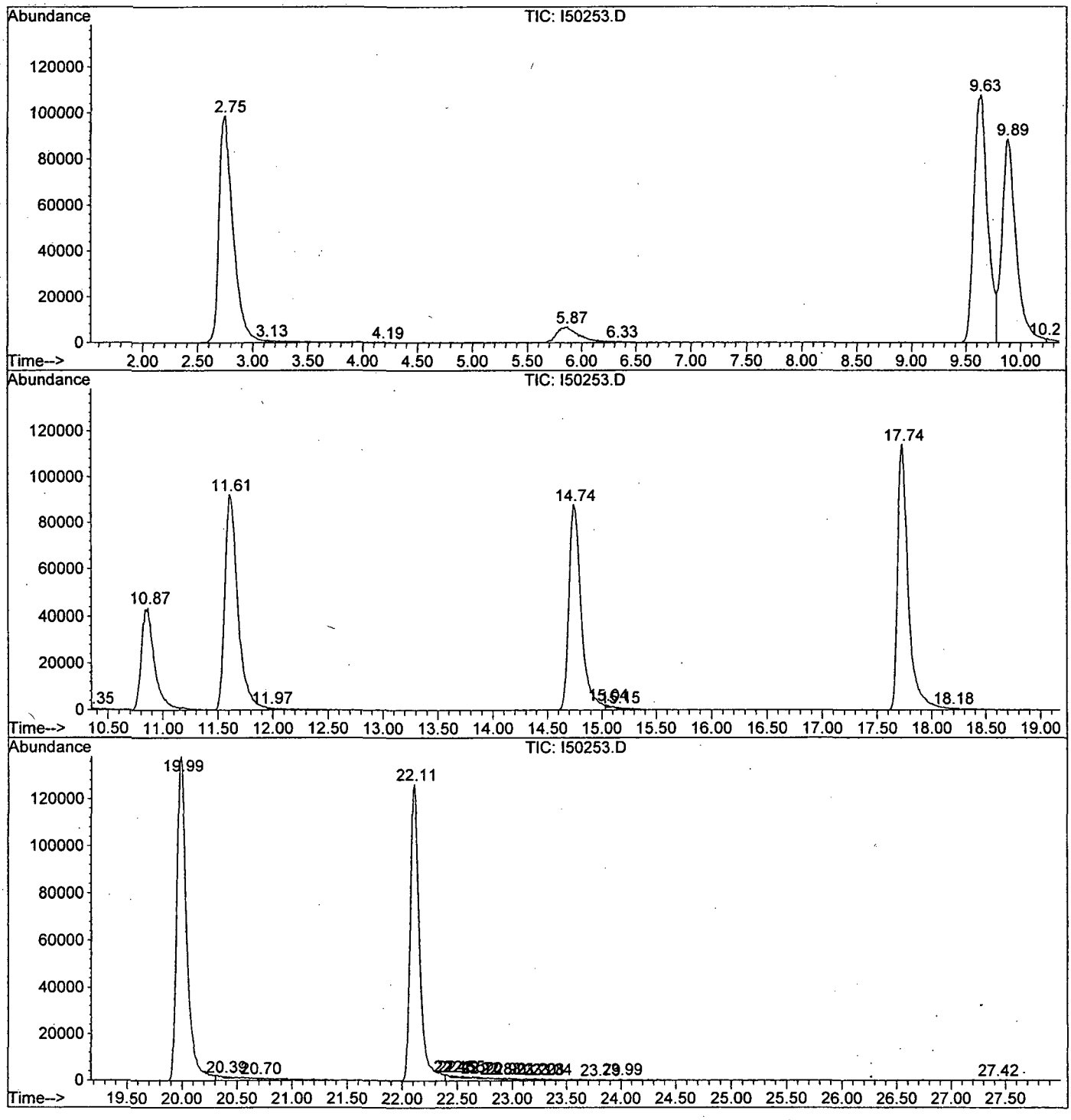
29	23.201	2566	2567	2571	rVB2	644	1026	0.11%	0.015%
30	23.277	2574	2576	2581	rVB2	640	1406	0.15%	0.020%
31	23.344	2581	2584	2588	rBV	580	1110	0.12%	0.016%
32	23.792	2634	2637	2641	rBV	422	1132	0.12%	0.016%
33	23.995	2656	2661	2666	rBB	646	1040	0.11%	0.015%
34	27.416	3063	3066	3074	rBB	317	1036	0.11%	0.015%

Sum of corrected areas: 6895094

I50253.D MI1986.M Tue Jan 08 13:58:24 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50253.D
Operator : RUIFENGY
Acquired : 1 Jan 2002 1:54 am using AcqMethod MI1986
Instrument : MSI
Sample Name: MB1
Misc Info : MS58639,VI2012,5,,100,5,1
Vial Number: 16
Quant File :MI1986.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50253.D
Acq On : 1 Jan 2002 1:54 am
Sample : MB1
Misc : MS58639,VI2012,5,,100,5,1
MS Integration Params: LSCINT.P

Vial: 16
Operator: RUIFENGY
Inst : MSI
Multiplr: 50.00

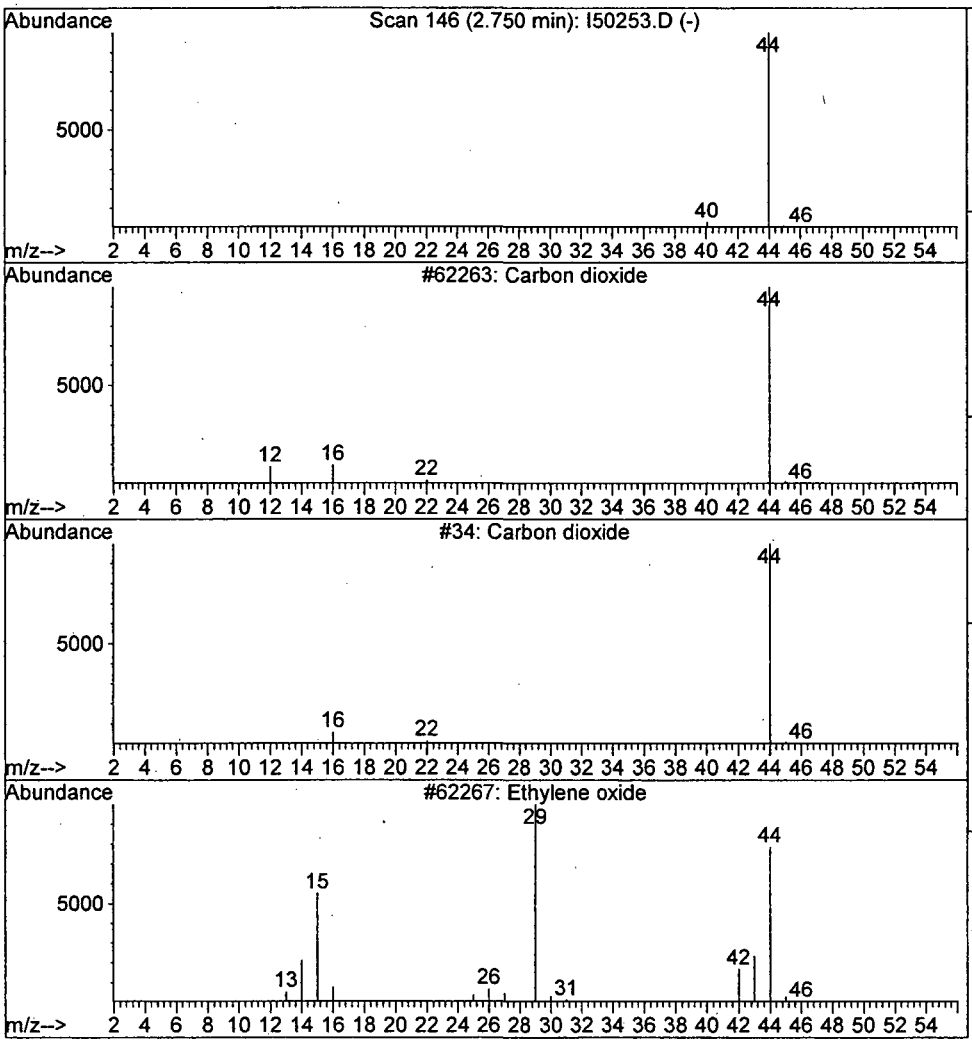
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

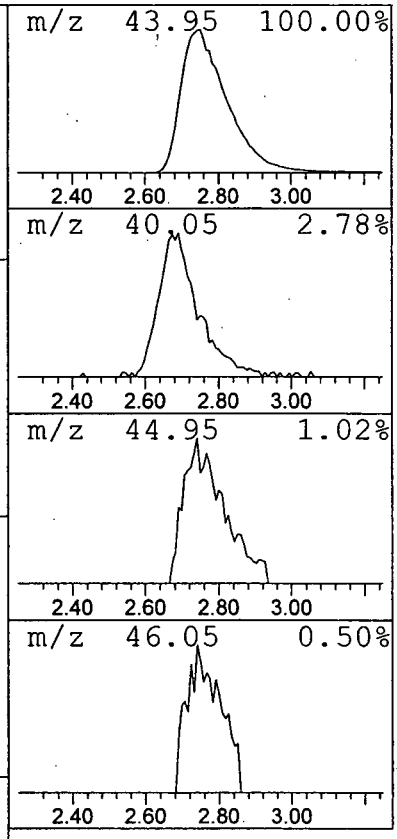
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Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	2323.08 PPb	882531	pentafluorobenzene	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3





Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 1 Jan 2002 1:54 am
Data File: C:\HPCHEM\1\DATA\I50253.D
Name: MB1
Misc: MS58639,VI2012,5,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.75	2323.1	PPb	882531	ISTD02	9.64	949742	50.0

I50253.D MI1986.M Tue Jan 08 13:58:37 2002 GCMS1

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI1986

: 12/7/01

Analyst Signature: SVL

Standard Data

ot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
mv-44-29	Surr./int.	25ppm
mv-44-28	Std B	100ppm
mv-44-21	C	↓
mv-44-101	A	↓
mv-44-13	D	↓
mv-44-1	~~Second Source~~	100ppm
mv-44-75		↓

Columns: 502
Method 8260
Seq. File: SVL.S
Initial Cal.: 1986
Date Archived:

QC Review: KH

Data File	Sample ID	Test 8260	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	IS	SU	Status (Data)	Comments	Ini
I49368	BFB1		SW		1								OK	1 scan	
49369	IC1986-1				2								NG		
49370	IC1986-5				3								OK	Std ABC 2.5 ml/5ml	
49371	IC1986-20				4								OK	10 ml	
49372	ICC1986-50				5								OK	25 ml	
49373	IC1986-10				6								OK	5 ml	
49374	IC1986-1				7								OK	0.5 ml 5ml	
49375	IC1986-100				8								OK	50 ml	
49376	IC1986-200				9								OK	100 ml	
49377	IC1986-400				10								NG		
49378	CL				11								OK		
49379	IC1986-400				12								OK	Std ABC 200 ul/5ml	
49380	CL				13								OK		
49381	CL				14								OK		
49382	MB1				15								OK		
49383	MB1				16								OK		
49384	N3667-9	partial 57849			17	4.9			62.5				OK		
49385	↓ -10	↓			18	5.0			59.8				OK		
49386	LCS				19								OK	9:43 pm	
49387	BFB2				20								OK	10:23 pm	
49388	CC1986-50				21								OK		
49389	MB2				22								OK		
49390	MB2				23								OK		
49391	N3530-1	partial 57788			24	5.0			53.2				OK		

= Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
iplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
le Amount = Volume (ML) or Weight (g)

AT

73

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI2008-2009

ate: 12/29/01 **Analyst Signature:** RT/

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr/Int	25 PPM
MV-44-32	Std A	100 PPM
MV-44-28	Std B	↓
MV-44-58	Std C	
MV-44-43	Std D	

Columns: RTX 502.2
Method 8260
Seq. File: 1228.S
Initial Cal.: VI1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	I S	S U	Status (Data)	Comments	Ini
	I50142	BS				13				50		√	√	OK	VI2008	
	50143	N4921-6	PPLHQ/M 58651			14	5.7	82	1	267		√	√	OK		
	50144	-7				15	5.4	85.2	1	272		√	√	OK		
	50145	-8				16	7.9	81.7	1	194		√	√	OK		
	50146	-9				17	6.9	83.9	1	216		√	√	OK		
	50147	-10				18	6.3	82.6	1	240		√	√	OK		
	50148	-11	↓			19	7.5	83.1	1	201		√	√	OK		
	50149	MB1				20				50		√	√	OK	VI2009	
	50150	BS				21				50		√	√	OK		
	50151	N4921-12	PPLTHQM 58651			22	5.6	83.5	1	267		√	√	OK		
	50152	-13				23	6.6	87	1	218		√	√	OK		
	50153	-14				24	7.2	87.1	1	199		√	√	OK		
	50154	-15				25	6.9	84.9	1	213		√	√	OK		
	50155	-16				26	7.4	90.2	1	187		√	√	OK		
	50156	-17	↓			27	7.4	90.7	1	186		√	√	OK		
	50157	BFB1				28								OK	time 0927, Autofinal	
	50158	CC1986-50				29						√	√	OK		
	50159	CL				30								not wrong		
	50160	MB2				31						√	√	OK		
	50161	N4921-18	PPLTHQM 58651			32	7.8	91.1	1	176		√	√	OK		
	50162	-18MS				33	7.8	91.1	1	176		√	√	OK		
	50163	-18MSD				34	7.8	91.1	1	176		√	√	OK		
	50164	-19	↓			35	8.0	90.4	1	173		√	√	OK		
	50165	N4709-6	SL 58568			36	4.5/mL	77.6	1	143		√	√	OK	from dil for extra	

TX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate. Cb to F-core
iplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
le Amount = Volume (ML) or Weight (g)

SOP

n: OR001-02
Date: 4/19/2001

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI2008, 2009, 2012

ate: 12/31/01 Analyst Signature: RTV

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr/Int	25ppm
MV-44-32	std A	100ppm
MV-44-28	std B	100ppm
MV-44-67	std C	100ppm
MV-44-49	std D	100ppm

Columns: RTX502.2
Method 8260
Seq. File: 1231.S
Initial Cal.: VI1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MI X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	I S	S U	Status (Data)	Comments	Ini
	>I50238	N5167-27													RTV 12/31	
R	I50235	N4921-5	PPLHOM 5865			25	6.2			262				OK	VI2008	
	50236	-5MS				26	6.2							OK		
	50237	-5MSD				27	6.2							OK		
	50238	MB3				1								OK		
R	50239	N5179-1	BTX 58961			2	18/10ml		2500					RR	VI2009 (RR 625 002)	
	50240	N4833-9	TCL+ 58943	TB		3	9.0			125				OK		
	50241	-2R				4	11.2	84.2		133				OK		
R	50242	N4946-1	TCL+10 5867	MT		5	4.9/5ml							RR	carry over	
R	50243	-2				6	5.3/5ml							RR	carry over	
R	50244	-3				7	5.0/5ml	93.5		56.9				OK		
R	50245	-4				8	4.9/5ml	77.8		65.6				OK		
	50246	N5398-1	BTX 58976			9	5.3g	86%		54.9				OK		
	50247	N5153-1	PPL 58809			10	5.8/10ml							RR	out BFB time	
	50248	CL				11								—		
	50249	CL				12								—		
	50250	BFB				13								OK	VI2012 11:57 PM	
	50251	CC1986-50				14								OK		
	50252	CL				15								OK		
	50253	MB1				16								OK		
	50254	N5242-25	PAHG 58862	TB		17				125				OK		
	50255	N4873-1	PPLT10 58639			18	3.9/5ml							OK		
	50256	N5247-1	BTXHMHCuMC 58844			19	5.2/10ml							OK		
	50257	N5247-2				20	6.1/10ml							OK		

TX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
tiplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
ple Amount = Volume (ML) or Weight (g)

OT

169 74

n: OR001-02
v. Date: 4/19/2001

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI1986

e: 12/7/01

Analyst Signature: SYL

Standard Data

ot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
mv-44-29	Surr./mt.	25ppm
mv-44-28	Std B	100ppm
mv-44-21	C	↓
mv-42-101	A	↓
mv-44-13	D	↓
mv-44-1	Second Source	100ppm
mv-44-75		↓

Columns: 502
Method 8260
Seq. File: SYL.S
Initial Cal.: 1986
Date Archived:

QC Review: KH

Data File	Sample ID	Test 8260	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	I S	S U	Status (Data)	Comments	Ini
I49368	BFB1		SW		1								OK	9:56 am	
49369	IC1986-1				2								NG		
49370	IC1986-5				3								OK	Std ABC 2.5 ml/50ml	
49371	IC1986-20				4								OK	10 ml	
49372	ICC1986-50				5								OK	25 ml	
49373	IC1986-10				6								OK	5 ml	
49374	IC1986-1				7								OK	0.5 ml 50ml	
49375	IC1986-100				8								OK	50 ml	
49376	IC1986-200				9								OK	100 ml	
49377	IC1986-400				10								NG		
49378	CL				11								OK		
49379	IC1986-400				12								OK	Std ABC 200 ml/50ml	
49380	CL				13								OK		
49381	CL				14								OK		
49382	MB1				15								OK		
49383	MB1				16								OK		
49384	N3667-9	partial 57849			17	4.9			62.5				OK		
49385	↓ -10	↓			18	5.0			59.8				OK		
49386	LCS				19								OK	9:43 pm	
49387	BFB2				20								OK	10:23 pm	
49388	CC1986-50				21								OK		
49389	MB2				22								OK		
49390	MB2				23								OK		
49391	N3530-1	partial 57788			24	5.0			53.2				OK		

Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
iplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
ple Amount = Volume (ML) or Weight (g)

AT

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75

n: OR001-02
ate: 4/19/2001

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI2008.2009, 2012

Date: 12/31/01 **Analyst Signature:** RTV

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr / Int	25PPM
MV-4432	std A	100PPM
MV-44-28	std B	100PPM
MV-44-67	std C	100PPM
MV-44-49	std D	100PPM

Columns: RTX502.2
Method 8260
Seq. File: 12315
Initial Cal.: VI1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MTX	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L+	IS	SU	Status (Data)	Comments	Ini
	>I50238	N5167-27													RTV 12/31	
R	I50235	N4921-5	PPLH10M 5861			25	6.2			262				OK	VI2008	
R	50236	-5MS				26	6.2							OK		
R	50237	-5MSD				27	6.2							OK		
	50238	MB3				1								OK		
R	50239	N5179-1	BTX 58961			2	18/10ml	<	25000					RR	VI2009 (RR625002)	
R	50240	N4833-9	TCL+ 58943	TB		3	9.0			125				OK		
R	50241	-2R				4	11.2	84.2		133				OK		
R	50242	N4946-1	TCL+10 58670	MT		5	4.9/5ml							RR	carry over	
R	50243	-2				6	5.3/5ml							RR	carry over	
R	50244	-3				7	5.8/5ml	93.5		56.9				OK		
R	50245	-4				8	4.9/5ml	77.8		65.6				OK		
	50246	N5398-1	BTX 58976			9	5.3g	86%		54.9				OK		
	50247	N5153-1	PPL 58809			10	5.8/10ml							RR	out BFB time	
	50248	CL				11								—		
	50249	CL				12								—		
	50250	BFB				13								OK	VI2012 11:57PM	
	50251	CC1986-50				14								OK		
	50252	CL				15								OK		
	50253	MB1				16								OK		
	50254	N5242-25	PPLG 58862	TB		17				125				OK		
	50255	N4873-1	PPLH10 58639			18	3.9/5ml	95.2		67.3				OK		
	50256	N5147-1	BTXMNLCLMC 58944			19	5.2/10ml	86.2		117				OK		
	50257	N5247-2				20	6.1/10ml			96.2				OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Multiplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
Sample Amount = Volume (ML) or Weight (g)

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI2012

12/31/01 **Analyst Signature:** RTV

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr/Int	25 PPM
MV-44-32	Std A	60 PPM
MV-44-28	Std B	100 PPM
MV-44-61	Std C	60 PPM
MV-44-48	Std D	100 PPM

Columns: RTX502.2
Method 8260
Seq. File: 1231.S
Initial Cal.: VI1986
Date Archived:

QC Review:

Data File	Sample ID	Test	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	I S	S U	Status (Data)	Comments	Ini
50258	N5247-3	BTXMW Cust 58864			21	5.7/10ml			112		~		OK	VI2012	
50259	-4	↓			22	5.7/10ml			105		~		OK		
50260	-5	↓	TB		23	10ml			100		~		OK		
50261	BS				24						~		OK		
50262	N5247-4MS				25	5.7/10ml			105		~		OK		
50263	↓ -4MSD				26	↓			105		~		OK		
50264	N5298-1	PPL+10 WAP 58939			27	8.5/25	13.7		200		~		OK		
50265	N5167-26	PPL+10 58905			28	9.8/25			138		~		OK		
50266	↓ -27	↓			29	9.6/25			144		~		OK		
50267	↓ -28	↓	MTB		30	18.0/25			125		~		OK		
50268	N5179-1	BTX 58961			31	18/10ml	~	625000					RR	2000,000 ~~1250000~~X	
50269	BFB				32								OK		
50270	CC1986-50				33						~		OK		
50271	CL				1						~		OK		
50272	MB2				2						~		OK		
50273	N5153-1	PPL 58809	SOL		3	5.8/10ml			86.2		~		OK RR	~~conf by I50247~~	
50274	N4946-10	TCL+10 M.T 58870			4	4.9/5ml					~		OK RR	CF50303	
50275	-2	↓			5	5.3/5ml			59		~		OK		
50276	N5309-2	8260STD 58913	SO		6	5/5ml			61.9		~		RR	2.5X +I50304	
50277	-3	↓	SO		7	5.1/5ml			65.9		~		OK		
50278	-4	↓	SO		8	5.0/5ml			62.5		~		OK		
50279	-7	↓	SO		9	5.3/5ml			56.1		~		RR	10X +I50305	
50280	CL				10										
50281	CL				11										

Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
= (Purge Volume)/(Sample Vo. (WT) x (% Solids)
ount = Volume (ML) or Weight (g)

SST

171

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2001-02
e: 4/19/2001

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI2013

Date: 1/2/01 **Analyst Signature:** RT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr/Int	25PPm
MV-44-72	Std A	100PPm
MV-44-28	Std B	100PPm
MV-44-67	Std C	100PPm
MV-44-49	Std D	100PPm

Columns: RTX502-2
Method 8260
Seq. File: 1231.S
Initial Cal.: VI1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	IS	SU	Status (Data)	Comments	Ini
	I50282	MB1				12		1		50		✓	✓	OK	VI2013	
	50283	BS				13						✓		OK		
	50284	N5469-10	MTBE 59007			14	11.3/25	83.4	1	133		✓		OK		
	50285	-1				15	9.9/25	72.9	1	162		✓		OK		
	50286	-3				16	9.1/25	81.0	1	170		✓		OK		
	50287	-4				17	11.8/25	76.6	1	138		✓		OK		
	50288	-5				18	9.7/25	80.9	1	159		✓		OK		
	50289	BFB				19								OK	1:36Am	
	50290	CC1986-50				20						✓		OK		
	50291	CC				21						✓		OK		
	50292	MB2				22						✓		OK		
	50293	N5469-7	MTBE 59007			23	10.4/25	79.6		151		✓		OK		
	50294	-9				24	11/25	80.8		141		✓		OK		
	50295	-9MS				25	10.4/25	79.6		151		✓		OK		
	50296	-9MSD				26	10.4/25	79.6		151		✓		OK		
R	50297	N5179-1	BTX 58961	01		27	1371ml	/	2,000,000	2000,000		✓		OK	1g→10ml, 50ul→50ml, 250ul→50ml	
	50298	N5446-1	BTXM 59003			28	8.0/25	95.8		109		✓		OK		
	50299	-2				29	11.7/25			111		✓		OK		
	50300	N5412-1	PPLTO 58981			30	8.8/25			157		✓		OK		
	50301	-2				31	9.9/25			136		✓		OK		
	50302	-3				32	9.7/25			144		✓		OK		
R	50303	N4946-1	TCLP10 MET 58607			33	4.9/5		1	63.3		✓		OK		
	50304	N5309-2	8260 STD 58913			34	5/5ml		2.5	155		✓		OK	+I 50276	
	50305	-7				35	5.3/5ml		10	502		✓	✓	OK	+I 50279	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Multiplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
Sample Amount = Volume (ML) or Weight (g)

ACCUTEST.

VOA Soil Sample Preparation Log

NaHSO4 Solution Lot: P0226

MeOH Lot: G2001

eived ate	Sample ID	Vial #	Soil Weight (g)	NaHS04 Solution (ml)	MeOH (ml)	Comments	Prepared By	Prepared (Date/Time)
18	N4873-1	#2	3.9		5 mL		JP	12/18/3:30
	N4874-1	#1	4.9		5mL			3:31
	-2	#2	4.7					3:32
	-3	#2	5.4					3:33
	-4	#2	5.1					3:34
	-5	#2	5.2					3:35
19	N4945-1	#1	4.7		5 mL		JP	12/19/3:35
	-2	#1	4.5					3:36
	-3	#1	4.6					3:37
	N4946-4	#1	4.9					3:38
	N4946-1	#1	4.9		5mL			3:39
	-2	#1	5.3					3:40
	-3	#1	5.6					3:42
19	N4990-1	#5	5.3		5mL		JP	12/29/9:30
	-1	#6	6.1	1g/5mL				9:31
	-1	#7	6.4					9:32
	-2	#5	5.7		5mL			9:33
	-2	#6	6.1	1g/5mL				9:34
	-2	#7	6.2					9:36
	-3	#5	5.4					9:38
	-3	#6	5.2	1g/5mL				9:39
	-3	#7	5.4.7		5mL JP	12/30		9:40
	-4	#5	5.2		5mL			9:41
	-4	#6	5.0	1g/5mL				9:42
	-4	#7	5.7					9:43
	-5	#5	5.6		5mL			9:44
	-5	#6	5.8	1g/5mL				9:45

Appendix 11

Laboratory Analytical Report - Soil Samples Collected on December 18, 2001

ACCUTEST

01/14/02

Technical Report for

Groundwater & Environmental Services

Fleet Bank, Wall, NJ

03-02046-02-03

Accutest Job Number: N4945

Report to:

Groundwater & Environmental Services
P.O. Box 1750
1340 Campus Parkway
Wall, NJ 07719

ATTN: Terri Evans

Total number of pages in report: 65

ACCREDITED IN ACCORDANCE WITH nelac

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

Vincent J. Pugliese
President

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

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Accutest Laboratories

Sample Summary

Groundwater & Environmental Services

Job No: N4945

Fleet Bank, Wall, NJ
Project No: 03-02046-02-03

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
N4945-1	12/18/01	10:15	JHM	12/19/01	SO	Soil	SE-2 #1
N4945-2	12/18/01	13:00	JHM	12/19/01	SO	Soil	SE-3 #2
N4945-3	12/18/01	13:15	JHM	12/19/01	SO	Soil	SE-4 #3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

ACCUTEST.

Laboratory Deliverables

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

Tina Lua Tang
QC Reviewer

1/14/2002
Date

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

ACCUTEST.

Percent Solids Determination

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

ACCUTEST.

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Reduced Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

Title/Cover Page

Deliverable Checklist

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B. Chain of Custody
C. Laboratory Chronicles

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D. Matrix Spike/Matrix Spike Duplicate Summary
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G. Calibration Summary (sorted by Instrument)
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H. Internal Standard Summary
I. Sample and Blank Chromatograms, Quant Reports, Mass Spectra, and Library Search Data

Section 3 GC Support Data

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   - Serial Dilution Results Summary
E. Calibration Summary
   - Calibration Check Standards Summary
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   - Duplicate Results Summary
D. Raw Data and IR Spectra (Petroleum Hydrocarbons)
E. Raw Data and Run Record (Hexavalent Chromium)

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

Results

Report of Analysis

Client Sample ID:	SE-2 #1		
Lab Sample ID:	N4945-1	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	Fleet Bank, Wall, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I50185.D	1	12/30/01	RFY	n/a	n/a	VI2010
Run #2							

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	3200	ug/kg	
107-13-1	Acrylonitrile	ND	3200	ug/kg	
71-43-2	Benzene	ND	63	ug/kg	
75-27-4	Bromodichloromethane	ND	320	ug/kg	
75-25-2	Bromoform	ND	320	ug/kg	
74-83-9	Bromomethane	ND	320	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	ug/kg	
108-90-7	Chlorobenzene	ND	320	ug/kg	
75-00-3	Chloroethane	ND	320	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1300	ug/kg	
67-66-3	Chloroform	ND	320	ug/kg	
74-87-3	Chloromethane	ND	320	ug/kg	
124-48-1	Dibromochloromethane	ND	320	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	320	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	320	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	320	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	ug/kg	
75-35-4	1,1-Dichloroethene	ND	320	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	320	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	320	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	ug/kg	
100-41-4	Ethylbenzene	ND	63	ug/kg	
75-09-2	Methylene chloride	ND	320	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	ug/kg	
127-18-4	Tetrachloroethene	234	320	ug/kg	J
108-88-3	Toluene	ND	63	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	ug/kg	
79-01-6	Trichloroethene	ND	320	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	ug/kg	
75-01-4	Vinyl chloride	ND	320	ug/kg	
1330-20-7	Xylene (total)	ND	130	ug/kg	

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

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

7

Report of Analysis

Client Sample ID:	SE-2 #1		
Lab Sample ID:	N4945-1	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	Fleet Bank, Wall, NJ		

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		55-132%
17060-07-0	1,2-Dichloroethane-D4	101%		54-129%
2037-26-5	Toluene-D8	100%		65-133%
460-00-4	4-Bromofluorobenzene	107%		58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.74	500	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE-3 #2		
Lab Sample ID:	N4945-2	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	98.5
Project:	Fleet Bank, Wall, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I50186.D	1	12/30/01	RFY	n/a	n/a	VI2010
Run #2							

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	2800	ug/kg	
107-13-1	Acrylonitrile	ND	2800	ug/kg	
71-43-2	Benzene	ND	56	ug/kg	
75-27-4	Bromodichloromethane	ND	280	ug/kg	
75-25-2	Bromoform	ND	280	ug/kg	
74-83-9	Bromomethane	ND	280	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	ug/kg	
108-90-7	Chlorobenzene	ND	280	ug/kg	
75-00-3	Chloroethane	ND	280	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1100	ug/kg	
67-66-3	Chloroform	ND	280	ug/kg	
74-87-3	Chloromethane	ND	280	ug/kg	
124-48-1	Dibromochloromethane	ND	280	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	280	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	280	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	280	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	ug/kg	
75-35-4	1,1-Dichloroethene	ND	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	280	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	280	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	ug/kg	
100-41-4	Ethylbenzene	ND	56	ug/kg	
75-09-2	Methylene chloride	ND	280	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	ug/kg	
127-18-4	Tetrachloroethene	ND	280	ug/kg	
108-88-3	Toluene	ND	56	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	ug/kg	
79-01-6	Trichloroethene	ND	280	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	ug/kg	
75-01-4	Vinyl chloride	ND	280	ug/kg	
1330-20-7	Xylene (total)	ND	110	ug/kg	

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

Report of Analysis

Client Sample ID:	SE-3 #2		
Lab Sample ID:	N4945-2	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	98.5
Project:	Fleet Bank, Wall, NJ		

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		55-132%
17060-07-0	1,2-Dichloroethane-D4	100%		54-129%
2037-26-5	Toluene-D8	100%		65-133%
460-00-4	4-Bromofluorobenzene	110%		58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.74	690	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	SE-4 #3		
Lab Sample ID:	N4945-3	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	97.1
Project:	Fleet Bank, Wall, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I50187.D	1	12/30/01	RFY	n/a	n/a	VI2010
Run #2							

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	2800	ug/kg	
107-13-1	Acrylonitrile	ND	2800	ug/kg	
71-43-2	Benzene	ND	56	ug/kg	
75-27-4	Bromodichloromethane	ND	280	ug/kg	
75-25-2	Bromoform	ND	280	ug/kg	
74-83-9	Bromomethane	ND	280	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	ug/kg	
108-90-7	Chlorobenzene	ND	280	ug/kg	
75-00-3	Chloroethane	ND	280	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1100	ug/kg	
67-66-3	Chloroform	ND	280	ug/kg	
74-87-3	Chloromethane	ND	280	ug/kg	
124-48-1	Dibromochloromethane	ND	280	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	280	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	280	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	280	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	ug/kg	
75-35-4	1,1-Dichloroethene	ND	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	280	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	280	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	ug/kg	
100-41-4	Ethylbenzene	ND	56	ug/kg	
75-09-2	Methylene chloride	ND	280	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	ug/kg	
127-18-4	Tetrachloroethene	ND	280	ug/kg	
108-88-3	Toluene	ND	56	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	ug/kg	
79-01-6	Trichloroethene	ND	280	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	ug/kg	
75-01-4	Vinyl chloride	ND	280	ug/kg	
1330-20-7	Xylene (total)	ND	110	ug/kg	

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

Report of Analysis

Client Sample ID:	SE-4 #3		
Lab Sample ID:	N4945-3	**Date Sampled:**	12/18/01
Matrix:	SO - Soil	**Date Received:**	12/19/01
Method:	SW846 8260B	**Percent Solids:**	97.1
Project:	Fleet Bank, Wall, NJ		

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		55-132%
17060-07-0	1,2-Dichloroethane-D4	99%		54-129%
2037-26-5	Toluene-D8	99%		65-133%
460-00-4	4-Bromofluorobenzene	111%		58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	carbon dioxide	2.72	430	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

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

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

CHAIN OF CUSTODY

ACCUTEST

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

ACCUTEST JOB #: N4945
ACCUTEST QUOTE #:

CLIENT INFORMATION

GES, Inc. JM
NAME
1340 Campus Parkway
ADDRESS
Wall NJ 07719
CITY, STATE ZIP

SEND REPORT TO: T. Evans
PHONE # 732-919-0100

FACILITY INFORMATION

Fleet Bank
PROJECT NAME
Wall, NJ
LOCATION
03-02046-02-03-XX
PROJECT NO.

FAX # 732-919-0916

ANALYTICAL INFORMATION

8260 TIO
% Moisture

MATRIX CODES

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

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	8260 TIO	% Moisture	LAB USE ONLY
-1	SE-2 #1	12/18/01	1015	JHM	SO	2						X	X	
-2	SE-3 #2	12/18/01	1300	JHM	SO	2						X	X	
-3	SE-4 #3	12/18/01	1315	JHM	SO	2						X	X	
														2110, 14

DATA TURNAROUND INFORMATION

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

APPROVED BY:

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

DATA DELIVERABLE INFORMATION

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

COMMENTS/REMARKS

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

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. John Montgomery	12/18/01 1800	1. T. Evans	2. T. Evans	12/19/01 0:45	2. [signature] 12-19-01 JM
3. [signature]	12-19-01 800	3. [signature]	4.		4.
5.		5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☑ TEMPERATURE 4 C

1 of 3

TRS

GC/MS

GC/MS
VOLATILE

ACCUTEST.

GC/MS METHODOLGY SUMMARY

VOLATILE ORGANIC METHOD 8260

This method can be summarizied as follows: For low level contamination, an insert gas is bubbled through 5ml sample. The purgeables are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the purgeable are trapped . When purging is complete, the sorbent tube is heated and backflushed with helium to desorb trapped sample components. The analytes are desorbed directly to a large bore capillary on capillary precolumn before being flash evaporated to a narrow bore capillary for analysis.

The column is temperature programmed to separate the analytes which are then detected with a mass spectrometer (MS) interfaced to the gas chromatograph. Wide bore capillary columns requirea jet separator, whereas narrow bore capillary collumns can be directly interfaced to the ion source.

Analytes eluted from the capillary column are introduced into the mass spectrometer via a jet separator or a direct connection. Identification of target analytes is accompliched by comparing their mass spectra with the electron impact spectra of authentic standard. Quantitation is accomplished by comparing the response of a major (quantitation) on relative to internal standard with a five-point calibration curve.

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

ACCUTEST.

GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Volatile

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Meet Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Meet Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		✓
9. Internal Standard Area/Retention Time Shift Meet Criteria		
If the requirement is not met, refer to the Internal Standard Summary for comment.		
10. Extraction Holding Time Met		N/A
If the holding time is not met, refer to the Sample Result page for comment.		✓
11. Analysis Holding Time Met		
If the holding time is not met, refer to the Sample Result page for comment.		

12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

Additional Comments:

QC Review Signature: Su Chou Date: 1/2/02

Form: RG04
Rev. Date: 2/9/00

Case Narrative
Library Search Data

The non-target compounds detected in this sample were tentatively identified using a search of the NIST/EPA Mass Spectral Library. This search selects certain uniqueness characteristics from the spectra of the non-target compounds and compares them to spectra of compounds that have been archived in the mass spectral Library. Compounds in the Library whose spectra most closely resemble the spectra of the non-target compounds are listed in order of their "match quality" in the search results.

Interpreting library search data is subjective and dependent upon the analyst's judgement. Subjectivity increases as spectral complexity increases and the likelihood of listing a non-target compound as an unknown becomes greater.

Qualitative identifications of non-targeted compounds must be evaluated carefully to determine if their chemical and physical properties are consistent with the compound classes that can be determined by the method in use. If the chemical and physical properties of the suspect compound indicate that presence is possible, the library search data provides the basis for further investigation. The information generated via library searches of non-targeted compounds should be treated as semi-qualitative.

Quantitative values placed on tentatively identified compounds (TICs) are calculated using an assumed response factor of one (1). This assumption can cause the calculated concentration to be grossly estimated and may be high by as much as a factor of five (5) or low by as much as a factor of one thousand (1,000). The accuracy of quantitative data generated using library search procedures is unknown and should be used guardedly.

The library search may have indicated the presence of organo-silicon compounds, carbon dioxide, or aldol condensates. The organo-silicon compounds that have been identified in samples are found in components of the analytical instrumentation. They are classified as normal system artifacts. Carbon dioxide, an atmospheric component is soluble in water and capable of being detected in purge and trap systems. Its presence is inconsequential because of its ubiquitous nature. Aldol condensates are byproducts of extraction/concentration procedures that use acetone as a solvent. They are produced under certain pH conditions, which are a function of sample matrix characteristics. None of these compounds are of sample origin and their appearance should be discounted for decision-making purposes.

Volatile Surrogate Recovery Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
N4945-1	I50185.D	95.0	101.0	100.0	107.0
N4945-2	I50186.D	95.0	100.0	100.0	110.0
N4945-3	I50187.D	95.0	99.0	99.0	111.0
N5167-7MS	I50189.D	98.0	106.0	101.0	103.0
N5167-7MSD	I50190.D	99.0	106.0	102.0	103.0
VI2010-BS	I50178.D	98.0	108.0	103.0	107.0
VI2010-MB1	I50177.D	96.0	103.0	100.0	110.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	55-132%
S2 = 1,2-Dichloroethane-D4	54-129%
S3 = Toluene-D8	65-133%
S4 = 4-Bromofluorobenzene	58-137%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N5167-7MS [a]	I50189.D	1	12/30/01	RFY	n/a	n/a	VI2010
N5167-7MSD [a]	I50190.D	1	12/30/01	RFY	n/a	n/a	VI2010
N5167-7 [a]	I50191.D	1	12/30/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Compound	N5167-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
107-02-8	Acrolein	ND		63500	34500	54	37600	59	9	1-199/35
71-43-2	Benzene	ND		6350	6020	95	5850	92	3	64-132/15
75-27-4	Bromodichloromethane	ND		6350	6750	106	6750	106	0	64-134/15
75-25-2	Bromoform	ND		6350	7370	116	7390	116	0	53-147/19
74-83-9	Bromomethane	ND		6350	5880	93	5870	92	0	45-132/19
56-23-5	Carbon tetrachloride	ND		6350	7120	112	6970	110	2	54-143/19
108-90-7	Chlorobenzene	ND		6350	6780	107	6600	104	3	56-137/17
75-00-3	Chloroethane	ND		6350	5610	88	5610	88	0	33-140/22
110-75-8	2-Chloroethyl vinyl ether	ND		31800	33900	107	34500	109	2	29-166/19
67-66-3	Chloroform	ND		6350	6120	96	6020	95	2	66-130/14
74-87-3	Chloromethane	ND		6350	4870	77	4850	76	0	46-137/22
124-48-1	Dibromochloromethane	ND		6350	7070	111	7110	112	1	61-138/15
95-50-1	1,2-Dichlorobenzene	ND		6350	6090	96	5960	94	2	46-139/18
541-73-1	1,3-Dichlorobenzene	ND		6350	6260	99	6300	99	1	44-143/19
106-46-7	1,4-Dichlorobenzene	ND		6350	6280	99	6110	96	3	44-143/20
75-71-8	Dichlorodifluoromethane	ND		6350	5140	81	4620	73	11	43-139/25
75-34-3	1,1-Dichloroethane	ND		6350	5760	91	5680	89	1	67-131/15
107-06-2	1,2-Dichloroethane	ND		6350	6740	106	6730	106	0	61-135/14
75-35-4	1,1-Dichloroethene	ND		6350	5750	91	5520	87	4	60-130/19
156-59-2	cis-1,2-Dichloroethene	ND		6350	5980	94	5820	92	3	63-132/16
156-60-5	trans-1,2-Dichloroethene	ND		6350	5590	88	5590	88	0	63-131/18
78-87-5	1,2-Dichloropropane	ND		6350	5760	91	5590	88	3	64-132/14
10061-01-5	cis-1,3-Dichloropropene	ND		6350	6230	98	6200	98	0	58-133/16
10061-02-6	trans-1,3-Dichloropropene	ND		6350	6670	105	6870	108	3	53-138/18
100-41-4	Ethylbenzene	ND		6350	6610	104	6510	103	2	49-143/20
75-09-2	Methylene chloride	ND		6350	5570	88	5370	85	4	57-130/15
79-34-5	1,1,2,2-Tetrachloroethane	ND		6350	5350	84	5500	87	3	41-135/23
127-18-4	Tetrachloroethene	ND		6350	7120	112	6920	109	3	27-207/27
108-88-3	Toluene	ND		6350	6520	103	6480	102	1	48-145/16
71-55-6	1,1,1-Trichloroethane	ND		6350	6710	106	6580	104	2	60-136/19
79-00-5	1,1,2-Trichloroethane	ND		6350	6140	97	6090	96	1	62-131/15
79-01-6	Trichloroethene	ND		6350	6470	102	6240	98	4	59-146/18
75-69-4	Trichlorofluoromethane	ND		6350	6340	100	6250	98	1	27-140/24
75-01-4	Vinyl chloride	ND		6350	5230	82	4900	77	7	49-142/20
1330-20-7	Xylene (total)	ND		19100	20100	106	19900	104	1	45-146/17

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N5167-7MS [a]	I50189.D	1	12/30/01	RFY	n/a	n/a	VI2010
N5167-7MSD [a]	I50190.D	1	12/30/01	RFY	n/a	n/a	VI2010
N5167-7 [a]	I50191.D	1	12/30/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Surrogate Recoveries	MS	MSD	N5167-7	Limits
1868-53-7	Dibromofluoromethane	98%	99%	96%	55-132%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	101%	54-129%
2037-26-5	Toluene-D8	101%	102%	100%	65-133%
460-00-4	4-Bromofluorobenzene	103%	103%	106%	58-137%

(a) Methanol preservation/extraction.

Blank Spike Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2010-BS	I50178.D	1	12/29/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
107-02-8	Acrolein	25000	26600	106	1-219
71-43-2	Benzene	2500	2460	98	74-127
75-27-4	Bromodichloromethane	2500	2880	115	71-134
75-25-2	Bromoform	2500	3270	131	63-144
74-83-9	Bromomethane	2500	2340	94	64-138
56-23-5	Carbon tetrachloride	2500	3120	125	58-144
108-90-7	Chlorobenzene	2500	2750	110	77-124
75-00-3	Chloroethane	2500	2250	90	64-143
110-75-8	2-Chloroethyl vinyl ether	12500	12600	101	28-165
67-66-3	Chloroform	2500	2500	100	72-129
74-87-3	Chloromethane	2500	1880	75	51-146
124-48-1	Dibromochloromethane	2500	3090	124	69-137
95-50-1	1,2-Dichlorobenzene	2500	2480	99	73-127
541-73-1	1,3-Dichlorobenzene	2500	2520	101	74-122
106-46-7	1,4-Dichlorobenzene	2500	2590	104	73-126
75-71-8	Dichlorodifluoromethane	2500	1690	68	47-143
75-34-3	1,1-Dichloroethane	2500	2320	93	70-130
107-06-2	1,2-Dichloroethane	2500	2880	115	67-138
75-35-4	1,1-Dichloroethene	2500	2250	90	64-129
156-59-2	cis-1,2-Dichloroethene	2500	2360	94	70-127
156-60-5	trans-1,2-Dichloroethene	2500	2210	88	65-128
78-87-5	1,2-Dichloropropane	2500	2370	95	71-132
10061-01-5	cis-1,3-Dichloropropene	2500	2640	106	67-124
10061-02-6	trans-1,3-Dichloropropene	2500	2820	113	63-126
100-41-4	Ethylbenzene	2500	2820	113	76-127
75-09-2	Methylene chloride	2500	2210	88	62-129
79-34-5	1,1,2,2-Tetrachloroethane	2500	2280	91	42-147
127-18-4	Tetrachloroethene	2500	2920	117	44-179
108-88-3	Toluene	2500	2680	107	74-126
71-55-6	1,1,1-Trichloroethane	2500	2820	113	64-136
79-00-5	1,1,2-Trichloroethane	2500	2610	104	70-132
79-01-6	Trichloroethene	2500	2660	106	73-135
75-69-4	Trichlorofluoromethane	2500	2780	111	52-147
75-01-4	Vinyl chloride	2500	2110	84	57-144
1330-20-7	Xylene (total)	7500	8400	112	77-126

Blank Spike Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2010-BS	I50178.D	1	12/29/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	55-132%
17060-07-0	1,2-Dichloroethane-D4	108%	54-129%
2037-26-5	Toluene-D8	103%	65-133%
460-00-4	4-Bromofluorobenzene	107%	58-137%

Method Blank Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2010-MB1	I50177.D	1	12/29/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	2500	ug/kg	
107-13-1	Acrylonitrile	ND	2500	ug/kg	
71-43-2	Benzene	ND	50	ug/kg	
75-27-4	Bromodichloromethane	ND	250	ug/kg	
75-25-2	Bromoform	ND	250	ug/kg	
74-83-9	Bromomethane	ND	250	ug/kg	
56-23-5	Carbon tetrachloride	ND	250	ug/kg	
108-90-7	Chlorobenzene	ND	250	ug/kg	
75-00-3	Chloroethane	ND	250	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1000	ug/kg	
67-66-3	Chloroform	ND	250	ug/kg	
74-87-3	Chloromethane	ND	250	ug/kg	
124-48-1	Dibromochloromethane	ND	250	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	250	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	250	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	250	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	250	ug/kg	
75-34-3	1,1-Dichloroethane	ND	250	ug/kg	
107-06-2	1,2-Dichloroethane	ND	250	ug/kg	
75-35-4	1,1-Dichloroethene	ND	250	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	250	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	250	ug/kg	
78-87-5	1,2-Dichloropropane	ND	250	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	250	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	250	ug/kg	
100-41-4	Ethylbenzene	ND	50	ug/kg	
75-09-2	Methylene chloride	ND	250	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	ug/kg	
127-18-4	Tetrachloroethene	ND	250	ug/kg	
108-88-3	Toluene	ND	50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	250	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	250	ug/kg	
79-01-6	Trichloroethene	ND	250	ug/kg	
75-69-4	Trichlorofluoromethane	ND	250	ug/kg	
75-01-4	Vinyl chloride	ND	250	ug/kg	
1330-20-7	Xylene (total)	ND	100	ug/kg	

Method Blank Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI2010-MB1	I50177.D	1	12/29/01	RFY	n/a	n/a	VI2010

The QC reported here applies to the following samples: **Method:** SW846 8260B

N4945-1, N4945-2, N4945-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	55-132%
17060-07-0	1,2-Dichloroethane-D4	103%	54-129%
2037-26-5	Toluene-D8	100%	65-133%
460-00-4	4-Bromofluorobenzene	110%	58-137%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	2.73	650	ug/kg	JN
	Total TIC, Volatile		650	ug/kg	

Instrument Performance Check (BFB)

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample:	VI1986-BFB1	**Injection Date:**	12/07/01
Lab File ID:	I49368.D	**Injection Time:**	09:54
Instrument ID:	GCMSI		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	9437	23.8	Pass
75	30.0 - 60.0% of mass 95	23187	58.6	Pass
95	Base peak, 100% relative abundance	39587	100.0	Pass
96	5.0 - 9.0% of mass 95	2726	6.9	Pass
173	Less than 2.0% of mass 174	81	0.2 (0.28) [a]	Pass
174	50.0 - 120.0% of mass 95	28869	72.9	Pass
175	5.0 - 9.0% of mass 174	2145	5.4 (7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	28443	71.8 (98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1828	4.6 (6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI1986-IC1986	I49370.D	12/07/01	11:12	01:18	Initial cal 5
VI1986-IC1986	I49371.D	12/07/01	11:52	01:58	Initial cal 20
VI1986-ICC1986	I49372.D	12/07/01	12:31	02:37	Initial cal 50
VI1986-IC1986	I49373.D	12/07/01	13:10	03:16	Initial cal 10
VI1986-IC1986	I49374.D	12/07/01	13:50	03:56	Initial cal 1
VI1986-IC1986	I49375.D	12/07/01	14:29	04:35	Initial cal 100
VI1986-IC1986	I49379.D	12/07/01	17:08	07:14	Initial cal 400
VI1986-MB1	I49383.D	12/07/01	19:46	09:52	Method Blank
ZZZZZZ	I49384.D	12/07/01	20:25	10:31	(unrelated sample)
ZZZZZZ	I49385.D	12/07/01	21:04	11:10	(unrelated sample)

Initial Calibration Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI1986-ICC1986
Lab FileID: I49372.D

Response Factor Report MSI

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 14:27:46 2001
Response via : Initial Calibration

Calibration Files
400 =I49379.D 100 =I49375.D 1 =I49374.D
50 =I49372.D 20 =I49371.D 5 =I49370.D 10 =I49373.D

Compound	400	100	1	50	20	5	10	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------			ISTD	----------				
2)M tertiary butyl al	1.428	1.338		1.379	1.287	1.035	1.360	1.304	10.73
3) I pentafluorobenzene	----------			ISTD	----------				
4)M chlorodifluoromet	0.482	0.523		0.509	0.463	0.470	0.532	0.497	5.80
5)M dichlorodifluorom	0.321	0.396		0.417	0.413	0.466	0.471	0.414	13.23
6)M Dichlorotetrafluo	0.310	0.353	0.382	0.350	0.342	0.316	0.367	0.346	7.50
7)M chloromethane	0.209	0.241		0.238	0.231	0.226	0.274	0.236	9.24
8)M vinyl chloride	0.176	0.202		0.208	0.228	0.220	0.221	0.209	9.09
9)M 1,3-butadiene	0.054	0.066		0.061	0.061	0.029	0.058	0.055	24.69
10)M bromomethane	0.251	0.283		0.280	0.310	0.251	0.292	0.278	8.43
11)M chloroethane	0.117	0.138		0.134	0.142	0.128	0.134	0.132	6.73
12)M trichlorofluorome	0.801	0.865		0.817	0.817	0.668	0.721	0.781	9.32
13)M ethyl ether	0.106	0.117	0.081	0.114	0.116	0.100	0.114	0.107	11.89
14)M acrolein		0.017	0.013	0.017	0.020	0.019	0.018	0.017	13.20
15)M freon 113	0.432	0.547		0.532	0.497	0.512	0.550	0.512	8.61
16)M acetone	0.078	0.062		0.056	0.060	0.072	0.099	0.071	22.42
17)M 1,1-dichloroethen	0.302	0.317	0.215	0.309	0.293	0.280	0.319	0.291	12.46
18)M acetonitrile	0.009	0.011		0.011	0.009	0.007	0.012	0.010	17.21
19)M iodomethane	0.833	0.928	0.844	0.916	0.918	0.907	0.966	0.902	5.22
20)M methyl acetate	0.136	0.163		0.160	0.158	0.117	0.178	0.152	14.18
21)M allyl chloride	0.341	0.379		0.372	0.366	0.388	0.385	0.372	4.59
22)M methylene chlorid	0.283	0.308	0.327	0.299	0.307	0.316	0.327	0.310	5.04
23)M carbon disulfide	0.702	0.762	0.607	0.740	0.721	0.717	0.757	0.715	7.34
24)M acrylonitrile								0.000	-1.00
25)M methyl tert butyl	0.786	0.847	0.960	0.834	0.860	0.886	0.886	0.865	6.22
26)M trans-1,2-dichlor	0.337	0.357	0.335	0.360	0.353	0.351	0.374	0.352	3.84
27)M hexane	0.257	0.274		0.273	0.278	0.261	0.318	0.277	7.93
28)M di-isopropyl ethe	1.042	1.165		1.141	1.079	1.102	1.236	1.127	6.11
29)M 1,1-dichloroethan	0.633	0.680	0.656	0.677	0.669	0.689	0.719	0.675	3.95
30)M vinyl acetate	0.054	0.053		0.058	0.052	0.032	0.056	0.051	18.50
31)M chloroprene	0.529	0.543		0.547	0.477	0.448	0.545	0.515	8.15
32)M ethyl tert-butyl	1.064	1.154		1.131	1.092	1.119	1.219	1.130	4.77
33)M 2-butanone	0.088	0.074		0.067	0.070	0.039	0.090	0.071	25.81
34)M 2,2-dichloropropa	0.427	0.509	0.480	0.551	0.536	0.523	0.593	0.517	10.28
35)M ethyl acetate	0.198	0.225		0.215	0.196	0.218	0.210	0.210	5.44
36)M cis-1,2-dichloroe	0.350	0.361	0.302	0.374	0.356	0.357	0.387	0.355	7.48
37)M methacrylonitrile	0.175	0.182		0.175	0.153	0.079	0.192	0.159	25.94
38)M chloroform	0.898	0.927	0.925	0.923	0.910	0.931	0.984	0.928	2.92
39)M bromochloromethan	0.265	0.272	0.150	0.269	0.268	0.255	0.269	0.250	17.76
40)M tetrahydrofuran	0.043	0.046		0.056	0.057	0.040	0.047	0.048	14.67
41)M 1,1,1-trichloroet	0.733	0.864	0.551	0.886	0.887	0.863	0.946	0.819	16.43
42)S dibromofluorometh	0.714	0.728	0.704	0.715	0.709	0.707	0.716	0.713	1.11
43)S 1,2-dichloroethan	0.487	0.573	0.518	0.526	0.523	0.509	0.514	0.521	5.05
44) I 1,4-difluorobenzene	----------			ISTD	----------				

Initial Calibration Summary

Job Number: N4945 **Sample:** VI1986-ICC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I49372.D
Project: Fleet Bank, Wall, NJ

45)M	1,1-dichloroprope	0.573	0.581	0.533	0.601	0.589	0.564	0.636	0.583	5.49
46)M	isopropyl acetate	1.598	1.684		1.670	1.566	1.641	1.813	1.662	5.18
47)M	carbon tetrachlor	0.932	0.988	0.850	0.988	0.953	0.882	1.002	0.942	6.15
48)M	cyclohexane	0.339	0.380	0.220	0.395	0.392	0.351	0.394	0.353	17.74
49)M	tert-amyl methyl	0.887	0.990		0.984	0.924	0.949	1.053	0.964	6.02
50)M	heptane	0.427	0.347		0.359	0.317	0.261	0.350	0.344	15.84
51)M	1,2-dichloroethan	0.647	0.690	0.846	0.693	0.694	0.733	0.717	0.717	8.73
52)M	benzene	0.765	0.836	0.937	0.859	0.852	0.861	0.905	0.859	6.29
53)M	Di-isobutylene	0.644	0.820		0.940	1.125	1.866	1.454	1.141	39.47
54)M	ethyl acrylate	0.475	0.408		0.329	0.292	0.230	0.261	0.333	27.95
55)M	trichloroethene	0.512	0.538	0.555	0.545	0.540	0.534	0.567	0.542	3.20
56)M	methylcyclohexane	0.353	0.395	0.531	0.403	0.377	0.372	0.406	0.405	14.44
57)M	1,2-dichloropropa	0.362	0.381	0.455	0.399	0.402	0.413	0.424	0.405	7.39
58)M	propyl acetate	0.395	0.420		0.406	0.387	0.357	0.476	0.407	9.86
59)M	methyl methacryla	0.197	0.195		0.191	0.198	0.187	0.192	0.194	2.12
60)M	bromodichlorometh	1.024	1.042	0.901	1.028	1.014	0.954	1.012	0.996	5.05
61)M	1,4-dioxane	0.001	0.002		0.002	0.001	0.001	0.001	0.001	29.41
62)M	dibromomethane	0.487	0.511	0.466	0.505	0.495	0.512	0.509	0.498	3.34
63)M	2-chloroethyl vin	0.163	0.154		0.139	0.110	0.089	0.115	0.128	22.16
64)M	4-methyl-2-pentan	0.097	0.106		0.101	0.101	0.091	0.107	0.101	6.00
65)M	cis-1,3-dichlorop	0.653	0.637	0.501	0.629	0.578	0.525	0.615	0.591	9.90
66)S	toluene-d8 (s)	0.938	0.926	0.884	0.903	0.902	0.897	0.893	0.906	2.08
67)M	toluene	0.591	0.616	0.606	0.626	0.600	0.623	0.642	0.615	2.85
68)M	trans-1,3-dichlor	0.608	0.569	0.357	0.541	0.471	0.433	0.471	0.493	17.47
69)M	ethyl methacrylat	0.431	0.447	0.352	0.446	0.426	0.398	0.424	0.418	8.05
70)M	1,1,2-trichloroet	0.305	0.333	0.285	0.332	0.326	0.328	0.341	0.322	6.02
71)M	2-hexanone	0.229	0.195		0.176	0.192	0.174	0.226	0.199	11.93
72) I	chlorobenzene-d5	----------	ISTD	----------						
73)M	1,3-dichloropropa	0.704	0.716	0.649	0.730	0.578	0.686	0.660	0.675	7.65
74)M	butyl acetate	0.203	0.217		0.213	0.149	0.152	0.185	0.187	16.11
75)M	tetrachloroethene	0.791	0.822	0.877	0.899	0.728	0.828	0.845	0.827	6.82
76)M	dibromochlorometh	1.185	1.157	0.854	1.157	0.908	0.960	1.007	1.033	12.95
77)M	1,2-dibromoethane	0.764	0.755	0.652	0.764	0.588	0.641	0.669	0.690	10.23
78)M	chlorobenzene	1.024	1.067	0.995	1.108	0.883	1.041	1.033	1.022	6.91
79)M	1,1,1,2-tetrachlo	0.709	0.746	0.696	0.780	0.606	0.682	0.702	0.703	7.73
80)M	ethylbenzene	1.524	1.648	1.670	1.725	1.353	1.518	1.577	1.574	7.87
81)M	m,p-xylene	0.543	0.573	0.593	0.599	0.497	0.551	0.583	0.563	6.29
82)M	o-xylene	0.547	0.560	0.550	0.613	0.483	0.551	0.566	0.553	6.90
83)M	styrene	0.966	0.961	0.713	0.988	0.744	0.753	0.832	0.851	13.96
84)M	butyl acrylate	0.962	0.924	0.706	0.854	0.560	0.506	0.589	0.729	25.46
85)M	bromoform	0.744	0.757	0.522	0.750	0.571	0.576	0.625	0.649	15.29
86)	1-chlorohexane	0.321	0.330	0.252	0.327	0.252	0.303	0.328	0.302	11.71
87)M	cyclohexanone	0.553	0.117	0.495	0.166	0.185	0.234	0.597	0.335	60.94
88) I	1,4-dichlorobenzene-d	----------	ISTD	----------						
89)S	4-bromofluorobenz	1.048	1.007	1.138	1.013	1.037	1.061	1.065	1.053	4.14
90)M	isopropylbenzene	2.248	2.455		2.623	2.745	2.909	3.044	2.671	10.97
91)M	1,1,2,2-tetrachlo	0.932	0.978	1.261	0.992	1.051	1.142	1.137	1.071	10.78
92)M	1,2,3-trichloropr	0.660	0.680		0.764	0.882	1.263	0.911	0.860	25.83
93)M	trans-1,4-dichlor	0.224	0.177		0.151	0.120	0.072	0.122	0.144	36.31
94)M	n-propylbenzene	2.708	2.911	3.834	3.040	3.060	3.130	3.342	3.146	11.44
95)M	bromobenzene	0.944	0.995	1.191	1.041	1.057	1.087	1.122	1.062	7.65
96)M	1,3,5-trimethylbe	2.012	2.199	3.193	2.342	2.471	2.660	2.669	2.507	15.36
97)M	2-chlorotoluene	2.065	2.187	2.827	2.505	2.509	2.387	2.846	2.475	11.92
98)M	4-chlorotoluene	2.362	2.556	3.338	2.488	2.645	2.974	2.805	2.738	12.17
99)M	tert-butylbenzene	1.728	1.905		1.997	2.018	2.202	2.261	2.019	9.67
100)M	1,2,4-trimethylbe	1.972	2.184		2.311	2.359	2.508	2.561	2.316	9.35
101)M	vinyl toluene								0.000	-1.00
102)M	pentachloroethane	0.824	0.857	0.912	0.887	0.863	0.860	0.936	0.877	4.28

Initial Calibration Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Sample: VI1986-ICC1986
Lab FileID: I49372.D

103)M	sec-butylbenzene	2.431	2.606	3.406	2.752	2.732	2.679	2.996	2.800	11.30
104)M	p-isopropyltoluen	2.052	2.202	2.664	2.298	2.266	2.330	2.384	2.314	8.12
105)M	1,3-dichlorobenze	1.388	1.409	1.667	1.431	1.440	1.417	1.499	1.464	6.55
106)M	1,4-dichlorobenze	1.479	1.525	1.772	1.561	1.584	1.662	1.590	1.596	6.02
107)M	n-butylbenzene	1.970	2.068	2.327	2.069	1.939	1.800	2.013	2.027	7.96
108)M	1,2-dichlorobenze	1.338	1.367	1.660	1.410	1.416	1.569	1.490	1.464	7.91
109)M	hexachloroethane	0.734	0.771	0.658	0.796	0.753	0.721	0.815	0.750	6.97
110)M	1,2-dibromo-3-chl	0.301	0.279		0.267	0.254	0.242	0.284	0.271	7.78
111)M	1,2,4-trichlorobe	0.892	0.901		0.836	0.699	0.464	0.742	0.756	21.69
112)M	hexachlorobutadie	0.628	0.731	1.004	0.770	0.697	0.691	0.870	0.770	16.61
113)M	naphthalene	1.203	1.104	0.758	0.918	0.835	0.626	0.865	0.901	21.95
114)M	1,2,3-trichlorobe	0.736	0.749	0.523	0.703	0.654	0.441	0.714	0.646	18.30

Average % RSD = 11.7

(#) = Out of Range ### Number of calibration levels exceeded format ###

MI1986.M Mon Dec 10 14:30:05 2001 GCMS1

Continuing Calibration Summary

Job Number: N4945 **Sample:** VI2010-CC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I50175.D
Project: Fleet Bank, Wall, NJ

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\I50175.D Vial: 2
Acq On : 29 Dec 2001 9:26 pm Operator: RUIFENGY
Sample : CC1986-50 Inst : MSI
Misc : MS58670,VI2010,10,,100,25,1 Multiplr: 1.00
MS Integration Params: RTEIN2.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	68	0.00
2	M	tertiary butyl alcohol	1.304	1.244	4.6	61	-0.03
3	I	pentafluorobenzene	1.000	1.000	0.0	76	-0.03
4	M	chlorodifluoromethane	0.497	0.465	6.4	69	-0.02
5	M	dichlorodifluoromethane	0.414	0.308	25.6#	56	-0.03
6	M	Dichlorotetrafluoroethane	0.346	0.261	24.6#	57	-0.04
7	M	chloromethane	0.236	0.204	13.6	65	0.00
8	M	vinyl chloride	0.209	0.171	18.2	63	0.00
9	M	1,3-butadiene	0.055	0.051	7.3	63	0.00
10	M	bromomethane	0.278	0.253	9.0	69	-0.03
11	M	chloroethane	0.132	0.111	15.9	63	-0.03
12	M	trichlorofluoromethane	0.781	0.859	-10.0	80	-0.03
13	M	ethyl ether	0.107	0.100	6.5	67	-0.04
14	M	acrolein	0.017	0.019	-11.8	82	0.00
15	M	freon 113	0.512	0.434	15.2	62	0.00
16	M	acetone	0.071	0.060	15.5	82	0.00
17	M	1,1-dichloroethene	0.291	0.265	8.9	65	-0.04
18	M	acetonitrile	0.010	0.008	20.0	60	0.00
19	M	iodomethane	0.902	0.868	3.8	72	-0.03
20	M	methyl acetate	0.152	0.174	-14.5	83	-0.02
21	M	allyl chloride	0.372	0.309	16.9	63	-0.03
22	M	methylene chloride	0.310	0.272	12.3	69	-0.03
23	M	carbon disulfide	0.715	0.576	19.4	59	-0.03
24	M	acrylonitrile	0.000	0.029	0.0	0#	-0.03
25	M	methyl tert butyl ether	0.865	0.838	3.1	76	-0.02
26	M	trans-1,2-dichloroethene	0.352	0.313	11.1	66	-0.03
27	M	hexane	0.277	0.197	28.9#	55	-0.02
28	M	di-isopropyl ether	1.127	0.993	11.9	66	-0.05
29	M	1,1-dichloroethane	0.675	0.621	8.0	70	-0.03
30	M	vinyl acetate	0.051	0.040	21.6#	52	-0.03
31	M	chloroprene	0.515	0.524	-1.7	73	-0.02
32	M	ethyl tert-butyl ether	1.130	1.069	5.4	72	0.00
33	M	2-butanone	0.071	0.060	15.5	68	-0.02
34	M	2,2-dichloropropane	0.517	0.430	16.8	59	-0.02
35	M	ethyl acetate	0.210	0.187	11.0	66	-0.02
36	M	cis-1,2-dichloroethene	0.355	0.332	6.5	68	-0.03
37	M	methacrylonitrile	0.159	0.132	17.0	57	-0.03
38	M	chloroform	0.928	0.907	2.3	75	-0.03
39	M	bromochloromethane	0.250	0.252	-0.8	71	-0.03
40	M	tetrahydrofuran	0.048	0.047	2.1	64	0.00
41	M	1,1,1-trichloroethane	0.819	0.905	-10.5	78	-0.03

Continuing Calibration Summary

Job Number: N4945 **Sample:** VI2010-CC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I50175.D
Project: Fleet Bank, Wall, NJ

42	S	dibromofluoromethane (s)	0.713	0.711	0.3	76	-0.03
43	S	1,2-dichloroethane-d4 (s)	0.521	0.586	-12.5	85	-0.02
44	I	1,4-difluorobenzene	1.000	1.000	0.0	71	-0.05
45	M	1,1-dichloropropene	0.583	0.588	-0.9	69	-0.03
46	M	isopropyl acetate	1.662	1.540	7.3	65	-0.04
47	M	carbon tetrachloride	0.942	1.097	-16.5	78	-0.03
48	M	cyclohexane	0.353	0.352	0.3	63	-0.04
49	M	tert-amyl methyl ether	0.964	1.034	-7.3	74	-0.03
50	M	heptane	0.344	0.211	38.7#	41#	-0.07
51	M	1,2-dichloroethane	0.717	0.812	-13.2	83	-0.03
52	M	benzene	0.859	0.814	5.2	67	-0.03
53	M	Di-isobutylene	1.141	0.812	28.8#	61	-0.04
54	M	ethyl acrylate	0.333	0.255	23.4#	55	-0.04
55	M	trichloroethene	0.542	0.541	0.2	70	-0.03
56	M	methylcyclohexane	0.405	0.283	30.1#	50#	-0.05
57	M	1,2-dichloropropane	0.405	0.364	10.1	64	-0.03
58	M	propyl acetate	0.407	0.391	3.9	68	-0.03
59	M	methyl methacrylate	0.194	0.193	0.5	71	-0.03
60	M	bromodichloromethane	0.996	1.116	-12.0	77	-0.04
61	M	1,4-dioxane	0.001	0.001	0.0	60	-0.03
62	M	dibromomethane	0.498	0.532	-6.8	74	-0.03
63	M	2-chloroethyl vinyl ether	0.128	0.127	0.8	65	-0.03
64	M	4-methyl-2-pentanone	0.101	0.098	3.0	68	-0.03
65	M	cis-1,3-dichloropropene	0.591	0.597	-1.0	67	-0.05
66	S	toluene-d8 (s)	0.906	0.915	-1.0	71	-0.04
67	M	toluene	0.615	0.625	-1.6	71	-0.04
68	M	trans-1,3-dichloropropene	0.493	0.534	-8.3	70	-0.03
69	M	ethyl methacrylate	0.418	0.436	-4.3	69	-0.03
70	M	1,1,2-trichloroethane	0.322	0.325	-0.9	69	-0.03
71	M	2-hexanone	0.199	0.178	10.6	71	-0.03
72	I	chlorobenzene-d5	1.000	1.000	0.0	73	-0.04
73	M	1,3-dichloropropane	0.675	0.715	-5.9	72	-0.03
74	M	butyl acetate	0.187	0.186	0.5	64	-0.04
75	M	tetrachloroethene	0.827	0.876	-5.9	72	-0.03
76	M	dibromochloromethane	1.033	1.192	-15.4	76	-0.04
77	M	1,2-dibromoethane	0.690	0.767	-11.2	74	-0.03
78	M	chlorobenzene	1.022	1.073	-5.0	71	-0.03
79	M	1,1,1,2-tetrachloroethane	0.703	0.829	-17.9	78	-0.04
80	M	ethylbenzene	1.574	1.659	-5.4	71	-0.03
81	M	m,p-xylene	0.563	0.578	-2.7	71	-0.03
82	M	o-xylene	0.553	0.593	-7.2	71	-0.03
83	M	styrene	0.851	0.906	-6.5	67	-0.03
84	M	butyl acrylate	0.729	0.622	14.7	54	-0.03
85	M	bromoform	0.649	0.821	-26.5#	80	-0.03
86		1-chlorohexane	0.302	0.330	-9.3	74	-0.04
87	M	cyclohexanone	0.335	0.000	100.0#	0#	-19.65#
88	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	75	-0.03
89	S	4-bromofluorobenzene (s)	1.053	1.069	-1.5	79	-0.03
90	M	isopropylbenzene	2.671	2.488	6.9	71	-0.03
91	M	1,1,2,2-tetrachloroethane	1.071	0.941	12.1	71	-0.03
92	M	1,2,3-trichloropropane	0.860	0.813	5.5	80	-0.04
93	M	trans-1,4-dichloro-2-butene	0.144	0.142	1.4	70	-0.03
94	M	n-propylbenzene	3.146	2.718	13.6	67	-0.03
95	M	bromobenzene	1.062	1.047	1.4	75	-0.03
96	M	1,3,5-trimethylbenzene	2.507	2.222	11.4	71	-0.03
97	M	2-chlorotoluene	2.475	2.178	12.0	65	-0.04
98	M	4-chlorotoluene	2.738	2.369	13.5	71	-0.03

Continuing Calibration Summary

Job Number: N4945 **Sample:** VI2010-CC1986
Account: GESNJ Groundwater & Environmental Services **Lab FileID:** I50175.D
Project: Fleet Bank, Wall, NJ

99	M	tert-butylbenzene	2.019	2.009	0.5	75	-0.03
100	M	1,2,4-trimethylbenzene	2.316	2.195	5.2	71	-0.03
101	M	vinyl toluene	0.000	0.000	0.0	0#	-0.03
102	M	pentachloroethane	0.877	0.935	-6.6	79	-0.03
103	M	sec-butylbenzene	2.800	2.488	11.1	68	-0.03
104	M	p-isopropyltoluene	2.314	2.099	9.3	68	-0.03
105	M	1,3-dichlorobenzene	1.464	1.373	6.2	72	-0.03
106	M	1,4-dichlorobenzene	1.596	1.524	4.5	73	-0.04
107	M	n-butylbenzene	2.027	1.714	15.4	62	-0.04
108	M	1,2-dichlorobenzene	1.464	1.371	6.4	73	-0.03
109	M	hexachloroethane	0.750	0.824	-9.9	78	-0.03
110	M	1,2-dibromo-3-chloropropane	0.271	0.267	1.5	75	-0.03
111	M	1,2,4-trichlorobenzene	0.756	0.778	-2.9	70	-0.03
112	M	hexachlorobutadiene	0.770	0.762	1.0	74	-0.02
113	M	naphthalene	0.901	0.868	3.7	71	-0.02
114	M	1,2,3-trichlorobenzene	0.646	0.591	8.5	63	-0.03

Average % D = 9.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I49372.D MI1986.M Tue Jan 01 12:35:40 2002 GCMS1

Volatile Internal Standard Area Summary

Job Number: N4945
Account: GESNJ Groundwater & Environmental Services
Project: Fleet Bank, Wall, NJ

Check Std:	VI2010-CC1986	**Injection Date:**	12/29/01
Lab File ID:	I50175.D	**Injection Time:**	21:26
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	53110	5.86	339802	9.63	298807	11.61	233764	17.72	158564	22.10
Upper Limit [a]	106220	6.36	679604	10.13	597614	12.11	467528	18.22	317128	22.60
Lower Limit [b]	26555	5.36	169901	9.13	149404	11.11	116882	17.22	79282	21.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VI2010-MB1	54499	5.85	338587	9.62	293567	11.61	230033	17.72	129029	22.10
VI2010-BS	54593	5.84	340617	9.63	289077	11.60	224578	17.72	150947	22.09
ZZZZZZ	54657	5.90	350321	9.63	304162	11.60	239864	17.73	140968	22.10
ZZZZZZ	54774	5.88	352623	9.63	303783	11.60	243572	17.74	137225	22.10
ZZZZZZ	55120	5.88	349941	9.63	302989	11.61	237361	17.72	140869	22.10
ZZZZZZ	58746	5.92	354286	9.63	306219	11.62	242016	17.73	134448	22.10
ZZZZZZ	57766	5.90	349632	9.62	306757	11.61	241187	17.73	135618	22.10
ZZZZZZ	59838	5.86	352696	9.63	309240	11.61	238121	17.73	138939	22.10
N4945-1	59097	5.88	355796	9.63	308467	11.61	247528	17.72	139179	22.10
N4945-2	56253	5.88	348224	9.62	303044	11.62	239823	17.73	134381	22.10
N4945-3	60093	5.86	352335	9.63	308780	11.61	241542	17.73	136545	22.11
ZZZZZZ	57662	5.89	345987	9.63	298560	11.60	238682	17.74	148511	22.11
N5167-7MS [c]	56235	5.91	348547	9.62	303973	11.60	234600	17.73	156931	22.10
N5167-7MSD [c]	59176	5.88	354821	9.63	310725	11.61	240954	17.73	159909	22.10
N5167-7	61892	5.90	351979	9.64	308002	11.61	243207	17.74	140452	22.10
ZZZZZZ	54910	5.89	347537	9.63	306502	11.62	240135	17.73	133647	22.10

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Methanol preservation/extraction.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50185.D Vial: 12
Acq On : 30 Dec 2001 3:59 am Operator: RUIFENGY
Sample : N4945-1 Inst : MSI
Misc : MS58673,VI2010,4.7,,100,5,1 Multiplr: 63.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:01 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.88	65	59097	500.00	PPb	0.02
3) pentafluorobenzene	9.63	168	355796	50.00	PPb	-0.03
44) 1,4-difluorobenzene	11.61	114	308467	50.00	PPb	-0.05
72) chlorobenzene-d5	17.72	117	247528	50.00	PPb	-0.04
88) 1,4-dichlorobenzene-d4	22.10	152	139179	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.88	113	240858	47.47	PPb	-0.03
Spiked Amount 50.000			Recovery =	94.94%		
43) 1,2-dichloroethane-d4 (s)	10.85	65	188280	50.74	PPb	-0.03
Spiked Amount 50.000			Recovery =	101.48%		
66) toluene-d8 (s)	14.74	98	280101	50.11	PPb	-0.04
Spiked Amount 50.000			Recovery =	100.22%		
89) 4-bromofluorobenzene (s)	19.98	174	156980	53.56	PPb	-0.03
Spiked Amount 50.000			Recovery =	107.12%		
Target Compounds						Qvalue
75) tetrachloroethene	16.22	166	15240	234.50	PPb	92

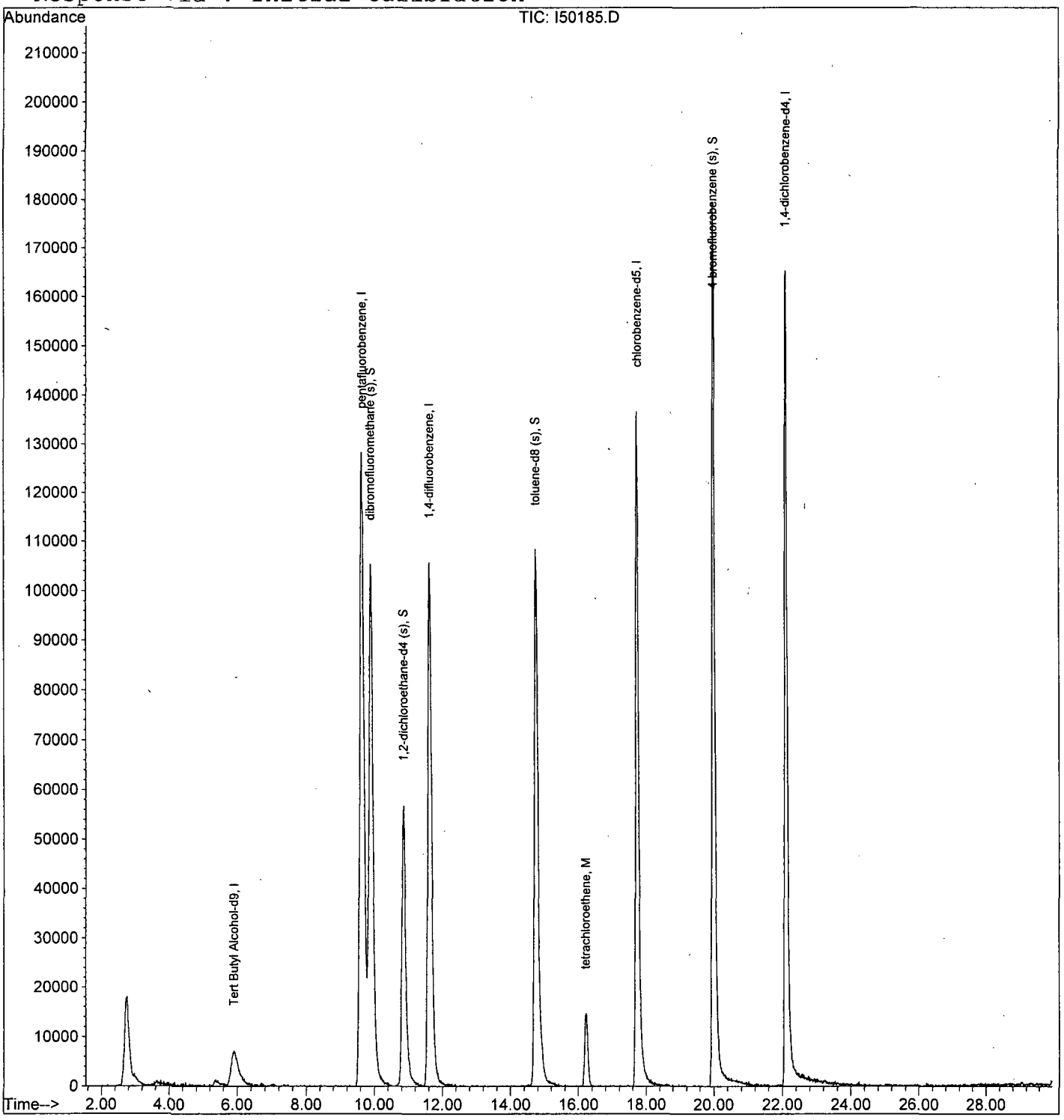
SKE
1/7

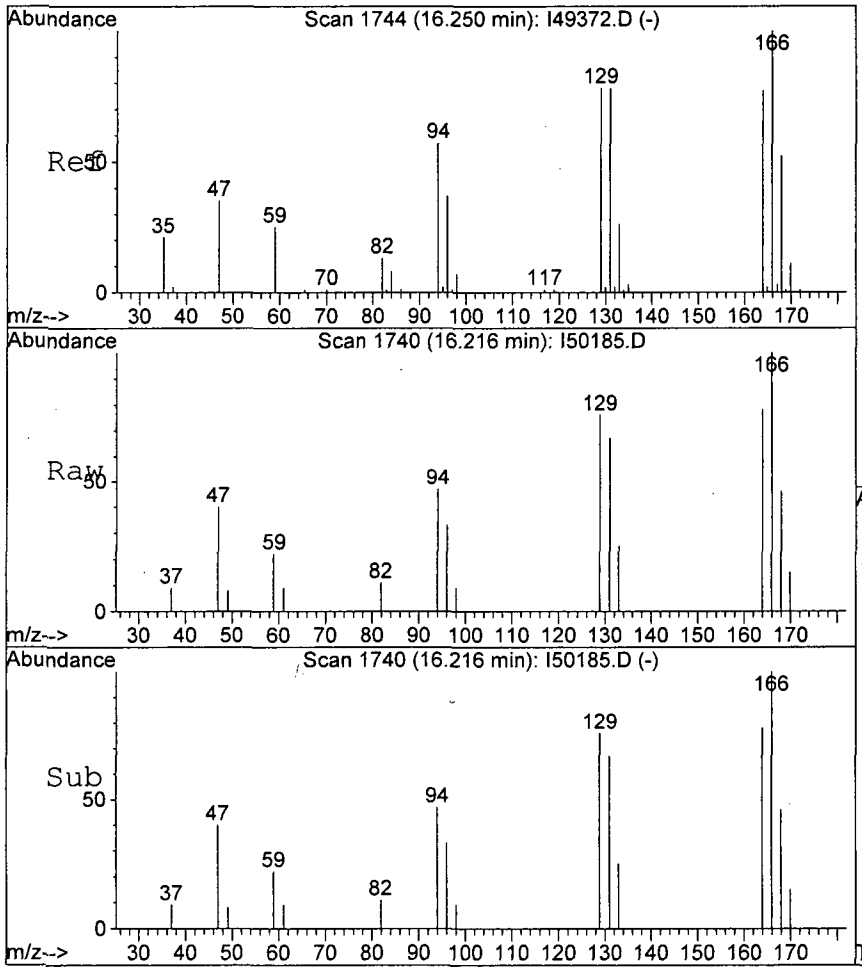
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50185.D Vial: 12
Acq On : 30 Dec 2001 3:59 am Operator: RUIFENGY
Sample : N4945-1 Inst : MSI
Misc : MS58673,VI2010,4.7,,100,5,1 Multiplr: 63.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:01 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration

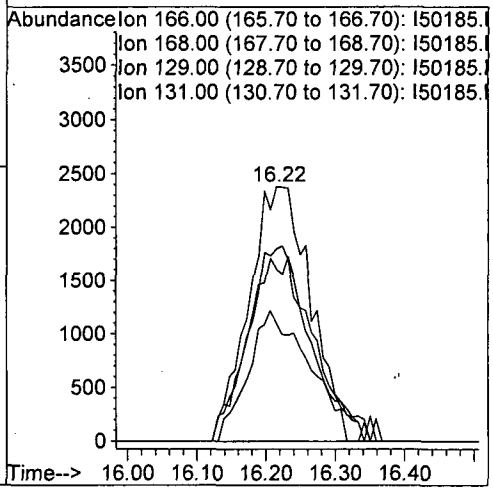




#75
tetrachloroethene
Concen: 234.50 PPb
RT: 16.22 min Scan# 1740
Delta R.T. -0.03 min
Lab File: I50185.D
Acq: 30 Dec 2001 3:59 am

Tgt Ion:166 Resp: 15240

Ion	Ratio	Lower	Upper
166	100		
168	46.4	22.5	82.5
129	75.6	38.7	98.7
131	67.3	43.0	103.0



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50185.D Vial: 12
Acq On : 30 Dec 2001 3:59 am Operator: RUIFENGY
Sample : N4945-1 Inst : MSI
Misc : MS58673,VI2010,4.7,,100,5,1 Multiplr: 63.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.742	123	145	168	rBV2	17975	176505	15.74%	2.365%
2	2.962	168	171	187	rVB2	1781	8723	0.78%	0.117%
3	3.612	242	248	250	rBV2	761	1833	0.16%	0.025%
4	3.680	254	256	261	rVB	604	1380	0.12%	0.018%
5	3.747	261	264	269	rBV2	952	1334	0.12%	0.018%
6	4.102	305	306	309	rBV2	645	1011	0.09%	0.014%
7	4.356	329	336	339	rBV2	533	1389	0.12%	0.019%
8	5.369	442	456	459	rBV3	1332	6284	0.56%	0.084%
9	5.428	459	463	471	rVB2	852	2985	0.27%	0.040%
10	5.884	495	517	553	rBV3	7192	105780	9.43%	1.417%
11	6.197	553	554	561	rVB2	1073	1780	0.16%	0.024%
12	6.417	576	580	586	rVB	551	1288	0.11%	0.017%
13	6.679	605	611	612	rBV	602	1014	0.09%	0.014%
14	9.627	939	960	978	rBV3	128249	1121191	100.00%	15.021%
15	9.880	978	990	1025	rVB3	104200	878811	78.38%	11.774%
16	10.260	1032	1035	1038	rVB2	835	1473	0.13%	0.020%
17	10.851	1083	1105	1147	rBV4	56715	453650	40.46%	6.078%
18	11.612	1174	1195	1231	rBV3	105653	854961	76.25%	11.454%
19	14.737	1543	1565	1613	rBV	108326	843389	75.22%	11.299%
20	15.151	1613	1614	1620	rVB2	556	1027	0.09%	0.014%
21	16.207	1728	1739	1758	rBB8	14648	93567	8.35%	1.254%
22	17.728	1903	1919	1952	rBV2	136608	869336	77.54%	11.647%
23	18.125	1963	1966	1970	rVB2	811	1001	0.09%	0.013%
24	19.975	2171	2185	2227	rBV2	179555	1062618	94.78%	14.236%
25	20.338	2227	2228	2235	rVB2	877	1859	0.17%	0.025%
26	20.541	2249	2252	2263	rVV4	254	1455	0.13%	0.019%
27	20.929	2294	2298	2299	rVB	678	1067	0.10%	0.014%
28	21.233	2331	2334	2339	rBB	605	1003	0.09%	0.013%

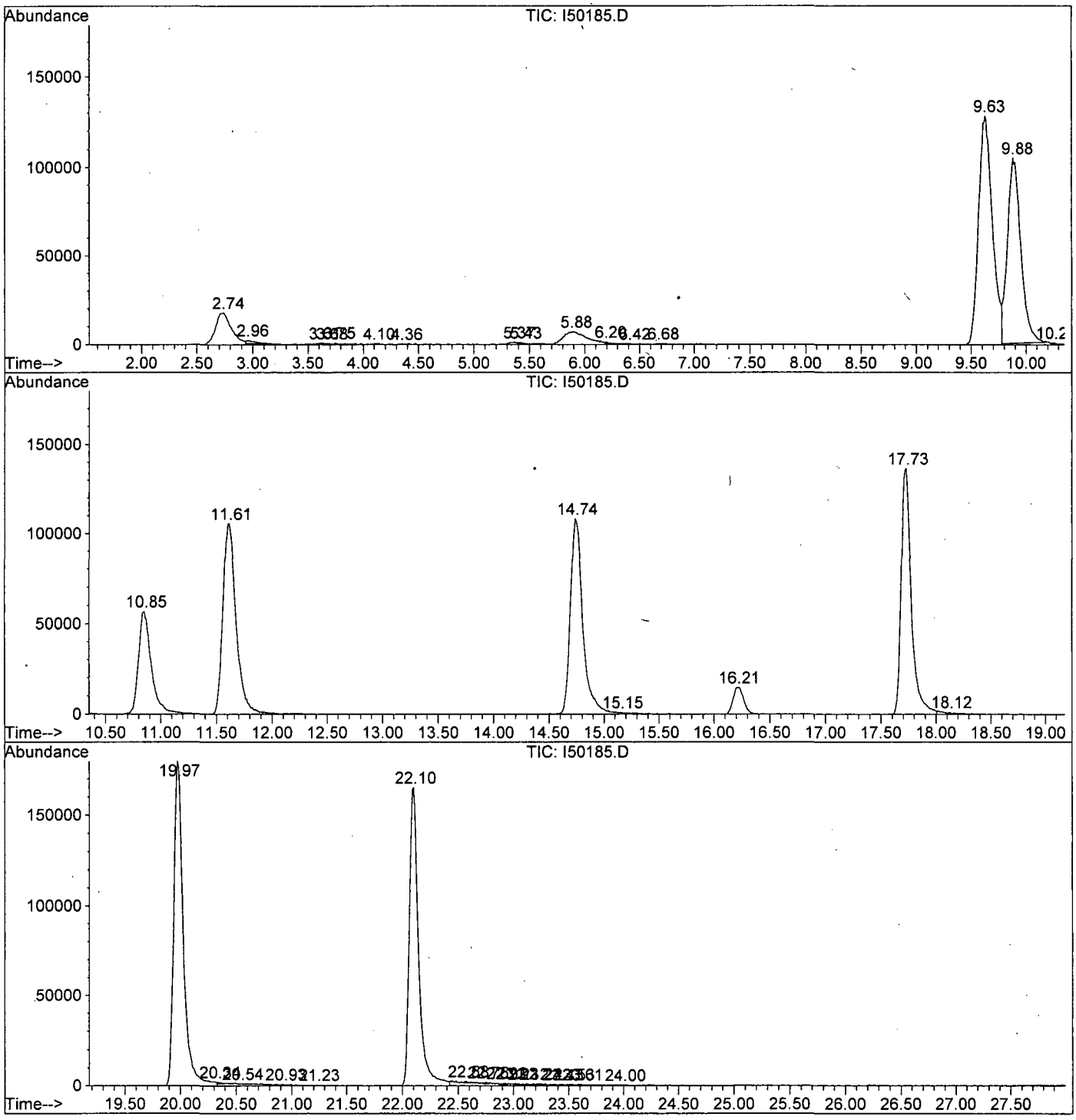
29	22.103	2424	2437	2475	rBV2	165252	952082	84.92%	12.756%
30	22.576	2490	2493	2497	rVB3	934	1441	0.13%	0.019%
31	22.754	2511	2514	2517	rVB3	1056	1650	0.15%	0.022%
32	22.923	2528	2534	2537	rVB3	870	2038	0.18%	0.027%
33	23.016	2544	2545	2552	rBV3	741	1424	0.13%	0.019%
34	23.117	2555	2557	2562	rVB	613	1193	0.11%	0.016%
35	23.235	2567	2571	2575	rVB3	669	1621	0.14%	0.022%
36	23.430	2591	2594	2598	rVB2	570	1280	0.11%	0.017%
37	23.531	2603	2606	2610	rVB2	718	1066	0.10%	0.014%
38	23.607	2610	2615	2618	rBV2	495	1293	0.12%	0.017%
39	23.995	2660	2661	2667	rVB2	521	1262	0.11%	0.017%

Sum of corrected areas: 7464064

I50185.D MI1986.M Mon Jan 07 12:49:32 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50185.D
Operator : RUIFENGY
Acquired : 30 Dec 2001 3:59 am using AcqMethod MI1986
Instrument : MSI
Sample Name: N4945-1
Misc Info : MS58673,VI2010,4.7,,100,5,1
Vial Number: 12
Quant File :MI1986.RES (RTE Integrator)



I50185.D MI1986.M Mon Jan 07 12:49:38 2002 GCMS1

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50185.D Vial: 12
Acq On : 30 Dec 2001 3:59 am Operator: RUIFENGY
Sample : N4945-1 Inst : MSI
Misc : MS58673,VI2010,4.7,,100,5,1 Multiplr: 63.00
MS Integration Params: LSCINT.P

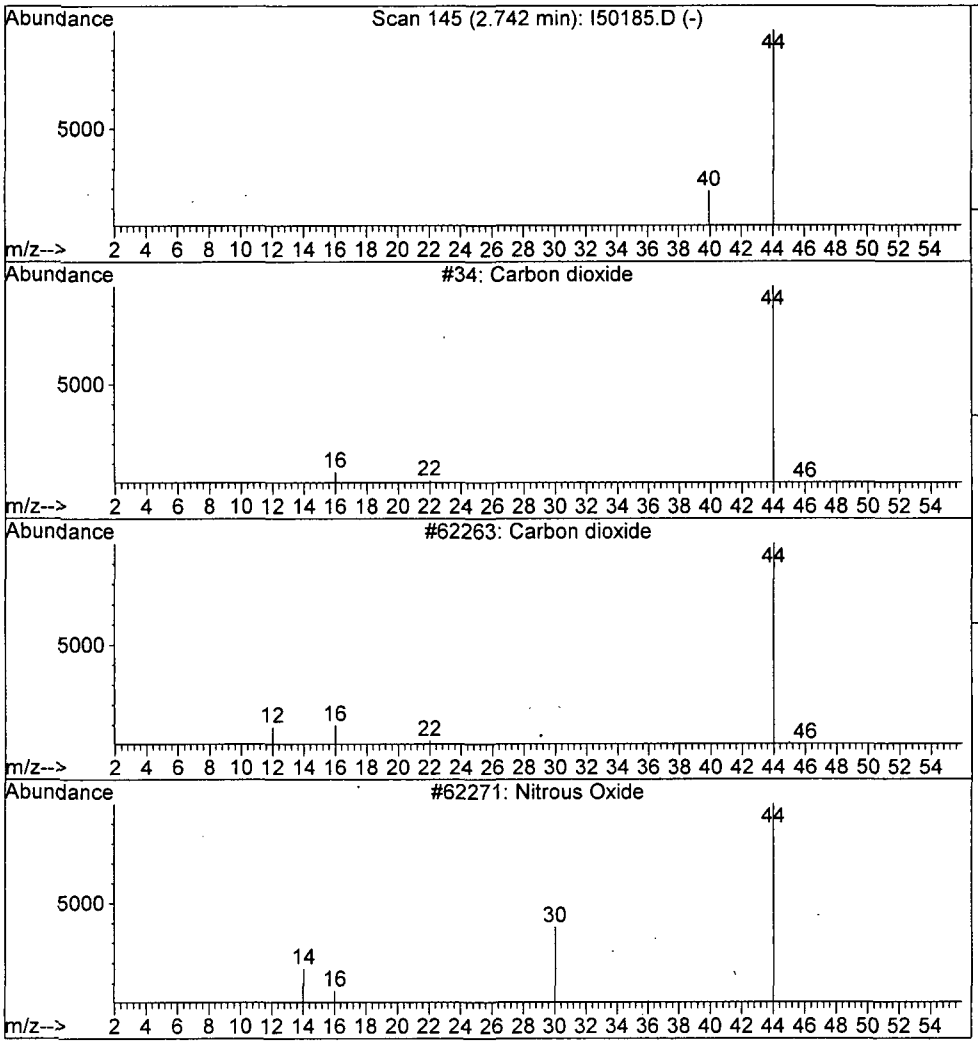
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	495.89 PPb	176505	pentafluorobenzene	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	3
2	Carbon dioxide	44	CO2	000124-38-9	3
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3



Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 30 Dec 2001 3:59 am
Data File: C:\HPCHEM\1\DATA\I50185.D
Name: N4945-1
Misc: MS58673,VI2010,4.7,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.74	495.9	PPb	176505	ISTD02	9.63	1121190	50.0

I50185.D MI1986.M Mon Jan 07 12:49:44 2002 GCMS1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50186.D Vial: 13
Acq On : 30 Dec 2001 4:38 am Operator: RUIFENGY
Sample : N4945-2 Inst : MSI
Misc : MS58673,VI2010,4.5,,100,5,1 Multiplr: 56.40
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:02 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.88	65	56253	500.00	PPb	0.02
3) pentafluorobenzene	9.62	168	348224	50.00	PPb	-0.04
44) 1,4-difluorobenzene	11.62	114	303044	50.00	PPb	-0.04
72) chlorobenzene-d5	17.73	117	239823	50.00	PPb	-0.03
88) 1,4-dichlorobenzene-d4	22.10	152	134381	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.88	113	236740	47.67	PPb	-0.03
Spiked Amount 50.000			Recovery =	95.34%		
43) 1,2-dichloroethane-d4 (s)	10.84	65	182061	50.13	PPb	-0.03
Spiked Amount 50.000			Recovery =	100.26%		
66) toluene-d8 (s)	14.75	98	274180	49.92	PPb	-0.03
Spiked Amount 50.000			Recovery =	99.84%		
89) 4-bromofluorobenzene (s)	19.98	174	156287	55.23	PPb	-0.03
Spiked Amount 50.000			Recovery =	110.46%		

Target Compounds Qvalue

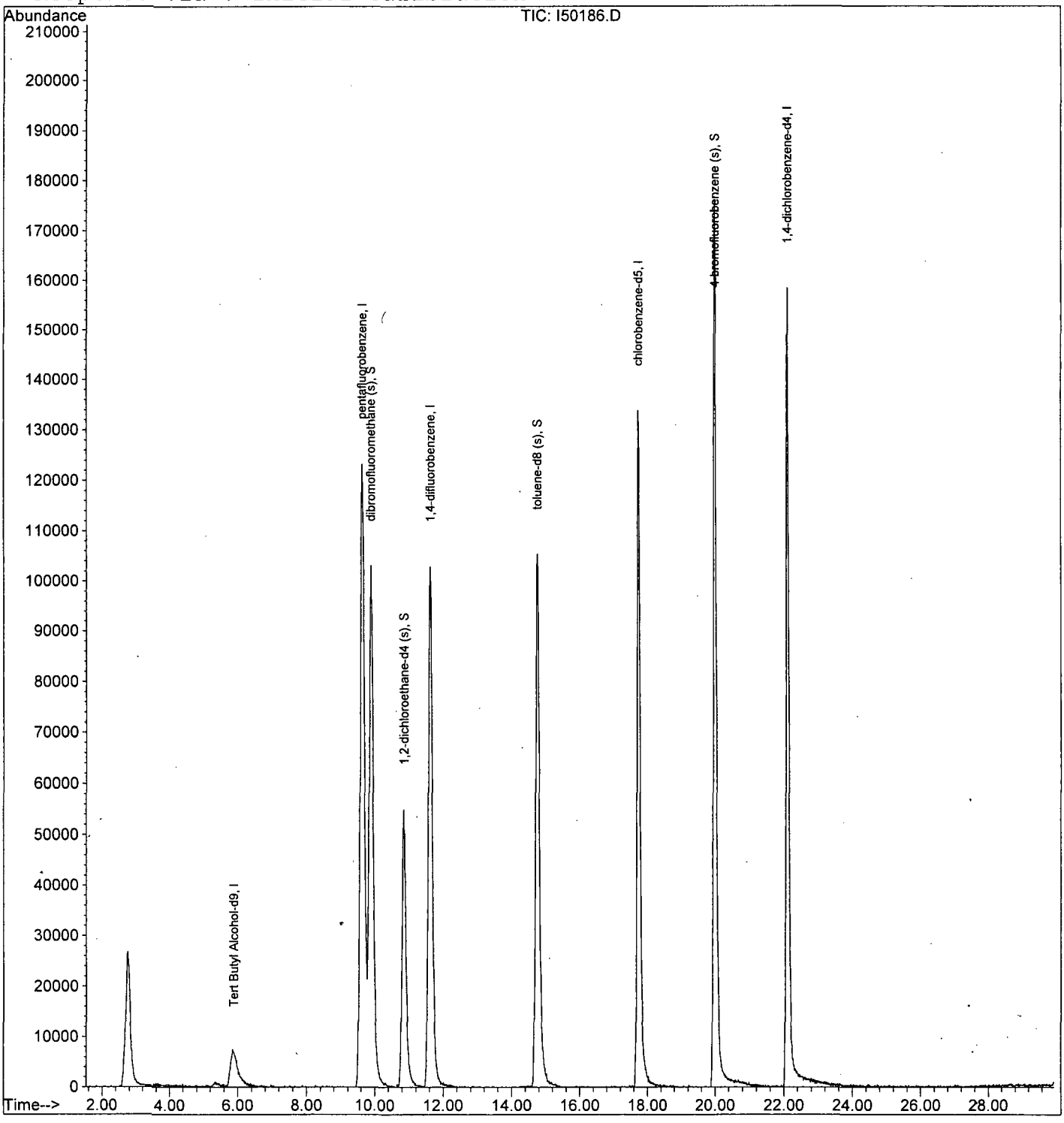
SXe
1/7

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50186.D Vial: 13
Acq On : 30 Dec 2001 4:38 am Operator: RUIFENGY
Sample : N4945-2 Inst : MSI
Misc : MS58673,VI2010,4.5,,100,5,1 Multiplr: 56.40
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:02 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50186.D Vial: 13
Acq On : 30 Dec 2001 4:38 am Operator: RUIFENGY
Sample : N4945-2 Inst : MSI
Misc : MS58673,VI2010,4.5,,100,5,1 Multiplr: 56.40
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.742	123	145	183	rBV2	26822	265464	24.38%	3.652%
2	3.528	231	238	239	rVB	700	1277	0.12%	0.018%
3	3.663	253	254	258	rVB	753	1138	0.10%	0.016%
4	3.722	258	261	265	rBV	605	1330	0.12%	0.018%
5	3.832	265	274	276	rVB	420	1806	0.17%	0.025%
6	4.322	322	332	333	rBB	383	1346	0.12%	0.019%
7	5.336	442	452	453	rBV	1003	3087	0.28%	0.042%
8	5.446	464	465	474	rVB2	546	1265	0.12%	0.017%
9	5.851	492	513	534	rBV4	7535	90813	8.34%	1.249%
10	6.214	555	556	562	rVB	702	1342	0.12%	0.018%
11	6.468	583	586	596	rBB	474	1328	0.12%	0.018%
12	9.618	938	959	977	rBV	123306	1088796	100.00%	14.977%
13	9.880	977	990	1038	rVV2	103089	901119	82.76%	12.395%
14	10.303	1038	1040	1053	rVB2	853	3448	0.32%	0.047%
15	10.852	1087	1105	1136	rBV2	54883	431115	39.60%	5.930%
16	11.122	1136	1137	1143	rVB2	805	1733	0.16%	0.024%
17	11.620	1176	1196	1224	rBV3	102967	831384	76.36%	11.436%
18	14.754	1548	1567	1611	rBV3	105422	815832	74.93%	11.222%
19	15.177	1616	1617	1624	rVB2	670	1175	0.11%	0.016%
20	17.728	1905	1919	1955	rBV2	133909	853458	78.39%	11.740%
21	18.040	1955	1956	1960	rVB2	1312	1443	0.13%	0.020%
22	18.294	1983	1986	1993	rVB2	515	1642	0.15%	0.023%
23	18.378	1993	1996	2002	rBB	529	1047	0.10%	0.014%
24	19.983	2172	2186	2233	rBV	176171	1038897	95.42%	14.290%
25	20.490	2244	2246	2255	rVB3	728	2420	0.22%	0.033%
26	20.600	2255	2259	2264	rVV2	694	1792	0.16%	0.025%
27	20.684	2266	2269	2282	rVB3	734	2534	0.23%	0.035%
28	22.095	2421	2436	2478	rBV2	158574	900414	82.70%	12.386%

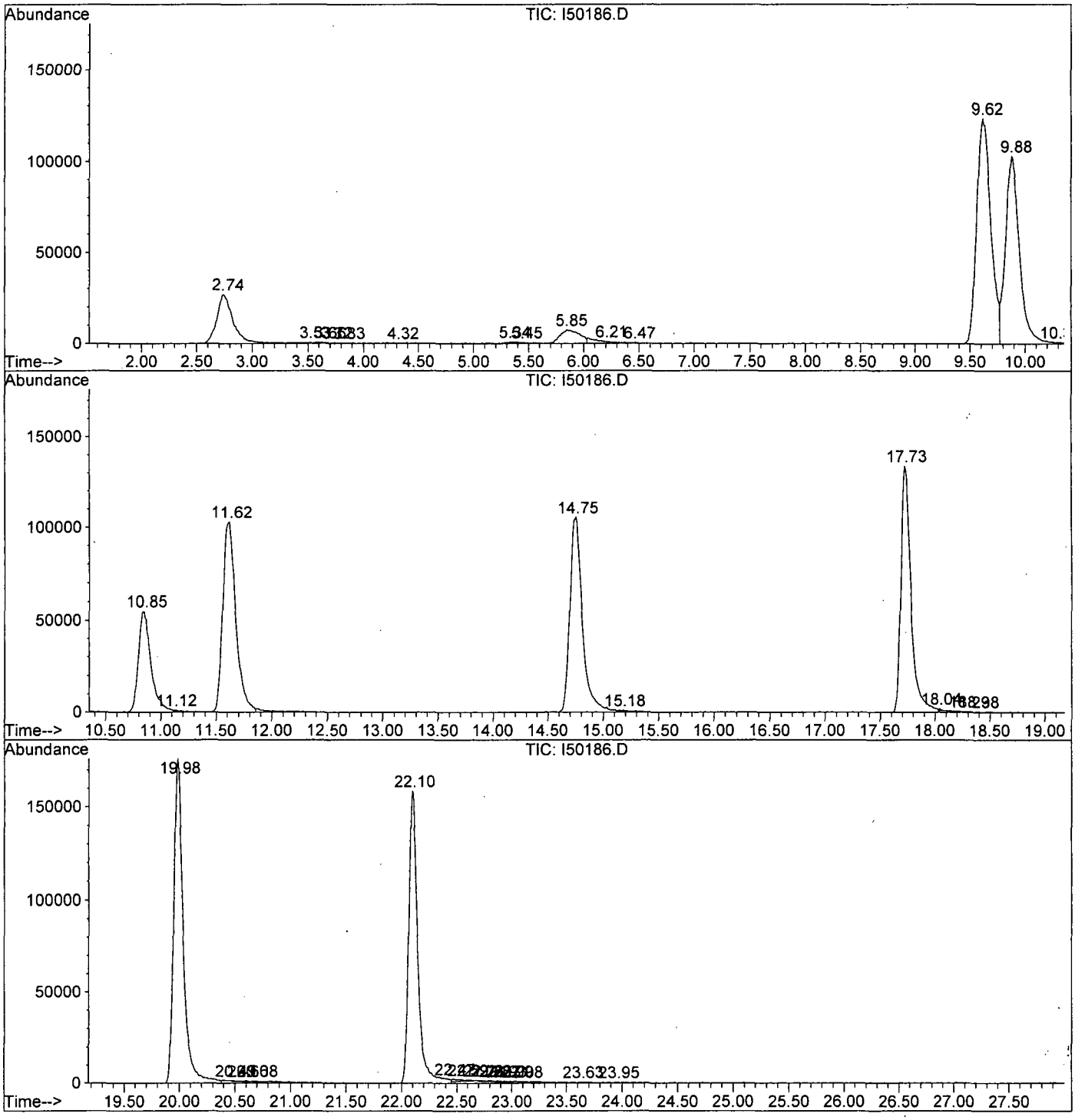
29	22.467	2478	2480	2493	rVV4	1320	6930	0.64%	0.095%
30	22.585	2493	2494	2502	rVV4	639	2172	0.20%	0.030%
31	22.729	2508	2511	2516	rVB4	721	2043	0.19%	0.028%
32	22.796	2516	2519	2525	rVV5	807	2044	0.19%	0.028%
33	22.872	2525	2528	2533	rVB4	925	2063	0.19%	0.028%
34	22.931	2533	2535	2539	rBV	656	1107	0.10%	0.015%
35	22.991	2539	2542	2545	rBV2	632	1070	0.10%	0.015%
36	23.083	2552	2553	2563	rVB4	484	1280	0.12%	0.018%
37	23.633	2613	2618	2626	rBV2	518	1651	0.15%	0.023%
38	23.954	2653	2656	2660	rBB	561	1044	0.10%	0.014%

Sum of corrected areas: 7269849

I50186.D MI1986.M Mon Jan 07 12:50:30 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50186.D
Operator : RUIFENGY
Acquired : 30 Dec 2001 4:38 am using AcqMethod MI1986
Instrument : MSI
Sample Name: N4945-2
Misc Info : MS58673,VI2010,4.5,,100,5,1
Vial Number: 13
Quant File :MI1986.RES (RTE Integrator)



I50186.D MI1986.M Mon Jan 07 12:50:36 2002 GCMS1

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50186.D Vial: 13
Acq On : 30 Dec 2001 4:38 am Operator: RUIFENGY
Sample : N4945-2 Inst : MSI
Misc : MS58673,VI2010,4.5,,100,5,1 Multiplr: 56.40
MS Integration Params: LSCINT.P

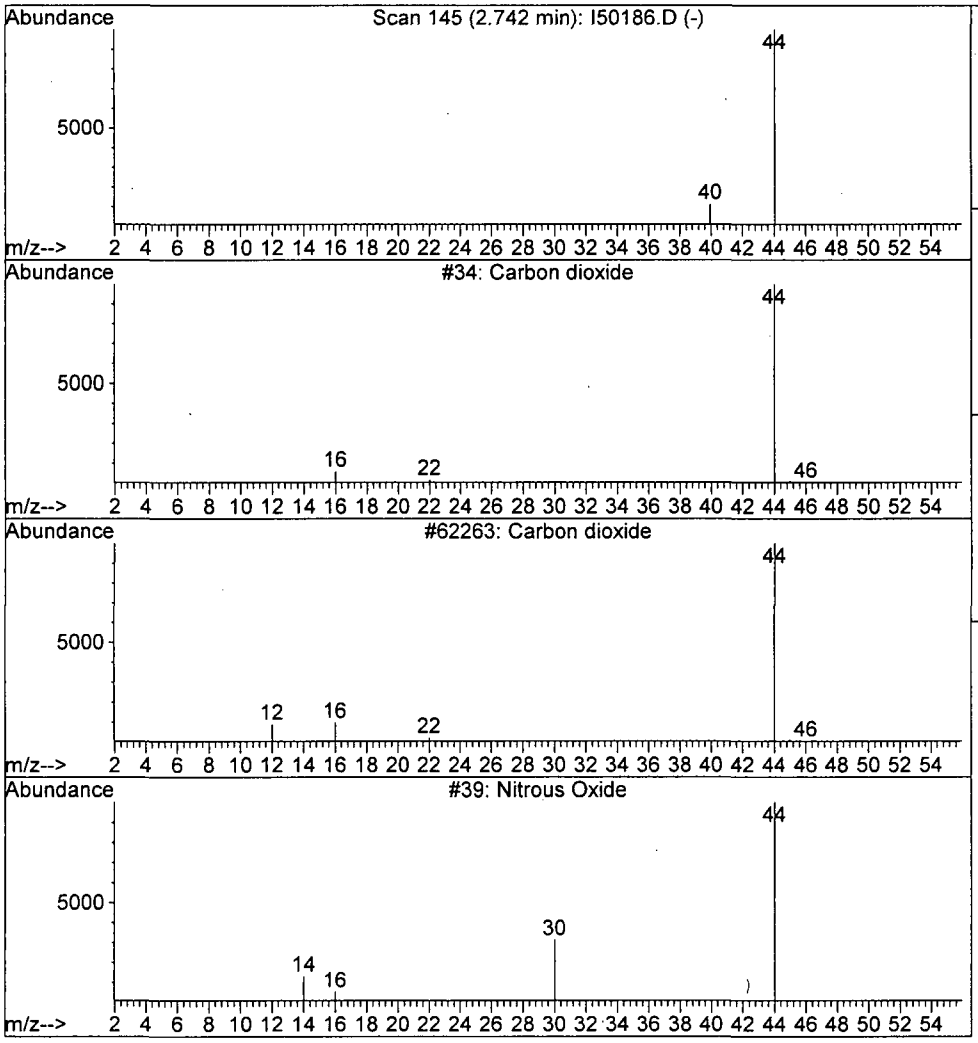
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

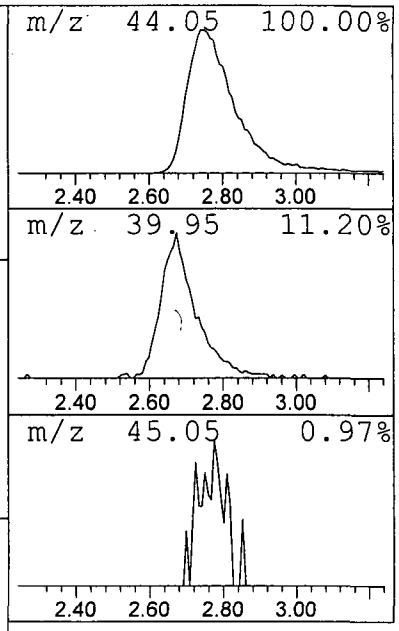
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Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	687.56 PPb	265464	pentafluorobenzene	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	3
2	Carbon dioxide	44	CO2	000124-38-9	3
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3





Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 30 Dec 2001 4:38 am
Data File: C:\HPCHEM\1\DATA\I50186.D
Name: N4945-2
Misc: MS58673,VI2010,4.5,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.74	687.6	PPb	265464	ISTD02	9.62	1088800	50.0

I50186.D MI1986.M Mon Jan 07 12:50:42 2002 GCMS1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50187.D Vial: 14
Acq On : 30 Dec 2001 5:17 am Operator: RUIFENGY
Sample : N4945-3 Inst : MSI
Misc : MS58673,VI2010,4.6,,100,5,1 Multiplr: 56.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:03 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.86	65	60093	500.00	PPb	0.00
3) pentafluorobenzene	9.63	168	352335	50.00	PPb	-0.04
44) 1,4-difluorobenzene	11.61	114	308780	50.00	PPb	-0.05
72) chlorobenzene-d5	17.73	117	241542	50.00	PPb	-0.04
88) 1,4-dichlorobenzene-d4	22.11	152	136545	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.90	113	239733	47.71	PPb	-0.02
Spiked Amount 50.000			Recovery =	95.42%		
43) 1,2-dichloroethane-d4 (s)	10.85	65	182415	49.64	PPb	-0.03
Spiked Amount 50.000			Recovery =	99.28%		
66) toluene-d8 (s)	14.75	98	277459	49.58	PPb	-0.03
Spiked Amount 50.000			Recovery =	99.16%		
89) 4-bromofluorobenzene (s)	19.99	174	159115	55.34	PPb	-0.03
Spiked Amount 50.000			Recovery =	110.68%		

Target Compounds Qvalue

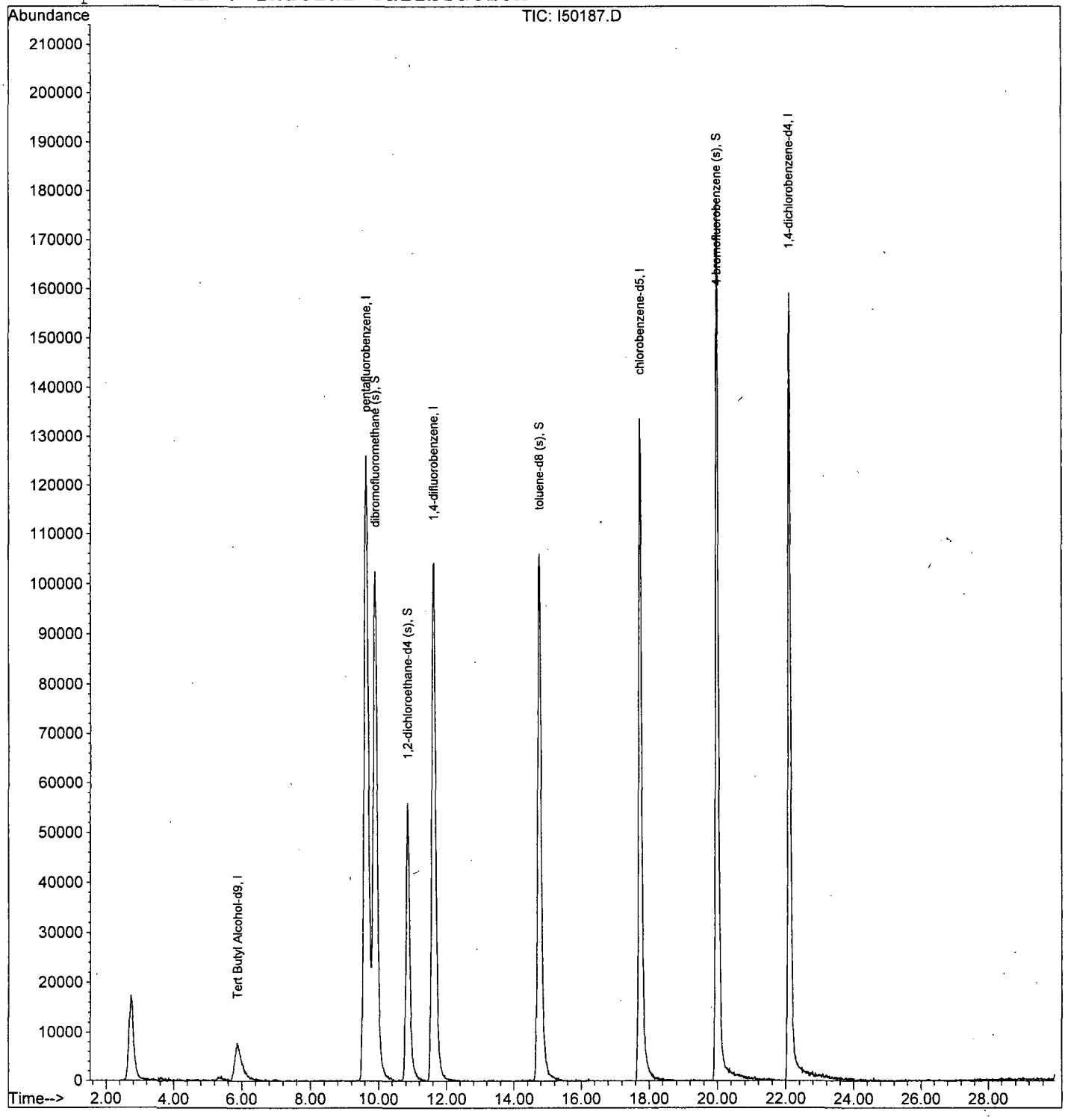
SYQ 1/7

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50187.D Vial: 14
Acq On : 30 Dec 2001 5:17 am Operator: RUIFENGY
Sample : N4945-3 Inst : MSI
Misc : MS58673,VI2010,4.6,,100,5,1 Multiplr: 56.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 13:03 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50187.D Vial: 14
Acq On : 30 Dec 2001 5:17 am Operator: RUIFENGY
Sample : N4945-3 Inst : MSI
Misc : MS58673,VI2010,4.6,,100,5,1 Multiplr: 56.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.724	125	143	171	rBV2	17353	169140	15.31%	2.333%
2	3.619	244	249	256	rBV2	650	2082	0.19%	0.029%
3	3.763	263	266	274	rVB	566	1276	0.12%	0.018%
4	5.317	443	450	452	rBV	848	2319	0.21%	0.032%
5	5.410	458	461	465	rVB	741	1035	0.09%	0.014%
6	5.596	478	483	487	rVB	579	1110	0.10%	0.015%
7	5.866	492	515	552	rBV4	7851	109659	9.93%	1.513%
8	6.196	552	554	560	rVB2	674	1538	0.14%	0.021%
9	9.625	939	960	978	rBV	126105	1104523	100.00%	15.237%
10	9.887	978	991	1036	rVB3	101746	889237	80.51%	12.267%
11	10.386	1043	1050	1054	rVB3	722	2679	0.24%	0.037%
12	10.850	1083	1105	1137	rBV2	55800	431616	39.08%	5.954%
13	11.129	1137	1138	1144	rVV	1588	3146	0.28%	0.043%
14	11.213	1144	1148	1151	rVV	763	1823	0.17%	0.025%
15	11.264	1151	1154	1160	rVB	514	1313	0.12%	0.018%
16	11.627	1175	1197	1244	rBV2	104183	851984	77.14%	11.753%
17	14.753	1548	1567	1599	rBV4	105971	816307	73.91%	11.261%
18	15.040	1599	1601	1611	rVB2	1234	3274	0.30%	0.045%
19	15.277	1627	1629	1633	rVB2	640	1207	0.11%	0.017%
20	15.319	1633	1634	1641	rBB	629	1193	0.11%	0.016%
21	17.726	1904	1919	1960	rBV2	133586	870056	78.77%	12.003%
22	18.132	1965	1967	1970	rVB2	923	1314	0.12%	0.018%
23	18.385	1992	1997	1999	rBB	537	1053	0.10%	0.015%
24	18.419	2000	2001	2009	rBV	521	1157	0.10%	0.016%
25	19.982	2172	2186	2221	rBV2	178394	1043008	94.43%	14.388%
26	20.911	2294	2296	2301	rBV3	610	1484	0.13%	0.020%
27	21.004	2305	2307	2311	rVV2	608	1227	0.11%	0.017%
28	21.097	2311	2318	2322	rVB4	854	2678	0.24%	0.037%

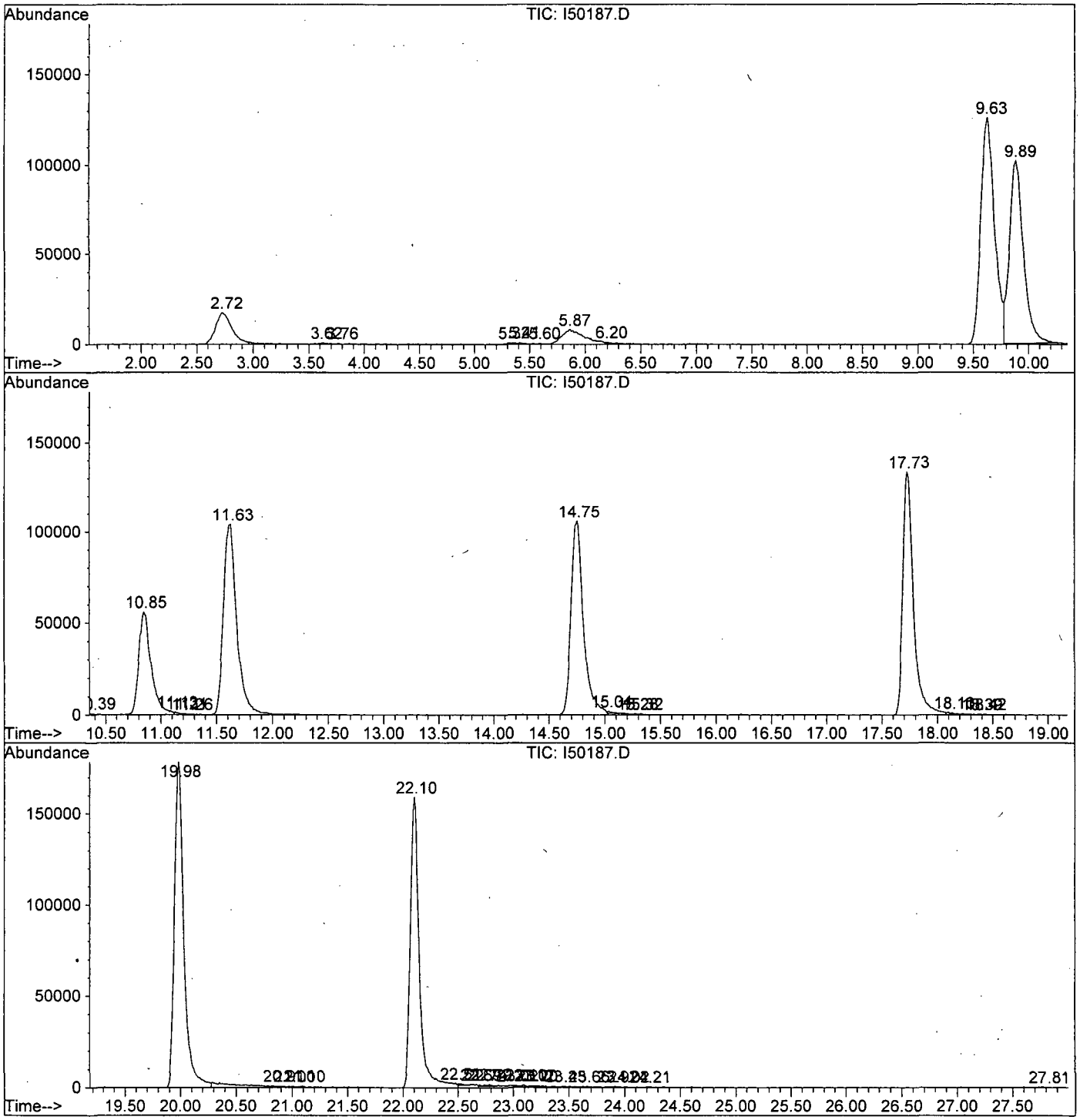
29	22.102	2423	2437	2484	rBV2	159085	909393	82.33%	12.545%
30	22.507	2484	2485	2495	rVB3	798	2842	0.26%	0.039%
31	22.693	2506	2507	2511	rBV	748	1104	0.10%	0.015%
32	22.744	2511	2513	2517	rVV3	791	1681	0.15%	0.023%
33	22.786	2517	2518	2524	rVB3	1095	1709	0.15%	0.024%
34	23.023	2543	2546	2550	rVB2	574	1238	0.11%	0.017%
35	23.099	2550	2555	2558	rVB2	937	2219	0.20%	0.031%
36	23.175	2558	2564	2565	rBV3	669	1431	0.13%	0.020%
37	23.200	2565	2567	2573	rVB3	586	1393	0.13%	0.019%
38	23.454	2594	2597	2600	rVB	561	1015	0.09%	0.014%
39	23.665	2619	2622	2627	rBV2	619	1611	0.15%	0.022%
40	23.918	2648	2652	2656	rBV	636	1672	0.15%	0.023%
41	24.020	2659	2664	2667	rBB	556	1027	0.09%	0.014%
42	24.214	2684	2687	2693	rBB	516	1168	0.11%	0.016%
43	27.812	3110	3113	3118	rVB2	363	1005	0.09%	0.014%

Sum of corrected areas: 7248946

I50187.D MI1986.M Mon Jan 07 12:51:29 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50187.D
Operator : RUIFENGY
Acquired : 30 Dec 2001 5:17 am using AcqMethod MI1986
Instrument : MSI
Sample Name: N4945-3
Misc Info : MS58673,VI2010,4.6,,100,5,1
Vial Number: 14
Quant File :MI1986.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50187.D
Acq On : 30 Dec 2001 5:17 am
Sample : N4945-3
Misc : MS58673,VI2010,4.6,,100,5,1
MS Integration Params: LSCINT.P

Vial: 14
Operator: RUIFENGY
Inst : MSI
Multiplr: 56.00

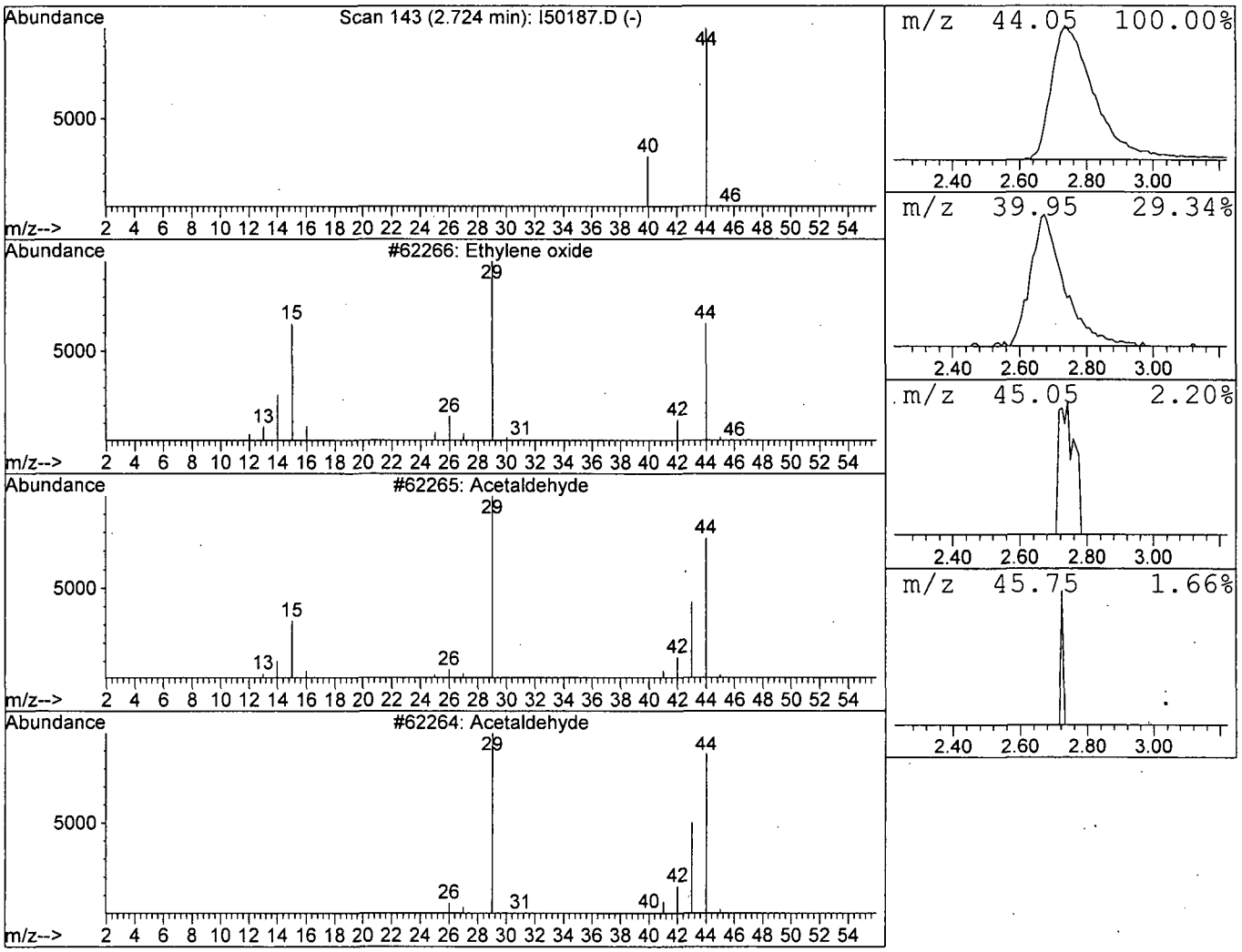
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Library : C:\DATABASE\NBS75K.L

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Peak Number 1 Ethylene oxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.72	428.78 PPb	169140	pentafluorobenzene	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	3
2	Acetaldehyde	44	C2H4O	000075-07-0	3
3	Acetaldehyde	44	C2H4O	000075-07-0	3
4	Carbon dioxide	44	CO2	000124-38-9	3



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\I50177.D Vial: 4
Acq On : 29 Dec 2001 10:44 pm Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58670,VI2010,5.0,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 12:40 2002 Quant Results File: MI1986.RES

Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration
DataAcq Meth : MI1986

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.85	65	54499	500.00	PPb	-0.02
3) pentafluorobenzene	9.62	168	338587	50.00	PPb	-0.04
44) 1,4-difluorobenzene	11.61	114	293567	50.00	PPb	-0.05
72) chlorobenzene-d5	17.72	117	230033	50.00	PPb	-0.04
88) 1,4-dichlorobenzene-d4	22.10	152	129029	50.00	PPb	-0.03
System Monitoring Compounds						
42) dibromofluoromethane (s)	9.88	113	232500	48.15	PPb	-0.03
Spiked Amount 50.000			Recovery = 96.30%			
43) 1,2-dichloroethane-d4 (s)	10.85	65	181710	51.46	PPb	-0.03
Spiked Amount 50.000			Recovery = 102.92%			
66) toluene-d8 (s)	14.75	98	265777	49.96	PPb	-0.03
Spiked Amount 50.000			Recovery = 99.92%			
89) 4-bromofluorobenzene (s)	19.98	174	148885	54.80	PPb	-0.03
Spiked Amount 50.000			Recovery = 109.60%			

Target Compounds Qvalue

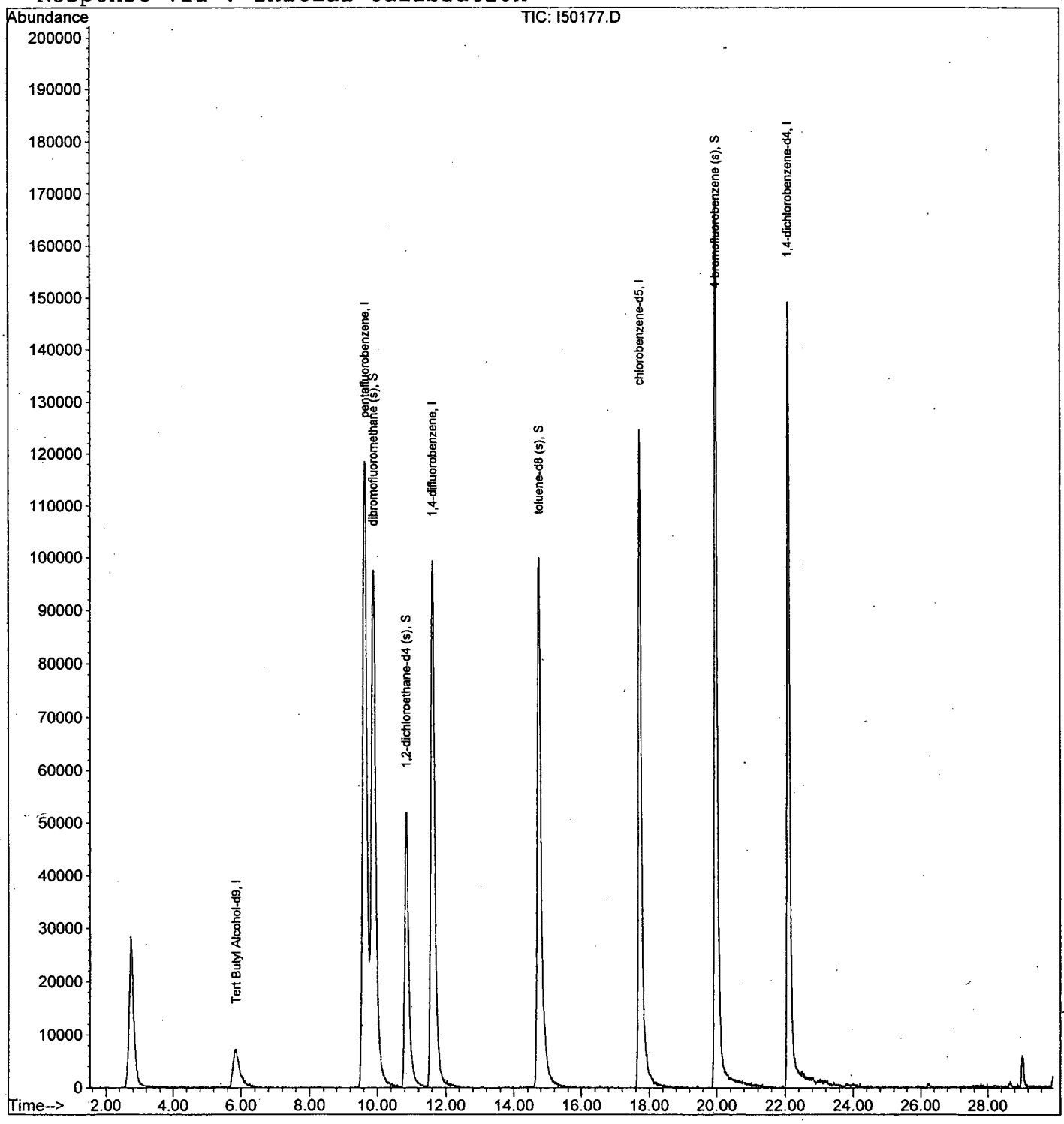
1/7

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\I50177.D Vial: 4
Acq On : 29 Dec 2001 10:44 pm Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58670,VI2010,5.0,,100,5,1 Multiplr: 50.00
MS Integration Params: RTEIN2.P
Quant Time: Jan 1 12:40 2002 Quant Results File: MI1986.RES

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Dec 10 16:29:00 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\I50177.D Vial: 4
Acq On : 29 Dec 2001 10:44 pm Operator: RUIFENGY
Sample : MB1 Inst : MSI
Misc : MS58670,VI2010,5.0,,100,5,1 Multiplr: 50.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 1000 Area counts
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0.05 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	2.733	125	144	201	rBV2	28543	269828	25.90%	3.810%
2	5.834	490	511	537	rBV4	7329	90446	8.68%	1.277%
3	6.112	542	544	554	rVB	981	3038	0.29%	0.043%
4	9.626	938	960	977	rBV2	118436	1041747	100.00%	14.708%
5	9.880	978	990	1040	rVV2	97420	890235	85.46%	12.569%
6	10.311	1040	1041	1050	rVB2	877	3045	0.29%	0.043%
7	10.429	1050	1055	1057	rBV2	629	1334	0.13%	0.019%
8	10.843	1089	1104	1154	rBV2	51945	422628	40.57%	5.967%
9	11.611	1178	1195	1234	rBV3	99294	817170	78.44%	11.537%
10	11.966	1234	1237	1241	rVB	879	1447	0.14%	0.020%
11	12.220	1263	1267	1271	rVB2	433	1039	0.10%	0.015%
12	12.279	1271	1274	1278	rVB2	511	1026	0.10%	0.014%
13	14.754	1545	1567	1615	rBV3	99874	818391	78.56%	11.555%
14	15.261	1626	1627	1632	rVB2	681	1407	0.14%	0.020%
15	17.727	1903	1919	1965	rBV2	124589	836158	80.26%	11.805%
16	19.983	2169	2186	2215	rBV2	168597	992077	95.23%	14.007%
17	20.456	2240	2242	2248	rVB4	439	1005	0.10%	0.014%
18	20.760	2276	2278	2282	rBV2	641	1032	0.10%	0.015%
19	21.013	2303	2308	2310	rVB3	809	1678	0.16%	0.024%
20	22.095	2423	2436	2477	rBV2	149257	867831	83.31%	12.253%
21	22.500	2483	2484	2490	rVB6	1263	2420	0.23%	0.034%
22	22.813	2518	2521	2526	rVB3	817	1823	0.17%	0.026%
23	22.863	2526	2527	2532	rVB2	698	1208	0.12%	0.017%
24	22.956	2532	2538	2540	rBV3	767	1572	0.15%	0.022%
25	23.041	2546	2548	2551	rBV2	698	1051	0.10%	0.015%
26	23.252	2572	2573	2580	rVB	840	1602	0.15%	0.023%
27	23.446	2588	2596	2601	rVB	804	2180	0.21%	0.031%
28	23.564	2607	2610	2616	rVB2	471	1195	0.11%	0.017%

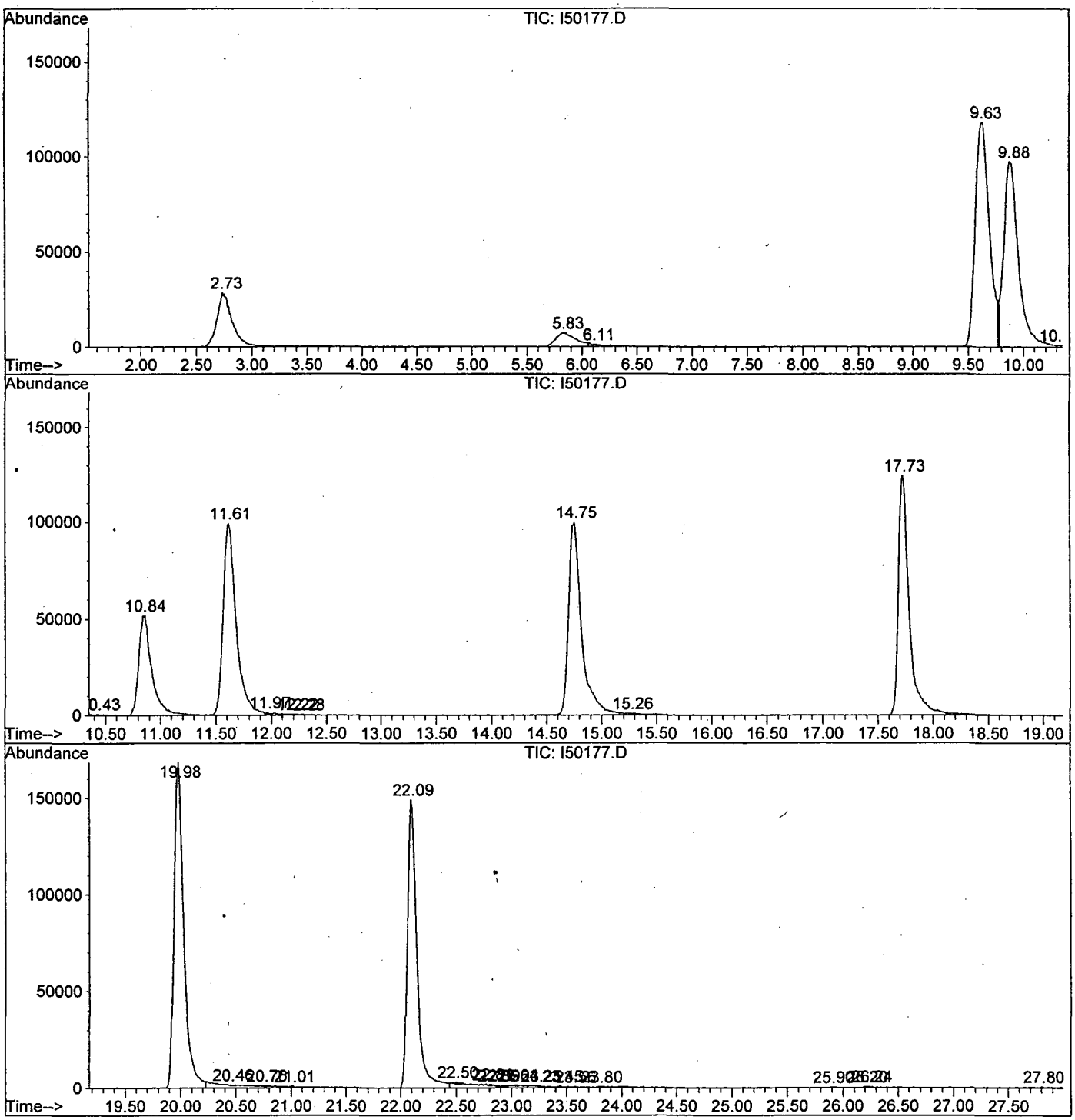
29	23.801	2634	2638	2639	rBV2	729	1176	0.11%	0.017%
30	25.896	2883	2886	2895	rBB2	412	1220	0.12%	0.017%
31	26.200	2918	2922	2924	rBV	755	1192	0.11%	0.017%
32	26.242	2924	2927	2932	rVB	845	1790	0.17%	0.025%
33	27.805	3105	3112	3117	rBB	842	1850	0.18%	0.026%

Sum of corrected areas: 7082841

I50177.D MI1986.M Mon Jan 07 12:42:35 2002 GCMS1

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\I50177.D
Operator : RUIFENGY
Acquired : 29 Dec 2001 10:44 pm using AcqMethod MI1986
Instrument : MSI
Sample Name: MB1
Misc Info : MS58670,VI2010,5.0,,100,5,1
Vial Number: 4
Quant File :MI1986.RES (RTE Integrator)



I50177.D MI1986.M Mon Jan 07 12:42:41 2002 GCMS1

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\I50177.D
Acq On : 29 Dec 2001 10:44 pm
Sample : MB1
Misc : MS58670,VI2010,5.0,,100,5,1
MS Integration Params: LSCINT.P

Vial: 4
Operator: RUIFENGY
Inst : MSI
Multiplr: 50.00

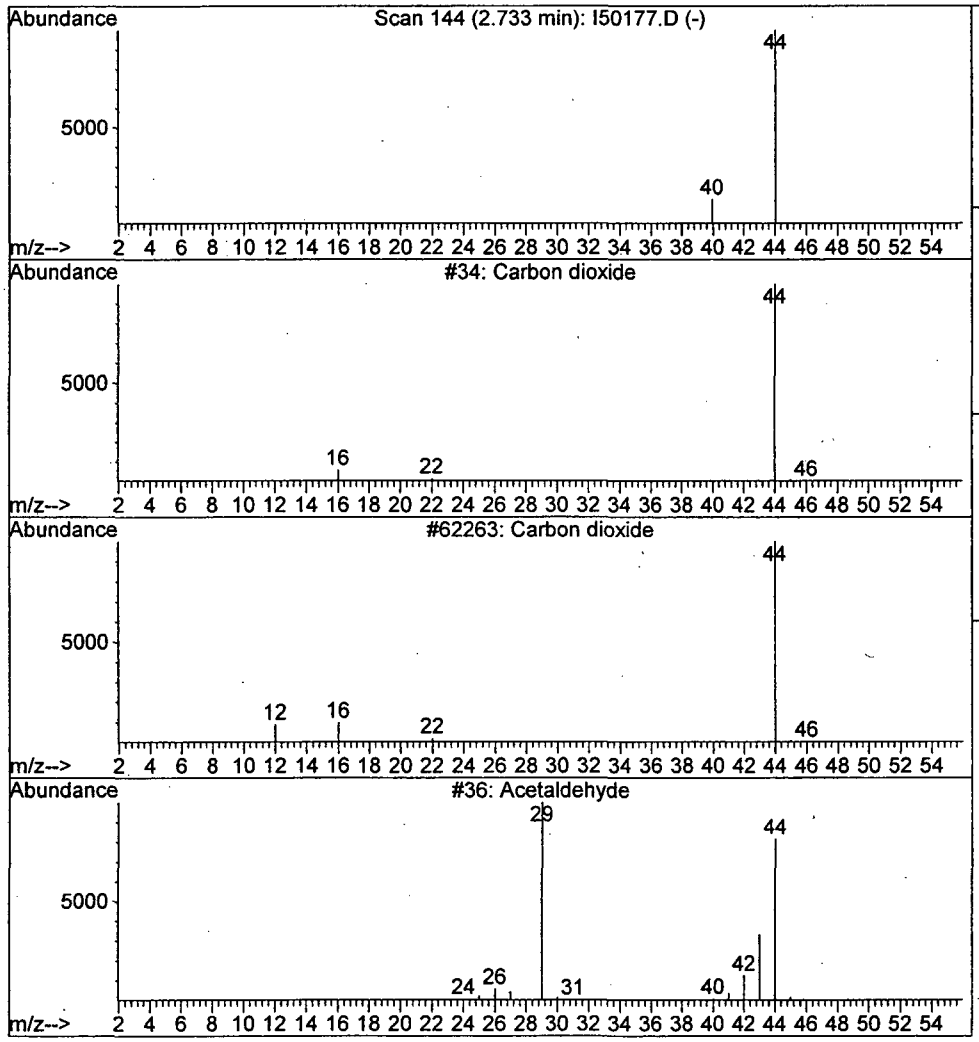
Quant Method : C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title : SW-846 Method 8260 .
Library : C:\DATABASE\NBS75K.L

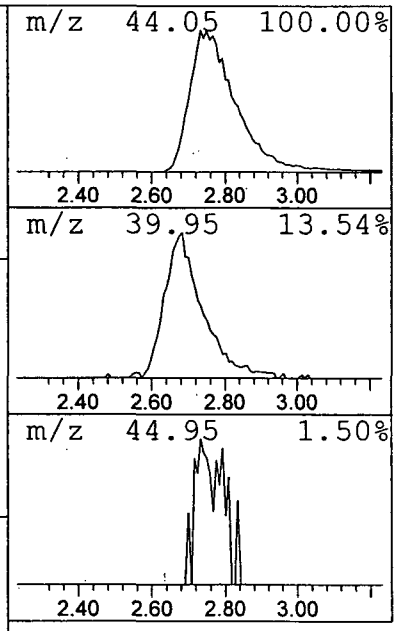
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Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	647.54 PPb	269828	pentafluorobenzene	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	3
2	Carbon dioxide	44	CO2	000124-38-9	3
3	Acetaldehyde	44	C2H4O	000075-07-0	3
4	Nitrous Oxide	44	N2O	010024-97-2	3





Tentatively Identified Compound (LSC) summary

Operator ID: RUIFENGY Date Acquired: 29 Dec 2001 10:44 pm
Data File: C:\HPCHEM\1\DATA\I50177.D
Name: MB1
Misc: MS58670,VI2010,5.0,,100,5,1
Method: C:\HPCHEM\1\METHODS\MI1986.M (RTE Integrator)
Title: SW-846 Method 8260
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	2.73	647.5	PPb	269828	ISTD02	9.62	1041750	50.0

I50177.D MI1986.M Mon Jan 07 12:42:46 2002 GCMS1

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI 2009 / VI2010

Date: 12/29/01

Analyst Signature: RT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-4463	Surr/Int	25 PPM
MV-4432	Std A	100 PPM
MV-4428	B	↓
MV-4458	C	
MV-4443	D	

Columns: RTX 502.2
Method 8260
Seq. File: 1228.S
Initial Cal.: VI 1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MTX	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L+	IS	SU	Status (Data)	Comments	Ini
	I 50166	N5179-1	BTX 58961			37	100/5ml	~	500	50				RR	(over VI2009)	
	50167	N4873-1	TPLH10 55639			38	3.9/5ml		1					RR	May Carry over	
	50168	N4833-9	TCL+ 58943		2	39	9.9									
	50169	-2R	↓		2	40	11.2									
	50170	N4946-1	TCL+10 M-T 58650			41	4.8/5							RR	May Carry over	
	50171	-2				42	5.3/5									
	50172	-3				43	5.6/5									
	50173	-4	↓			44	4.3/5							↓		
	50174	BFB	MS 58632			1								OK	(new VI2010 Analyzed)	
	50175	CC1986-50	TCL+10 M-T			2										
	50176	CC				3								not using		
	50177	MB1				4				50				OK		
	50178	~~N4873 BS~~				5				50				OK		
	50179	N4874-1	TCL+10+M+T 58632			6	4.9/5	80.7	1	60.7				OK		
	50180	N4874-2				7	4.7/5	82.2	1	64.7				OK		
	50181	N4874-3				8	5.4/5	81.8	1	56.6				OK		
	50182	N4874-4				9	5.1/5	80.7	1	60.7				OK		
	50183	N4874-5	↓			10	5.2/5	82	1	58.6				OK		
	50184	N5010-1	58721 PPL+10	FB		11	/		1	125				OK		
	50185	N4945-1	58673 PPL+10			12	4.7/5	84.4	1	63.0				OK		
	50186	N4945-2	↓			13	4.5/5	98.5	1	56.4				OK		
	50187	N4945-3	↓			14	4.6/5	97.1	1	56.0				OK		
	50188	N4907-2R	58944 PPL+			15	8/25	85.7	1	182				OK		
	50189	N5167-7MS	58905 PPL+10			16	10.7/25	90.1	1	127				OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Multiplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
Sample Amount = Volume (ML) or Weight (g)

PAT

Form: OR001-02
Rev. Date: 4/19/2001

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VI 2010 / VI 2011

Date: 12/28/01 **Analyst Signature:** RT/

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
MV-44-63	Surr / Int	25ppm
MV-44-32	Std A	100ppm
MV-44-28	Std B	100 ppm
MV-44-67	Std C	100ppm
MV-44-49	Std D	100 ppm

Columns: RTX 502.2
Method 8260
Seq. File: 1228.S
Initial Cal.: VI1986
Date Archived:

QC Review:

R	Data File	Sample ID	Test	MT X	vial #	ALS #	Samp. Amt	% Solid	Dil	Multiplier	L +	IS	SU	Status (Data)	Comments	Ini
	>I50190	H5167-7MSD	5-8 Pos Pplus			17	(5/5ml) 10.7/5	92.1	1	127		√	√	OK	VI 2010	
	50191	H5167-7				18	↓	↓	1	↓		√	√	OK		
	50192	H5167 ~~H5166~~ -8	IC			19	11.4/25	86.2	1	127		√	√	OK		
	50193	BFB				20						√	√	OK		
	50194	CC1986-50 ~~H5214-1~~	5 8831 TCL Mon			21	~~5/5~~					√	√	OK		
	50195	CL ~~H5214-2~~	IC			22	~~5/5~~							not using		
	50196	MB2 ~~H5214-3~~	IC	12/28/01		23	~~4.5/5~~			50		√	√	OK		
	50197	H5214-4				24	4.3/5	77.6	1	74.9		√	√	OK		
	50198	H5214-5				25	4.9/5	84.7	1	62.2		√	√	OK		
	50199	H5214-6				26	4.5/5	79.9	1	69.5		√	√	OK		
	50200	H5214-7				27	4.5/5	86.8	1	64		√	√	OK		
	50201	H5214-8				28	4.1/5	81.9	1	74.5		√	√	OK		
	50202	CL	↓			29								not using		
	50203	MB1	5 8875 PPL+10			30				50		√	√	OK	VI 2011	
	50204	BS				31				50		√	√	OK		
	50205	H5213-1	PPL+10 58875			32	5.1/5	93	1	52.7		√	√	OK		
	50206	H5213-2				33	5.1/5	92.7	1	52.9		√	√	OK		
	50207	H5213-3				34	5.7/5	91.1	1	48.1		√	√	OK		
	50208	H5213-4				35	6.2/5	89.9	1	44.9		√	√	OK		
	50209	H5213-5	↓			36	5.4/5	91.6	1	50.5		√	√	OK		
	50210	H5167-9	5 8 Pos Pplus			37	9.5/25	76	1	173		√	√	OK		
	50211	H5167-10	↓			38	19.9/25	86.9	1	145		√	√	OK		
	50212	BFB				1								OK	21:38 PM	
	50213	CC1986-50				2						√	√	OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Multiplier = (Purge Volume)/(Sample Vo. (WT) x (% Solids)
Sample Amount = Volume (ML) or Weight (g)

ORT