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DATA USABILTY SUMMARY REPORT (DUSR) OF THE PORT IVORY SITE

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ORGANIC AND INORGANIC ANALY IN AQUEOUS AND NON-AQUEOUS SAI

> VERITECH LABORATORIES FAIRFIELD, NEW JERSEY

> > REPORT NUMBERS:

12041615

August, 2003

Prepared for The Port Authority of NY & NJ Jersey City, New Jersey

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

#### **NYS DEC Data Usability Summary Report**

DATA VALIDATION FOR: Volatile Organic Analyses, Base Neutral Semivolatile Organic

Analyses, Pesticide Analyses and PCB Analyses

SITE: HH-Port Ivory Site

CONTRACT LAB: Hampton-Clarke, Inc. Veritech Laboratories

Fairfield, New Jersey

REVIEWER: Renee Cohen

DATE REVIEW COMPLETED: August, 2003

MATRIX: Aqueous and Non-Aqueous

The data validation was performed according to the guidelines in the described in the New York State Department of Environmental Conservation, Division of Environmental Remediation, Guidance for the Development of Data Usability Summary Reports (DUSR). In addition the data was been reviewed using the protocol specified in the NYS Analytical Services Protocol ('95).

All data are considered valid and acceptable except those analytes which have been rejected "R" (unreliable/unusable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

This data assessment is for a total of thirty-eight (38) soil and six (6) Field Blank samples that were collected December 1, 2000 and December 2, 2000. All of the samples were shipped to Veritech Laboratories located in Fairfield, New Jersey. The samples were received at the laboratory on December 4, 2000. The samples were analyzed for the parameters marked on the Chain of custody documents that accompanied the samples to the laboratory.

A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report. A list of definitions that may be used in this report is located in Appendix A. Copies of qualified data result pages are located in Appendix B of this report and a copy of Chain of Custody (COC) documentation associated with sampling event is located in Appendix C.

#### 1. OVERVIEW:

The samples were submitted to the laboratory for the analyses requested on the Chain of Custody (COC) documentation. The samples were analyzed for the organic analytes using EPA Test Methods for the Evaluation of Solid Waste (SW 846), Method 8260/8270/8081/8082. Proper custody transfer of the samples was documented in the laboratory report. The laboratory provided a deliverables package similar to that of a New Jersey Reduced Deliverable for Non-CLP parameters.

Samples Collected 12/1/00 and 12/2/00, Received 12/4/00 – Thirty-eight (38) soil and six (6) Field Blank samples were collected on December 1, 2000 and December 2, 2000 and delivered to the Veritech Laboratories in Fairfield, NJ on December 4, 2000. The samples were reported in laboratory report 12041615. The samples were analyzed for the parameters listed on the COC documents. New Jersey Reduced Deliverables were requested on the COC documents.

#### 2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Preserved volatile organic analyses are required to be analyzed within 10 days of validated time of sample receipt (VTSR) in accordance with the NYSDEC ASP, Rev '95. The technical holding time for properly preserved aqueous and non-aqueous samples is 14 days from collection. Base Neutral Semivolatile Organic Analyses are to be prepared/extracted within five (5) days of validated time of sample receipt (VTSR) in accordance with the NYSDEC ASP, Rev '95. The technical holding time for properly samples is to prepare the aqueous samples within 7 days of collection and the soil samples within fourteen days of collection.

#### Volatile Organic Analyses

Samples Received 12/4/00 - All of the field samples and QC samples associated with this data set were analyzed within the ten (10) days of VTSR.

#### Base Neutral Semivolatile Organic Analyses

Samples Received 12/4/00 – The soil samples in this data set were collected on Dec 1, 2000 and December 2, 2000 and received December 4, 2000. Three (3) extraction batches are associated with this data set. Most of the samples were extracted in one (1) batch on December 8, 2000. The remainder of the soil samples were extracted on December 9, 2000. Samples PG-L-01-120100S002 and PG-H/R-01-120200S002 were extracted December 11, 2000. These samples were designated with the suffix (R), however this (R) was not defined in the data report. It is assumed that these samples were re-extracted beyond the method holding time due to QC outliers in the initial extraction/analysis. The initial data was not provided for review in the report. The data results associated with these samples have been qualified "UJ/J" estimated based on the holding time accedences.

Oualified data result pages are located in Appendix B of this report.

#### 2. HOLDING TIME (cont'd)

#### Pesticide Analyses

Samples Received 12/4/00 – The aqueous samples in this data set were collected on November 21, 2000 and received November 22, 2000. The samples were extracted on November 30, 2000. This is three (3) days beyond the NYS DEC ASP holding time for extraction. The samples were prepared within the method holding time, therefore, no action was taken based on this outlier.

#### Polychlorinated Biphenyl's (PCB's) Analyses

Samples Received 12/4/00 – The aqueous samples in this data set were collected on November 21, 2000 and received November 22, 2000. The samples were extracted on November 30, 2000. This is three (3) days beyond the NYS DEC ASP holding time for extraction. The samples were prepared within the method holding time, therefore, no action was taken based on this outlier.

#### 3. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate the overall laboratory performance and the efficiency of the analytical technique. If the measured surrogate concentrations are outside the QC limits, qualifiers were applied to the effected samples.

#### Volatile Organic Analyses

Samples Received 12/4/00 – Surrogate recovery limits were not cited on the final data result pages or in the data report. Surrogate recoveries were reported on the quantitation reports for each sample. The surrogate recoveries were reviewed, however no limits were cited for comparison. The case narrative in the data report noted that the surrogate recoveries exceeded QC criteria in samples PG-D-01-120100S004 and PG-FB-2-120100WQ01. Based on these comments the target analytes associated with these samples have been qualified "UJ/J" estimated.

Qualified data result pages are located in Appendix B of this report.

#### Base Neutral Semivolatile Organic Analyses

Samples Received 12/4/00 – Surrogate recovery limits were not cited on the data result pages or in the data report. Surrogate recoveries were reported on the quantitation reports for each sample. The surrogate recoveries were reviewed, however no limits were cited for comparison. The case narrative noted that the surrogate recoveries in sample PG-D-01-120100S001 exceeded in the initial analysis of this sample. The sample was reanalyzed and reported from a 1:5 dilution. The case narrative did not note that the surrogates exceeded QC criteria in the dilution analysis that was reported in the data package.

<u>Pesticide Analyses</u> – Each sample was spiked with the surrogate compounds TCMX and DCB. Surrogate recovery in Pesticides is advisory, therefore, no action was taken based on surrogate recovery.

Samples Received 12/4/00 – Surrogate recovery limits were not cited on the data result pages or in the data report. Surrogate recoveries were reported on the quantitation reports for each sample. The surrogate recoveries were reviewed, however no limits were cited for comparison.

#### 3. SURROGATES (cont'd):

<u>PCB Analyses</u> - Each sample was spiked with the surrogate compounds TCMX and DCB. Surrogate recoveries were not summarized in the data report. Surrogate recovery in Pesticides is advisory, therefore, no action was taken based on surrogate recovery.

Samples Received 12/4/00 – Surrogate recovery limits were not cited on the data result pages or in the data report. Surrogate recoveries were reported on the quantitation reports for each sample. The surrogate recoveries were reviewed, however no limits were cited for comparison.

#### 4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the in-house generated recovery criteria and RPD (precision) data for reporting purposes.

#### Volatile Organic Analyses

Samples Received December 4, 2000 - Matrix spike/spike duplicate data was not summarized in this data report.

#### Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 - Matrix spike/spike duplicate data was not summarized in this data report.

#### Pesticide Analyses

Samples Received December 4, 2000 - Matrix spike/spike duplicate data was not summarized in this data report.

#### Polychlorinated Biphenyl Analyses

Samples Received December 4, 2000 - Matrix spike/spike duplicate data was not summarized in this data report.

#### 5. BLANK SPIKE ANALYSIS:

The NY ASP protocol requires that a blank spike analysis be performed with each sample batch. The blank spike analysis is used to insure that the analytical system is in control. The laboratory applied in-house recovery limits for each analyte.

#### Volatile Organic Analytes

Samples Received December 4, 2000 - Blank Spike data was not summarized in this data report.

#### Base Neutral Semivolatile Organic Analytes

Samples Received December 4, 2000 - Blank spike data was not summarized in this data report.

#### Pesticide Analyses

Samples Received December 4, 2000 - Blank spike data was not summarized in this data report.

#### Polychlorinated Biphenyl Analyses

Samples Received December 4, 2000 - Blank spike data was not summarized in this data report.

#### 6. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Samples are then qualified based on blank contamination when detected.

#### A) Method Blank contamination

#### Volatile Organic Analyses

Samples Received December 4, 2000 – Two (2) aqueous and five (5) soil method blanks are associated with this data set. The aqueous method blanks were free from contamination of all target analytes. The soil method blanks all contained low levels of Methylene Chloride (0.0011 J mg/kg through 0.0048 J mg/kg). Below is a summary of the method blank and associated contamination level:

Method Blank ID	Analyte Conc. (mg/kg)	Total TIC Conc. (mg/kg)
	Methylene Chloride	
ET74700	0.000C T	0.049
FT4709	0.0026 J	0.048
FT4740	0.0019 J	0.039
FT4754	0.0048 J	0.027
FT4781	0.0011 J	0.070
FT4811	0.0013 J	0.043

When the target analyte, Methylene Chloride and the unknown TIC analytes were detected in associated field samples, they have been negated in accordance with the validation guidelines. Methylene Chloride was detected and negated in all of the soil samples in the sample set.

Qualified data result pages are located in Appendix B of this report.

#### 6. BLANK CONTAMINATION (cont'd)

#### Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 – Based on the data provided for review, three (3) soil method blanks are associated with this data set. The first extraction batch was prepared on December 8, 2000. This soil blank was analyzed on the two instruments that the sample extracts were analyzed on. The method blank analyzed 12/8/00 and analyzed on Instrument "S" contained Bis 2-ethylhexylphthalate (0.055 J mg/kg). This method blank was analyzed on 12/10/00 on Instrument "U". It contained both Bis 2-ethylhexylphthalate (0.071 J mg/kg) and Di-noctylphthalate (0.043 J mg/kg).

The laboratory did not apply the "B" qualifier to the samples analyzed on Instrument "U" for the contaminant Dinoctylphthalate and the associated TIC analytes. Based on the data provided in this report, this data validator has negated the analyte Di-n-octylphthalate and the associated TIC analytes in these samples. This effected the following samples:

PG-G-060120100S003

PG-G-06-120100S004

PG-G-5A-120100S003

PG-FS-7-120100S002

PG-D-01-120100S004

PG-D-01-120100S010

PG-D-03-120100S001

PG-RR-08-120100S002

PG-RR-08-120100S004

PG-UST2-3-120100S007

PG-FILL10-120100S004

PG-FILL25-120100S001

PG-FILL25-120100S003

PG-FILL25-120100S006

An additional extraction batch was prepared on December 9, 2000. This method blank was analyzed on 12/11/00 on Instrument "S". It contained Bis 2-ethylhexylphthalate (0.066 J mg/kg), Di-n-octylphthalate (0.048 J mg/kg) and Di-n-butylphthalate (0.050 J mg/kg).

The final extraction batch was prepared on December 11, 2000. This method blank was analyzed on 12/11/00 on Instrument "U". It contained Bis 2-ethylhexylphthalate (0.066 J mg/kg), Di-n-octylphthalate (0.059 J mg/kg) and Di-n-butylphthalate (0.059 J mg/kg).

Each of these contaminants/analytes are common laboratory contaminants. When these analytes were detected in associated field samples, they have been negated in accordance with the validation guidelines. All of the soil samples in this data set have been qualified for laboratory contamination.

Qualified data result pages are located in Appendix B of this report.

#### 6. BLANK CONTAMINATION (cont'd)

#### Pesticide Analyses

Samples Received December 4, 2000 – The method blank associated with this data set was free from contamination of target analytes.

#### Polychlorinated Biphenyl Analyses

Samples Received December 4, 2000 – The method blank associated with this data set was free from contamination of target analytes.

#### B) Field Blank contamination

#### Volatile Organic Analyses

Sample Received 12/4/00 – Six (6) Field Blank samples are associated with this data set. All were free from contamination of target analytes with the exception of sample PG-FB-1-120200WQ0. This Field Blank contained Methylene Chloride at a concentration of 1.2 J ug/l. When detected in the samples associated with the 12/2/00 sampling event this analyte has been negated and qualified as required in the validation guidelines.

#### Base Neutral Semivolatile Organic Analyses

Sample Received December 4, 2000 – The Field Blank samples were not analyzed for this parameter.

#### Pesticide Analyses

Sample Received December 4, 2000 – The Field Blank samples were not analyzed for this parameter.

#### Polychlorinated Biphenyl Analyses

Sample Received December 4, 2000 – The Field Blank samples were not analyzed for this parameter.

#### C) Trip Blank contamination

#### Volatile Organic Analyses

Sample Received December 4, 2000 - A Trip Blank was not submitted with this data set.

#### 7. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. USEPA data validation criteria is the same for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses, therefore, all text discussion is for VOA and SVOA samples analyses.

#### A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. USEPA data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). USEPA data validation criteria states that if the minimum RRF criteria is not met in an initial calibration the positive results are qualified "J". Non detect results in the initial calibration with a RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, effected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria is set for these analytes. If the minimum criteria is not met, analyses must stop and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the EPA Method and the USEPA criteria.

#### Volatile Organic Analyses

Samples Received December 4, 2000 – Initial and Continuing calibration data was not submitted with this sample set. Data was not reviewed/qualified based on calibration data.

Samples Received November 30, 2000 – Initial and Continuing calibration data was not submitted with this sample set. Data was not reviewed/qualified based on calibration data.

#### Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 – Initial and Continuing calibration data was not submitted with this sample set. Data was not reviewed/qualified based on calibration data.

#### 7. GC/MS CALIBRATION (cont'd)

#### B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 30%. The %D must be <25% in the continuing calibration standard. This criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgement. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unuseable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines.

#### Volatile Organic Analyses

Samples Received December 4, 2000 – Initial and Continuing calibration data was not submitted with this sample set. Data was not reviewed/qualified based on calibration data.

#### Base Neutral Semivolatile Organic Analyses -

Samples Received December 4, 2000 – Initial and Continuing calibration data was not submitted with this sample set. Data was not reviewed/qualified based on calibration data.

#### 8. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). The tuning compound for semivolatile organic analyses is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

#### Volatile Organic Analyses/Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 – BFB and DFTPP Tune criteria was not submitted with this sample set. Data was not reviewed/qualified based on Tune data.

#### 9. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50%to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria is applied to all field and QC samples.

#### Volatile Organic Analyses

Samples Received December 4, 2000 – Internal Standard area counts and retention time data was not submitted with this sample set. Data was not reviewed/qualified based on this data.

#### Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 – Internal Standard area counts and retention time data was not submitted with this sample set. Data was not reviewed/qualified based on this data. Internal Standard area counts and Retention Time Windows were reported on the quantitation reports for each sample. The case narrative in the data report noted that the Internal Standard area counts exceeded QC criteria in samples PG-G-06-120100S003, PG-D-01-120100S001, PG-UST2-3-120100S05B and PG-D-04-120200S001. The samples were reanalyzed and the QC criteria were exceeded in the reanalysis as stated in the case narrative associated with this data report. The laboratory did not summarize which Internal Standards exceeded QC criteria as required by the deliverable. Based on the information provided for review, this validator was not able to add data qualifiers to the associated target analytes or discuss bias based on the area counts reported.

#### 10. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within  $\pm$  0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound.

Target compounds are identified on the GC by using the analytes retention time. Concentration is quantitated from the initial calibration curve.

#### Volatile Organic Analyses

Samples Received December 4, 2000 – Samples were analyzed via EPA Method 8260. Tentatively Identified Compounds (TIC's) were reported with this data set. The laboratory did not provide analyte spectra or TIC scans for review with this data report. All sample results were reported to the MDL/PQL when dilution was not performed. Sample results were reported on a dry weight basis. Data was reported in accordance with the cited method.

Sample PG-D-01-120100S004 was analyzed at a five (5) time dilution due to the matrix interference exhibited in the sample chromatogram as well late eluting TIC analytes reported on the laboratory Form I's.

Sample PG-UST2-3-120100S05B was analyzed at a five (5) time dilution due to the matrix interference exhibited in the sample chromatogram as well late eluting TIC analytes reported on the laboratory Form I's.

Sample PG-UST2-3-120100S007 was analyzed without dilution, however matrix interference was exhibited in the sample chromatogram.

Sample PG-RR10-120200S005 was analyzed without dilution, however matrix interference was exhibited in the sample chromatogram.

#### 10. COMPOUND IDENTIFICATION (cont'd):

#### Base Neutral Semivolatile Organic Analyses

Samples Received December 4, 2000 – Samples were analyzed via EPA Method 8270. Tentatively Identified Compounds (TIC's) were reported with this data set. The laboratory did not provide analyte spectra or TIC scans for review with this data report. All sample results were reported to the MDL/ PQL when dilution was not performed. Soil samples were reported on a dry weight basis. Data was reported in accordance with the cited method.

A number of the samples exhibited matrix interference in the sample chromatogram. Additional cleanup procedures or extract dilution may have reduced the matrix interference. This may have lead to the detection of additional target analytes in the effected samples.

Sample PG-G-06-120100S003 was analyzed at a two (2) time dilution due to the presence of matrix interference exhibited in the sample chromatogram. Both target and non-target analytes were reported. The case narrative indicated that the sample was reanalyzed, however only the final 1:2 dilution data was provided in the report.

Sample PG-FS-7-120100S002 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-D-01-120100S001 was analyzed at a five (5) time dilution due to the presence of matrix interference exhibited in the sample chromatogram. Both target and non-target analytes were reported. The case narrative indicated that the sample was reanalyzed, however only the final 1:5 dilution data was provided in the report.

Sample PG-D-01-120100S004 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-UST2-3-120100S05B was analyzed at a five (5) time dilution due to the presence of matrix interference exhibited in the sample chromatogram. Both target and non-target analytes were reported. The case narrative indicated that the sample was reanalyzed, however only the final 1:5 dilution data was provided in the report.

Sample PG-UST2-3-120100S007 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-FILL25-120100S003 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-FILL25-120100S005 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-RR10-120200S005 was analyzed at a five (5) time dilution due to the presence of matrix interference exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-FILL08-120200S001 was analyzed without dilution, however, matrix interference was exhibited in the sample chromatogram. Both target and non-target analytes were reported.

Sample PG-D-04-120200S001 was analyzed without dilution. The case narrative indicated that the sample was reanalyzed, however final data was provided in the report.

#### 10. COMPOUND IDENTIFICATION (cont'd)

#### Pesticide Analyses

Samples Received December 4, 2000 – The soil samples were analyzed via EPA Method 8081. Samples were analyzed on dual columns (DB1701/DB608). All sample extracts were analyzed and confirmed via single injection. All sample results were reported to the MDL/PQL. Soil sample data results were reported on a dry weight basis. Data was reported in accordance with the cited method.

A number of the samples exhibited matrix interference in the sample chromatogram. Additional cleanup procedures or extract dilution may have reduced the matrix interference. This may have lead to the detection of additional target analytes in the effected samples.

The following samples were analyzed at 1:5 dilution due to the matrix interference exhibited in the sample chromatogram. All target analytes in these samples were reported Not Detected:

PG-G-06-120100S003

PG-FS-7-120100S002

PG-D-01-120100S001

PG-D-01-120100S004

Sample PG-D-03-120100S001 was analyzed at 1:5 dilution due to the matrix interference exhibited in the sample chromatogram. 4,4'-DDE was detected at a concentration of 0.047 mg/kg.

Samples PG-UST2-3-120100S05B was analyzed at 1:10 dilution due to the matrix interference exhibited in the sample chromatogram. All target analytes in these samples were reported Not Detected.

Sample PG-FILL10-120100S004 was analyzed at 1:10 dilution due to the matrix interference exhibited in the sample chromatogram. 4,4'-DDE (0.024 mg/kg) and 4,4"-DDD (0.092 mg/kg) were detected in this sample extract.

#### Polychlorinated Biphenyl Analyses

Samples Received December 4, 2000 – The soil samples were analyzed via EPA Method 8082. Samples were analyzed on dual columns (DB1701/DB608). All sample extracts were analyzed and confirmed via single injection. All sample results were reported to the MDL/PQL. Soil sample data results were reported on a dry weight basis. Data was reported in accordance with the cited method.

A number of the samples exhibited matrix interference in the sample chromatogram. Additional cleanup procedures or extract dilution may have reduced the matrix interference. This may have lead to the detection of additional target analytes in the effected samples. When PCB's were detected in the samples associated with this data set, Aroclor 1260 was reported.

#### 12 OVERALL ASSESSMENT:

\* P

It was not possible to determine of all analytical QC criteria was met for these analyses. The data reported did not comply with the deliverable requirements of a NJ Reduced Deliverable. The laboratory did not provide a complete data package. When applicable missing information was noted and discussed in the above text.

All data was reported to the laboratory MDL/PQL on the result page. Soil sample results are reported on a dry weight basis. A number of the samples exhibited matrix interference in the sample chromatogram. Additional cleanup procedures or extract dilution may have reduced the matrix interference. This may have lead to the detection of additional target analytes in the effected samples.

All of the soil Volatile Organic method blank samples contained common laboratory contaminants. These contaminants have been negated in the associated field samples. All of the soil Semivolatile Organic method blank samples contained common laboratory contaminants. These contaminants have been negated in the associated field samples. All qualified data result pages are located in Appendix B of this report.

The laboratory case narrative noted that the Volatile Organic surrogate recoveries exceeded QC criteria in both the initial and reanalysis of samples PG-D-01-120100S004 and PG-FB-2-120100WQ01. All target analytes in these samples have been qualified "UJ/J" estimated. Qualified data result pages are located in Appendix B of this report.

Samples PG-L-01-120100S002 and PG-H/R-01-120200S002 were reported from a Semivolatile Organic extraction batch that was prepared beyond the method holding time. Initial data was not provided in the report for review. Based on the holding time, the target analytes in each of these samples have been qualified "UJ" estimated. Qualified data result pages are located in Appendix B of this report.

The data provided for this data set is acceptable for use, with the noted data qualifiers.

#### NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:

Total Metals, Miscellaneous Wet Chemistry

SITE:

HH Port Ivory

**CONTRACT LAB:** 

Veritech Laboratories Fairfield, New Jersey

REVIEWER:

Renee Cohen

DATE REVIEW COMPLETED:

September, 2003

MATRIX:

Aqueous and Non-Aqueous

This data assessment is for thirty-eight (38) soil and six (6) Field Blank samples collected December 1, 2000 and December 2, 2000 and delivered to Veritech Laboratories located in Fairfield, NJ. The samples were received at the laboratory on December 4, 2000. TAL Metal and Miscellaneous Wet Chemistry analytes were performed on the soil samples in this data set.

The data evaluation was performed according to the guidelines noted in the "National Functional Guidelines for Inorganic Data Review, February 1994 and the NYSDEC ASP. A Data Usability Summary Report (DUSR) has been prepared in accordance with the guidelines of the Division of Environmental Remediation.

Several factors should be noted for all persons using this data. Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results presented meet the specific site/project criteria for data quality and data use.

Table 1 of this report contains a cross reference between the Field Sample ID's and the Laboratory Sample ID's.

The samples were also analyzed for a number of organic parameters. The data review associated with the organic analytes is located in the Organic Data Usability Report (DUSR). Appendix A of this Data Usability Summary Report (DUSR) contains a summary of the data qualifiers that may be used in the report. Appendix B contains the qualified data result pages. Appendix C contains the Chain of Custody (COC) documents associated with this data set.

#### 1. OVERVIEW

Thirty-eight (38) soil samples were collected on December 1, 2000 and December 2, 2000 and delivered to the Veritech Laboratories in Fairfield, NJ. The samples were reported in laboratory report 12041615. The samples were analyzed for the parameters listed on the COC documents. New Jersey Reduced Deliverables were requested on the COC documents. The laboratory did not provide a complete NJ Reduced Deliverable package for the TAL Metals data set. Data review was performed using the data provided in the report.

#### 2. HOLDING TIME

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Metals with the exception of Mercury, is required to be digested and analyzed within 180 days of Verified Time of Sample Receipt (VTSR). Mercury samples are to be digested and analyzed within 26 days of VTSR. The miscellaneous wet chemistry analytes have specific holding times cited in the approved method.

<u>Samples Received 12/4/00</u> - Sample preparation data was not provided in the data report. The laboratory chronicles listed both the preparation date and analysis dates for the TAL Metals and Miscellaneous Wet Chemistry analyses. Based on the data provided, all samples were prepared and analyzed for the inorganic analytes within the method holding time.

#### 3. CALIBRATION ANALYSIS

Inductively Coupled Plasma (ICP) was utilized for these analyses. The ICP was calibrated using the calibration standards required by the manufacturer. An initial calibration verification (ICV) standard is then analyzed to verify instrument calibration.

The laboratory did not provide calibration data for this data set.

#### 4. ICP CRDL STANDARD

The CRDL standard is used for the verification of instrument linearity near the CRDL. The CRDL standard control limits are 80%-120% recovery. If the CRDL standard falls outside of the control limits, associated data less than or equal to the 10X the CRDL are qualified estimated (J or UJ) or rejected (R) depending on the recovery of the CRDL standard and the concentration of the analyte in the sample. When the CRDL standard exceeds the control limit, indicating a high bias samples are qualified estimated (J or UJ).

The laboratory did not provide CRDL standard data for this data set.

#### 5. ICP INTERFERENCE CHECK STANDARD

The Interference Check Standard (ICS) is used to verify the laboratory interelement and background correction factors of the ICP. Two solutions comprise the ICS A and ICS AB. Solution A consists of the interferent metals while solution AB is the group of target analytes and the interferents metals. An ICS analysis consists of analyzing both solutions consecutively for all wavelengths used for each analyte reported by ICP.

The laboratory did not provide ICSA and ICSAB data for this data set.

#### 6. MATRIX SPIKE (MS) ANALYSIS

The spike sample analysis provides information about the effect of the sample matrix upon the digestion and measurement methodology. The spike control limits are 75%-125% when the sample concentration is less than four (4) times the spike added. If the matrix spike recoveries fall in the range of 30%-74%, the sample results are may be biased low and are qualified as estimated (J or UJ). If the matrix spike recoveries fall in the range of 126%-200%, sample results may be biased high. Positive results are qualified estimated (J). If the spike recovery is greater than 125% and the reported sample results are less than the IDL the data point is acceptable for use. If the matrix spike recovery is greater than 200%, the associated sample data are unusable and are rejected (R). If matrix spike results are less than 30%, the associated non-detect results are qualified unusable and rejected (R), and the results reported above the IDL are qualified estimated (J).

The laboratory did not provide Matrix Spike data to review for this data set.

#### 7. POST DIGESTION SPIKE ANALYSIS

The post digestion spike sample analysis provides additional information about the effect of the sample matrix upon the digestion and measurement methodology. The post digestion spike is performed for each analyte that the predigestion spike recovery falls outside the 75-125% control limit.

The laboratory did not provide Post Digestion Spike data to review for this data set.

#### 8. DUPLICATE SAMPLE ANALYSIS

The laboratory duplicate sample analysis is used to evaluate the laboratory precision of the method for each analyte. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or +/- CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated.

The laboratory did not provide Duplicate sample data to review for this data set.

#### 9. ICP SERIAL DILUTION

The serial dilution analysis indicates whether significant physical or chemical interference's exist due to the sample matrix. If the concentration of any analyte in the original sample is greater than 50 times the instrument detection limit (IDL), an analysis of a 5-fold dilution samples must yield results which have a percent difference (%D) of less than or equal to 10 with the original sample results. If the %D of the serial dilution exceeds the 10% (and is not greater than 100%) for a particular analyte, all the associated sample results are qualified estimated (J).

The laboratory did not provide ICP Serial Dilution data to review for this data set.

#### 10. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criteria for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not affecting other data.

<u>Samples Received 12/4/00</u> – The laboratory provided method blank summary data with the data set. The summary forms indicate that all preparation blanks, ICB and CCB data associated with the TAL Metals met QC criteria. Raw data was not provided for review.

The Method Blank data results associated with the Wet Chemistry analytes were summarized in the data report. All Wet Chemistry analyte method blanks were free from contamination.

The Field Blank Samples were not analyzed for TAL Metals or the Wet Chemistry analytes.

#### 11. LABORATORY CONTROL SAMPLE ANALYSIS (LCS)

The laboratory control sample (LCS) analysis provides information about the efficiency of the laboratory digestion procedure. If the recovery of any analyte is outside the established control limits, then laboratory performance and method accuracy are in question. Professional judgment is used to determine of data should be qualified or rejected.

The laboratory did not provide LCS data to review for this data set.

#### 12. INSTRUMENT QC DATA

The laboratory did not provide Instrument QC Data to review for this data set.

#### 13. COMPOUND IDENTIFICATION

<u>Samples Received 12/4/00</u> - The samples in this data set were analyzed for TAL Metals. Sample results were summarized on the Report of Analysis pages. Raw data was not provided for review with this data set. The samples were analyzed for Miscellaneous Wet Chemistry analytes. Sample results were summarized on the Report of Analysis pages. Raw data was not provided for review.

#### 14. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

This data set included the reporting of thirty-eight (38) soil samples. The samples were analyzed for the TAL metals and Wet Chemistry analytes as noted on the COC documents that accompanied the data set.

Based on the limited data provided for review, the data results associated with this sampling event are valid and acceptable for use without data qualification.

TABLE 1

### CLIENT SAMPLE ID LABORATORY SAMPLE ID

	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PG-G-05-120100S003	AB20277
PG-G-06-120100S003	AB20278
PG-G-06-120100S004	AB20279
PG-G-5A-120100S003	AB20280
PG-FS-7-120100S002	AB20281
PG-FS-7-120100S005	AB20282
PG-D-01-120100S001	AB20283
PG-D-01-120100S004	AB20284
PG-D-01-120100S010	AB20285
PG-D-03-120100S001	AB20286
PG-RR-08-120100S002	AB20287
PG-RR-08-120100S004	AB20288
PG-UST2-3120100S002	AB20289
PG-UST2-3120100S05B	AB20290
PG-UST2-3120100S007	AB20291
PG-FILL10-120100S02B	AB20292
PG-FILL10-120100S004	AB20293
PG-FILL25-120100S001	AB20294
PG-FILL25-120100S003	AB20295
PG-FILL25-120100S005	AB20296
PG-L-01-120100S002	AB20297
PG-L-01-120100S004	AB20298
PG-FB-1-120100WQ01	AB20299
PG-FB-2-120100WQ01	AB20300
PG-FB-3-120100WQ01	AB20301
PG-FB-1-120200WQ01	AB20302
PG-FB-2-120200WQ01	AB20303
PG-FB-3-120200WQ01	AB20304
PG-PD-5-120200S001	AB20305
PG-PD-5-120200S002	AB20306
PG-PD-4-120200S005	AB20307
PG-A-01-120200\$002	AB20308
PG-L-04-120200S001	AB20309
PG-L-04-120200S004	AB20310
PG-L-05-120200\$002	AB20311
PG-L-05-120200S005	AB20312
PG-D-04-120200S001	AB20313
PG-D-4A-120200S005	AB20314
PG-RR-10-120200S002	AB20315
PG-RR-10-120200S005	AB20316
PG-FILL08-120200S001	AB20317
PG-FILL08-120200S004	AB20318
PG-H/R-01-120200S001	AB20319
PG-H/R-01-120200S002	AB20320

APPENDIX A

#### DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are unreliable/unuseable. The presence or absence of the analyte cannot be verified.
- K The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.
- L The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.
- UL The analyte was not detected, and the reported quantitation limit is probably higher than reported.

APPENDIX B

#### Form1 **ORGANICS VOLATILE REPORT**

Sample Number: AB20277

Matrix: Soil

Client Id: PG-G-05-120100SO03

Initial Volume: 5g

Data File: FT4718

Final Volume: NA

Date Analyzed: 6 Dec 2000 22:59

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0062	U
79345	1,1,2,2-Tetrachloroethane	0.0062	Ū
79005	1.1.2-Trichloroethane	0.0062	Ū
75343 75354	1,1-Dichloroethane	0.0062	U ··· ·
75354	1.1-Dichloroethene	0.0062	U
107062	1,2-Dichloroethane	0.0062	U
78 <u>87</u> 5	1,2-Dichloropropane	0.0062	บ
110758	2-Chloroethylvinylether	0.0062	U
107028	Acrolein	0,019	Ų .
107131	Acrylonitrile	0.0086	U
71432	Benzene	0.0012	Ų
75274	Bromodichloromethane	0.0062	ນ ບ ບ
75252	Bromoform	0.0062	Ų
74839	Bromomethane	0.0062	Ų .
56235	Carbon tetrachloride	0.0062	Ų
108907	Chlorobenzene Chlorobenzene	0.0062	Ŭ ,
75003	Chloroethane	0.0062	ÿ
67663	Chloroform	0.0062	'n
74873	Chloromethane	0.0062	Ų.
10061015 124481	Cis-1,3-Dichloropropene	0.0062	Ŋ
100414	Dibromochloromethane	0.0062	Ŋ
108383	Ethylbenzene	0.0012	ប្ត
75092	M&p-Xylenes Methylene chloride	0.0025 0.0062	0.0059 18 ()
9547 <b>6</b>	O-Xylene	0.0012	0.0039-06
127184	Tetrachloroethene	0.0012	~ U
108883	Toluene	0.0012	ĭ
156605	Trans-1,2-Dichloroethene	0.0062	ĭ
10061026	Trans-1,3-Dichloropropene	0.0062	ប័
79016	Trichloroethene	0.0062	ŭ
75014	Vinyl chloride	0.0062	ŭ

#### Total Target Concentration 0.0059

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS VOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20277

Client Id: PG-G-05-120100SO0

Data File: FT4718

Date Analyzed: 6 Dec 2000 22:59

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 81

Hit# Cas Numb	er Compound	RT	Concentration mg/Kg
1	unknown	9.670	D8(1180_
2	unknown	12.850	0,014 J B U

Total Tentatively Identified Concentration

0.025

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

#### **Form1 ORGANICS VOLATILE REPORT**

Sample Number: AB20278

Matrix: Soil

Client Id: PG-G-06-120100SO03

Initial Volume: 5g

Data File: FT4719

Final Volume: NA

Date Analyzed: 6 Dec 2000 23:25

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 86

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0058	U
79345	1,1,2,2-Tetrachloroethane	0.0058	Ų
79005	1,1,2-Trichloroethane	0.0058	ÿ
75343 75354	1,1-Dichloroethane	0.0058	Ŋ
107062	1,1-Dichloroethene 1,2-Dichloroethane	0.0058 0.0058	U U U
78875	1,2-Dichloropropane	0.0058	Ü
110758	2-Chloroethylvinylether	0.0058	. N
107028	Acrolein	0.0030	Ŭ
107131	Acrylonitrile	0.0081	ĭĭ
71432	Benzene	0.0012	ĭ
75274	Bromodichloromethane	0.0058	U U U
75252	Bromoform	0.0058	ŭ
74839	Bromomethane	0.0058	Ú U U U
56235	Carbon tetrachloride	0.0058	Ŭ
108907	Chlorobenzene	0.0058	
75003	Chloroethane	0.0058	U
67663	Chloroform	0.0058	. U
74873	Chloromethane	0.0058	. Ų
10061015	Cis-1,3-Dichloropropene Dibromochloromethane	0.0058	Ŭ
124481	Dibromochioromethane	0.0058	<u>u</u>
100414 108383	Ethylbenzene	0.0012	Ų,
75092	M&p-Xylenes Methylene chloride	0.0023 0.0058	0.013B
95476	O-Xylene	0.0038	0.0136
127184	Tetrachloroethene	0.0058	
108883	Toluene	0.0012	ប័
156605	Trans-1,2-Dichloroethene	0.0058	ŭ
10061026	Trans-1,3-Dichloropropene	0.0058	Ŭ
79016	Trichloroethene	0.0058	Ŭ
75014	Vinyl chloride	0.0058	Ú

#### Total Target Concentration 0.013

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS VOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20278

Client Id: PG-G-06-120100SO0

Data File: FT4719

Date Analyzed: 6 Dec 2000 23:25

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 86

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0. <b>003</b> 7 <b>J</b>
2	unknown	9.670	0.0143 BU
3	unknown	12.850	0.014 J B U
4	unknown	14.130	0.0051 J

Total Tentatively Identified Concentration

0.039

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

## Form1 ORGANICS VOLATILE REPORT

Sample Number: AB20279

Matrix: Soil

Client Id: PG-G-06-120100SO04

Initial Volume: 5g

Data File: FT4743

Final Volume: NA

Date Analyzed: 7 Dec 2000 13:51

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

71556         1,1,1-Trichloroethane         0.0062         U           79345         1,1,2,2-Tetrachloroethane         0.0062         U           79005         1,1,2-Trichloroethane         0.0062         U           75343         1,1-Dichloroethane         0.0062         U           75354         1,1-Dichloroethane         0.0062         U           107062         1,2-Dichloroethane         0.0062         U           78875         1,2-Dichloropropane         0.0062         U           110758         2-Chloroethylvinylether         0.0062         U           107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0086         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chlorobenzene         0.0062         U           74873         Chloromethane         0.0062         U <tr< th=""></tr<>
79345         1,1,2,2-Tetrachloroethane         0.0062         U           79005         1,1,2-Trichloroethane         0.0062         U           75343         1,1-Dichloroethane         0.0062         U           75354         1,1-Dichloroethane         0.0062         U           107062         1,2-Dichloroethane         0.0062         U           78875         1,2-Dichloropropane         0.0062         U           110758         2-Chloroethylvinylether         0.0062         U           107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0086         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroform         0.0062         U           67663         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U      <
75343 1,1-Dichloroethane 0.0062 U 107062 1,2-Dichloroethane 0.0062 U 107062 1,2-Dichloroethane 0.0062 U 1107058 1,2-Dichloroptopane 0.0062 U 1107058 2-Chloroethylvinylether 0.0062 U 107028 Acrolein 0.019 U 107131 Acrylonitrile 0.0086 U 71432 Benzene 0.0012 U 75274 Bromodichloromethane 0.0062 U 75252 Bromoform 0.0062 U 74839 Bromomethane 0.0062 U 74839 Bromomethane 0.0062 U 56235 Carbon tetrachloride 0.0062 U 108907 Chlorobenzene 0.0062 U 108907 Chlorotethane 0.0062 U 108481 Dibromochloromethane 0.0062 U 104481 Dibromochloromethane 0.0062 U 108483 M&n-Xulenes 0.0062 U
75354 1,1-Dichloroethene 0.0062 U 107062 1,2-Dichloroethane 0.0062 U 78875 1,2-Dichloropropane 0.0062 U 110758 2-Chloroethylvinylether 0.0062 U 107028 Acrolein 0.019 U 107131 Acrylonitrile 0.0086 U 71432 Benzene 0.0012 U 75274 Bromodichloromethane 0.0062 U 75275 Bromoform 0.0062 U 75275 Bromoform 0.0062 U 75839 Bromomethane 0.0062 U 108907 Chloroethane 0.0062 U 1048481 Dibromochloromethane 0.0062 U 1041481 Dibromochloromethane 0.0062 U 100414 Ethylbenzene 0.0062 U
107062       1,2-Dichloroethane       0.0062       U         78875       1,2-Dichloropropane       0.0062       U         110758       2-Chloroethylvinylether       0.0062       U         107028       Acrolein       0.019       U         107131       Acrylonitrile       0.0086       U         71432       Benzene       0.0012       U         75274       Bromodichloromethane       0.0062       U         74839       Bromomethane       0.0062       U         56235       Carbon tetrachloride       0.0062       U         108907       Chlorobenzene       0.0062       U         75003       Chloroethane       0.0062       U         67663       Chloroform       0.0062       U         74873       Chloromethane       0.0062       U         10061015       Cis-1,3-Dichloropropene       0.0062       U         10414       Ethylbenzene       0.0062       U         10883       M&n-Xulenes       0.0075       U
107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0086         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           10883         M&n-Xylenes         0.0025         U
107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0086         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           10883         M&n-Xylenes         0.0025         U
107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0086         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           10883         M&n-Xylenes         0.0025         U
56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xylenes         0.0025         U
56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xylenes         0.0025         U
56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xylenes         0.0025         U
56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xylenes         0.0025         U
56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xylenes         0.0025         U
108907         Chlorobenzene         0.0062         U           75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&n-Xulenes         0.0025         U
67663 Chloroform 0.0062 U 74873 Chloromethane 0.0062 U 10061015 Cis-1,3-Dichloropropene 0.0062 U 124481 Dibromochloromethane 0.0062 U 100414 Ethylbenzene 0.0012 U 108383 M&n-Xylenes 0.0025 U
67663 Chloroform 0.0062 U 74873 Chloromethane 0.0062 U 10061015 Cis-1,3-Dichloropropene 0.0062 U 124481 Dibromochloromethane 0.0062 U 100414 Ethylbenzene 0.0012 U 108383 M&n-Xylenes 0.0025 U
74873       Chloromethane       0.0062       U         10061015       Cis-1,3-Dichloropropene       0.0062       U         124481       Dibromochloromethane       0.0062       U         100414       Ethylbenzene       0.0012       U         108383       M&p-Xylenes       0.0025       U
10061015       Cis-1,3-Dichloropropene       0.0062       U         124481       Dibromochloromethane       0.0062       U         10414       Ethylbenzene       0.0012       U         108383       M&n-Xylenes       0.0025       U
124481 Dibromochloromethane 0.0062 Ü 100414 Ethylbenzene 0.0012 U 108383 M&n-Xylenes 0.0025 U
100414 Ethylbenzene 0.0012 U 108383 M&p-Xvlenes 0.0025 U
108383 M&n-Xvienes 0.0025 U
75092 Methylene chloride 0.0062 0.0057 B U
95476 O-Xylene 0.0012 // U
12/184   etrachioroethene 0,0062 U
108883 Toluene 0.0012 U 156605 Trans-1,2-Dichloroethene 0.0062 U
156605 Trans-1,2-Dichloroethene 0.0062 U 10061026 Trans-1,3-Dichloropropene 0.0062 U
79016 Trichloroethene 0.0062 U
75014 Vinyl chloride 0.0062 U

#### Total Target Concentration 0.0057

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### $Form 1e/1f \\ {\tt ORGANICS VOLATILE REPORT}$ Tentatively Identified Compounds

Sample Number: AB20279

Matrix: Soil

Client Id: PG-G-06-120100SQ0

Initial Volume: 5g

Data File: FT4743

Final Volume: NA

Date Analyzed: 7 Dec 2000 13:51

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0047 <b>J</b>
2	unknown	9.420	0.0038 <b>J</b>
3	unknown	9,490	0.0081 <b>J</b>
4	unknown	9.510	0.0084 <i>J</i>
.5	unknown	9.590	0.0082 <i>J</i>
6	unknown	9.640	0.0042 J
7	unknown	9.660	0.0084 <i>J</i>
8	unknown	12.850	0.0067 1 B U

Total Tentatively Identified Concentration

0.053

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

## Form1 ORGANICS VOLATILE REPORT

Sample Number: AB20280

Client Id: PG-G-5A-120100SO03

Initial Volume: 59

Data File: FT4721

Matrix: Soil

Final Volume: NA

Date Analyzed: 7 Dec 2000 00:17

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

71556         1,1,1-Trichloroethane         0.0062         U           79345         1,1,2-Trichloroethane         0.0062         U           79005         1,1,2-Trichloroethane         0.0062         U           75343         1,1-Dichloroethane         0.0062         U           107062         1,2-Dichloroethane         0.0062         U           107082         1,2-Dichloroptane         0.0062         U           110758         2-Chloroethylvinylether         0.0062         U           107028         Acrolein         0.019         U           107131         Acrylonitrile         0.0088         U           71432         Benzene         0.0012         U           75274         Bromodichloromethane         0.0062         U           75252         Bromoform         0.0062         U           74839         Bromomethane         0.0062         U           56235         Carbon tetrachloride         0.0062         U           108907         Chlorobenzene         0.0062         U	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
75003         Chloroethane         0.0062         U           67663         Chloroform         0.0062         U           74873         Chloromethane         0.0062         U           10061015         Cis-1,3-Dichloropropene         0.0062         U           124481         Dibromochloromethane         0.0062         U           100414         Ethylbenzene         0.0012         U           108383         M&p-Xylenes         0.0025         U           75092         Methylene chloride         0.0062         0.0048 JB (           95476         O-Xylene         0.0012         U           127184         Tetrachloroethene         0.0062         U           10883         Toluene         0.0012         U           156605         Trans-1,2-Dichloroethene         0.0062         U           10061026         Trans-1,3-Dichloropropene         0.0062         U           79016         Trichloroethene         0.0062         U           75014         Vinyl chloride         0.0062         U	79345 79005 75343 75354 107062 78875 110758 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75092 95476 127184 108883 156605 10061026 79016	1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroferm Chloroferm Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Trichloroethene	0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0012 0.0062	

#### Total Target Concentration 0.0048

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS VOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20280

Client Id: PG-G-5A-120100SO0

Initial Volume: 5g

Data File: FT4721

Matrix: Soil

Final Volume: NA

Date Analyzed: 7 Dec 2000 00:17

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Hit# Cas Nur	nber Compound	RT	Concentration mg/Kg
1	unknown	3.970	0.0043 J
2	unknown	5.500	0.0043 <i>J</i>
3	unknown	9.640	0.0098 j B U
4.	unknown	12.850	0.018 J BV V

Total Tentatively Identified Concentration

0.031

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

## Form1 ORGANICS VOLATILE REPORT

Sample Number: AB20281

Matrix: Soil

Client Id: PG-FS-7-120100SO02

Initial Volume: 5g

Data File: FT4722

Final Volume: NA

Date Analyzed: 7 Dec 2000 00:43

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 79

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

001			Concentration
CAS#	Compound	PQL/MDL	(Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0063	U
79345	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0063	Ų
79005	1,1,2-I richloroethane	0.0063	Ü
75343	1,1-Dichloroethane	0.0063	Ū U
75 <b>354</b>	1,1-Dichloroethene	0.0063	ប្ត
107062	1,2-Dichloroethane	0.0063 0.0063	ų .
788 <b>75</b> 11 <b>0758</b>	1,2-Dichloropropane 2-Chloroethylvinylether	0.0063	Ŋ,
107028	Acrolein	0.019	ט ט ט
107131	Acrylonitrile	0.0088	ĭ
71432	Benzene	0.0013	פפפפפפפפפפ
75274	Bromodichloromethane	0.0063	ŭ
75 <b>25</b> 2	Bromoform	0.0063	ĭi
74839	Bromomethane	0.0063	Ŭ
5 <b>6235</b>	Carbon tetrachloride	0.0063	Ū
108907	Chlorobenzene	0.0063	U
75003	Chloroethane	0.0063	U
67663	Chloroform	0.0063	U
74873	Chloromethane	0.0063	Ü
10061015	Cis-1,3-Dichloropropene	0.0063	ñ
124481	Dibromochloromethane	0.0063	ÿ
100414	Ethylbenzene	0.0013	Ų
108383 75092	M&p-Xylenes Methylene chloride	0.0025 0.0063	0.0975 B U .
954 <b>76</b>	O-Xylene	0.0013	0.0073 6 0
127184	Tetrachioroethene	0.0063	0.0032 J
108883	Toluene	0.0013	0.0002 0
156605	Trans-1,2-Dichloroethene	0.0063	ŭ
10061026	Trans-1,3-Dichloropropene	0.0063	· ŭ
79016	Trichloroethene	0,0063	Ū
7501 <i>4</i>	Vinyl chloride	0.0063	U

#### Total Target Concentration 0.011

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20281

Client Id: PG-FS-7-120100SO0

Data File: FT4722

Date Analyzed: 7 Dec 2000 00:43

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 79

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	9.660	0.0077 JB U
2	unknown	12.850	0.0127 13 U

Total Tentatively Identified Concentration

0.021

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bd

Sample Number: AB20282

Matrix: Soil

Client Id: PG-FS-7-120100SO05

Initial Volume: 5g

Data File: FT4723

Final Volume: NA

Date Analyzed: 7 Dec 2000 1:09

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 79

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration
(Units: mg/Kg)

	CAS#	Compound	PQL/MDL	(Units: mg/Kg)
•	71556 79345 79045 75343 75354 107062 78875 110758 107028 107131 71432 75274 75274 75272 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75092 95476 127184 108383 156605 10061026 79016 79016	1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropethane 1,2-Dichloropopane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromodichloromethane Bromodichloromethane Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Tichloroethene	0.0063 0.0063	

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20282

Client Id: PG-FS-7-120100SO0

Data File: FT4723

Date Analyzed: 7 Dec 2000 1:09

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 79

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0040 J
2	unknown	12.850	0.014 J B U

Total Tentatively Identified Concentration

0.018

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bd

Sample Number: AB20283

Matrix: Soil

Client Id: PG-D-01-120100SO01

Initial Volume: 5g

Data File: FT4724

Final Volume: NA

Date Analyzed: 7 Dec 2000 1:35

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 82

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg )
71556	1,1,1-Trichloroethane	0.0061	. U
79345	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0061	Ų
79005	1,1,2-Trichloroethane	0.0061	<u>Ŭ</u>
75343	1,1-Dichloroethane	0.0061	U U
7535 <b>4</b>	1,1-Dichloroethene	0.0061	Ŋ
107062	1,2-Dichloroethane	0.0061	ÿ
788 <b>7</b> 5 110758	1,2-Dichloropropane	0.0061	Ü
107028	2-Chloroethylvinylether Acrolein	0.0061 0.018	ប្ត
107131	Acrylonitrile	0.0085	H
71432	Benzene	0.0012	Ŋ,
75274	Bromodichloromethane	0.0012	H ,
75252	Bromoform	0.0061	מכככככ
74839	Bromomethane	0.0061	ŭ
56235	Carbon tetrachloride	0.0061	ŭ
108907	Chlorobenzene	0.0061	ŭ
750 <b>03</b>	Chloroethane	0.0061	ŭ
676 <b>63</b>	Chloroform Chloroform	0.0061	Ū
74873	Chloromethane	0.0061	Ú ·
10061015	Cis-1,3-Dichloropropene Dibromochloromethane	0.0061	Ü
124481	Dibromochloromethane	0. <b>0061</b>	U
100414	Ethylbenzene	0.0012	U
108383	M&p-Xylenes	0.0024	ا ؛ کم وجود د
75092	Methyléne chloride	0.0061	0.0050-518 ()
95476 127184	O-Xylene	0.0012	<u>U</u>
108883	Tetráchioroethene Toluene	0.0061 0.0012	U
156605	Trans-1,2-Dichloroethene	0.0012	H
10061026	Trans-1,3-Dichloropropene	0.0061	ប .
79016	Trichloroethene	0.0061	· Ŭ
75014	Vinyl chloride	0.0061	ŭ
	-		-

 $<sup>\</sup>emph{U}$  - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20283

Client Id: PG-D-01-120100SO0

Data File: FT4724

Date Analyzed: 7 Dec 2000 1:35

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 59

Final Volume: NA

Dilution Factor: 1

Percent Solids: 82

Hit# Cas Number

Compound

RT

Concentration mg/Kg

unknown

12.850

Total Tentatively Identified Concentration

0.005

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bt

Sample Number: AB20284(5X)

Matrix: Soil

Client Id: PG-D-01-120100SO04

Initial Volume: 5g

Data File: FT4773

Final Volume: NA

Date Analyzed: 8 Dec 2000 3:29

Dilution Factor: 5

Date Received/Extracted: 12/4/00-NA

Percent Solids: 71

Column: Supelco 105 m vocol col..5 mm id. 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79045 79345 75354 107062 78875 110758 107028 107131 71432 75274 75274 75274 75275 10839 56235 108907 75003 67663 74873 10061015 124481 10061015 124481 108383 75092 95476 127184 108883 75092 95476 127184 108883 106605 10661026 79016 75014	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethyivinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloroethane Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene	0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035 0.035	ככבכככבכבכבכבכבכבכב

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20284(5X)

Client Id: PG-D-01-120100SO0

Data File: FT4773

Date Analyzed: 8 Dec 2000 3:29

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 5

Percent Solids: 71

Hit#	Cas Number	Compound	RT	Concentration mg/Kg	
1	003073-66-3	Cyclohexane, 1,1,3-trimethyl-	10.200	0.59 <b>J</b>	-
2	001839-63-0	Cyclohexane, 1,3,5-trimethyl-	10.380	0.43 J	
3	001678-81-5	Cyclohexane, 1,2,3-trimethyl-, (1.alpha.	10.690	0.29 <b>J</b>	
4	006236-88-0	Cyclohexane, 1-ethyl-4-methyl-, trans-	10.810	1.1 J	
· 5		unknown	10.910	0.29 J	
6		unknown hydrocarbon	10.970	0.45 <b>J</b>	-
7		unknown	11.050	1.6 <i>J</i>	
8	002051-30-1	Octane, 2,6-dimethyi-	11.140	1.7 <b>J</b>	
9		unknown	11.260	2.9 <i>J</i>	
- 10		unknown hydrocarbon	11.410	3.2 <i>J</i>	
11		unknown	11.820	0.32 <b>J</b>	
12	002847-72-5	Decane, 4-methyl-	12.000	0.53 <i>J</i>	
13		unknown	12.270	0.52 <b>J</b>	
14		unknown	12.540	0.29 <i>J</i>	
15	000091-17-8	Naphthalene, decahydro-	12.690	0.41 J	
		and the control of th		•	

Total Tentatively Identified Concentration

A - indicates an aldol condensate.

J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20285

Matrix: Soil

Client Id: PG-D-01-120100SO10

Initial Volume: 5g

Data File: FT4769

Final Volume: NA

Date Analyzed: 8 Dec 2000 1:45

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 52

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

 CAS#	Compound	PQL/MDL	(Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 100414 108383 75092 95476 127184 108605 1061026 79016	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromodichloromethane Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene	0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.029 0.013 0.0019 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096 0.0096	בנינינים מיינים
75014	Vinyl chloride	0.0096	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20285

Matrix: Soil

Client Id: PG-D-01-120100SO1

Initial Volume: 5g

Data File: FT4769

Final Volume: NA

Date Analyzed: 8 Dec 2000 1:45

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 52

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	çolumn bleed	1.890	0.018 J
2	unknown	5.500	0.0080 J
3	unknown	12.850	0.0070 j 8 U
4 000076-22-2	Camphor	13.780	0.011 J

Total Tentatively Identified Concentration

0.044

Control File h:\import\113300.bd

A - Indicates an aldol condensate,
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample,

Sample Number: AB20286

Matrix: Soil

Client Id: PG-D-03-120100SO01

Initial Volume: 59

Data File: FT4725

Final Volume: NA

Date Analyzed: 7 Dec 2000 2:01

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 87

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0057	U
79345	1.1.2.2-Tetrachloroethane	0.0057	Ü
79005	1,1,2-Trichloroethane	0.0057	Ŭ
753 <b>43</b>	1,1-Dichloroethane	0.0057	U
75354	1,1-Dichloroethene	0.0057	Ŭ
107062	1,2-Dichloroethane	0.0057	U ·
78875	1,2-Dichloropropane	0.0057	U
110758	2-Chloroethylvinylether	0.0057	Ū
107028	Acrolein	0.017	U .
107131	Acrylonitrile	0.0080	Ū
71432	Benzene	0.0011	Ū .
75274	Bromodichloromethane	0.00 <u>57</u>	Ų '
7525 <b>2</b>	Bromoform	0.0057	U
74839	Bromomethane	0.0057	Ų
56235_	Carbon tetrachloride	0.0057	Ū U
108907	Chlorobenzene	0.00 <u>57</u>	Ų
75003	Chloroethane	0.0057	ń
67663	Chloroform	0.0057	ŭ
74873	Chloromethane	0.0057	Ŭ
10061015	Cis-1,3-Dichloropropene Dibromochloromethane	0.0057	ÿ
124481		0.0057	ប្ត
100414	Ethylbenzene	0.0011	Ņ.
108383	M&p-Xylenes Methylene chloride	0.0023	0.0044 185 1.1
75 <b>092</b> 95 <b>476</b>	O Vulene Chionde	0.0057 0.0011	0.0041 AB U
127184	O-Xylene Tetrachloroethene	0.0011	V
108883	Toluene	0.0037	N N
156605	Trans-1,2-Dichloroethene	0.0011	N N
10061026	Trans-1,3-Dichloropropene	0.0057	H
79016	Trichloroethene	0.0057	
75014	Vinyl chloride	0.0057	ŭ

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20286

Matrix: Soil

Client Id: PG-D-03-120100SO0

Initial Volume: 5g

Final Volume: NA

Data File: FT4725

Date Analyzed: 7 Dec 2000 2:01

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 87

Hit# Cas Number	Compound		RT Con	centration mg/Kg
1	unknown	× 5.	3.970	0.0038 J
2	unknown		9.650	0.000+1BU
3	unknown		12.850	9.020 J B U

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20287

Matrix: Soil

Client Id: PG-RR-08-120100SO02

Initial Volume: 59

Data File: FT4726

Final Volume: NA

Date Analyzed: 7 Dec 2000 2:27

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 64

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0078	U
79345	1,1,2,2-Tetrachioroethane	0.0078	Ų
79005	1,1,2-Trichloroethane	0.0078	ŭ
75343	1,1-Dichloroethane	0.0078	Ū U U
75354	1,1-Dichloroethene	0.0078	y ·
107062 78875	1,2-Dichloroethane	0.0078 0.0078	Ü
110758	1,2-Dichloropropane 2-Chloroethylvinylether	0.0078	H
107028	Acrolein	0.023	H
107131	Acrylonitrile	0.011	ĭ
71432	Benzene	0.0016	ככככככככככ
75274	Bromodichloromethane	0.0078	Ŭ
75252	Bromoform	0.0078	Ŭ
74839	Bromomethane	0.0078	ŭ
56235	Carbon tetrachloride	0.0078	ņ
108907	Chlorobenzene	0.0078	Ŋ
75003 67663	Chloroethane Chloroform	0.0078 0.0078	Y
74873	Chloromethane	0.0078	Y
10061015	Cis-1,3-Dichloropropene	0.0078	ĭ
124481	Dibromochloromethane	0.0078	ĭi
100414	Ethylbenzene	0.0016	ŭ
108383	M&p-Xylenes Methylene chloride	0.0031	Ŭ
750 <b>92</b>	Methylene chloride	0.0078	0.0 <u>026</u> JB- ()
95476	Q-Xylene	0.0016	Ų U
127184	Tetrachloroethene	0.0078	'n
108883	Toluene	0.0016	И
1566 <b>05</b> 10061026	Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene	0.007 <b>8</b> 0.0078	u U
79016	Trichloroethene	0.0078	ŭ
75014	Vinyl chloride	0.0078	ŭ

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20287

Client 1d: PG-RR-08-120100SO

Data File: FT4726

Date Analyzed: 7 Dec 2000 2:27

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 64

	Hit# Cas Number	Compound	RT	Concentration mg/Kg
•	1	unknown	9.650	0.010 J B U
	2	unknown	9.660	0.0086 J
	3	unknown	12.850	0.01453

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20288

Matrix: Soil

Client Id: PG-RR-08-120100SO04

Initial Volume: 5g

Data File: FT4727

Final Volume: NA

Date Analyzed: 7 Dec 2000 2:53

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 72

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0069	υ ·
79345	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0069	U
79005	1,1,2-Trichloroethane	0.0069	U
75343	1,1-Dichloroethane	0.0069	ŭ
75354	1,1-Dichloroethene	0.0069	טטטטטטטט
107062	1,2-Dichloroethane	0.0069	Ų.
78875	1,2-Dichloropropane	0.0069	y.
110758	2-Chloroethylvinylether	0.0069	Ų
107028	Acrolein	0.021	Ü
10713 <b>1</b> 71 <b>432</b>	Acrylonitrile Benzene	0.0096 0.0014	Y
75274	Bromodichloromethane	0.0069	· :
75252	Bromoform	0.0069	ĭ
74839	Bromomethane	0.0069	ט ט ט ט
56235	Carbon tetrachloride	0.0069	ŭ
108907	Chlorobenzene	0.0069	ŭ
75003	Chloroethane	0.0069	ŭ
67663	Chloroform	0.0069	Ŭ U
74873	Chloromethane	0.0069	Ŭ
10061015	Cis-1,3-Dichloropropene Dibromochloromethane	0.0069	Ü
124481	Dibromochloromethane	0.0069	U
100414	Ethylbenzene	0.0014	U
108383	M&p-Xylenes Methylene chloride	0.0028	U
75092		0.0069	0.0022 JB U
95476	O-Xylene	0.0014	0
127184	Tetrachloroethene	0.0069	ÿ
108883	Toluene	0.0014	Ŋ
156605 10061026	Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene	0.0069 0.0069	Y
79016	Trichloroethene	0.0069	y,
75014	Vinyl chloride	0.0069	ŭ

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20288

Matrix: Soil

Client Id: PG-RR-08-120100SO

Initial Volume: 5g

Data File: FT4727

Final Volume: NA

Date Analyzed: 7 Dec 2000 2:53

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA Percent Solids: 72

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	column bleed	1.920	0.0073 <i>J</i>
<u>,</u> 2	unknown	3.970	0.0058 <b>J</b>
· <b>3</b>	unknown	9.480	0.0049 J
4	unknown	12.850	0.0088 J B U

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20289

Matrix: Soil

Client Id: PG-UST2-3-120100SO02

Initial Volume: 5g

Data File: FT4728

Final Volume: NA

Date Analyzed: 7 Dec 2000 3:19

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

0000	mm. cupoloc 100 iii vesei e	,01,10 mm la, 0.0 am	Concentration
CAS#	Compound	PQL/MDL	(Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 1077028 1077131 71432 75274 75282 74839 56235 108907 75003 67663 74873 10061015 124481 100414	Compound  1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromodichloromethane Bromomethane Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene	PQL/MDL  0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0019 0.0086 0.0012 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062	(Units: mg/Kg)  U U U U U U U U U U U U U U U U U U
108383 75092 95476 127184 108883 156605 10061026 79016 75014	M&p-Xylenes M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Vinyl chloride	0.0025 0.0062 0.0012 0.0062 0.0012 0.0062 0.0062 0.0062 0.0062	0.0057 JB / U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20289

Matrix: Soil

Client Id: PG-UST2-3-120100S

Initial Volume: 59

Data File: FT4728

Final Volume: NA

Date Analyzed: 7 Dec 2000 3:19

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	9.680	0.0084 J B U
2	unknown	12.850	0.0072 J B U

Total Tentatively Identified Concentration

0.016

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bt

Sample Number: AB20290(5X)

Matrix: Soil

Client Id: PG-UST2-3-120100SO5B

Initial Volume: 5g

Data File: FT4836

Final Volume: NA

Date Analyzed: 9 Dec 2000 23:40

Dilution Factor: 5

Date Received/Extracted: 12/4/00-NA

Percent Solids: 60

Column: Supelco 105 m vocol col., 5 mm id. 3.0 um film

CAS #	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 107028 107131 71432 75274 75272 74839 56235 108907 75003 67663 74873 10061015 124481 100414 1008383	1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroethane Chloromethane Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride	0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.058 0.0083 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
75092 95476 127184 108883 156605 10061026 79016 75014	O-Xylene O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Vinyl chloride	0.042 0.0083 0.042 0.0083 0.042 0.042 0.042	0.018 18 U

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20290(5X)

Client Id: PG-UST2-3-120100S

Data File: FT4836

Date Analyzed: 9 Dec 2000 23:40

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 5

Percent Solids: 60

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	11.010	0.36 <i>J</i>
2		unknown	11.100	0.34 <b>J</b>
3		unknown	11.210	0.82 J
4		unknown	12.230	0.50 J
5		unknown	12.480	0. <b>49</b> <i>J</i>
6		unknown ·	12.630	0.91 <i>J</i>
7		unknown	12.830	0.57,16
8 .		unknown	13.000	0.58 J
9	002958-76-1	Naphthalene, decahydro-2-methyl-	13.110	0.63 <b>J</b>
10	002958-76-1	Naphthalene, decahydro-2-methyl-	13.260	0.37 <i>J</i>
11	017301-23-4	Undecane, 2,6-dimethyl-	13.470	0.34 J
12		unknown	13.680	0.41 <i>J</i>
13		unknown,	14.120	0.47 JB (
14		unknown	14.330	0.44 J
15		unknown	14.470	0.34 <i>J</i>

Total Tentatively Identified Concentration

A - Indicates an aldol condensate, J - Indicates an estimated value B - Indicates the analyte was found in the blank as well as in the sample,

Sample Number: AB20291

Matrix: Soil

Client Id: PG-UST2-3-120100SO07

Initial Volume: 5g

Data File: FT4832

Final Volume: NA

Date Analyzed: 9 Dec 2000 21:57

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 52

Column: Supelco 105 m vocol col..5 mm id. 3.0 um film

Con	Concentration					
CAS#	Compound	PQL/MDL	(Units: mg/Kg)			
71556	1,1,1-Trichloroethane	0.0096				
793 <b>45</b>	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0096	U			
79005	1,1,2-Trichloroethane	0.0096	U			
75343	1,1-Dichloroethane	0.0096	Ŭ U			
75354	1.1-Dichloroethene	0.0096				
107062	1,2-Dichloroethane	0.0096	Ŭ.			
788 <b>75</b> 110 <b>758</b>	1,2-Dichloropropane	0.0096	U			
107028	2-Chloroethylvinylether Acrolein	0.0096 - 0.029	Ų.			
107131	Acrylonitrile	0.029	ij			
71432	Benzene	0.0019	0.0047			
75274	Bromodichloromethane	0.0096	0.00 ii			
75252	Bromoform	0.0096	Ŭ			
74839	Bromomethane	0.0096	Ú U U			
56235_	Carbon tetrachloride	0.0096	Ū			
108907	Chlorobenzene	0.0096	U			
75003	Chloroethane	0.0096	Ü			
67663	Chloroform	0.0096	· <u>Ų</u>			
74873 10061015	Chloromethane	0.0096	ÿ			
124481	Cis-1,3-Dichloropropene Dibromochloromethane	0.0096	. U			
100414	Ethylbenzene	0.00 <del>9</del> 6 0.0019	0.018			
108383	M&n-Xvlenes	0.0019	0.0045			
75092	M&p-Xylenes Methylene chloride	0.0096	-0.0045 -0.0039 JB → ()			
95476	O-Xylene	0.0019	0.0041			
127184	Tetrachloroethene	0.0096	Ü			
108883	Toluene	0.0019	0.0056			
156605	Trans-1,2-Dichloroethene	0.0096	U .			
10061026	Trans-1,3-Dichloropropene	0.0096	ñ -			
79016	Trichloroethene	0.0096	ÿ			
75014	Vinyl chloride	0.0096	U,			

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20291

Matrix: Soil

Client Id: PG-UST2-3-120100S

Initial Volume: 5g

■ Data File: FT4832

Final Volume: NA

Date Analyzed: 9 Dec 2000 21:57

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 52

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000554-14-3	Thiophene, 2-methyl-	9,490	0.066 J
2	000099-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	12.280	0.042 <b>J</b>
3		unknown	12.580	0.078 J
4	* *	unknown	12.820	-0.026 J B U
5	•	unknown	13.460	0.039 J
6	001618-22-0	Naphthalene, decahydro-2,6-dimethyl-	13.660	0.057 J
7	•	unknown	13.740	0.030 <i>J</i>
8		unknown	13.820	0.049 <i>J</i>
9	054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimethyl-	13.890	0.064 <b>J</b>
10		unknown	13.950	0.028 J
11	000091-20-3	Naphthalene	14.020	0.14 <i>J</i>
12		unknown	14.110	0.078 J & U
13		unknown	14.240	0.024 <i>J</i>
14		unknown	14.330	0.060 <b>J</b>
15		unknown	14.460	0.047 J

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20292

Matrix: Soil

Client Id: PG-FILL10-120100SO2B

Initial Volume: 5g

Data File: FT4729

Final Volume: NA

Date Analyzed: 7 Dec 2000 3:44

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 91

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0055	U
79345	1,1,2,2-Tetrachloroethane	0.0055	U
79005	1,1,2-Trichloroethane	0.0055	U
<u>75343</u>	1,1-Dichloroethane	0.0055	U .
75354	1,1-Dichloroethene	0.0055	Ú
107062	1,2-Dichloroethane	0.0055	U
78875	1,2-Dichloropropane	0.0055	Ų
110758	2-Chioroethylvinylether	0.0055	Ŭ
107028	Acrolein	0.016	ŭ
107131	Acrylonitrile	0.0076	· · · · · · · · · · · ·
71432	Benzene	0.0011	טטטטטט
75274	Bromodichloromethane	0.0055	Ų
75252	Bromoform	0.0055	Ų.
74839	Bromomethane	0.0055	Ü
56235	Carbon tetrachloride	0.0055	ÿ
108907	Chlorobenzene	0.0055	. U
75003 67663	Chloroethane Chloroform	0.0055 0.0055	Ü
74873		0.0055	ŭ
10061015	Chloromethane Cis-1,3-Dichloropropene	0.0055	ŭ
124481	Dibromochloromethane	0.0055	Υ.
100414	Ethylbenzene	0.0033	. Н
108383	M&p-Xylenes	0.0022	ĭ
75092	Methylene chloride	0.0055	_0.0096-B ∪
95476	O-Xylene	0.0011	U
127184	Tetrachloroethene	0.0055	ĭi
1088 <b>83</b>	Toluene	0.0011	บั
156605	Trans-1,2-Dichloroethene	0.0055	Ŭ
10061026	Trans-1,3-Dichloropropene	0.0055	. Ŭ
79016	Trichloroethene	0.0055	. Ŭ
75014	Vinyl chloride	0.0055	Ū

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20292

Client Id: PG-FILL10-120100S

Data File: FT4729

Date Analyzed: 7 Dec 2000 3:44

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 91

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	3.970	0.0039 J
2	unknow <b>n</b>	9.650	2010 J B
3	unknown	12.850	0.0082 J B U

Total Tentatively Identified Concentration

0.022

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20293

Matrix: Soil

Client Id: PG-FILL10-120100SO04

Initial Volume: 5g

Data File: FT4767

Final Volume: NA

Date Analyzed: 8 Dec 2000 00:54

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 42

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

71556 1,1,1-Trichloroethane 0.012 U 79345 1,1,2,2-Tetrachloroethane 0.012 U 79005 1,1,2-Trichloroethane 0.012 U	Kg)
75343         1,1-Dichloroethane         0.012         U           75354         1,1-Dichloroethane         0.012         U           107062         1,2-Dichloroethane         0.012         U           78875         1,2-Dichloropropane         0.012         U           110758         2-Chloroethylvinylether         0.012         U           107028         Acrolein         0.036         U           107131         Acrylonitrile         0.016         U           71432         Benzene         0.0024         U           75274         Bromodichloromethane         0.012         U           75252         Bromoform         0.012         U           74839         Bromomethane         0.012         U           56235         Carbon tetrachloride         0.012         U           108907         Chlorobenzene         0.012         U           67663         Chloroform         0.012         U           74873         Chloromethane         0.012         U           10061015         Cis-1,3-Dichloropropene         0.012         U           100414         Ethylbenzene         0.0024         U           108383 <t< td=""><td>U</td></t<>	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20293

Client Id: PG-FILL10-120100S

Data File: FT4767

Date Analyzed: 8 Dec 2000 00:54

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 42

Hit# Cas Numb	er Compound	RT Concentration mg/Kg
1	column bleed	1.920 0.0097 J
2	unknown	3.940 0.028 <i>J</i>
3	unknown	9.650 0.021 <i>J</i>
4	unknown	12.850 <u>0.027, B</u> U

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20294

Matrix: Soil

Client Id: PG-FILL25-120100SO01

Initial Volume: 5g

Data File: FT4768

Final Volume: NA

Date Analyzed: 8 Dec 2000 1:19

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 62

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

71556 1,1,1-Trichloroethane 0.0081 U 79345 1,1,2,2-Tetrachloroethane 0.0081 U 79005 1,1,2-Trichloroethane 0.0081 U 75343 1,1-Dichloroethane 0.0081 U 75354 1,1-Dichloroethane 0.0081 U 107062 1,2-Dichloroethane 0.0081 U 78875 1,2-Dichloroptopane 0.0081 U 110758 2,Chloroethylivillether 0.0081 U	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
10061015 Cis-1,3-Dichloropropene 0.0081 U 124481 Dibromochloromethane 0.0081 U 100414 Ethylbenzene 0.0016 U 108383 M&D-Xvlenes 0.0032 U	71556 79345 79905 75343 75354 107062 78875 110758 107028 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 100414 108383 75092 95476 127184 108883 156605	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethylvinylether Acrylonitrile Benzene Bromodichloromethane Bromodichloromethane Carbon tetrachloride Chloroethane Chloroform Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloroethene	0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0016 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081 0.0081	) 8000000000000000000000000000000000000
79016 Trichloroethene 0.0081 Ü 75014 Vinyl chloride 0.0081 U				Ü

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20294

Client Id: PG-FILL25-120100S

Data File: FT4768

Date Analyzed: 8 Dec 2000 1:19

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 62

Hit# Ca	s Number	Compound	RT	Concentration mg/Kg
1		unknown	9.500	0.0072 J
2	•	unknown	12.850	0.014 J B U

Total Tentatively Identified Concentration

0.021

Control File h:\import\113300.bt

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20295

Matrix: Soil

Client Id: PG-FILL25-120100SO03

Initial Volume: 5g

Data File: FT4772

Final Volume: NA

Date Analyzed: 8 Dec 2000 3:03

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 51

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS# C	Compound	PQL/MDL	Concentration (Units: mg/Kg)
78875 1 110758 2 107028 A 107131 A 71432 B 75274 B 75252 B 56235 C 108907 C 75003 G 67663 C 74873 C 10061015 C 124481 D 100414 E 108383 M 75092 M 95476 O 127184 T 108883 T 156605 T 10061026 T 79016 T	,1,1-Trichloroethane ,1,2,2-Tetrachloroethane ,1,2,2-Trichloroethane ,1-Dichloroethane ,1-Dichloroethane ,1-Dichloroethane ,2-Dichloroethane ,2-Dichloroethane ,2-Dichloroethane ,2-Dichloroethane ,2-Dichloropropane -Chloroethylvinylether crolein crylonitrile denzene bromodichloromethane bromodichloromethane bromodichloromethane bromodichloromethane bromodichloromethane bromomethane browylene etrachloroethene oluene etrachloroethene oluene rans-1,3-Dichloroethene rans-1,3-Dichloroethene rans-1,3-Dichloroethene inyl chloride	0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0029 0.014 0.0020 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098 0.0098	

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20295

Client Id: PG-FILL25-120100S

Data File: FT4772

Date Analyzed: 8 Dec 2000 3:03

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 51

Hit# Cas Nui	mber Compound	RT Con	centration mg/Kg
1	column bleed	1.920	0.012 <b>J</b>
2	unknown	3.970	0.0065 <i>J</i>
3	unknown	5.500	0.0077 <b>J</b>
4	unknown	9.620	0.017 <i>J</i>
5	unknown	10.020	0.0075 <b>J</b>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20296

Matrix: Soil

Client Id: PG-FILL25-120100SO05

Initial Volume: 5g

Data File: FT4791

Final Volume: NA

Date Analyzed: 8 Dec 2000 14:55

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 71

Concentration

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 107028 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 100414 108383 75092 95476 127184 108883 156605 10061026 79016 75014	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloropropene Trichloroethene Trichloroethene Vinyl chloride	0.0070 0.0070 0.0070 0.0070 0.0070 0.0070 0.0070 0.0070 0.0070 0.0014 0.0028 0.0014 0.0028 0.0014 0.0028 0.0014 0.0029 0.0070	) 19 00 00 00 00 00 00 00
•			MA.

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20296

Matrix: Soil

Client Id: PG-FILL25-120100S

Initial Volume: 5g

Data File: FT4791

Final Volume: NA

Date Analyzed: 8 Dec 2000 14:55

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 71

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	9.640	
2	unknown	12.850	0.00 <del>68 J B</del> ()

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20297

Matrix: Soil

Client Id: PG-L-01-120100SO02

Initial Volume: 5q

Data File: FT4771

Final Volume: NA

2010 2 110: ( 1 7 7 7 1

Dilution Factor: 1

Date Analyzed: 8 Dec 2000 2:37

Date Received/Extracted: 12/4/00-NA

Percent Solids: 42

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration CAS# PQL/MDL (Units: mg/Kg) Compound Trichloroethane מככככככככככככככככככככככ 2,2-Tetrachloroethane 2-Trichloroethane Dichloroethane Dichloroethene Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromomethane Carbon tetrachloride Chlorobenzene Chloroform Chloroform Chloroform
Chloromethane
Cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
M&p-Xylenes
Methylene chloride
O-Xylene
Tetrachloroethene
Trans-1,2-Dichloroethene
Trans-1,3-Dichloropropene
Trichloroethene
Vinyl chloride 10061015 100414 8t. <u>ĕ600.0</u>. U 000000 79016 75014

### Total Target Concentration 0.0039

Katala munik Katala

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20297

Matrix: Soil

Client Id: PG-L-01-120100SO0

Initial Volume: 5g

Data File: FT4771

Final Volume: NA

Dilution Factor: 1

Date Analyzed: 8 Dec 2000 2:37 Date Received/Extracted: 12/4/00-NA

Percent Solids: 42

0.055

H	it# Cas Number	Compound	RT	Concentration mg/Kg
	1	column bleed	1.860	0.016 <i>J</i>
	2	unknown	3.970	0.0076 <b>J</b>
	3	unknown	5.500	0.011 <i>J</i>
	4	unknown	9.500	0.0090 <b>J</b>
	5	unknown	12.850	0.011 JB U

Total Tentatively Identified Concentration

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20298

Matrix: Soil

Client Id: PG-L-01-120100SO0

Initial Volume: 5g

Data File: FT4759

Final Volume: NA

Date Analyzed: 7 Dec 2000 21:25

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 79

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	9.620	0.014 J
2 .	unknown	12.840	0.0045 J B ()
3	unknown	13.500	0.0054 J
4	unknown hydrocarbon	13.930	0.0057 <i>J</i>
5	unknown	14.130	0.00427BU
6 003891-98-3	Dodecane, 2,6,10-trimethyl-	14.710	0.0056 <i>J</i>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20300

Matrix: Water

Client Id: PG-FB-2-120100WQ01

Initial Volume: 5ml

Data File: FQ8466

Final Volume: NA

Date Analyzed: 5 Dec 2000 15:01

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 0

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound		Concentration (Units: ug/L )
71556 79345 79005 75343 75354 107062 78875 110758 107728 107731 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75092 95476 127184 108883 156605	1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon telrachloride Chlorobenzene Chloroethane Chloroothane Chloroomethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloroethene	5.0 5.0 5.0 5.0 5.0 5.0 5.0 1.8 1.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	(Units: ug/L)
10061026 79016 75014	Trans-1,3-Dichloropropene Trichloroethene Vinyl chloride	5.0 5.0 5.0	000

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

ist Period Period

Sample Number: AB20300

Client Id: PG-FB-2-120100WQ0

Data File: FQ8466

Date Analyzed: 5 Dec 2000 15:01

Date Received/Extracted: 12/4/00-NA

Matrix: Water

Initial Volume: 5ml

Final Volume: NA

Dilution Factor: 1

Percent Solids: 0

Hit# Cas Number

Compound

RT

Concentration ug/L

No Unknown Compounds Detected

Total Tentatively Identified Concentration

A - Indicates an aldol condensate. J - Indicates an estimated value

B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bd

Sample Number: AB20305

Matrix: Soil

Client Id: PG-PD-5-120200SO01

Initial Volume: 5g

Data File: FT4760

Final Volume: NA

Date Analyzed: 7 Dec 2000 21:51

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 88

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005 75343 75343 75354 107062 78875 110758 107128 107131 71432 75274 75252 74873 108907 75003 67663 74873 10061015 124481 100414 108383 75092 95476 127184 108883 156605 10061026	1,1,1-Trichloroethane 1,1,2-Tretrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromodichloromethane Bromodethane Carbon tetrachloride Chloroethane Chloroform Chloroform Chloroformethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloropropene Trichloroethene Trans-1,3-Dichloropropene	0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0011 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057 0.0057	
79016 75014	Trichloroethene Vinyl chloride	0.0057 0.0057	ู้ บ

U - Indicates the compound was analyzed but not detected. J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20305

Client Id: PG-PD-5-120200SO0

Data File: FT4760

Date Analyzed: 7 Dec 2000 21:51

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 59

Final Volume: NA

Dilution Factor: 1

Percent Solids: 88

Hit# Cas Number

Compound

RT

Concentration mg/Kg

unknown

12.850

Total Tentatively Identified Concentration

0.0038

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bd

Sample Number: AB20306

Matrix: Soil

Client Id: PG-PD-5-120200SO02

Initial Volume: 5g

Data File: FT4761

Final Volume: NA

Date Analyzed: 7 Dec 2000 22:17

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 89

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration (Units: mg/Kg) CAS# Compound **PQL/MDL** ,1-Trichloroethane ,2,2-Tetrachloroethane ,2-Trichloroethane 71556 79345 79005 מכמכמכמכמכמכממככמכ ,1-Dichloroethane ,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Cis-1,3-Dichloropropene
Dibromochloromethane
Ethylbenzene
M&p-Xylenes
Methylene chloride
O-Xylene
Tetrachloroethene
Toluene 10061015 124481 100414 108383 75092 95476 Tetrachioroethene Toluene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Vinyl chloride UUUUU 156605 79016 75014

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20306

Client Id: PG-PD-5-120200SO0

Initial Volume: 5g

Matrix: Soil

Data File: FT4761

Final Volume: NA

Date Analyzed: 7 Dec 2000 22:17

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 89

Hit# Cas	s Number Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0034 <i>J</i>
2	unkṇown	9.470	0.0069 J
3	unknown	9.530	0.0080 <i>J</i>
4	unknown	9.590	0.0045 <i>J</i>
5	unknown	9.620	0.011 J

Total Tentatively Identified Concentration

0.034

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20307

Matrix: Soil

Client Id: PG-PD-4-120200SO05

Initial Volume: 5g

Data File: FT4762

Final Volume: NA

Date Analyzed: 7 Dec 2000 22:44

Dilution Factor: 1

Percent Solids: 82

Date Received/Extracted: 12/4/00-NA Percent Solids
Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	0.0061 0.0061	Ų
79005	1,1,2-Trichioroethane	0.0061	ĭ
75343	1.1-Dichloroethane	0.0061	ŭ
75354	1,1-Dichloroethene	0.0061	) ) )
107062	1,2-Dichloroethane	0.0061	Ŭ
78875	1.2-Dichloropropane	0.0061	
110758	2-Chloroethylvinylether	0.0061	U
107028	Acroiein	0.018	Ų
107131	Acrylonitrile	0.0085	<u>u</u>
71432	Benzene	0.0012	Ŋ.
752 <b>74</b> 752 <b>5</b> 2	Bromodichloromethane Bromoform	0.0061 0.0061	Ų
748 <b>39</b>	Bromomethane	0.0061	ככככ
56235	Carbon tetrachloride	0.0061	γ
108907	Chlorobenzene	0.0061	й,
75003	Chloroethane	0.0061	ŭ
67663	Chloroform	0.0061	U .
74873	Chloromethane	0.0061	U
10061015	Cis-1,3-Dichloropropene	0.0061	. Ū.,
12 <b>4481</b>	Dibromochloromethane	0.0061	<u>u</u>
100414	Ethylbenzene	0.0012	Ų.
108 <b>383</b> 7 <b>5092</b>	M&p-Xylenes Methylene chloride	0.0024 0.0061	<u>-0.0063 в-</u> ()
95476	Q-Xylene	0.0012	<del></del>
127184	Tetrachloroethene	0.0061	ŭ
108883	Toluene	0.0012	ŭ
15 <b>6605</b>	Trans-1,2-Dichloroethene	0.0061	ŭ
10061026	Trans-1,3-Dichloropropene	0.0061	Ū.
79016	Trichloroethene	0.0061	Ū
7501 <b>4</b>	Vinyl chloride	0.0061	U .

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20307

Client Id: PG-PD-4-120200SO0

Data File: FT4762

Date Analyzed: 7 Dec 2000 22:44

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 59

Final Volume: NA

Dilution Factor: 1

Percent Solids: 82

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0037 J
2	unknown	9.670	0.0092 J
3	unknow <b>n</b>	12.850	0.0045 1 B U

Total Tentatively Identified Concentration

0.017

Control File h:\import\113300.bd

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20308

Matrix: Soil

Client Id: PG-A-01-120200SO02

Initial Volume: 59

Data File: FT4766

Final Volume: NA

Date Analyzed: 8 Dec 2000 00:28

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 80

CAS #	nn: Supeico 105 m vocoi d  Compound	oi, 5 mm id, 3.0 um  PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 100414 108383 75092 95476 127184 108883 156605 10061026 79016	1,1Trichloroethane 1,1,2Trichloroethane 1,1,2Trichloroethane 1,1Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromomethane Carbon tetrachloride Chloroethane Chloroform Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&P. Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloropropene Trichloroethene Trans-1,2-Dichloropropene Trichloroethene Trans-1,3-Dichloropropene	0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.019 0.0087 0.0012 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062 0.0062	טרי בר

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20308

Matrix: Soil

Client Id: PG-A-01-120200SO0

Initial Volume: 5g

Data File: FT4766

Final Volume: NA

Date Analyzed: 8 Dec 2000 00:28

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 80

Hit#	Cas Number	Compound	 RT Ca	oncentration mg/Kg
1		unknown	3.980	0.0065 <b>J</b>
2	000110-43-0	2-Heptanone	11,110	0.0039 J
3	001120-21-4	Undecane	12.610	0.014 J
4		unknown	12.850	0.0058 JB U
5	000821-55-6	2-Nonanone	12.950	0.021 J
6	000629-50-5	Tridecane	14.110	0.0065 <i>J</i>

Total Tentatively Identified Concentration

0.058

Control File h:\import\113300.txt

A - Indicates an aidol condensate. J - Indicates an estimated value

B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20309

Matrix: Soil

Client Id: PG-L-04-120200SO01

Initial Volume: 5g

Data File: FT4763

Final Volume: NA

Date Analyzed: 7 Dec 2000 23:10

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 93

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0054	U
79345	1,1,2,2-Tetrachloroethane	0.0054	Ų
79005	1,1,2-Trichloroethane	0.0054	Ņ
75343	1,1-Dichloroethane	0.0054	פנפנננננננננ
75354 107062	1,1-Dichloroethene	0.0054	Ų
788 <b>75</b>	1,2-Dichloroethane	0.0054 0.0054	Ķ
110758	1,2-Dichloropropane 2-Chloroethylvinylether	0.0054	Y
107028	Acrolein	0.0054	H
107131	Acrylonitrile	0.0075	H
71432	Benzene	0.0011	· ii
75274	Bromodichloromethane	0.0054	ŭ
75 <b>252</b>	Bromoform	0.0054	ŭ
74839	Bromomethane	0.0054	. Ū
56235_	Carbon tetrachloride	0.0054	U .
108907	Chlorobenzene	0.0054	บ :
75003	Chloroethane	0.0054	, Ų
67663	Chloroform	0.0054	ŭ
74873 10061015	Chloromethane	0.0054	Ų
124481	Cis-1,3-Dichloropropene Dibromochloromethane	0.0054 0.0054	Ü
100414	Ethylbenzene	0.0034	Y
108383	M&n_Xvlenes	0.0022	Y
75092	M&p-Xylenes Methylene chloride	0.0054	-0.0073 B U
95476	O-Xylene	0.0011	200010
127184	Tetrachloroethene	0.0054	ŭ
108883	Toluene	0.0011	Ŭ
156605	Trans-1,2-Dichloroethene	0.0054	Ŭ
10061026	Trans-1,3-Dichloropropene	0.0054	Ú
79016	Trichloroethene	0.0054	Ŭ -
75014	Vinyl chloride	0.0054	U

U - Indicates the compound was analyted but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20309

Matrix: Soil

Client Id: PG-L-04-120200SO0

Initial Volume: 5g

Data File: FT4763

Final Volume: NA

Date Analyzed: 7 Dec 2000 23:10

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 93

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0043 J
2	unknown	12.850	0.0034 J G U

Total Tentatively Identified Concentration

0.0077

Control File h:\import\113300.txt

A - Indicates an aldoi condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20310

Matrix: Soil

Client Id: PG-L-04-120200SO04

Initial Volume: 5g

Data File: FT4764

Final Volume: NA

Date Analyzed: 7 Dec 2000 23:36

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 81

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0062	U
79345	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0062	Ü
79005	1,1,2-Trichloroethane	0.0062	Ú
75343	1,1-Dichloroethane	0.0062	טטטטטטטטטטטט
75354	1,1-Dichloroethene	0.0062	Ų
107062	1,2-Dichloroethane	0.0062	y
78875	1,2-Dichloropropane	0.0062	ប្ត
110758	2-Chloroethylvinylether	0.0062	ÿ
107028	Acrolein	0.019	ប្ត
107131	Acrylonitrile	0.0086	ų
71432	Benzene Browndishlaramethana	0.0012	Ņ,
75274	Bromodichloromethane	0.0062	Ŋ
75252	Bromoform	0.0062	נעכענענענייי
74839 5 <b>6235</b>	Bromomethane Carbon tetrachloride	0.0062 0.0062	y,
108907	Chlorobenzene	0.0062	Ņ
75003	Chloroethane	0.0062	ដ
67663	Chloroform	0.0062	Ŋ
74873	Chloromethane	0.0062	K
10061015	Cis-1,3-Dichloropropene	0.0062	ĭ,
124481	Dibromochloromethane	0.0062	X
100414	Ethylbenzene	0.0012	. ห
10838 <b>3</b>	M&n-Xvienes	0.0025	ŭ.
75092	M&p-Xylenes Methylene chloride	0.0062	0.008 <del>3 B</del> ()
95476	O-Xylene	0.0012	<u> </u>
127184	Tetrachloroethene	0.0062	Ŭ
108883	Toluene	0.0012	Ŭ
156605	Trans-1,2-Dichloroethene	0.0062	Ŭ
100610 <b>26</b>	Trans-1,3-Dichloropropene	0.0062	Ū
79016	Trichloroethene	0.0062	Ů
75014	Vinyl chloride	0.0062	Ū

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20310

Client Id: PG-L-04-120200SO0

Data File: FT4764

Date Analyzed: 7 Dec 2000 23:36

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 81

Hit# Cas Number

Compound

Concentration mg/Kg

unknown

5.500

0.0044

0.0044 J

Total Tentatively Identified Concentration

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.txt

Sample Number: AB20311

Matrix: Soil

Client Id: PG-L-05-120200SO02

Initial Volume: 5g

Data File: FT4765

Final Volume: NA

Date Analyzed: 8 Dec 2000 00:02

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 89

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
•	71556	1,1,1-Trichloroethane	0.0056	U
	79345	1,1,2,2-Tetrachioroethane	0.0056	<u>u</u>
	79005	1,1,2-Trichloroethane	0.0056	Ų.
	75343 75354	1,1-Dichloroethane	0.0056	ប្រ
	107062	1,1-Dichloroethene	0.0056 0.0056	Ū U
	78875	1,2-Dichloroethane	0.0056	ŭ
	110758	1,2-Dichloropropane 2-Chloroethylvinylether	0.0056	Ŭ.
	107028	Acrolein	0.017	ŭ
	107131	Acrylonitrile	0.0078	, Ŭ
	71432	Benzene	0.0011	. Ŭ
	75274	Bromodichloromethane	0.0056	כפטינ
	75252	Bromoform	0.0056	U
	74839	Bromomethane	0.0056	Ų
	56235	Carbon tetrachloride	0.0056	Ų į
	108907	Chlorobenzene	0.0056	ų,
	75003 67663	Chloroethane Chloroform	0.0056 0.0056	Ü
	74873	Chloromethane	0.0056	ŭ
	10061015	Cis-1 3-Dichloropropene	0.0056	ŭ
	124481	Cis-1,3-Dichloropropene Dibromochloromethane	0.0056	ŭ
	100414	Ethylbenzene	0.0011	ំ ប័
	108383	M&p-Xylenes	0.0022	Ŭ.
	75092	Methylene chloride	0.0056	-0.0071 B - U
	95476	Q-Xylene	0.0011	Ų
	127184	i etrachioroethene	0.0056	<u>ų</u>
	108 <b>883</b> 156605	Toluene	0.0011 0.0056	ų.
	10061026	Trans-1,2-Dichloroethene	0.00 <del>5</del> 6	H .
	79016	Trans-1,3-Dichloropropene Trichloroethene	0.0056	ĭ
	75014	Vinyl chloride	0.0056	ŭ
				-

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20311

Matrix: Soil

Client Id: PG-L-05-120200SO0

Initial Volume: 5g

Data File: FT4765

Final Volume: NA

Date Analyzed: 8 Dec 2000 00:02

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 89

Hit# Cas Number	Compound	RT	Concentration mg/Kg
1	unknown	5.500	0.0040 J
2	unknown	9.510	0.016 J
3	unknown	9.640	0.013 <i>J</i>
4	unknown	12 850	-0.0045 z G

Total Tentatively Identified Concentration

0.038

A - Indicates an aldol condensate. J - Indicates an estimated value

B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20312

Matrix: Soil

Client Id: PG-L-05-120200SO05

Initial Volume: 5g

Data File: FT4782

Final Volume: NA

Date Analyzed: 8 Dec 2000 11:02

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 84

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0,0060	U
79345	1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0,0060	Ū
79005	1,1,2-Trichloroethane	0.0060	U
75343	1.1-Dichioroethane	0.0060	ככככככככככ
75354	1,1-Dichloroethene	0.0060	υ
107062	1,2-Dichloroethane	0.0060	Ų.
78875_	1,2-Dichloropropane	0.0060	ŭ
110758	2-Chloroethylvinylether	0.0060	Ų
107028	Acrolein	0.018	ņ
107131	Acrylonitrile	0.0082	Ų
71432	Benzene	0.0012	. <u>U</u>
75274	Bromodichloromethane	0.0060	Ų
75252	Bromoform	0.0060	Ų
74839	Bromomethane	0.0060	ñ
56235	Carbon tetrachloride	0.0060	
108907	Chlorobenzene	0.0060	Ų
75003	Chloroethane	0.0060	Ņ
67663	Chloroform	0.0060	Ü
74873	Chloromethane	0.0060	ÿ
10061015 124481	Cis-1,3-Dichloropropene	0.0060	ÿ
100414	Dibromochloromethane Ethylbenzene	0.0060 0.0012	Ŭ .
108383	M&n-Yvlenee	0.0012	H
75092	M&p-Xylenes Methylene chloride	0.0024	<del>-0.0042 JB</del> ∪
95476	O-Xviene	0.0012	Ü
127184	O-Xylene Tetrachloroethene	0.0060	ŭ
108883	Toluene	0.0012	ŭ
156605	Trans-1.2-Dichloroethene	0 0060	ŭ
10061026	Trans-1,3-Dichloropropene Trichloroethene	0.0060	Ŭ
79016	Trichloroethene	0.0060	Ŭ
75014	Vinyl chloride	0.0060	Ŭ

U - Indicates the compound was analyzed but not detected.

J - Indicates on estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20312

Matrix: Soil

Client Id: PG-L-05-120200SO0

Initial Volume: 5g

Data File: FT4782

Final Volume: NA

Date Analyzed: 8 Dec 2000 11:02

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 84

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	5.460	0.0044 J
2	000541-05-9	Cyclotrisiloxane, hexamethyl-	8.900	0.016 J
3		unknown	9.670	0.0081 <del>J B</del> ∪
4	000556-67-2	Cyclotetrasiloxane, octamethyl-	11.410	0.011 <i>J</i>
5		unknown	12.850	-0.0055 J B U

Total Tentatively Identified Concentration

0.045

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20313

Matrix: Soil

Client Id: PG-D-04-120200SO01

Initial Volume: 5g

Data File: FT4824

Final Volume: NA

Date Analyzed: 9 Dec 2000 18:30

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 85

Column: Supelco 105 m vocol col.,5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005 79343 75354 107062 78875 110758 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75092 95476 127184 108883 156605 10061026 79016	1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropane 2-Chloroethylvinylether Acroiein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloroethane Chloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Toluene Trans-1,2-Dichloropropene Trichloroethene Trichloroethene Trichloroethene Vinyl chloride	0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.012 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059 0.0059	ے 19 19 19 19 19 19

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20313

Matrix: Soil

Client Id: PG-D-04-120200SO0

Initial Volume: 5g

Data File: FT4824

Final Volume: NA

Dilution Factor: 1

Date Analyzed: 9 Dec 2000 18:30

0.018

Date Received/Extracted: 12/4/00-NA

Percent Solids: 85

Hit# C	as Number Com	pound		 RT Ca	oncentration mg/Kg
1	unkr	own		 9.480	0.0067 J
2	unkr	own		9.640	0.0056 JA U
3	unkr	own	**	12.820	0.0052 J B U

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate,
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20314

Matrix: Soil

Client Id: PG-D-4A-120200SO05

Initial Volume: 5g

Data File: FT4784

Final Volume: NA

Date Analyzed: 8 Dec 2000 11:54

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 77

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005 75343 75354 107062 78875 110758 107028 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75092 95476 127184 108383 75092 95476 127184 108883 15092 79016 75014	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chloroform Chloromethane Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Trans-1,2-Dichloroethene Trans-1,3-Dichloropropene Trichloroethene Tichloroethene Trichloroethene	0.0065 0.0065	ברכרכר ברכר ברכר ברכר ברכר ברכר ברכר בר

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument

Sample Number: AB20314

Matrix: Soil

Client Id: PG-D-4A-120200SO0

Initial Volume: 5g

Data File: FT4784

Final Volume: NA

Date Analyzed: 8 Dec 2000 11:54

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 77

Hit# Cas Number	Compound		RT	Concentration mg/Kg
1	unknown		9.520	_0012 J Ps ()
2	unknown		9.560	0.0073 <b>J</b>
, <b>3</b>	unknown		9.620	1.0086 J B U
4,	unknown		9.680	0.0076 J G
5	unknown	and the second s	12.850	0.0050 J B

Total Tentatively Identified Concentration

0.041

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20315

Matrix: Soil

Client Id: PG-RR10-120200SO02

Initial Volume: 5g

Data File: FT4789

Final Volume: NA

Date Analyzed: 8 Dec 2000 14:04

Dilution Factor: 1

Percent Solids: 74

Date Received/Extracted: 12/4/00-NA Percent Solids
Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556	1,1,1-Trichloroethane	0.0068	U
79345	1,1,2,2-Tetrachloroethane	0.0068	Ū
79 <b>005</b>	1,1,2-Trichloroethane	0.0068	U
75343	1,1-Dichloroethane	0.0068	כככככככככככככככ
75354	1,1-Dichloroethene	0.0068	U
107062	1,2-Dichloroethane	0.0068	U
78875	1.2-Dichloropropane	0.0068	Ų
110758	2-Unioroethylvinylether	0.0068	Ų .
107028	Acrolein	_0.020	ŭ
107131	Acrylonitrile	0.0094	U
71432	Benzene	0.0014	Ų
752 <b>74</b>	Bromodichloromethane	0.0068	Ų.
75252	Bromoform	0.0068	Ų
74839	Bromomethane Carbon tetrachloride	0.0068	. Ų
56235	Carbon tetrachlonde	0.0068	ŭ
108907	Chiorobenzene	0.0068	ŭ
75003	Chloroethane	0.0068	Ņ.
67663	Chloroform	0.0068	y
74873	Chloromethane	0.0068	<u>ų</u>
10061015	Cis-1,3-Dichloropropene Dibromochloromethane	0.0068	ÿ
124481	Dipromocnioromethane	0.0068	
100414	Ethylbenzene	0.0014	ÿ
108383 75092	M&p-Xylenes	0.0027	0.0047 (D. (.)
95476	Methyléne chloride	0.0068	_0.004 <del>7.JB</del> U
127184	O-Xylene Tetrachloroethene	0.0014	U
108883	Toluene	0.0068 0.0014	· V
156605	Trans-1,2-Dichloroethene	0.0068	X
10061026	Trans-1,3-Dichloropropene	0.0068	ប
79016	Trichloroethene	0.0068	<b></b>
75014	Vinyl chloride	0.0068	ĭi

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20315

Client Id: PG-RR10-120200SO0

Data File: FT4789

Date Analyzed: 8 Dec 2000 14:04

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 74

Hit# Cas Number	Compound	 RT	Concentration mg/Kg
1	unknown	9.450	0.0091 J
2	unknown	9.500	0.014 J B U
, <b>3</b>	unknown	9.580	0.012 <i>J</i>
4	unknown	9.660	0 <del>.0083 <i>J - 6</i> -</del> U
5	unknown	12.850	0.0057 j B U
6	unknown	14.130	0.0049 J

Total Tentatively Identified Concentration

0.054

Control File h:\import\113300.bd

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20316

Matrix: Soil

Client Id: PG-RR10-120200SO05

Initial Volume: 5g

Data File: FT4792

Final Volume: NA

Date Analyzed: 8 Dec 2000 15:21

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 76

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

	tration
CAS # Compound PQL/MDL (Units: n	
71556 1,1,1-Trichloroethane 0.0066 U	
79345 1.1.2,2- retrachioroethane 0.0066 U	
79055         1,1,2-Trichloroethane         0.0066         U           75343         1,1-Dichloroethane         0.0066         U           75354         1,1-Dichloroethane         0.0066         U           107062         1,2-Dichloroethane         0.0066         U           78875         1,2-Dichloropropane         0.0066         U           10758         2-Chloroethylvinylether         0.0066         U           107028         Acrolein         0.020         U	
75343 1,1-Dichloroethane 0.0066 U	
75354 1,1-Dichloroethene 0.0066 U	
107062 1,2-Dichloroethane 0.0066 U	
107062 1,2-Dichloroethane 0.0066 U 78875 1,2-Dichloropropane 0.0066 U 110758 2-Chloroethylvinylether 0.0066 U	
110758 2-Chloroethylvinylether 0.0066 U	
107028 Acrolein 0.020 U 107131 Acrylonitrile 0.0091 U	
107131         Acrylonitrile         0.0091         U           71432         Benzene         0.0013         U           75274         Bromodichloromethane         0.0066         U           75252         Bromoform         0.0066         U           74839         Bromomethane         0.0066         U           56235         Carbon tetrachloride         0.0066         U           108907         Chlorotemee         0.0066         U           75003         Chlorotema         0.0066         U           67663         Chloroform         0.0066         U           74873         Chloromethane         0.0066         U	
71432 Benzene 0.0013 U 75274 Bromodichloromethane 0.0066 U	
75252 Bromoform 0.0066 U	
74839 Bromomethane 0,0066 U	
74839 Bromometnane 0.0066 U 56235 Carbon tetrachloride 0.0066 U 108907 Chloropenzane 0.0066 U	
108907 Chlorobenzene 0,0066 U	
75003 Chloroethane 0,0066 U	
67663 Chloroform 0.0066 U	
10061015 Cis-1,3-Dichloropropene 0.0066 U 124481 Dibromochloromethane 0.0066 U	
124481 Dibromochloromethane 0.0066 U	
100414 Ethylbenzene 0.0013 U	
108383 M&p-Xylenes 0.0026 0.0017 75092 Methylene chloride 0.0066 0.0067	J <del>R</del> -U
75092 Methylene chloride 0.0066 <u>0.0067</u> 95476 O-Xylene 0.0013 U	ъ. <b>С</b>
95476 O-Xylene 0.0013 U 127184 Tetrachloroethene 0.0066 U	
156605 Trans-1,2-Dichloroethene 0.0066 U	
108883 Toluene 0,0013 U 156605 Trans-1,2-Dichloroethene 0,0066 U 10061026 Trans-1,3-Dichloropropene 0,0066 U	
10061026 Trans-1,3-Dichloropropene 0,0066 U 79016 Trichloroethene 0,0066 U	
79016 Trichloroethene 0.0066 U 75014 Vinyl chloride 0.0066 U	

U - Indicates the compound was analyzed but not detected. J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20316

Matrix: Soil

Client Id: PG-RR10-120200SO0

Initial Volume: 5g

Data File: FT4792

Final Volume: NA

Date Analyzed: 8 Dec 2000 15:21

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 76

1 2	Cas Number	Compound	RT	Concentration mg/Kg
2		unknown	4.240	0.011 J
	•	unknown	6.250	0.013 J
3		unknown	8.460	0.015 J B
4	000066-25-1	Hexanal	10.020	0.030 <i>J</i>
5	000110-43-0	2-Heptanone	11,110	0.018 <i>J</i>
6	000111-71-7	Heptanal	11.200	0.074 J
7	000124-13-0	Octanal	12.190	0.C18 J
8 .		unknown	12.760	0.019 <b>J</b>
9	000111-13-7	2-Octanone	12.950	0.032 J
10	000124-19-6	Nonanal	13.040	0.029 J
11		unknown	14.120	0.0083 J
12	001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	14.280	0.014 J
13	000112-12-9	2-Undecanone	14.470	0.056 <i>J</i>
14	000124-25-4	Tetradecanal	14.570	0.0081 <i>J</i>
15	014128-61-1	2-Hexanone, 5-methyl-5-phenyl-	14.680	0.029 <i>J</i>

Total Tentatively Identified Concentration

0.37

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20317

Matrix: Soil

Client Id: PG-FILL08-120200SO01

Initial Volume: 5g

Data File: FT4785

Final Volume: NA

Date Analyzed: 8 Dec 2000 12:20

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 84

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

_	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
_	71556	1,1,1-Trichloroethane	0,0060	U
	79345	1,1,2,2-Tetrachloroethane	0.0060	U
	79005	1,1,2-Trichloroethane	0.0060	Ú
	75343	1,1-Dichloroethane	0.0060	Ų
	75354	1,1-Dichloroethene	0.0060	ั้ม
	107062	1,2-Dichloroethane	0.0060	Ü
	788 <b>7</b> 5 110758	1,2-Dichloropropane	0.0060	
	107028	2-Chloroethylvinylether Acrolein	0.0060	
	107131	Acrylonitrile	0.018 0.0082	H
	71432	Benzene	0.0012	ĭ
	75274	Bromodichloromethane	0.0060	ŭ
	75252	Bromoform	0.0060	ŭ
	74839	Bromomethane	0.0060	ŭ
	56235	Carbon tetrachloride	0.0060	·· ŭ
	108907	Chlorobenzene	0. <b>0060</b>	U
	75003	Chloroethane	0.0060	U
	67663	Chloroform	0.0060	U
	74873	Chloromethane	0.0060	Ų
	10061015	Cis-1,3-Dichloropropene	0.0060	· . U
	124481 100414	Dibromochloromethane	0.0060	Ų.
	108383	Ethylbenzene	0.0012	Ŋ.
	75092	M&p-Xylenes Methylene chloride	0.002 <b>4</b> 0.0060	0.00 <del>37 JB</del> ()
	95476	O-Xylene	0.0012	U 0000
	127184	Tetrachloroethene	0.0060	й
	108883	Toluene	0.0012	ប័
	156605	Trans-1,2-Dichloroethene	0.0060	ŭ
	10061026	Trans-1,3-Dichloropropene	0.0060	Ū
	79016	Trichloroethene	0.0060	, a di
	75014	Vinyl chloride	0.0060	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20317

Client Id: PG-FILL08-120200S

Data File: FT4785

Date Analyzed: 8 Dec 2000 12:20

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 84

H	it#	Cas Number	Compound	RT	Concentration mg/Kg
	1		unknown	5.460	0.0036 <i>J</i>
	2	.*	unknown	9.610	0.013 J BU
•	3		unknown	12.850	0: <del>0053 J B</del> V

Total Tentatively Identified Concentration

0.022

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\113300.bd

Sample Number: AB20318

Matrix: Soil

Client Id: PG-FILL08-120200SO04

Initial Volume: 5g

Data File: FT4786

Final Volume: NA

Date Analyzed: 8 Dec 2000 12:46

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 48

Column: Supelco 105 m vocol col., 5 mm id, 3.0 um film

CAS #	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79345 79345 75343 75354 107062 78875 110758 107028 107131 71432 75274 75252 74839 56235 108907 75003 67663 74873 10061015 124481 108383 75927 108883 75927 127184 108883 156605 10061026 79014	1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloropethane 1,2-Dichloropropane 2-Chloroethylvinylether Acrolein Acrylonitrile Benzene Bromodichloromethane Bromoform Bromomethane Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroform Chloromethane Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene M&p-Xylenes Methylene chloride O-Xylene Tetrachloroethene Trans-1,2-Dichloropropene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Trichloroethene Vinyl chloride	0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.014 0.0021 0.010	00000000000000000000000000000000000000

### Total Target Concentration 0.0069

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20318

Client Id: PG-FILL08-120200S

Data File: FT4786

Date Analyzed: 8 Dec 2000 12:46

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 48

Hit# Cas Number	Compound		RT	Concentration mg/Kg
1	unknown	. 4	9.500	0.028 J & U
. 2	unknown		9.550	0.011 J
· <b>3</b>	unknown	A Commence of the second	9.640	0.021 J B U
4	unknown		12.850	0. <del>0089 J &amp;</del> V

Total Tentatively Identified Concentration

0.069

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20319

Matrix: Soil

Client Id: PG-H/R-01-120200SO01

Initial Volume: 5g

Data File: FT4787

Final Volume: NA

Date Analyzed: 8 Dec 2000 13:12

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 73

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
71556 79345 79005	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	0.0068 0.0068 0.0068	U
75343	1.1-Dichloroethane	0.0068	כככככ
75354	1,1-Dichloroethene	0.0068	ŭ
10 <b>7062</b> 788 <b>75</b>	1,2-Dichloroethane	0.0068	Ŋ
110758	1,2-Dichloropropane 2-Chloroethylvinylether	0.0068 0.0068	Ŭ
107028	Acrolein	0.021	Ŭ
107131	Acrylonitrile	0.0095	ប៊
71432	Benzene	0.0014	'n.
752 <b>74</b> 75252	Bromodichloromethane Bromoform	0.0068 0.0068	Ŭ
7483 <b>9</b>	Bromomethane	0.008	ប
56 <b>23</b> 5	Carbon tetrachloride	0.0068	Ú
108907	Chlorobenzene	0.0068	Ü
75003 67663	Chloroethane Chloroform	0.0068 0.0068	U
74873	Chloromethane	0.0068	ŭ
10061015	Cis-1,3-Dichloropropene	0.0068	Ŭ
124481	Dibromochloromethane	0.0068	Ų
100414 108383	Ethylbenzene Man Yylonos	0.001 <b>4</b> 0.0027	Ņ
75092	M&p-Xylenes Methylene chloride	0.0027	_0. <del>0035_JB_</del> _()
95476	O-Xylene	0.0014	
127184	i etrachioroethene	0.0068	<u>ų</u>
108883 156605	Toluene Trans-1,2-Dichloroethene	0.00 <b>14</b> 0.0068	Y
10061026	Trans-1,3-Dichloropropene	0.0068	· й
79016	Trichloroethene	0.0068	Ŭ
75014	Vinyl chloride	0.0068	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20319

Client Id: PG-H/R-01-120200S

Data File: FT4787

Date Analyzed: 8 Dec 2000 13:12

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 73

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	5.460	0.0042 J
2		unknown	9.670	D.0063 J P (
3		unknown	12.850	0.0062 J B U

Total Tentatively Identified Concentration

0.017

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20320

Matrix: Soil

Client Id: PG-H/R-01-120200SO02

Initial Volume: 59

Data File: FT4788

Final Volume: NA

Date Analyzed: 8 Dec 2000 13:38

Dilution Factor: 1

Date Received/Extracted: 12/4/00-NA

Percent Solids: 50

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
_	71556	1,1,1-Trichloroethane	0.010	U
	79345	1,1,2,2-Tetrachloroethane	0.010	ŭ
	79005	1,1,2-Trichloroethane	0.010	. !!
	753 <b>43</b> 75354	1,1-Dichloroethane	0.010	ប្ត
	107062	1,1-Dichloroethene 1,2-Dichloroethane	0.010 0.010	Ų
	788 <b>75</b>	1,2-Dichloropropane	0.010	Й
	110758	2-Chloroethylvinylether	0.010	ŭ
	107028	Acrolein	0.030	ŏ
	107131	Acrylonitrile	0.014	ប័
	71432	Benzene	0.0020	מבמממממממממט
	75274	Bromodichloromethane	0.010	Ü
	75252	Bromoform	0.010	Ū
	74839	Bromomethane Promomethane	0.010	υ
	56235	Carbon tetrachioride	0.010	U
	108907	Chlorobenzene	0.010	ŭ
	75003	Chloroethane	0.010	, <u>u</u>
	67 <b>663</b>	Chloroform	0.010	<u>y</u>
	74873	Chloromethane	0.010	<u>ū</u>
	10061015 124481	Cis-1,3-Dichloropropene	0.010	Ÿ
•	100414	Dibromochloromethane Ethylbenzene	0.010 0.0020	Ņ
	108383	Man Yulones	0.0040	Y
	75092	M&p-Xylenes Methylene chloride	0.010	<del>0.0068 1B-</del> ()
	95476	O-Xylene	0.0020	2,0000 30
	127184	Tetrachloroethene	0.010	ĭi
	108883	Toluene	0.0020	ŭ
	156605	Trans-1,2-Dichloroethene	0.010	ŭ
	10061026	Trans-1,3-Dichloropropene	0.010	Ŭ
٠.	79016	Trichloroethene	0.010	. Ŭ
	75014	Vinyl chloride	0.010	Ū .

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20320

Client Id: PG-H/R-01-120200S

Data File: FT4788

Date Analyzed: 8 Dec 2000 13:38

Date Received/Extracted: 12/4/00-NA

Matrix: Soil

Initial Volume: 5g

Final Volume: NA

Dilution Factor: 1

Percent Solids: 50

Hit# Cas N	umber Compound	RT	Concentration mg/Kg
1	unknown	9.470	0.021 J
2	unknown	9.530	0.013 J B U
3	unknown	9.600	0.018 J B V
4	unknown	9.680	0.0147 Q U
5	unknown	12.850	-0.0069 J S U

Total Tentatively Identified Concentration

0.073

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20277

Matrix: Soil

Client Id: PG-G-05-120100SO03

Initial Volume: 30g

Data File: FS3671

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:55

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

Coll CAS #	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol	0.21	U
95501	1,2-Dichlorobenzene	0.21	. Ū
122667	1,2-Diphenylhydrazine	0.041	Ŭ
541731 106467	1,3-Dichlorobenzene	0.21 0.21	Ų
88062	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chlorophenol 2-Nitrophenol 2-Nitrophenol 2-Nitrophenol	0.21	נכככככככככככככככככככ
120832	2,4,0-17ichlorophenol	0.21 0.21	Y
105679	2,4-Dimethylphenol	0.21	K
51285	2.4-Dinitrophenol	0.21	ĭ
121142	2 4-Dinitrololuene	0.41 0.21	· ii
606202	2 6-Dinitrotoluene	0.21 0.21	ŭ
91587 95578	2-Chloronaphthalene	0.21 0.21 0.21 0.21	ŭ
95578	2-Chlorophenol	0.21	ប័
88755	2-Nitrophenol	0.21	Ū
91941	3,3'-Dichlorobenzidine	0.21	Ü
121142 101553	4,6-Dinitro-2-mathylphenol	0.21	Ü
101553	4-Bromophenyl-phenylether	0.21	U
59 <b>507</b> 70 <b>05723</b>	4-Chloro-3-methylphenol	0.21 0,21	υ
7005723	4-Chlorophenyl-phenylether	0.21	U
100027	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Brornophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthene Acenaphthylene Anthracene Benzolalanthracene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolbilluoranthene Benzolkifluoranthene Bis(2-Chloroethyl)Ether Bis(2-Chloroethyl)Ether Bis(2-Chlorosy)phthalate Butylbenzylphthalate Chrysene Di-n-octylphthalate	0.21	U
83329	Acenaphthene	0.21	U
208968	Acenaphthylene	0.21 0.21	Ų
120127 92875	Anthracene	0.21	Ų.
56553	Benzidine	0.41	
50328	Benzolalavropo	0.21 0.21	0.44
205992	Benzolhiliuoranthene	0.21	0.14 J
191242	Renzola h ilnerviene	0.21	$\mathcal{G}^{-}$
207089	Benzolkifluoranthene	0.21 0.21	ŭ
111911	Bis(2-Chloroethoxy)methane	0.21	υ
111444	Bis(2-Chloroethyl)Ether	0.21	ŭ
108601	Bis(2-Chloroisopropyl)ether	0.21 0.21 0.21	
117817	Bis(2-Ethylhexyl)phthalate	0 2 i	0.093 JB U
85 <b>6</b> 87	Butylbenzylphthálate	0.21	u -
218019	Chrysene `	0.21 0.21 0.21	Ū
117840	DI-n-octylphthalate	0.21	0.058 J
84742	Di-n-butylphthalate	0.21	0.058 J
53703	Olrysene DI-n-octylphthalate DI-n-butylphthalate Dibenzola, h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.21	. <u>U</u>
84662	Diethylphthalate	0.21	ÿ
131113	Dimetnyiphthalate	0.21	2 2 0
206440	Fluoranthene	0.21	0.080 J
86737 118741	Fluorene Hexachlorobenzene	0.21	0.088 J
87683	Hexachlorobutadiene	0.21 0.21	ŭ
77474	Heyachlorocyclopentadiene	0.62	ŭ
67721	Hexachlorocyclopentadiene Hexachloroethane	0.21	ň
193395	Indeno(1,2,3-cd)pyrene	0.21	й
78591	indeno[1,2,3-cd]pyrene isophorone	η̈́ 21	ĭi
621647	N-Nitroso-Di-N-Propylamine N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene Nitrohapene	0.21 0.21 0.21	ככניכים
62759	N-Nitrosodimethylamine	0.21	ប័
86306 91203	N-Nitrosodiphenvlamine	0.21 0.21	ΰ
91203	Naphthalene	0.21	Ŭ
98953	THE ODE IZENE	0.21	ŭ
87865	Pentachiorophenol	. 0.21	Ŭ
85018	Phenanthrene	0.21	0.052 J
108952	Phenol	0.21	n in

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument

## Form1e/1f organics semivolatile report Tentatively Identified Compounds

Sample Number: AB20277

Matrix: Soil

Client Id: PG-G-05-120100SO0

Initial Volume: 30g

Data File: FS3671

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:55

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percen	t Soi	uas:	"ס

Hit	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.270	1.87 f3 U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.640	30.J. ABV
3	•	unknown	4.450	121BU
4	000084-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth	9.260	0.17 J
5	010544-50-0	Sulfur, mol. (S8)	10.430	0.23 J
. 6	006624-79-9	1-Dotriacontanol	12.750	0.39 <i>J</i>

Total Tentatively Identified Concentration

34

A - Indicates an aldol condensate.

J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20278(2X)

Matrix: Soil

Client Id: PG-G-06-120100SO03

Initial Volume: 30g

Data File: FU2694

Final Volume: 4ml

Date Analyzed: 11 Dec 2000 16:32

Dilution Factor: 2

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 86

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
•	120821	1,2,4-Trichlorobenzene	1.6	U U
	95501	1,2-Dichlorobenzene	1.6	U
	122667 541731	1,2-Diphenylhydrazine	0.31	U ···
		1,3-Dichlorobenzene	1.6	Ū U U
	106467	1,4-Dichlorobenzene	1.6	Ü
	88062	2,4,6-Trichlorophenol	1.6	Ņ
	120832	2,4-Dichlorophenol 2,4-Dimethylphenol	1.6	Ü
	105679	2,4-Dimethylphenol	1.6	Ņ
	51285	2,4-Dintrophenoi	3.1	Y.
	121142 606202	2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene	1.6 1.6	כככככככככ
	01597	2,0-Diminoloiderie	1.6 1.6	Ķ
	91 <b>587</b> 95578	2-Chloronaphthalene 2-Chlorophenol	1.6	ä
	88755	2-Nitrophenol	1.6	ŭ
	91941	2-Nitrophenol 3,3'-Dichlorobenzidine	1.6	ŭ ·
	121142	4 (i. linkto-2-methylnheng)	1,6	ŭ
	101553	4-Bromophenyl-phenylether	1.6	Ŭ
	59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	1.6	Ŭ
	7005723	4-Chlorophenyl-phenylether	1.6	, ' Ŭ
	100027	4-Chlorophenyl-phenylether 4-Nitrophenol	1.6	. ່ ປູ
	83329	Acenaphthene	1.6	ับ ·
	208968	Acenaphthylene	1.6 1.6	_2,3
	120127 92875	Anthracene	1.6	0.48 J
	92875 56553	Benzidine	3.1	200
	50328	Benzolalanthracene	1.6 1.6	0.85 J
	205992	Benzola pyrene Benzola jiuoranthene Benzola h, iperylene Benzola jiuoranthene	1.6	1.2 J 2.2 1.8
	191242	Benzola h ilperviene	1.6	1.8
	207089	Benzolkifiuoranthene	1.6 1.6	ijj
	111911	Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Buddhenzylphthalate	1.6	ິນ
	111444	Bis(2-Chloroethyl)Ether	1.6	U
	108601	Bis(2-Chloroisopropyl)ether	1.6	U
	117817	Bis(2-Ethylhexyl)phthalate	1.6	0.34_IB ()
	85687	Datylbertzylpritrialate	1.6	Ų
	218019 117840	Chrysene DI-n-octylphthalate	1.6 1.6	0.71 ( )
	84742	Di-n-hutvinhthalate	1.6	31100
	53703	Dibenzola,hlAnthracene Diethylphthalate	1.6	ŭ
	53703 84662	Diethylphthalate	1.6	ŭ
	131113	Dimethylphthalate Fluoranthene	1.6	U
	206440	Fluoranthene	1.6	0.87 J
	86737	Fluorene	1.6	ŭ
	118741	Hexachlorobenzene	1.6	Ŭ
	87683 77474	Hexachlorobutadiene	1.6	Ŭ
	67721	Hevachloroethane	4.7 1.6	ŭ
	193395	Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene	1.6	1.0 J
	78591	ISODOOLODA	1.6	ii
	621647	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	1.6	Ü
	62759 86306	N-Nitrosodimethylamine	1.6	Ŭ
	86306	N-Mitrosogiphenylamine	1.6	U U U
	91203 98953	Naphthalene	1.6	Ų
	98953	Nitrobenzene	1.6	
	87865	Pentachiorophenol	1.6	O SA I
	85018 108952	Phenanthrene Phenol	1.6 1.6	0.51 J
	129000	Pyrene	1.6	2.5
	, 20000	· 7:0016	1.0	4.5

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20278(2X)

Matrix: Soil

Client Id: PG-G-06-120100SO0

Initial Volume: 30g

Data File: FU2694

Final Volume: 4ml

Date Analyzed: 11 Dec 2000 16:32

Dilution Factor: 2

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 86

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.100	. <del>2.2.j−</del> ∪
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.400	33 J AB U
3	000629-20-9	1,3,5,7-Cyclooctatetraene	4.000	5.4 J
4		unknown	4.280	1.5 <i>J</i>
5	000100-80-1	Benzene, 1-ethenyl-3-methyl-	5.210	5.6 <i>J</i>
6	000300-57-2	Benzene, 2-propenyl-	5.260	2.6 J
7	000095-13-6	1H-indene	5.740	2.7 J
8.	002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.240	2.3 J
9	002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.300	1.4 J
10	007214-61-1	Benzene, (1-nitroethyl)-	6.550	10 <i>J</i>
11	000767-59-9	1H-Indene, 1-methyl-	6.840	2.3 J
12	000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	7.430	6.4 J
13	000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	7.500	7.8 J ···· -
14		unknown	8.070	1.9 <i>J</i>
15		unknown	8.200	2.6 J
16		unknown	8.240	1.6 <i>J</i>
17	004706-90-5	Benzene, 1,3-dimethyl-5-(1-methylethyl)-	8.340	1.9 <i>J</i>
18	054411-21-1	Benzene, (1-chloroethyl)dimethyl-	8.490	1.5 J
19		unknown	8.790	2.1 J
20	000827-54-3	Naphthalene, 2-ethenyl-	9.130	2.2 J
21		unknown	9.940	1.3 J
22		unknown	10.480	1.6 /
23	006975-98-0	Decane, 2-methyl-	10.850	2.7 J
24	* * * * * * * * * * * * * * * * * * *	unknown	10.890	1.4 J
25	002381-21-7	Pyrene, 1-methyl-	14.190	2.6 J

Total Tentatively Identified Concentration

110

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20279

Matrix: Soil

Client Id: PG-G-06-120100SO04

Initial Volume: 30g

Data File: FU2651

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:02

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000 Percent Solids
Column: Supelco 105 m vocol col.,5 mm id, 3.0 um film

Percent Solids: 81

120821	C	Column: Superco 105 m vocor cor5 mm ia, 3.0 um film  Concentration			
122667   1,2-Dipherylhydrazine   0,041   U   1,2-Dipherylhydrazine   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenol   0,21   U   1,4-Dichlorophenol   0,21   U   1,5-Dichlorobenol   0,21   U   1,	CAS#	Compound	PQL/MDL		
122667   1,2-Dipherylhydrazine   0,041   U   1,2-Dipherylhydrazine   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenzene   0,21   U   1,4-Dichlorobenol   0,21   U   1,4-Dichlorophenol   0,21   U   1,5-Dichlorobenol   0,21   U   1,	120821		0.21	U	
108407	95501	1,2-Dichlorobenzene	0.21	U	
108407	122667	1,2-Diphenylhydrazine	0.041	U ·	
108407	541731	1,3-Dichlorobenzene	0.21	Ų	
105679			0.21	'n	
105679	430930	2,4,6-1 richiorophenoi	0.21	Ų.	
Sp807	120632	2,4-Dichiprophenol	0.21	Ų	
Sp807	51285	2,4-Dintrophenol	U.21	N.	
Sp807	121142	2.4-Dinitrololuene	0.71	й	
Sp807	606202	2.6-Dinitrotoluene	0.21	ŭ	
Sp807	91587	2-Chloronaphthalene	0.21	ŭ	
Sp807	95578	2-Chlorophenol	0.21	บั	
Sp807	88755	2-Nitrophenol	0.21	U	
Sp807	91941	3,3'-Dichlorobenzidine	0.21	<u>u</u> .	
Sp807	121142	4,6-Dinitro-2-methylphenol	0.21	. <u>y</u>	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	101553	4-bromophenyi-phenyiether	0.21	Ų	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	7005723	4-Chlorophopyl phenylothor	U.21	Ŋ.	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	1000723	4-Nitrophenol	0.21	й	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	83329	Acenaphthena	0.21	ŭ .	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	200900	Acenaphthylene	0.21	Ŭ	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	120127	Anthracene	0.21	Ŭ	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	92875	Benzidine	0.41	Ų	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743		Benzolajanthracene	0.21	Ų	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	50328	Benzolajpyrene	0.21	Ų.	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743		Benzolo hilbandana	0.21	Ņ.	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743	207089	Renzolkifluoranthene	0.21	Y	
111444   Bis(2-Chloroethyl)Ether   0.21   U   108601   Bis(2-Chloroisopropyl)ether   0.21   U   117817   Bis(2-Ethylhexyl)phthalate   0.21   U   218019   Chrysene   0.21   U   117840   DI-n-octl/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   2174   U   218742   Di-n-but/phthalate   0.21   U   218743   U   218743		Bis(2-Chloroethoxy)methane	0.21	i ii	
117840	111444	Bis(2-Chioroethyl)Ether	0.21		
117840	108601	Bis(2-Chloroisopropyl)ether	0,21	Ŭ,	
117840		Bis(2-Ethylhexyl)phthalate	0.21		
117840	85687	Butylbenzylphthalate	0.21	· <u>Ų</u>	
84/42         Di-n-butylphthalate         0.21         0.17 J           53703         Dibenzola,hjAnthracene         0.21         U           84662         Diethylphthalate         0.21         U           131113         Dimethylphthalate         0.21         U           2064440         Fluoranthene         0.21         U           86737         Fluorene         0.21         U           118741         Hexachlorobenzene         0.21         U           87683         Hexachlorobutadlene         0.21         U           77474         Hexachlorocyclopentadiene         0.62         U           67721         Hexachlorocyclopentadiene         0.21         U           193395         Indeno[1,2,3-cd]pyrene         0.21         U           78591         Isophorone         0.21         U           62759         N-Nitroso-Di-N-Propylamine         0.21         U           62759         N-Nitrosodimethylamine         0.21         U           86306         N-Nitrosodimethylamine         0.21         U           9103         Naphthalene         0.21         U           98953         Nitrobenzene         0.21         U	210019	Chrysene		2074 - 11	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	84742	Di-n-octylphthalate	U.Z1 0.21	017 1	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	53703	Dibenzola hiAnthracene	0.21	0.17 3	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	84662	Diethylphthalate	0.21	U	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	131113	Dimethylphthalate	0.21	Ū	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	206440	Eluoranthene	0.21	Ų .	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	86/3/	Fluorene	0.21	ü	
7/4/4       Hexachlorocyclopentadiene       0.62       U         67721       Hexachlorocfhane       0.21       U         193395       Indeno[1,2,3-cd]pyrene       0.21       U         78591       Isophorone       0.21       U         621647       N-Nitroso-Di-N-Propylamine       0.21       U         62759       N-Nitrosodimethylamine       0.21       U         86306       N-Nitrosodiphenylamine       0.21       U         91203       Naphthalene       0.21       U         98953       Nitrobenzene       0.21       U         87865       Pentachlorophenol       0.21       U         85018       Phenanthrene       0.21       U	87683		0.21	Ų.	
67721 Hexachloroethane 0.21 U 193395 Indeno[1,2,3-cd]pyrene 0.21 U 78591 Isophorone 0.21 U 621647 N-Nitroso-Di-N-Propylamine 0.21 U 62759 N-Nitrosodimethylamine 0.21 U 86306 N-Nitrosodimethylamine 0.21 U 91203 Naphthalene 0.21 U 98953 Nitrobenzene 0.21 U 87865 Pentachlorophenol 0.21 U 87865 Phenanthrene 0.21 U	77474	Hexachlorocyclopentadiene	0.21 0.62	ŭ .	
7639     150phorone   0.21   0   0   0   0   0   0   0   0   0	67721	Hexachloroethane	0.02	· й	
7639     150phorone   0.21   0   0   0   0   0   0   0   0   0	193395	Indeno[1,2,3-cd]pyrene	0.21	ŭ	
1000   N-Nrroscolphenylamine	78591	Isophorone	. 0.21	Ŭ.	
1000   N-Nrroscolphenylamine	621647	N-Nitroso-Di-N-Propylamine	0.21	Ų	
87865 Pentachlorophenol 0.21 U 85018 Phenanthrene 0.21 U	62/59	N-Nitrosodimethylamine	0.21	ប្ត	
87865 Pentachlorophenol 0.21 U 85018 Phenanthrene 0.21 U	91203	Nanhthalana	U.21	Ľ.	
87865 Pentachlorophenol 0.21 U 85018 Phenanthrene 0.21 U	98953	Nitrobenzene	0.21	ii	
85018 Phenanthrene 0.21 U	87865	Pentachlorophenol	0.21	ŭ	
108952         Phenol         0.21         Ū           129000         Pyrene         0.21         0.049 J	85018	Phenanthrene	ŏ. <b>ži</b>	ŭ	
129000 Pyrene 0.21 0.049 J			0.21	· U	
	129000	Pyrene	0.21	0.049 J	

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20280

Client Id: PG-G-5A-120100SO03

Initial Volume: 30g

Data File: FU2665

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:23

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Matrix: Soil

		*		1.	Concentration
_(	CAS#	Compound	PQL/MI	DL .	(Units: mg/Kg)
1	20821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine		3.21	u
ġ	5501	1.2-Dichlorobenzene	č	0.21	U U U
1	22667	1.2-Diphenylhydrazine	ດັ	0 <del>4</del> 1	ប័
Ė	41731	1.3-Dichlorobenzene	·· 0.	) 2 <del>1</del>	ŭ
Ĭ	06467	1.4-Dichlorobenzene		).21 ).21	Ü U U
8	8062	2.4.6-Trichlorophenol	0	) 21	ŭ
1	20832	2.4 Dichlorophenol	ā	0.21	Ŭ
1	05679	2.4-Dimethylphenol	Č	0.21	Ŭ
5	1285	2,4-Dinitrophenol	C	).41	Ū
	21142	2,4-Dinitrotoluene	0	).21	Ū
6	06202	2,6-Dinitrotoluene	. 0	).21	Ŭ
9	1587	2-Chloronaphthalene		).21	Ŭ
9	5578	2-Chlorophenol	C	).21 ).21 ).21 ).21 ).21	U
	8755	2-Nitrophenol	C	).21	, Ŭ
	1941	3,3'-Dichlorobenzidine		).21	່ນ
	21142	4,6-Dinitro-2-methylphenol	Q	). <b>21</b> - ":	Ū.
	01553	4-Bromophenyi-phenylether	C	121	U
5	9507	4-Chloro-3-methylphenol	Q	).21	ü
- 4	005723	4-Chiorophenyi-phenyiether		).21 ).21 ).21	Ū V
ļ	00027 3329	1.2-Diphenylhydrazine 1.3-Dichlorobenzene 1.4-Dichlorobenzene 2.4.6-Trichlorophenol 2.4-Dimethylphenol 2.4-Dimitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene 2.6-Dinitrotoluene 2.Chlorophenol 2.Nitrophenol 3.3'-Dichlorobenzidine 4.6-Dinitro-2-methylphenol 4.Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenol 4-Chlorophenol 4-Chlorophenol 4-Chlorophenyl-phenylether 4-Nitrophenol 4-Chlorophenol 4-Chlorophenol 4-Chlorophenol		),21 ),21	Ŋ
ິວ	08968	Acenaphthene Acenaphthylene		).21 ).21	Ŭ
1	20127	Anthracene		1.21	ŭ
ģ	20127 2875	•	ñ	).21 ).41	ŭ
5	6553	Benzolalanthracene	· 0	1.21	ŭ
	0328	Benzolalpyrene	Ŏ	).21 ).21	. ŭ
2	05992	Benzo b fluoranthene	0	.21	Ŭ
1	91242	Benzo[g,h,i]perylene	O	1.21	U
	07089	Benzolale Benzolalanthracene Benzolalituranthene Benzolg, h. ilperylene Benzolg, h. ilperylene Benzolkifluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chlorolsopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	Q	.21	Ū
	11911	Bis(2-Chloroethoxy)methane	. 0	.21	Ŭ
	11444	Bis(2-Chloroethyl)Ether	0	.21	Ü
	08601	Bis(2-Chioroisopropyi)etner	. U	.21	
	17817 5687	Bis(2-Ethylnexyr)phthalate	. 0	.21 .21	<u>0.12 JB</u> (
	18019	Chrysene		21	ų V
- 4	17840	Di-n-och/phthalate	, v	.21	0.081 1
ė.	4742	DI-n-octylphthalate Di-n-butylphthalate	ñ	.21	0.10 J
5	3703	Dibenzoja, hjAnthracene Diethylphthalate Dimethylphthalate Fluoranthene	·ŏ	.21	ŭ.  Ŭ
8	4662	Diethylphthalate	0	.21	· Ū
1:	31113	Dimethylphthalate		.21	U
2	06440	Fluoranthene		.21	U
8	6737 18741	Fluorene		.21	Ŭ
].	18/41	Hexachlorobenzene	D.	.21	ŭ
2	7683 7474	Hexachlorobutadiene	Ŏ.	.21 .62	Ů
	7721	Hexachlorocyclopentadiene Hexachloroethane		.02 .21	. ប៉
10	93395	Indenoil 2 3-cdingrene	. 7	.21	ŭ
	8591	Indeno[1,2,3-cd]pyrene		.21	ŭ
		N-Nitroso-Di-N-Propylamine		.21	ŭ
6	2164 <u>?</u> 2759	N-Nitrosodimethylamine	0	21	Ŭ U
86	5306	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	0.	.21	U
9	1203	Naphthalene	0.	.21	ŭ
	3953	Nitropenzene	. <u>Q</u> .	.21	ņ
	7865 5048	Pentachlorophenol		.21	Ŋ
	5018 08952	Phenanthrene Phenol	Ŏ	.21	Ÿ.
	29000	Pyrene	Ŭ.	.21 .21	ນ ນ ນ
1.	20000	Tyrene	, U.	.41	, 0

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20280

Client Id: PG-G-5A-120100SO0

Initial Volume: 30g

Matrix: Soil

Data File: FU2665

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:23

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

. <i>I</i>	lit#	Cas Number	Compound	RT	Concentration mg/Kg
	1		unknown	3.090	0.98 J
	2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	161 AB
	3		unknown	4.280	0.67 J
	4		unknown .	4.350	0.18 <i>J</i>
	5	000124-18-5	Decane	5.230	0.17 J
	6	000143-07-7	Dodecanoic acid	9.940	0.40 <i>J</i>
	7	000084-78-6	1,2-Benzenedicarboxylic acid, butyl octy	11.840	0.17 <i>J</i>
	8		Hunknown - Holles Brackery - 1. Difference	15.800	0.18 <i>J</i>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20281

Matrix: Soil

Client Id: PG-FS-7-120100SO02

Initial Volume: 30g

Data File: FU2677

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 21:06

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0,21	U
95501	1,2-Dichlorobenzene	0.21 0.21	U U
122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.042	U
54173 <u>1</u>	1,3-Dichlorobenzene	0.21 0.21	Ů
106467	1,4-Dichlorobenzene	0.21	ŭ
88062 120832	2,4,6-Inchlorophenol	0.21	Ü
120832	2,4-Dichiorophenol	0.21	Ŋ.
105679	2,4-Dimethylphenol	0.21	ÿ
51285 121142	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene	0.21 0.42 0.21	Ū U U
606202	2,4-Dinitrotoluene	0.21	
91587	2-Chloronanhthalene	0.21	ŭ
95578	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol	0.21 0.21 0.21	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט
9557 <b>8</b> 88 <b>755</b>	2-Nitrophenol	0.21	ĭ
91941	3.3'-Dichlorobenzidine	0.51	บั
121142	4.6-Dinitro-2-methylphenol	0.21 0.21 0.21 0.21 0.21	ប័
101553	4-Bromophenyl-phenylether	0.21	Ŭ
59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.21	Ŭ ·
7005723	4-Chlorophenvi-phenviether	n 21	
100027	4-Nitrophenol	0.21	Ų
83329	Acenaphthene	0.21 0.21 0.21	Ų
208968	Acenaphthylene	0.21	0.081 J
120127 92875	Anthracené Benzidine	0.21	0.052 J
56553		0.42	U 0.34
50328	Renzolainurene	0.21 0.21	0.34
205992	Benzolbiliugranthene	0.21	0.54
191242	Benzolajantriracene Benzolajpyrene Benzolbjfluoranthene Benzolkjfluoranthene Benzolkjfluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chlorosopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	ŏ.2i	0.12 J
207089	Benzolkifluoranthene	0.21	0.32
111911	Bis(2-Chloroethoxy)methane	0.21 0.21 0.21 0.21 0.21	Ū
111444	Bis(2-Chloroethyl)Ether	0.21	Ŭ
108601	Bis(2-Chloroisopropyl)ether	0.21	U
117817	Bis(2-Ethylhexyl)phthalate	0.21	<del>-0.14 JB</del> (J
85687	Butylbenzylphthalate	0.21	ַטַ -
218019	Chrysene	0.21	0.29
117840 84742	Di-n-octylphthalate	0.21	0.13 J 0.049 J
53703	Dibenzola hlAnthracene	0,21	0.049 J
84662	Diethylphthalate	0.21	ŭ
84662 131113	DI-n-octylphthalate DI-n-butylphthalate Dibenzola,hJAnthracene Diethylphthalate Dimethylphthalate	0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	·й
206440	Fluoranthene	0.21	0.36
86737 118741	Fluorene	0.21	U ·
118741	Hexachlorobenzene	0.21	U
87683	Hexachlorobutadiene	0.21 0.63	<u>u</u>
77474	Hexachlorocyclopentadiene Hexachloroethane	0.63	Ü
67721 19 <b>3395</b>	nexachioroeinane	0.21 0.21	0.44
78591	Indeno[1,2,3-cd]pyrene Isophorone	0.21	0.14 J
621647	N-Nitroso-Di-N-Pronylamine	0.21	ប័
62759	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	. ŏ 5i	ŭ
86306	N-Nitrosodiphenylamine	0.21	ប័
91203	N-Nitrosodiphenylamine Naphthalene	0.21	0.18 J
98953	Nitrobenzene	0.21	ŭ
878 <b>6</b> 5	Pentachiorophenol	0.21	U
85018	Phenanthrene	0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	0.23
108952	Phenol	0.21	0.33
129000	Pyrene	0.21	0.33

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20281

Matrix: Soil

Client 1d: PG-FS-7-120100SO0

Initial Volume: 30g

Data File: FU2677

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 21:06

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.110	113 U
. 2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.450	-18 J AB- ()
3	000694-87-1	Bicyclo[4.2.0]octa-1,3,5-triene	4.020	0.38 J
4		unknown	4.300	<del>-0.80-)</del> (;
5	000079-34-5	Ethane, 1,1,2,2-tetrachloro-	4.360	0.22 J
8	000100-80-1	Benzene, 1-ethenyl-3-methyl-	5.220	0.76 <b>J</b>
7	000611-15-4	Benzene, 1-ethenyl-2-methyl-	5.270	0.17 <b>J</b>
8	000095-13-6	1 H-Indene	5.750	0.20 J
9	002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.250	0.24 J
10	007214-61-1	Benzene, (1-nitroethyl)-	6.560	0.54 J
11	000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	7.440	0.41 J
12	000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	7.510	0.51 <i>J</i>
13	000090-12-0	Naphthalene, 1-methyl-	8.080	0,35 J
14	000090-12-0	Naphthalene, 1-methyl-	8.210	0.33 J
15	004706-89-2	Benzene, 2,4-dimethyl-1-(1-methylethyl)-	8.500	0.22 J
16	007214-61-1	Benzene, (1-nitroethyl)-	8.760	0.34 <i>J</i>
17		unknown hydrocarbon	9.220	0.25 J
18		unknown	10.490	0.18 J
19		unknown	10.790	-0.18.L ()
20	074645-98-0	Dodecane, 2,7,10-trimethyl-	10.860	0.41 J
21		unknown	12.500	0.23 J
22	000629-78-7	Heptadecane	12.600	0.23 <b>J</b>
23		unknown	14.130	0.21 J
24		unknown	15.940	0.17 J

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20282

Matrix: Soil

Client Id: PG-FS-7-120100SO05

Initial Volume: 30g

Data File: FU2674

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 19:50

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821 95501 122667 541731 106467 88062 120832 105679 51285 121142 606202 91587 95578 88755 91941 121142 101553 59507 7005723 100027 208968 120127 92875 56553 50328 205992 191242 207089 111911 111444 108601 117817 85687 218019 117840 84742 53703 84662 131113 2064440	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorophenol 1,4-Dimitrophenol 1,4-Dimitrophenol 1,4-Dimitrotoluene 1,4-Dimitrotoluene 1,6-Dimitrotoluene 1,6-Dimitrophenol 1,3-Dichlorobenzidine 1,6-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-2-methylphenol 1,8-Dimitro-1,9-methylphenol 1,8-Dimitro-1,9-methylphenol 1,8-Dimitro-1,9-methylphenol 1,8-Dimitro-1,9-methylphenol 1,8-Dimitro-1,9-methylphenol 1,9-Dimitrophenol 1,9-Dimitro	0.21 0.22 0.22 0.22 0.22 0.22 0.22 0.22	(Units: mg/Kg )  U U U U U U U U U U U U U U U U U U
53703 84662 131113 206440 86737 118741	Hexachlorobenzene	0.21 0.21 0.21 0.21 0.21 0.21	U U U
87683 77474 67721 193395 78591 621647 62759 86306 91203 98953 87865 85018 108952	Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno[1,2,3-cd]pyrene Isopilorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol	0.21 0.63 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	ננטנטנטנטנטנטנט
129000	Pyrene	0.21	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20282

Matrix: Soil

Client Id: PG-FS-7-120100SO0

Initial Volume: 30g

Data File: FU2674

Final Volume: 1mi

Date Analyzed: 10 Dec 2000 19:50

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.100	-1.1 J ()
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	16 J AP
3		unknown	4.280	0.77 J
4	000079-34-5	Ethane, 1,1,2,2-tetrachioro-	4.350	0.18 J
5	000084-69-5	1,2-Benzenedicarboxylic acid, bis(2-meth	11.840	0.20 J
6		unknown	15.770	0.23 J
7		unknown	16.260	0.44 J
8		unknown	18.540	0.18 <i>J</i>
		•		

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20283(5X)

Matrix: Soil

Client Id: PG-D-01-120100SO01

Initial Volume: 30g

Data File: FU2691

Final Volume: 3ml

Date Analyzed: 11 Dec 2000 15:15

Dilution Factor: 5

Percent Solids: 82

Date Received/Extracted: 12/4/2000-12/8/2000 Percent Solids
Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration

	CAS#	Compound	PQL/MDL	(Units: mg/Kg)
•	120821 95501 122667 541731 106467 88062 120832 105679 51285 121142 606202 91587 95578 88755 91941 121142	1.2.4-Trichlorobenzene 1.2-Dichlorobenzene 1.2-Diphenylhydrazine 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 2.4-Directorophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrophenol 2.4-Dinitrotoluene 2.6-Dinitrotoluene 2.6-Dinitrotoluene 2-Chlorophenol 2-Nitrophenol 3.3-Dichlorobenzidine 4.6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthylene Acenaphthylene Anthracene	3.0 3.0 0.61 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט
	101153 59507 7005723 100027 83329 208968 120127 92875 56553 50328 205992 191242 207089 111911 111444 108601 117817 85687 218019 117840	Benziolar Benzolar Bis (2-Chloroethoxy) methane Bis (2-Chloroethory) ther Bis (2-Chloroisopropy) ether Bis (2-Ethylhexy) phthalate	00000000000000000000000000000000000000	00000000000000000000000000000000000000
	84742 53703 84662 131113 206440 86737 118741 87683 77474 67721 193395 78591 621647 62759 86306 98953 87865 85018 108952 129000	Chrysene Di-n-octylphthalate Di-n-butylphthalate Dibenzola hjAnthracene Dietnylphthalate Dibenzola hjAnthracene Dietnylphthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Nexachlorocyclopentadiene Hexachlorocyclopentadiene Nexachlorocyclopentadiene Nexachlorocyclopentadiene Notrosocione N-Nitrosocione N-Nitroso	93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0	0.83 J 0.84 J 0.84 J 0.69 J 7.8

 $<sup>\</sup>emph{U}$  - Indicates the compound was analyzed but not detected.

J-Indicates an estimated value when a compound is detected at less than the specified detection limit.

B-Indicates the analyte was found in the blank as well as in the sample.

E-Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20283(5X)

Client Id: PG-D-01-120100SO0

Data File: FU2691

Date Analyzed: 11 Dec 2000 15:15

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 3ml

Dilution Factor: 5

Percent Solids: 82

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.390	-36 J PP U
2		unknown	13.540	2.7 <b>J</b>
3	086917-84-2	(+)-1,10-dihydronootkatone	13.590	2.9 J
4	002381-21-7	Pyrene, 1-methyl-	14.070	7.3 <i>J</i>
5	003353-12-6	Pyrene, 4-methyl-	14.190	7.8 J
6	000238-84-6	11H-Benzojajfluorene	14.230	5.5 J
. 7		unknown	14.310	<b>3.1 J</b> .
8	064401-21-4	Pyrene, 1,3-dimethyl-	14.760	4.4 J
9	• • • •	unknown	17.580	6.1 <b>J</b>
10		unknown	17.900	24 <b>J</b>

Total Tentatively Identified Concentration

<sup>A - Indicates an aidol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20284

Matrix: Soil

Client Id: PG-D-01-120100SO04

Initial Volume: 30g

Data File: FU2676

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 20:41

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 71

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.23	U·
95501	1.2 Dichlorobontone	0.23 0.23	Ū
122667	1,2-Diphenylhydrazine	n n/7	U U
122667 541731	1,3-Dichlorobenzene	0.23	Ü
106467	1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4-6-Trichlorobenzene	0.23	Ū U U
88062	2.4.6-Trichlorophenol 2.4-Dichlorophenol 2.4-Dimethylphenol 2.4-Dinitrophenol 2.4-Dinitrotoluene	0.23 0.23 0.23 0.23 0.23 0.23	Ö
120832	2,4-Dichlorophenol	0.23	υ υ υ
105679	2.4-Dimetnylphenol	0.23	Ņ
51285 121142	2,4-Dinitrophenoi	0.47	Ų
606202	2,4-Dinitrotoluene	0.23	ŭ
01587	2.Chloronaphthalene	0.23	ŭ
91587 95578	2-Chlorophenol	0.23	Ŭ
88755	2.4-Dinitrotoluene 2.6-Dinitrotoluene 2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4.6-Dinitro-2-mathylabenol	0.47 0.23 0.23 0.23 0.23 0.23	<b>ਹ</b> ੋ ਕਿ
91941	3.3'-Dichlorobenzidine	0.23	ŭ
121142	4.6-Dinitro-2-methylphenol	0.23	Ŭ
101553	4-Bromophenyi-phenylether	0.23	ŭ V
59507	4-Chloro-3-methylphenol	0.23	บั
7005723	3,3-Dichiorobenziaine 4,6-Dinitro-2-methylphenol 4-Bromophenyi-phenylether 4-Chloro-3-methylphenol 4-Chiorophenyl-phenylether 4-Nitrophenol Acenaphthene	0.23	Ŭ
100027	4-Nitrophenol	0.23	U
83329	Acenaphthene	0.23	<u>u</u>
208968	Acenaphthene Acenaphthylene Anthracene	0.23	Ū
12012/	Anthracene	0.23	2.4
120127 92875 56553	Benzidine	0.47	Ų
50328	Benzolalaninacene	0.23	0.085 J
20520	Renzolalfluoranthene	0.23	0.094 J
205992 1912 <b>42</b>	Benziolne Benzola]anthracene Benzola]pyrene Benzolo]iluoranthene Benzolo]iluoranthene Benzolo]iluoranthene Bis(2-Chioroethoxy)methane Bis(2-Chioroethoxy)methane Bis(2-Chioroethoxy)lether Bis(2-Chiorosopropy)lether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	0.23 0.23 0.23 0.23 0.23 0.47 0.23 0.23 0.23	0.051 J
207089	Benzolkifiuoranthene	0.23	0.051 J
111911	Bis(2-Chloroethoxy)methane	0.23	Ü
111444	Bis(2-Chloroethyl)Ether	0.23	Ū
108601	Bis(2-Chloroisopropyl)ether	0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33	U
117817	Bis(2-Ethylhexyl)phthalate	0.23	- <del>0.090 JB</del> (J
85687	Butylbenzylphthalate	0.23	ប្អ
218019 117840	Chrysene	0.23	-0.065 J ()
9/7/2	DI-n-octylphthalate Di-n-butylphthalate	0.23	- <del>9.003</del> 3
84742 53703	Dihenzola hiAnthracene	0.23	ŭ
84662	Diethylphthalate	0.23	ŭ
131113	Dibenzola, hiAnthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.23	ŭ
206440 86737 118741	Fluoranthene	0.23 0.23 0.23 0.23 0.70	· Ū
86737	Fluorene	0.23	Ŭ
118741	Hexachlorobenzene	0.23	U
87683 77474	Hexachlorobutadiene	0.23	ü
77474	Hexachlorocyclopentadiene Hexachloroethane	0.70	ÿ
67721 193395	mexachioroethane	0.23	Ŋ,
78591	Indeno[1,2,3-cd]pyrene Isophorone	0.23	Ņ
621 <b>64</b> 7	N-Nitroso-Di-N-Propylamine	0.23	) 2 2 4,9
62759	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	ŭ.23	ĭĭ
86306	N-Nitrosodiphenylamine	0.23	ŭ
91203	Naphthalene	0.23	2.3
91203 98953	Nitrobenzene Pentachiorophenol	0.23	~ŭ
87865	Pentachiorophenol	0.23	Ú
85018	Phenanthrene	0.23	4.9
108952	Phenol	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	ຼືບັ
129000	Pyrene	0.23	2.0

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20284

Client Id: PG-D-01-120100SO0

Initial Volume: 30g

Data File: FU2676

Final Volume: 1ml

Matrix: Soil

Date Analyzed: 10 Dec 2000 20:41

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 71

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.450	381 AB U
2		unknown	4.860	0.77 <i>J</i>
3		unknown	5.670	0.92 J
4		unknown	5.820	0.88 <b>J</b>
5		unknown	6.340	0.94 <b>J</b>
6		unknown	6.570	3.2 <b>J</b>
7		unknown	6.710	2.5 <i>J</i>
8	062016-34-6	Octane, 2,3,7-trimethyl-	7.900	4.1 J
9	054833 <b>-48-6</b>	Heptadecane, 2,6,10,15-tetramethyl-	9.370	1.9 <i>J</i>
10		unknown	10.090	0.81 <i>J</i>
11	002131-41-1	Naphthalene, 1,4,5-trimethyl-	10.230	0.77 J
12	000629-62-9	Pentadecane	10.640	1.4 J
13	000629-50-5	Tridecane	11.030	4.2 J
14	024251-86-3	Dodecane, 5,8-diethyl-	12.090	1.7 J
15	000779-02-2	Anthracene, 9-methyl-	12.350	0.86 <i>J</i>
16		unknown	12.510	1.9 <b>J</b>
17	001207-15-4	2,8-Dimethyldibenzothiophene	12.650	0.89 <i>J</i>
18	089816-53-5	1,7-Dimethyldibenzothiophene	12.760	0.98 <b>J</b>
19	001576-67-6	Phenanthrene, 3,6-dimethyl-	12.990	0.86 <b>J</b>
20	003674-66-6	Phenanthrene, 2,5-dimethyl-	13.090	1.6 <b>J</b>
21	003674-73-5	Phenanthrene, 2,3,5-trimethyl-	13.630	1.6 <i>J</i>
22		unknown	13.690	1.9 <i>J</i>
23	000000-00-0	P-HYDROXYPHENYL PHENYLSULFONE	14.380	1.2 J
24	064401-21-4	Pyrene, 1,3-dimethyl-	14.810	0.77 <b>J</b>
25		unknown	17.900	2.3 <i>J</i>

Total Tentatively Identified Concentration

A - Indicates an aldoi condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20285

Matrix: Soil

Client Id: PG-D-01-120100SO10

Initial Volume: 30g

Data File: FU2675

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 20:15

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 52

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,6-Dinitrotoluene 2,6-Dinitrotoluene	0.32	ņ
95501	1,2-Dichloropenzene	0.32	ŭ
122667	1,2-Diphenylhydrazine	0.064	<u> </u>
5417 <b>31</b>	1,3-Dichlorobenzene	0.32 0.32	ÿ
106467	1,4-Dichioropenzene	0.32	Ų
88062	2,4,6-1 richiorophenoi	0.32	טטטטט
120832	2,4-Dichlorophenol	0.32 0.32 0.32 0.64 0.32	Ų
105679	2,4-Dimethylphenol	0.32	ប្ត
51285	2,4-Dinitrophenoi	0.64	អ
121142	2,4-Dinitrotoluene	0.32	Ŋ.
606202	2,6-Dinitrotoluene	0.32	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט
91587	2-Chloronaphthalene	0.32 0.32 0.32 0.32 0.32	y
95578 88 <b>755</b>	2-Chiorophenoi	0.32	<u>u</u>
88/55	2-Nitrophenol	0.32	y
91941	3,3 - Dichloropenzialne	0.32	. 0
121142	4,5-Dinitro-2-methylphenol	0.32	Ų.
101553	4-Bromophenyi-phenyiether	0.32	Ų
59507 7005723	4-Chloro-3-methylphenol	0.32	y ·
/005/23	4-Chlorophenyl-phenylether	0.32 0.32 0.32 0.32 0.32	บ บ
100027	4-Nitrophenol	0,32 0.32	, Ų
83329	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthylene Anthracene	0.32	Ü
208968	Acenaphthylene	0.32	Ŭ
120127	Anthracene	0.32	Ü
92875	Benzigine	0.64	ŭ
56553	Benzolajanthracene	0.32	ນັ
50328	Benzolajpyrene	0.32	ÿ
205992	Benzolpjiluorantnene	0.32	Ņ
191242 20708 <del>9</del>	Benzolg,n,ijperviene	0.32	Ņ
	Benzolkinuoraninene	0.32	ų.
1119 <b>11</b> 111444	Dis(2-Chlorosthyt) Tiber	0.32	U U
08601	Dis(2-Chlorologramy) other	0.32 0.32 0.32 0.32	N.
17817	Bis/2 Ethythosylabtholete	0.32	-0.20 JB ()
35687	Distancial physical and the state of the sta	0.32	- <del>0.20 VB</del> ()
218019	Charana	0.32	Ŋ ·
117840	Di n achdobthalata	0.32	-010-L ()
1170 <del>40</del> 24742	Anthracene Benzidine Benzidine Benzolajanthracene Benzolajpyrene Benzolajpyrene Benzoly,h,i)perylene Benzoly,h,i)perylene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoxy)methane Bis(2-Chloroisopropyl)ether Bis(2-Ethylnexy)phthalate Butylbenzy/phthalate Chrysene Di-n-butylphthalate Di-n-butylphthalate	0.32 0.32	<u>amr</u> 0
34742 53703	Dihenzola hlAnthracena	0.32 0.32	บั
346 <b>62</b>	Diethylphthalate	0.32	บั
131113	Dimethylphthalate	0.32 0.32	X
131113 206440	Chrysene Di-n-octylphthalate Di-n-butylphthalate Dibenzola hjAnthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.32 0.32	Ŭ
86737	Fluorene		· ŭ
86737 118741	Hexachlorobenzene	0.32	й
7683	Liousablarabishadiana	0.00	Ŭ U
77474	Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone	0.96	ŭ
7721	Hexachloroethane	0.32	ĭi
57721 1933 <b>95</b>	Indenoi1 2.3-cdlovrene	0.32	ŭ U
78591	Isophorone	0.32	ĭi
21647	Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	0.32	טטטט
2759	N-Nitrosodimethylamine	0.32	ĭĭ
6306	N-Nitrosodiphenylamine	0.32	ĭi
1203	Naphthalene	0.32	ĭ
8953	Nitrobenzene	0.32	ŭ
37 <b>865</b>	Pentachlorophenoi	0.32	ដ
5018	Pentachlorophenol Phenanthrene	0.32	บั ง
08952	Phenol	0.32 0.32 0.32	ŭ
29000	Pyrene	U.J.	0.071 J

 $<sup>\</sup>emph{U}$  - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

## Tentatively Identified Compounds

Sample Number: AB20285

Matrix: Soil

Client Id: PG-D-01-120100SO1

Initial Volume: 30g

Data File: FU2675

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 20:15

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 52

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.130	<del>2.1</del> <b>√</b>
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3,460	-35 J AB U
3	•	unknown	4.300	15. U
4	000124-18-5	Decane	5,240	d_0.27.j
5		unknown	5.330	0.31 J
6		unknown	12.700	3.0 <i>J</i>
7	038641-19-9	Naphthalene, dibutyl-	12.790	1.3 <i>J</i>
8	and the state of t	unknown	12.860	3.6 <i>J</i>
9	000000-00-0	MONOSILYLATED ACETOVANILLONE	13.270	2.0 <b>J</b>
10	016914-12-8	(E,E)-2,5-Diphenyl-2,4-hexadiene	13,950	33 <b>J</b>
11		unknown hydrocarbon	14.300	0.28 J
12	000000-00-0	ANTHRACENE, 9-TRIMETHYLSILYL-	15,340	0.60 <i>J</i>
13	000629-78-7	Heptadecane	15.630	0.50 <b>J</b>
14		unknown	15.760	. ,
15		unknown hydrocarbon	15.910	0.27 <b>J</b>
16		unknown	16.260	0.41 J
17	000593-45-3	Octadecane	17.500	0.27 <b>J</b>
18	000112-95-8	Eicosane	18.280	0.43 <b>J</b>
19		unknown	18.390	0.48 <b>J</b>
20	081575-28-2	(5'Z,8'Z,11'Z)-6-(Heptadeca-5',8',11'-tr	18.540	0.77 <b>J</b>
21		unknown hydrocarbon	18.720	0.48 J
22		unknown	18.860	0.53 <b>J</b>

Total Tentatively Identified Concentration

A - Indicates an aldol condensate.

J - Indicates an estimated value

B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20286

Matrix: Soil

Client Id: PG-D-03-120100SO01

Initial Volume: 30g

Data File: FU2678

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 21:31

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000 Percent Solids
Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Percent Solids: 87

Cou	imn: Superco 105 m vocor co	01,.5 mm 10, 3.0 um	Concentration
CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.19	Ú .
95501	1 2-Dichlorobenzene	0.19	ŭ
122667	1.2-Diphenylhydrazine	0.038	U
541731	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.19	Ũ
106467	1.4-Dichioropenzene	0.19	Ŭ
88062	2,4,6-Trichlorophenol	0.19	U
120832	2,4-Dichlorophenol	0.19	U
105679	2,4-Dimethylphenol	0.19	Ü
51 <b>285</b>	2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol	0.38	ככככככננככככככ
121142	2,4-Dinitrotoluene 2,6-Dinitrotoluene	0.19	Ñ
606202	2,6-Dinitrotoluene	0.19	υ
91587	2-Chloronaphthalene	0.19	Ų
95578 88755	2-Chlorophenol 2-Nitrophenol	0.19	Ų
88755	2-Nitrophenol	0.19	Ŭ.
91941	3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol	0.19	· ÿ
121142	4,6-Dinitro-2-methylphenol	0.19	Ŋ.
101553	4-Bromophenyl-phenylether 4-Chioro-3-methylphenol	0.19	Ŋ,
59507	4-Chioro-3-methylphenol	0.19	Ņ
7005723	4-Chlorophenyl-phenylether	0.19	Ÿ.
100027 83329	4-Nitrophenol	0.19	ŭ
00029	Acenaphthene	0.19 0.19	Ü
208968	Acenaphthylene Anthracene	0.19	0.045 J
120127 92875	Benzidine	0.38	0.045 J
56553	Benzolalanthracene	0.19	0.14 J
50328	Benzolalnyrene	0.19	0.12 1
205992	Benzolajanthracene Benzolajpyrene Benzolajpyrene Benzolajluoranthene Benzolg, h, ijperylene Benzolkjfluoranthene Bis(2-Chloroethoxy)methane	0.19	0.12 J 0.25
191242	Benzola h ilpervlene	0.19	0.060 J
207089	Benzolkifluoranthene	0.19	0.10 J
111911	Bis(2-Chloroethoxy)methane	0.19	Ü
111444	Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	0.19	ับ
108601	Bis(2-Chloroisopropyl)ether	0.19	U
117817	Bis(2-Ethylhexyl)phthálate	0.19	- <del>0.31-B</del> <i>∪</i>
85687	Butylbenzylphthalate	0.19	Ü
218019	Unrysene	0.19	0.16 J
117840	DI-n-octylphthalate	0.19	-0.10-1-U
84742	Di-n-butyiphthalate	0.19	0.099 J
53703	Diothylabthalata	0.19 0.19	U .
84662 131113	Dibenzola h Anthracene Diethylphthalate Dimethylphthalate	0.19	H
206440	Fluoranthene	0.19	0.17 J
86737	Fluorene	0.19	. 0.10
86737 118741	Hexachlorobenzene	Ŏ. 19	Ŭ
87683	Hexachlorobutadiene	0.19	Ū U
77474	Hexach!procyclopentadiene	0.57	· Ŭ
67721	Hexachlorocyclopentadiene Hexachloroethane	0.19	υÜ
193395	Indeno[1,2,3-cd]pyrene	0.19	0.048 J
78591	isophorone	0.19	Ũ
621 <b>647</b>	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	0.19	U
62759 86306	N-Nitrosodimethylamine	0.19	, U
86306	N-Nurosodiprienylamine	0.19	Ü
91203 98953	Naphthalene	0.19	0.066 J
98953	Nitrobenzene	0.19	ប្ត
87865	Pentachiorophenol	0.19	
85018 108952	Phenanthrene	0.19 0.19	0.17 J
108952	Phenol		0.24
129000	Pyrene	0.19	U. <b>∠</b> 4

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

## Form1e/1f organics semivolatile report Tentatively Identified Compounds

Sample Number: AB20286

Matrix: Soil

Client Id: PG-D-03-120100SO0

Initial Volume: 30g

Data File: FU2678

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 21:31

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 87

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.110	1.43 U
. 2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.460	24 J AB U
3	en e	unknown	4.290	-1.0.j U
4	000871-83-0	Nonane, 2-methyl-	5.230	0.29 J
5	000112-12-9	2-Undecanone	7.950	0.16 <b>J</b>
6		unknown	8,460	0.16 <i>J</i>
7		unknown hydrocarbon	9.220	0.19 <i>J</i>
8	000120-40-1	Dodecanamide, N,N-bis(2-hydroxyethyl)-	9.950	0.61 <i>J</i>
9	000070-55-3	4-TOLUENESULFONAMIDE	10.700	0.20 J
10	000112-95-8	Eicosane	10.850	0.34 J
11	000117-82-8	1,2-Benzenedicarboxylic acid, bis(2-meth	11.840	0.22 J
12	٠	unknown	12.480	0.21 J
13		unknown	12.620	0.26 J
14	000084-15-1	1,1':2',1"-Terphenyl	14.610	0.17 <i>J</i>
15		unknown	14.750	0.18 <i>J</i>
16	054789-40-1	Heptanamide, 4-ethyl-5-methyl-	16.270	0.79 <b>J</b>
17	004484-72-4	Silane, trichlorododecyl-	16.720	0.19 <i>J</i>
18	000192-97-2	Benzo[e]pyrene	16.790	0.19 <i>J</i>
19		unknown	17.250	0.42 J
20		unknown	17.450	0.20 J
21	000629-97-0	Docosane	17.510	0.16 J
22		unknown	17.890	0.26 J
23		unknown	18.170	0.24 J
24		unknown	18.280	0.17 J

Total Tentatively Identified Concentration

A - Indicates an aldol condensate. J - Indicates an estimated value B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20287

Matrix: Soil

Client Id: PG-RR-08-120100SO02

Initial Volume: 30g

Data File: FU2672

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 18:21

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 64

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene	0.26 0.25 0.26 0.26 0.26 0.26 0.26 0.26 0.26 0.26	บ บ บ
95501	1.2-Dichlorobenzene	0.26	Ų
122667	1,2-Diphenylhydrazine	0.052	Ü
541731	1,3-Dichlorobenzene	0.26	ŭ
106467	1,4-Dichlorobenzene	0.26	Ŋ,
88062	2,4,6-Trichlorophenol	0.26	N N
120832 105679	2,4-Dichlorophenol	0.20	H
105 <u>679</u>	2,4-Dimethylphenoi	0.20	Y.
51285 121142	2,4-Dinitrophenoi	0.52	ŭ
121142	2,4-Dintrotoluene	0.20	ĭi
606202	2,6-Dinitrotoluene	0.20	й
91501	2-Chlorophonol	0.26	ŭ
91587 95578 88755	2,6-Dinitrotoluene 2-Chlorophthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene	0.26	Ŭ
91941	3.3'-Dichlorobenzidine	0.26	Ū
121142	4 6-Dinitro-2-methylphenol	0.26	U
101553	4-Bromophenyl-phenylether	0.26	U
101553 59507	4-Chloro-3-methylphenol	0.26	U
7005723	4-Chlorophenyl-phenylether	0.26	ÿ
100027	4-Nitrophenol	, 0.26	Ų
83329	Acenaphthene Acenaphthylene	0.26	ប្ត
208968	Acenaphthylene	0.26	y
120127	Anthracené	0.26	כככככככככככככככ
92875	Benzidine	0.52	ŭ
208968 120127 92875 56553 50328	Benzolajanthracene	0.20 0.26	ដ
50328	Benzolalpyrene Benzolalpyrene	0.20	0.059 J
205992 191242	Benzolajanthracene Benzolajpyrene Benzolajhiuoranthene Benzolginuoranthene Benzolkifiuoranthene	. 0.26	J.S.J.
207089	Renzolkifluoranthene	0.26	Ŭ
111911	Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylnexyl)phthalate Butylbenzylphthalate	0.26	Ũ
111444	Bis(2-Chloroethyl)Ether	0.26	U ·
108601	Bis(2-Chloroisopropyl)ether	0.26	Ų
117817	Bis(2-Ethylhexyl)phthalate	0.26	- <del>0.16.18</del> V
8 <b>5687</b>	Butylbenzylphthálate	0.26	O O O O
218019		0.26	0.058 J
117840 847 <b>42</b>	DI-n-octylphthalate	U. 20	<del>9.12 J</del> ひ 0.17 J
84742	Di-n-butyiphthalate	0.20	0.17 3
53703 84662	Diethylothalate	0.20	ŭ
131113	Di-n-octylphthalate Di-n-butylphthalate Dibenzola hjAnthracene Diethylphthalate Dimethylphthalate	0.26	
206440	Fluoranthene	0.26	Ŭ
86737	Fluorene	0.26	U
86737 118741	Hexachiorobenzene	0.26	Ų,
87683	Hexachlorobutadiene	0.26	ŭ
77474	Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene	0.78	· U
67721	Hexachloroethane	0.26	Ų.
193395	Indeno[1,2,3-cd]pyrene	0.26	y,
78591	Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene Nitrosodiphenylamine	U.26 0.2€	כככככככככככ
621647	N-Nitroso-DI-N-Propylamine	0.20 0.26	й.
62759 86306	N-Mitrosodinhendamine	0.20	ប៉
01203	Nandhalene	0.20	ŭ
91203 98953	Nitrohenzene	ŏ.56	Ū
87 <b>865</b>	Nitrobenzene Pentachiorophenol	0. <b>2</b> 6	U
85018	Phenanthrene	0.26	0.082 J
108952	Phenol	26622666666666666666666666666666666666	Ü
129000	Pyrene	0.26	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20287

Matrix: Soil

Client Id: PG-RR-08-120100SO

Initial Volume: 30g

Data File: FU2672

Final Volume: 1ml

Dilution Factor: 1

Date Analyzed: 10 Dec 2000 18:21

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 64

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.290	1.8 <i>J</i>
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.420	-2.5 J AB V
3		unknown	3.600	31 J
4		unknown	4.360	1.6 <i>J</i>
5	000117-82-8	1,2-Benzenedicarboxylic acid, bis(2-meth	11.840	0.32 J
6		unknown	15.770	0.21 <i>J</i>
7	000301-02-0	9-Octadecenamide, (Z)-	16.260	. 0.33 <i>J</i>
8		unknown hydrocarbon	18.270	0.25 J
9		unknown	18.540	0.27 J

Total Tentatively Identified Concentration

A - Indicates an aldol condensate. J - Indicates an estimated value B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20288

Matrix: Soil

Client Id: PG-RR-08-120100SO04

Initial Volume: 30g

Data File: FU2650

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 19:37

Dilution Factor: 1

Ditution Fuctor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 72

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	0.23 0.23	U
95501_	1,2-Dichlorobenzene	0.23	Ü
122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.046	ŭ
541731	1,3-Dichlorobenzene	0.23	Ŋ.
106467 88062	2.4.6-Trichlorophenol	0.23	ĭ
120832	2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol	0.23 0.23 0.23 0.23 0.23 0.46 0.23 0.23 0.23	כככככככ
105679	2 4-Dimethylphenol	0.23	Ŭ
51285	2.4-Dinitrophenol	0.46	Ŭ
1211 <b>42</b>	2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene	0.23	Ŭ ·
606202	2,6-Dinitrotoluene	0.23	ų.
91587	2-Chloronaphthalene	0.23	Ŋ,
95578	2-Chlorophenol	0.23	, ,
88755	2-Nitropnenoi	0.23 0.23 0.23 0.23 0.23	  
91941	4.6-Dinitro-2-methylphenol	0.23	ĭ
121142 101553	4-Bromonbenyl-nhenylether	0.23	ŭ
59507	4-Chloro-3-methylphenoi	0.23	ŭ
7005723	4-Chlorophenyl-phenylether	0.23	Ŭ
100027	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenanhthene	0.23 0.23 0.23	ָט ט ט
100027 83329	Acenaphthene Acenaphthylene	0.23 0.23 0.23 0.23	U
208968	Acenaphthylene	0.23	Ų
120127 92875	Anthracené	0.23	
92875	Benzidine	0.46	0.055 J
56553 50328	Benzola anthracene Benzola pyrene Benzolo iluoranthene	0.23	0.055 J
205992	Benzoihifiuoranthene	0.23	0.047 J
191242	Benzolg,h.i)perylene Benzolg,h.i)perylene Benzolk/fluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethy))Ether Bis(2-Chloroisopropy)ether Bis(2-Ethylnexy)phthalate	0.23	U.S-Y
207089	Benzolkifluoranthene	0.23	Ŭ
111911	Bis(2-Chloroethoxy)methane	0.23	Ũ
111444	Bis(2-Chloroethyl)Ether	0.23	U
108601	Bis(2-Chloroisopropyl)ether	0.23	U
117817	Bis(2-Ethylhexyl)phthalate	0.23	- <del>0.3<u>0</u> B</del> ∙ ∪
856 <b>87</b>	Dutyioei izyipi iti ialate	0.23	0.084 J
218019 117840	Chrysene DI n achdobbbbbbbbbbbb	0.23	0.0043 -0.22 i
84742	DI-n-octylphthalate Di-n-butylphthalate	0.23	0.27 0.095 J
53703	Dibenzola hlAnthracene	0.23	Ü
84662	Dibenzola h Anthracene Diethylphthalate Dimethylphthalate	0.23	Ū
131113	Dimethylphthalate	0.23	Ŭ U
206 <b>44</b> 0	Fluoranthene	0.23	Ų
86737	Fluorene	0.23	Ū U U
118741	Hexachlorobenzene	0.23	ų,
87683	Hexachlorobutadiene	0.23 0.60	H
77474 67721	Heyachloroothana	0.09	ŭ
193395	Indendii 2 3-cdinyrene	0.23	ŭ
78591	Isophorone	0.23	Ŭ
621647	N-Nitroso-Di-N-Propylamine	0.23	Ũ
62759	Hexachloroputatiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine Naphthalene Nitrobarzene	0.23	Ū
62759 8630 <b>6</b>	N-Nitrosodiphenylamine	0.23	Ų .
91203	Naphthalene	0.23	0.081 ัป
98953		0.23	Ņ
87865	Pentachlorophenol Phenanthrene	0.23	0.45
85018 408052		0.23	0.15 J
108952 1290 <b>0</b> 0	Phenol Pyrene	00000000000000000000000000000000000000	0.076 J
1,23000	r yrene	0,23	0.070 0

U - Indicates the compound was analyzed but not detected

J-Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20288

Matrix: Soil

Client Id: PG-RR-08-120100SO

Initial Volume: 30g

Data File: FU2650

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 19:37

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 72

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	2.660	0.19 J
2		unkn <del>own</del>	3.040	3.1 <i>J</i>
3	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.400	42 J AP
4		unknown	3.830	0.21 <i>J</i>
5		unknown	4.200	2.3 <b>J</b>
6		unknown	4.980	0.26 J
7		unknown hydrocarbon	9.100	0.25 J
8	000558-17-8	Propane, 2-iodo-2-methyl-	10.730	0.42 J
9	000000-00-0	METHYL-FLUORENE	10.900	0.21 J
10	000629-62-9	Pentadecane	12.480	0.25 J
11	003674-66-6	Phenanthrene, 2,5-dimethyl-	12.830	0.43 J
12	000630-06-8	Hexatriacontane	13.000	0.23 <i>J</i>
. 13	000593-45-3	Octadecane	14.010	0.25 J
14		unknown	14.470	0.20 <i>J</i>
15	000593-45-3	Octadecane	15.780	0.19 <i>J</i>
16	055401-55-3	Docosane, 11-decyl-	16.170	0.30 J
17		unknown	17.730	0.19 <i>J</i>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20289

Matrix: Soil

Client Id: PG-UST2-3-120100SO02

Initial Volume: 30g

Data File: FS3669

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:11

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0,21	V
95501	1,2-Dichlorobenzene	0.21	V
122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.041	Ü
541731	1,3-Dichlorobenzene	0.21	Ŋ.
106467 88062	1,4-Dichlorobenzene 2,4,6-Trichlorophenol	0.21 0.21	ų.
120832	2 4-Dichlorophenol	0.21	ŭ
105679	2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene	ŏ.2i	בכפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפפ
51285 121142	2,4-Dinitrophenol	0.41	· Ŭ
121142	2,4-Dinitrotoluene	0.21 0.21	<u>u</u>
606202	2,6-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3-Dichlorobenzidine	0.21	Ų.
91587 95578	2-Chloronaphthalene	0.21 0.21	, U
88 <b>75</b> 5	2-Chlorophenol	0.21 0.21	H
91941	3 3'-Dichlorobenzidine	0.21	ŭ
121142	4.0-DRRO-Z-HERHYDHERO	0.21	Ŭ
101553			Ũ
59507	4-Chloro-3-methylphenol	0.21 0.21	<u>u</u>
7005723 100027	4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene	0.21	Ŋ.
83329	4-Nitrophenoi	U.ZI 0.21	Ų
208968	Acenaphthylene	0.21	H
120127	Acenaphthylene Anthracene	0.21 0.21 0.21 0.21 0.21 0.21	ŭ
92875	Benzidine	0.41	Ŭ
56553	Benzo[a]anthracene	0.21	Ų
50328	Benzolalpyrene	0.21 0.21	Ų.
205992 191242	Benzola anthracene Benzola pyrene Benzolo filoranthene Benzolo fi, ilperylene Benzolk (fluoranthene Bis (2-Chloroethoxy) methane Bis (2-Chloroethyl) Ether Bis (2-Chloroisopropyl) ether Bis (2-Ethylhexy) phthalate Butylbenzylphthalate Chrysene DI-n-octylphthalate	0.21 0.21	ų .
207089	Renzolkifluoranthene	0.21	Ϋ́
111911	Bis(2-Chloroethoxy)methane	0.21	- Ŭ
111444	Bis(2-Chloroethyl)Ether	0.21	Ŭ
108601	Bis(2-Chloroisopropyl)ether	0.21	Ū,
117817	Bis(2-Ethylhexyl)phthalate	0.21	~ <del>0.086 JB</del> U
85687 218019	Butylbenzylphthalate	0.21	U 0.068 J
117840	DL-n-och/lighthalate	0.21 0.21 0.21	0.066 J 0.051 J
84742	Di-n-butyiphthalate	0.21	0.042 J
53703	DI-n-octylphthalate Di-n-butylphthalate Dibenzola,h]Anthracene Diethylphthalate	ŏ. <u>2</u> i	Ü
84662	Diethylphthalate	0.21	U
131113	Dimethylphthalate Fluoranthene	0.21	<u> </u>
2064 <b>40</b>	Fluoranthene Fluorene	0.21 0.21 0.21 0.21 0.21	Ŋ,
86737 118741	Hexachiorobenzene	0.21 0.21	. Y
87683	Hexachlorobutadiene	0.21	ĭ
77474	Hexachlorocyclopentadiene	0.21 0.62	Ŭ
67721	Hexachlorocyclopentadiene Hexachloroethane	0.21 0.21 0.21	Ŭ
193395	Indeno[1,2,3-cd]pyrene Isophorone	0.21	<u>u</u>
78591 634647	Isophorone	0.21	טטטטטטטטטטטטטטטטטטטטטטט
621647 62759	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine	0.21	ŭ
86306	N-Nitrosodiphenylamine	0.21 0.21 0.21 0.21 0.21	ŭ
91203	Naphthalene	ŏ.21	0.042 J
98953	Nitrobenzene	0.21	
87865	Pentachlorophenol	0.21	U .
85018	Phenanthrene	0.21	- 0.099 J
108952 129000	Phenol Pyrope	0.21 0.21	U . U
128000	Pyrene	0.21	U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20289

Client Id: PG-UST2-3-120100S

Data File: FS3669

Date Analyzed: 8 Dec 2000 20:11

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

49

Percent Solids: 81

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3,300	-3.0 JB U
. 2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.670	-447 AB- U
3		unknown	4.460	1.91 B U
4	031295-56-4	Dodecane, 2,6,11-trimethyl-	8,510	0.17 <b>J</b>

Total Tentatively Identified Concentration

Control File h:\import\64115.txt

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20290(5X)

Matrix: Soil

Client Id: PG-UST2-3-120100SO5B

Initial Volume: 30g

Data File: FU2657

Final Volume: 3ml

Date Analyzed: 8 Dec 2000 22:34

Dilution Factor: 5

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 60

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Con	centr	ation	

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	4.2 4.2 0.83	כטעעעעע
95501	1,2-Dichlorobenzene	4.2	Ų
122667	1,2-Diphenylhydrazine	0.83	Ų
541731	1,3-Dichlorobenzene	4.2	Ü
106467	1.4-Dichlorobenzene	4.2	U
88062	O'A C Trichlerenhenel	4.2	a a U
120832	2,4-0:chlorophenol 2,4-Dimethylphenol	4.2	U
105679	2,4-Dimethylphenol	42	U
51285	2,4-Dinitrophenol	83	
121142	2,4-Dinitrophenol 2,4-Dinitrotoluene	42	Ü
606303	2,6-Dinitrotoluene	42	y di V
606202 91587	2-Chloronanhthalene	42	Ū
05578	2-Chloronaphthalene 2-Chlorophenol	42	Ü U U
95578 88755	2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	42	Ŭ
91941	3 3' Dichlorobenzidine	4.5	Ŭ
121142	4.6. Dinitro-2-methylphenol	4.5	Ŭ
101553	4. Bromonhenyl-nhenylether	42	Ū
59507	4 Chloro-3 methylphenol	42	. Ū
7005723	4 Chlorophenyl-phenylether	4.5	Ŭ
	4-Chlorophenyl-phenylether 4-Nitrophenol	45	ָ ט ט ט
100027 83329	Acenaphthene	7.5	5.1
	Acenaphthylene	7.5	~ü
208968	Anthracene	7.5	ŭ
120127	Benzidine	ลี สิ	U U U
92875	Denziulie Bezzelelenthroppe	4.2	44
56553	Benzola anthracene Benzola pyrene Benzolo fluoranthene	7.5	5.8 6.8 1.1 J 2.3 J
50328	Benzolalpyrene	4.2	Řã
205992	Benzolah ilpandana	7.5	11.1
191242	Benzold Muses ethore	ぶち	23.1
207089	Benzolg h.jiperylene Benzolg h.jiperylene Benzolg fluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethy))Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate	7.5	2.00
111911	Bis(2-Unioroethoxy)methane	7.2	U U U U 15 U U U
111444	Bis(2-Uniorbethyr)Ether	7.2	. й
108601	Bis(2-Chloroisopropyr)etriel	7.5	ŭ
117817	Bis(2-Ethylnexyl)phthalate	7.2	ĭ
85687	Dulyinerzyiprilinalate	7.2	15
218019	Chrysene	7.5	ίĭ
117840	DI-n-octylphthalate Di-n-butylphthalate Dibenzola,h]Anthracene	4.2	ĭ
84742	Di-n-butyipninalale	4.2	ĭi
53703	Dibenzoja, njanunracene	7.2	ĭ
84662	Diethylphthalate	7.5	ŭ
131113	Dimethylphthalate	7.5	6.1
206440	Fluoranthene	7.5	~;;
86737	Fluorene	7.2	. й
118741	Hexachlorobenzene	7.5	ŭ
87683	Hexachlorobutadiene	4.4	H
77 <u>474</u>	Hexachlorocyclopentadiene Hexachloroethane	43	ĭ
67721	Hexachioroethane	4.2	й
193395	Indeno[1,2,3-cd]pyrene	4.2	ĭ
78591	Isophorone	4.4	й
621647	N-Nitroso-Di-N-Propylamine	44444444444444444444444444444444444444	000000000000000000000000000000000000000
62759	N-Nitrosodimethylamine	4.2	X
86306	N-Nitrosodiphenylamine	4.2	
91203 98953	Naphthalene	4.2	ប្តី
98953	Nitrobenzene	4.2	ŭ .
87865	Pentachlorophenol	4.2	ູນ
85018	Phenanthrene	4.2	9.2 U
108952	Phenol .	4.2	
129000	Pyrene	4.2	31

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20290(5X)

Matrix: Soil

Client Id: PG-UST2-3-120100S

Initial Volume: 30g

Data File: FU2657

Final Volume: 3ml

Date Analyzed: 8 Dec 2000 22:34

Dilution Factor: 5

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 60

Hit	Cas Number	Compound	RT	Concentration mg/Kg	
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.290	50 J AB	- U
2		unknown hydrocarbon	7.160	13 <i>J</i>	,
3	000581-40-8	Naphthalene, 2,3-dimethyl-	9.090	14 J	
4	002131-42-2	Naphthalene, 1,4,6-trimethyl-	9.830	17 J	
: 5	000829-26-5	Naphthalene, 2,3,6-trimethyl-	9.930	21 J	
6	•	unknown	10.210	26 J	
. 7	000529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	10.650	13 <i>J</i>	
8	000529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	10.750	? 21 J	55
9	001430-97-3	9H-Fluorene, 2-methyl-	10.860	13 <i>J</i>	
10		unknown	10.970	19 <i>J</i>	
11		unknown	11.240	20 <i>J</i>	
12	004612-63-9	9H-Fluorene, 2,3-dimethyl-	11.580	13 <i>J</i>	
13		unknown	12.230	24 J	
. 14	016587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	12.410	18 <i>J</i>	
15	001207-15-4	2,8-Dimethyldibenzothiophene	12.520	29 J	* .
16	016587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	12.660	20 <i>J</i>	
17		unknown	12.730	49 <i>J</i>	
18	003674-66-6	Phenanthrene, 2,5-dimethyl-	12.850	38 J	
19	003674-66-6	Phenanthrene, 2,5-dimethyl-	12.960	20 J	
20	er e e e e e e	unknown	13.090	17 J	
21		unknown	13.130	18 <i>J</i>	
22	018694-06-9	[4,4'-Bipyrimidine]-2,2',6(1H,1'H,3H)-tr	13.470	18 <i>J</i>	
. 23		unknown	14.200	16 <i>J</i>	
24	064401-21-4	Pyrene, 1,3-dimethyl-	14.650	16 <i>J</i>	
	the second secon				

Total Tentatively Identified Concentration

unknown

560

17.420

33 *J* 

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20291

Matrix: Soil

Client Id: PG-UST2-3-120100SO07

Initial Volume: 30g

Data File: FU2653

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:53

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 52

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

	CAS#	Compound	PQL/MDL.	(Units: mg/Kg)
•	120821 95501 122667 541731 106467 88062 120832 105679 51285 121142 606202 91587 95578 88755 91941 121142 101553 59507 7005723 109027 83329 208968 120127 92875 56553 50328 205992 191242 207089 111911 117817 85687 218019 117840 84742 53703 84662 131113 206440 86737 118741 87683 7721 193395 7621647 62759 86306 91203 98953 87865 85018 810952 129000	1.2.4-Trichlorobenzene 1.2-Dichlorobenzene 1.2-Dichlorobenzene 1.2-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dimitrophenol 1.4-Dimitrophenol 1.4-Dimitrophenol 1.4-Dimitroblene 1.4-Dimitr	0.32 0.32 0.064 0.332 0.	リンコンフリンフリンフコンフリンコンフリンコンフリンコンフリンコンフリンコンフ

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

## Tentatively Identified Compounds

Sample Number: AB20291

Matrix: Soil

Client Id: PG-UST2-3-120100S

Initial Volume: 30g

Data File: FU2653

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:53

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 52

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3,020	2.2 J
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3,350	31 J AB
3	*	unknown	4.190	1.4 <i>J</i>
4	000108-39-4	Phenol, 3-methyl-	5.900	. 1.4 <i>J</i>
5	000620-17-7	Phenol, 3-ethyl-	6.770	1.6 <b>J</b>
6	000629-50-5	Tridecane	10.720	0.66 <b>J</b>
7		unknown	11.580	1.0 <b>J</b>
8	016587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	12.470	0.70 <b>J</b>
9		unknown	12.710	1.3 <i>J</i>
10	003674-66-6	Phenanthrene, 2,5-dimethyl-	12.820	0.74 J
11	000638-66-4	Octadecanal	14.630	1.6 <i>J</i>
12	000593-45-3	Octadecane	15.780	0.72 <b>J</b>
13		unknow <b>n</b>	15.850	0.74 J
14	000112-95-8	Eicosane	16.580	1.3 <i>J</i>
15		unknown	17:280	0.91 <b>J</b>
16		unknown	17.450	0.64 J
17		unknown	17.540	0.53 <b>J</b>
18		unknown	18.020	1.3 <i>J</i>
19	*	unknown	18.130	2.7 <b>J</b>
20	*	unknown	18.190	4.5 <b>J</b>
21		unknown	18.370	4.0 <i>J</i>
22		unknown	18,530	2.3 J
23		unknown	18.660	1.2 J
24		unknown	18.790	1.7 <i>J</i>
25	001058-61-3	Stigmast-4-en-3-one	18.940	1.0 <i>J</i>

Total Tentatively Identified Concentration

<sup>67</sup> 

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20292

Matrix: Soil

Client Id: PG-FILL10-120100SO2B

Initial Volume: 30g

Data File: FS3672

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 21:16

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 91

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
Set,	120821 95501 122667 541731 106467 88062 120832 105679 51287 95578 88755 91941 121142 101553 59507 7005723	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrobluene 2,6-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chloro-benyl-phenylether	0.18 0.18 0.037 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18	ינ
	100027 83329 208968 120127 92875 56553 50328 205992 191242 207089 111911 117817 85687 218019 117840 84742 53703 84662	4-Nitrophenol Acenaphthene Acenaphthylene Acenaphthylene Anthracene Benzolalanthracene Benzolalanthracene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalfluoranthene Bis(2-Chloroethyl)Ether Bis(2-Chloroethyl)Ether Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene Di-n-octylphthalate Di-n-butylphthalate Diethylphthalate Diethylphthalate Diethylphthalate Diethylphthalate Dimethylphthalate Fluoranthene	0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18	0.069 J 0.054 J U 0.24 0.17 J 0.18 J 0.11 J 0.063 J U U 0.070 JB U 0.23 0.037 J 0.050 J U
	131113 206440 86737 118741 87683 77474 67721 193395 78591 621647 62759	Dimelhylphthalate Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine	0.18 0.18 0.18 0.18 0.15 0.18 0.18 0.18	0.35 U U U 0.078 J U U U U U U U U U U U U U U U U U U U
	86306 91203 98953 87865 85018 108952 129000	N-Nitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol Pyrene	0.18 0.18 0.18 0.18 0.18 0.18 0.18	บ บ บ 0.18 J 0.62

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20292

Client Id: PG-FILL10-120100S

Data File: FS3672

Date Analyzed: 8 Dec 2000 21:16

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

Percent Solids: 91

28

Hit#	Cas Number	Compound	RT Conce	entration mg/Kg
1		unknown	3.270	<del>1.178</del> U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.630	19 J AP U
3		unknown	4.450	0 <del>.72 J B'</del> U
4	000832-64-4	Phenanthrene, 4-methyl-	9.620	0.18 <i>J</i>
5	003674-65-5	Phenanthrene, 2,3-dimethyl-	10.210	0.19 <i>J</i>
6		unknown	10.300	0.16 <i>J</i>
7	010544-50-0	Sulfur, mol. (S8)	10.430	0.24 J
8	002381-21-7	Pyrene, 1-methyl-	11.020	0.19 <i>J</i>
9	002381-21-7	Pyrene, 1-methyl-	11.140	0.15 <i>J</i>
" <b>10</b>	040710-42-7	1-Hentetracontanoi	12.750	0.24 J
11		unknown	13,060	0.27 <i>J</i>
. 12	000630-02-4	Octacosane	13.460	0.52 <b>J</b>
13		unknown	13.860	0.20 J
14		unknown	14.000	1.1 J
15	000630-02-4	Octacosane	14.130	0.31 <i>J</i>
16		unknown	14.810	0.26 <i>J</i>
17		unknown	15.080	0.37 <i>J</i>
18		unknown	15.130	1.1 J
19		unknown	15.200	0.35 <b>J</b>
20		unknown	15.320	0.38 <i>J</i>
21		unknown	15.370	0.33 <i>J</i>
22		unknown	15.470	0.20 <i>J</i>
23		unknown	15.520	0.18 <i>J</i>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20294

Matrix: Soil

Client Id: PG-FILL25-120100SO01

Initial Volume: 30g

Data File: FU2655

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 21:43

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 62

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL.	Concentration (Units: mg/Kg)
_	120821	1,2,4-Trichlorobenzene	0.27 0.27	U
	95501	1,2-Dichlorobenzene	0.27	U
	122667	1,2-Diphenylhydrazine	0.054	Ū
	541731	1.3-Dichlorobenzene	0.27 0.27 0.27	U U
	106467	1,4-Dichlorobenzene	0.27	U
	88062	2,4,6-Trichlorophenol	0.27	U
	120832	2,4-Dichlorophenol	0.2 <u>7</u>	Ŭ
	105679	2,4-Dimethylphenol	0.27	U
	51285	2,4-Dinitrophenol	0. <u>54</u>	Ŭ V V
	121142	2,4-Dinitrotoluene	0.27	y
	606202	2,6-Dinitrotoluene	0.27	
	91587	2-Chloronaphthalene	0.27	ÿ
	95578 88755	2-Chlorophenol 2-Nitrophenol	U.21	H
	91 <b>941</b>	3,3'-Dichlorobenzidine	0.27	ŭ
	121142	4,6-Dinitro-2-methylphenoi	0.27	ă .
	101553	4-Bromophenyl-phenylether	0.27	Ĭ,
	59507	4-Chioro-3-methylphenol	0.27	H
	7005723	4-Chlorophenyl-phenylether	0.27	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטט
	100027	4-Nitrophenol	0.27	ŭ
•	83329	Acenaphthene	0.27	Ü
	208968	Acenaphthylene	0.27	Ü
	120127	Anthracene	0.27	U
	92875	Benzidine	0.54	U
	56553	Benzolajanthracene	0.27	0.07 <u>0</u> J
	50328	Benzo a pyrene Benzo b iluoranthene	0.27	2.0
	205992	Benzolojiluorantnene	0.27	0.1 <u>1</u> J
	191242 207089	Benzolg h,ilperylene Benzolk fluoranthene Bis(2-Chloroethoxy)methane	0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0.055 J
	111911	Bis (2-Chloroethow) methane	0.27	0.055 3
4.	111444	Bis(2-Chloroethyl)Ether	0.27	ĭi
	108601	Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate	0.27	ŭ
	117817	Bis(2-Ethylhexyl)phthalate	0.27	<u>-0.22 JB</u> U
	85687	Butylbenzylphthálate	0.27	U,
	218019	Chrysene	0.27	0.076 J
	117840	DI-n-octylphthalate Di-n-butylphthalate	0.27	-0.10 d U
	84742	Di-n-butylphthalate	0.27	0.073 J
	53703	Dibenzo[a,h]Anthracene	0.27	ÿ
	84662	Diethylphthalate	0.27	ប្ត
	131113	Dimethylphthalate Fluoranthene	0.27	0.11 J
	206440 86737	Fluorene	0.27	0.113
	118741	Hexachlorobenzene	0.27	
	87683	Hexachlorobutadiene	0.27	ŭ
	77474	Hexachlorocyclopentadiene	0.81	ŭ
	67721	Hexachlorocyclopentadiene Hexachloroethane	0.27	Ŭ
	193395	Indeno[1,2,3-cd]pyrene	0.27	Ŭ
	78591_	Isophorone	0.27	U
	621647	N-Nitroso-Di-N-Propylamine	0.27 0.27 0.27 0.27 0.27 0.27 0.27	ככככככככככ
	62759 86306	N-Nitrosodimethylamine	0.27	Ų
	01202	N-Nitrosodiphenýlamine	0.27	Ŋ.
	91203 98953	Naphthalene Nitrobonzapa	0.2/	អ្ន
	87 <b>865</b>	Nitrobenzene Pentachlorophenol	0.27	
	85018	Phenanthrene	0.27	
	108952	Phenoi	0.27 0.27 0.27 0.27 0.27	й
	129000	Pyrene	0.27	0.1Ŏ J

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20294

Matrix: Soil

Client Id: PG-FILL25-120100S

Initial Volume: 30g

Data File: FU2655

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 21:43

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 62

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.050	2.9 <b>J</b>
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.390	36 J NO V
3	·	unknown	4.200	1.8 J
4		unknown	16.120	0.59 <b>J</b>
5	000593-45-3	Octadecane	16.570	0.51 J
6	007225-64-1	Heptadecane, 9-octyl-	17.360	1.2 <i>J</i>
7		unknown	17.560	0.27 <i>J</i>
8		unknown	17.980	0.28 <i>J</i>
9		unknown	18.080	0.50 J
10		unknown	18.340	0.75 <i>J</i>
11		unknown	18.920	0.37 <i>J</i>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20295

Matrix: Soil

Client Id: PG-FILL25-120100SO03

Initial Volume: 30g

Data File: FU2652

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 20:27

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 51

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration (Units: mg/Kg) PQL/MDL CAS# Compound 0.33 0.33 0.065 0.33 0.33 ,4-Trichlorobenzene -Dichlorobenzene 120821 UUU 95501 122667 541731 106467 88062 2-Diphenylhydrazine 3-Dichlorobenzene 4-Dichlorobenzene 4,6-Trichlorophenol 1,4-Dichlorobenzene
2,4,6-Trichlorophenol
2,4-Dinthorophenol
2,4-Dinthorophenol
2,4-Dinitroblene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2,6-Dinitrotoluene
2-Chlorophenol
2-Nitrophenol
3,3-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
4-Bromophenyl-phenylether
4-Chloro-3-methylphenol
4-Chlorophenyl-phenylether
4-Chloro-3-methylphenol
4-Chlorophenyl-phenylether
4-Nitrophenol
Acenaphthene
Acenaphthene
Benzolajanthracene
Benzolajanthracene
Benzolajanthracene
Benzolajanthracene
Benzolajanthracene
Benzolajanthracene
Benzolajanthracene
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethoxy)methane
Bis(2-Chloroethy)j-Ether
Bis(2-Ethylhexyl)phthalate
Din-n-butylphthalate
Din-n-butylphthalate
Dinenpolajanjahthalate
Dimethylphthalate
Dimethylphthalate
Dimethylphthalate
Pluoranthene
Hexachlorobenzene 0.33 0.11 J 105679 51285 91587 95578 0.333 0.033 100027 83329 208968 92875 56553 0.068 J 205992 191242 207089 111911 111444 108601 117817 85687 218019 0.20 J 0.10 J 0.15 J Fluorene Hexachlorobenzene Hexachlorobutadiene 118741 87683 77474 67721 193395 78591 Hexachloroputadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno[1,2,3-cd]pyrene
Isophorone
N-Nitroso-Di-N-Propylamine
N-Nitrosodiphenylamine
N-Nitrosodiphenylamine 621647 62759 86306 91203 98953 87865 85018 Naphthalene Nitrobenzene Pentachiorophenol Phenanthrene Phenol

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20295

Client Id: PG-FILL25-120100S

Data File: FU2652

Date Analyzed: 8 Dec 2000 20:27

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

Percent Solids: 51

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.020	2.2 J
. 2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.350	-29 J NB
3	000110-43-0	2-Heptanone	3.880	3.7 <i>J</i>
4	000543-49-7	2-Heptanol	4.020	0.90 <i>J</i>
5		unknown	4.190	1.7 J
6		unknown	5.230	2.0 J
	Serger and the services	unknown	8.410	1.4 J
8	000143-07-7	Dodecanoic acid	9.940	11 <b>J</b>
9		unknown hydrocarbon	10.710	0.91 J
10	000544-63-8	Tetradecanoic acid	11.240	18 <i>J</i>
11		unknown	11,580	1.1 <b>J</b>
12	001002-84-2	Pentadecanoic acid	11.750	1.5 <i>J</i>
13	000638-53-9	Tridecanoic acid	12.600	160 <i>J</i>
. 14	056630-52-5	Pyrrolidine, 1-(13-methyl-1-oxotetradecy	15.350	2.1 J
15	033707-76-5	Pyrrolidine, 1-(1-oxooctadecyl)-	16.210	0.84 J
16	007144-08-3	Cholest-5-en-3-ol (3.beta.)-, carbonochl	16.710	1.0 <i>J</i>
17	007616-22-0	.gammaTocopherol	17.230	4.5 <b>J</b>
18	001120-21-4	Undecane	17.360	1.1 <i>J</i>
19		unknown .	17.450	1.3 <i>J</i>
20	000059-02-9	Vitamin E	17.540	3.3 J
21	000057-88-5	Cholest-5-en-3-ol (3.beta.)-	17.610	14 <i>J</i>
22	000000-00-0	ERGOST-5-EN-3.BETAOL	18.020	8.3 J
23	000083-48-7	Stigmasta-5,22-dien-3-ol, (3.beta.,22E)-	18.110	7.6 <b>J</b>
24		unknown	18.210	1.1 J
25	000083-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	18.380	13 <i>J</i>

Total Tentatively Identified Concentration

290

Control File h:\import\64115.txt

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20296

Matrix: Soil

Client Id: PG-FILL25-120100SO05

Initial Volume: 30g

Data File: FU2693

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 16:06

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 71

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.23	U
05504	1.2. Dichlorobenzene	0.23 0.23	Ü
95501 122667	1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.047	. Ŭ.
541731	1.3-Dichlorobenzene	0.23	Ū
106467	1 4-Dichlorobenzene	0.23	v v Ŭ
88062	2.4.6-Trichlorophenol	0.23	Ū
120832	2.4-Dichlorophenol	0.23 0.23	U
105679	2.4-Dimethylphenol	0.23	' · · · · · · · · · · · · · · · · · · ·
51285	1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene	0.47	and the same of
121142	2,4-Dinitrotoluene	0.23	Ü
606202 91587	2,6-Dinitrotoluene	0.23	Ų
<u>91587</u>	2-Chloronaphthalene	0.23	ប្ត
95578	2-Chlorophenol	0.23	Ŭ U
88755	2-Nitropnenoi	0.23	ŭ
91941	3,3-Dishioropenzidine	0.23 0.73	ບ
121142	4,0-Dinitro-2-methylphenol	0.23	ĭ
101553 59507	4 Chlore 3 methylphenyletriei	0.23	Ŭ
7005723	4-Chlorophenyl-phenylether	0.23	Ŭ
1000720	4-Mitrophenol	0.23	Ŭ
100027 83329	Acenanhthene	0.23	U
208968	2,6-Dinitrotoluene 2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthylene	0.23	Ŭ
120127	Anthracene	0.23	Ū
120127 92875	Benzidine	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	U
56553 50328	Benzo[a]anthracene	0.23	Ų
50328	Benzolalanthracene Benzolalpyrene Benzololiluoranthene	0.23	. Ŭ
205992	Benzo[b]fluoranthene	0.23 0.23 0.23 0.23 0.23	· · · · · · · · · · · · · · · · · · ·
191242	Benzolg,n,ijperviene	0.23	ŭ
207089	Benzojkjiluorantnene	0.23	
111911 111444	Bis(2-Chloroethyl)Ether	0.23	ŭ
108601	Benzolg iniorantiene Benzolg in ilperylene Benzolg in ilperylene Bis(2-Chioroethoxy)methane Bis(2-Chioroethoxy)methane Bis(2-Chioroisopropy)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chysene	0.23 0.23 0.23 0.23 0.23	ŭ
117817	Bis(2-Ethylheyy)ohthalate	0.23 0.23 0.23 0.23	<del>-0.10 JB-</del> ()
85687	Butylpenzylphthalate	0.23	Ü
218019	Chrysene	0.23	U
117840	Di-n-octylphthalate Di-n-butylphthalate	0.23	- <del>0.20 J</del> ()
84742	Di-n-butýlphthalate	0.23	0,16 J
53703	Dibenzola h]Anthracene Diethylphthalate	0.23	Ų
84662	Diethylphthalate	0.23	U U
131113 206440	Dimethylphthalate Fluoranthene	0.23 0.23 0.23 0.23 0.23 0.23	. ü
86737	Fluorene	0.23	ŭ
118741	Hexachlorobenzene	0.23	ŭ
118741 87683	Hexachlorobutadiene	0.23	บั
77474	Hexachlorocyclopentadiene Hexachloroethane	0.23 0.70	Ū
67721	Hexachloroethane	0.23	U
193395	Indeno[1,2,3-cd]pyrene	0.23	ũ
78591	Isophorone	0.23	u u u u u u u u u u u u u u u u u u u
621647	Indeno[1,2,3-cd]pyrene Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	ប្ត
62759 86306	N-Nitrosodimethylamine	0.23	U '
86306	N-Nitrosogiphenylamine	0.23	
91203 98953	Naphinaiene	0.23	· U
96953 87865	Nitrobenzene Pentachlorophenol	0.23	ŭ
85018	Phenanthrene	0.23	Ŭ ·
108952	Phenol	0.23	0.12 J
129000	Pyrene	0.23 0.23	ง. <b>เ</b> บิ <b>ง</b>

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20296

Matrix: Soil

Client Id: PG-FILL25-120100S

Initial Volume: 30g

Data File: FU2693

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 16:06

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 71

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.180	1.5 <i>J</i>
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.490	31. J. AB- U
3	000110-12-3	2-Hexanone, 5-methyl-	3.970	0.99 <b>J</b>
4		unknown	4.320	1.5 <i>J</i>
5		unknown	5.110	0.48 J
6		unknown	5.350	1.0 <i>J</i>
7	000124-07-2	Octanole acid	6,950	1.6 J
8	024927-67-1	Octanoic acid, silver(1+) salt	7.040	1.8 <i>J</i>
9	000112-12-9	2-Undecanone	7.940	0.90 J
10	000143-07-7	Dodecanoic acid	10.060	9.0 J
11	000544-63-8	Tetradecanoic acid	11.330	14 J
12		unknown	11.710	0.56 <i>J</i>
13	000544-63-8	Tetradecanoic acid	11.850	1.3 <i>J</i>
. 14	000057-10-3	Hexadecanoic acid	12.700	130 <i>J</i>
15	001120-16-7	Dodecanamide	14,620	6.8 <b>J</b>
16	033707-76-5	Pyrrolidine, 1-(1-oxooctadecyl)-	15.470	1.6 <i>J</i>
17	000112-95-8	Eicosane	16.310	0. <b>91</b> <i>J</i>
18.	007616-22-0	.gammaTocopherol	17.360	1.3 <i>J</i> · · · ·
19	000112-95-8	Eicosane	17.500	0.52 <b>J</b>
20	000059-02-9	Vitamin E	17.680	0.82 <b>J</b>
21	000057-88-5	Cholest-5-en-3-ol (3.beta.)-	17.740	3.3 <i>J</i>
22	C00000-00-0	ERGOST-5-EN-3.BETA,-OL	18.160	1.3 <i>J</i>
23	000083-48-7	Stigmasta-5,22-dien-3-ol, (3.beta.,22E)-	18.260	1.8 <i>J</i>
24	000083-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	18.540	2.8 J
25		unknown	18.590	0.47 <b>J</b>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20297(R)

Matrix: Soil

Client Id: PG-L-01-120100SO02

Initial Volume: 30g

Data File: FU2697

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 18:36

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/11/2000

Percent Solids: 42

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.40	ロジゴ
95501	1.2-Dichlorobenzene	0.40	Ul
95501 122667	1,2-Diphenylhydrazine	0.079	U \
5417 <b>31</b>	1.3-Dichlorobenzene	0.40	u l
106467	1,4-Dichlorobenzene	0.40	ŭ (
88062	2,4,6-Trichlorophenol	0.40	U I
120832 105679	2,4 Dichlorophenol	0.40 0.40	H H
103079 51395	2,4-Dimethylphenol 2,4-Dinitrophenol	0.79	N I
51285 121142	2.4-Dinitrotoluene	0.40	כבכככככ
606202	2,6-Dinitrotoluene	0.40	ŭ
91587	2-Chloronaphthalene	0.40	ŭl
95578	2-Chlorophenol	0.40	ָט ט ט
88755	2-Nitrophenol	0.40	Ŭ
91941	3,3'-Dichlorobenzidine	0.40	U J
121142	4.6-Dinitro-2-methylphenol	0.40	ų Į
101553	4-Bromophenyl-phenylether	0.40	y (
59507	4-Chloro-3-methylphenol	0.40	y l
7005723	4-Chlorophenyl-phenylether	0.40	N I
100027 83329	4-Nitrophenol Acenaphthene	0.40 0.40	N 1
208968	Acenaphthylene	0.40	N I
120127	Anthracene	0.40	ĭ l
92875	Benzidine	ŏ. <del>7</del> 9	йI
56553	Benzo[a]anthracene	0.40	ŭΙ
50328	Benzola pyrene	0.40	ΰ
205992	Benzolajpyrene Benzolbjilijoranthene	0.40	ככבככככככככ
191242	Benzolg,h,i]perylene Benzolk]fluoranthene	0.40	Ų Į
207089	Benzokliluoranthene	0.40	N 1
111911	Bis(2-Chloroethoxy)methane	0.40	N I
111 <del>444</del> 108601	Bis(2-Chioroethoxy)methane Bis(2-Chioroethyl)Ether Bis(2-Chioroisopropyl)ether Bis(2-Ethylhexyl)phthalate	0.40 0.40	ŭ <b>↓</b> -
117817	Ris(2-Ethylheyd)nhthalate	0.40	nazia UJ
85687	Butylbenzylphthalate	0.40	U -T
218019	Chrysene	0.40	ŭ ŭŝ
117840	Di-n-octylphthalate	0.40	0.15 JB U J
84742	<ul> <li>Di-n-butylohthalate</li> </ul>	0.40	0.10 JB U J
53703	Dibenzola,h]Anthracene Diethylphthalate	0.40	ししいて
84662	Diethylphthalate	0.40	Ů, J
131113	Dimethylphthalate Fluoranthene	0.40	N I
206440	Fluorene	0.40 0.40	H 1
86737 118741	Hexachlorobenzene	0.40	H I
87683	Hexachlorobutadiene	0.40	ŭ
77474	Hexachlorocyclopentadiene	1.2	ŭ
67721	Hexachlorocyclopentadiene Hexachloroethane	0.40	Ŭ Į,
193395	indeno[1,2,3-cd]pyrene	0.40	U
78591	Isophorone	0.40	מכננננננננננננננ
621647	N-Nitroso-Di-N-Propylamine	0.40	ų j
62759 86306	N-Nitrosodimethylamine	0.40 0.40	ΗÍ
91203	N-Nitrosodiphenýlamine Naphthalene	0.40	H I
98953	Nitrobenzene	0.40 0.40	X /
878 <b>65</b>	Pentachlorophenol	0.40	H 1
85018	Phenanthrene	0.40	ŭł
108952	Phenol	0.40	. ŭ (
129000	Pyrene	0.40	ŭ

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20297(R)

Matrix: Soil

Client Id: PG-L-01-120100SO0

Initial Volume: 30g

Data File: FU2697

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 18:36

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/11/2000

Percent Solids: 42

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.140	<del>0.49 √ B.</del> U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	20 J AB (
3		unknown	4.290	-0.81 J B V
4		unknown	5.320	1.4 J
5	•	unknown	8.230	0.64 <b>J</b>
6	000143-07-7	Dodecanoìc acid	9.970	3.4 <i>J</i>
7	000544-63-8	Tetradecanoic acid	11.300	9.6 <i>J</i>
8	000057-10-3	Hexadecanoic acid	12.760	300 J
9	000000-00-0	HEPTADECENE-(8)-CARBONIC ACID-(1)	13.640	34 <i>J</i>
10		unknown	14.430	1.3 J
11	000629-99-2	Pentacosane	15.490	1.7 J
12	000593-45-3	Octadecane	16.710	0.51 <i>J</i>
13	000630-06-8	Hexatriacontane	17.100	0.66 <b>J</b>
14	007616-22-0	.gammaTocopherol	17.350	1.0 J
15	•	unknown	17.610	0.77 <b>J</b>
16	000059-02-9	Vitamin E	17.670	2.6 J
17		unknown	17.730	0.72 J
18		unknown	17.880	0.65 J
19	000000-00-0	ERGOST-5-EN-3.BETAOL	18.160	2.2 J
20	000083-48-7	Stigmasta-5,22-dien-3-ol, (3.beta.,22E)-	18.260	1.3 <i>J</i>
21		unknown	18.380	1.4 J
22	000083-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	18.550	17 J
23		unknown	18.600	3.3 <i>J</i>
24		unknown	18.760	0.47 <b>J</b>
25	•	unknown	19.000	0.49 <b>J</b>

Total Tentatively Identified Concentration

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20298

Matrix: Soil

Client Id: PG-L-01-120100SO04

Initial Volume: 30g

Data File: FU2666

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:48

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821 95501 122667 541731 106467 88062 120832 105679 51285 121142 606202 91587 95578 88755 91941 121142 101553 59507 7005723 100027 83329 208968 120127 92875 56553 50328 205992 191242 207089 111911 111444 108601 117817 85687 81782 117840 84742 53703 84662 131113 206440 86737 118741 87683 77474 193395 78591 621647	1.2.4-Trichlorobenzene 1.2-Dichlorobenzene 1.2-Diphenylhydrazine 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 2.4.6-Trichlorophenol 2.4-Dimethylphenol 2.4-Dimitrophenol 2.4-Dinitrodiuene 2.6-Dinitrodiuene 2.6-Dinitrodiuene 2Chloronaphthalene 2Chlorophenol 3.3'-Dichlorobenzidine 4.6-Dinitro-2-methylphenol 4.Bromophenyl-phenylether 4.Chloro-3-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthylene Anthracene Benzola]anthracene Benzola]pyrene Benzola]pyrene Benzola]hilporanthene Bis(2-Chloroethyx)methane Bis(2-Chloroethyx)methane Bis(2-Chloroethyx)methane Bis(2-Chloroethyy)phthalate Butylbenzylphthalate Chrysene Di-n-octylphthalate Din-octylphthalate Din-octylphthalate Dibenzola,njAnthracene Diethylphthalate Fluoranthene Fluorene Hexachlorobutadiene Hexachlorobutadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone	0.21 0.21 0.24 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	Concentration (Units: mg/Kg)  U  U  U  U  U  U  U  U  U  U  U  U  U
621647 62759 86306 91203 98953 87865 85018 108952 129000	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol Pyrene		U U U U U U U U U U U U U U U U U U U

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### $Form 1e/1f \\ {\tt ORGANICS SEMIVOLATILE REPORT}$ Tentatively Identified Compounds

Sample Number: AB20298

Matrix: Soil

Client Id: PG-L-01-120100SO0

Initial Volume: 30g

Data File: FU2666

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:48

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 79

				•	
Hit#	Cas Number	Compound	RT	Concentration mg/Kg	
1	·. ·	unknown	2.810	0.27 <b>J</b>	
2		unknown	3.180	4.4 J	
3	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.520	54 J AB	
4		unknown	3.950	0.23 <b>J</b>	
5		unknown	4.320	2.7 J	
6	•	unknown	5.100	0.26 <b>J</b>	
7	017301-23-4	Undecane, 2,6-dimethyf-	7.270	0.23 <b>J</b>	
8	002051-30-1	Octane, 2,6-dimethyl-	7.760	0.41 J	
9		unknown	8.210	0.28 J	
10	018344-37-1	Heptadecane, 2,6,10,14-tetramethyl-	9.220	0.39 J	
11	035599-77-0	Tridecane, 1-iodo-	10.840	0.22 <b>J</b>	
12	000084-74-2	1,2-Benzenedicarboxylic acid, dibutyl es	11.830	0.35 <i>J</i>	
13	000629-78-7	Heptadecane	13.130	0.35 <i>J</i>	
14	076319-77-2	10-Methoxybenz[a]azulen-1,4-dione	13.260	0.25 <b>J</b>	
15	000593-49-7	Heptacosane	13.640	0.41 <i>J</i>	
16	000593-49-7	Heptacosane	14.140	0.56 <i>J</i>	
17	000630-06-8	Hexatriacontane	14,610	0.46 <b>J</b>	
18	007098-21-7	Tritetracontane	15.050	0.77 <b>J</b>	
19	, 000544-85-4	Dotriacontane	15.490	0.37 <b>J</b>	
20		unknown hydrocarbon	15.790	0.30 J	
21	006971-40-0	17-Pentatriacontene	15.910	0.75 <b>J</b>	
22		unknown	16.250	0.27 <b>J</b>	
23	000638-68-6	Triacontane	16.710	0.30 <i>J</i>	
24	,	unknown	18.170	0.26 <i>J</i>	
25		unknown	18.540	1.7 J	

Total Tentatively Identified Concentration

70

A - Indicates an aldol condensate. J - Indicates an estimated value

B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20305

Matrix: Soil

Client Id: PG-PD-5-120200SO01

Initial Volume: 30g

Data File: FU2656

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 22:09

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 88

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film  Concentration					
CAS#	Compound	PQL/MDL	(Units: mg/Kg)		
120821 122667 541731 106467 88062 120832 105679 51285 121142 606202 91587 95578 88755 91941 121142 101553 59507 7005723 100027 83329 208968 120127 92875 56553 50328 205992 191242 207089 111911 117817 85687 218019 117817 85687 218019 117840 84742 53703 84662 131113 2064440 86737 118741 87683 77474 67759 866306 91203 98955 78591 621647 62759 866306 91203 98955 87865 85018 108952 129000	1.2,4-Trichlorobenzene 1.2-Diphenylhydrazine 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 2.4.6-Trichlorophenol 2.4-Dimethylphenol 2.4-Dimitrofoluene 2.6-Dimitrofoluene 2.6-Dimitrofoluene 2.6-Dimitrofoluene 2.6-Dinitrofoluene 2.6-Dinitrofoluene 2.6-Dinitrofoluene 2.6-Dinitrofoluene 2.6-Dinitrophenol 3.3'-Dichlorobenzidine 4.6-Dinitro-2-methylphenol 4.Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 8-Enzolajnthracene 8-enzolajnthracene 8-enzolajnthracene 8-enzolajnthracene 8-enzolajltuoranthene 8-enzolajnthracene 8-enzolajnthracene 8-enzolajnthracene 9-enzolajnthralate 9-enz	0.19891999999999999999999999999999999999	リリンションションションションコココココココココココココココココココココココココ		
123000	, jiche	0.19	0.10 3		

#### Total Target Concentration 1.8

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Formle/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20305

Matrix: Soil

Client Id: PG-PD-5-120200SO0

Initial Volume: 30g

Data File: FU2656

Final Volume: 1ml

Dilution Factor: 1

Date Analyzed: 8 Dec 2000 22:09

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 88

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	003102-33-8	3-Penten-2-one, (E)-	2.150	0.49 J
. 2		unknown	2.190	2.0 <b>J</b>
3	000141-79-7	3-Penten-2-one, 4-methyl-	2.760	2.0 <b>J</b>
4	000141-79-7	3-Penten-2-one, 4-methyl-	2.820	7.8 <b>J</b>
5		unknown	3.010	3.6 <b>J</b>
6		unknown	4.820	47 <b>J</b>
7		unknown	5.250	3.5 <b>J</b>
8		unknown	5.480	1.9 J
9	000371-41-5	Phenol, 4-fluoro-	5.700	0.45 J
10		unknown	6.000	1.4 <i>J</i>
11		unknown	6.500	0.55 <b>J</b>
12		unknown	6.610	0.75 <b>J</b>
13		unknown	6.910	3.5 <i>J</i>
14		unknown	7.110	9.0 <i>J</i>
15		unknown	7.180	0.28 J
16		unknown	7.280	0.30 <i>J</i>
17		unknown	7.730	0.26 <b>J</b>
18		unknown	8.360	0.18 <i>J</i>
19	000629-78-7	Heptadecane	10.720	0.27 <i>J</i>
20	035599-77-0	Tridecane, 1-iodo-	11.920	0.15 J
21		unknown	16.390	0.29 <b>J</b>
22		unknown	17.400	0.43 <i>J</i>
23		unknown	17.730	0.22 J

Total Tentatively Identified Concentration

86

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20306

Matrix: Soil

Client Id: PG-PD-5-120200SO02

Initial Volume: 30g

Data File: FU2667

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 16:14

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 89

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	0.19	U
95501	1.2-Dichlorobenzene	0.19	Ŭ V v v v v v v v v v v v v v v v v v v v
122667	1.2-Diphenylhydrazine	0.037	
541731	1,3-Dichlorobenzene	0.19	Ū
106467	1.4-Dichlorobenzene	0.19	й чч й
88062	2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol	0.19	ta a ta a a a a a a a a a a a a a a a a
120832	2.4-Dichlorophenol	0.19	ŭ
105679	2 4 Dimethylphenol	0.19	ŭ
51285	2,4-Dinitrophenol	0.37	Ŭ U U
51285 121142	2.4-Dinitrotoluene	0,57	<b>X</b>
606202	2.4 Dinitrologuene	0.19 0.19	Ŭ U U
04507	2,6-Dinitrotoluene 2-Chloronaphthalene	0.19	Ŋ.
91587	2-Chioronaphthalene	0.19	· · ·
95578	2-Chlorophenol	0.19	ų.
88755	2-Nitrophenoi	0.19	ŭ
91941	2-Nitrophenol 3,3'-Dichlorobenzidine	0.19	Ŭ
121142	4,6-Dinitro-2-methylphenol	. 0.19	Ų,
101553	4-Bromophenyl-phenylether	0.19	U U U
59507	4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.19	U.
7005723	4-Chlorophenyl-phenylether 4-Nitrophenol	0.19	Ü. U
100027	4-Nitrophenol	0.19	U
83329	Acenaphthene Acenaphthylene	0.19	U
208968	Acenaphthylene	0.19	U
120127	Anthracene	0.19	U
92875	Benzidine	0.37	Ū
92875 565 <b>53</b>	Denzelelenthronne	0.19	Ũ
50328	Benzolalpyrene	0.19	Ū
205992	Benzolalpyrene Benzolalpyrene Benzoly, h. ilperylene Benzolk/fluoranthene Benzolk/fluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoxy)methane	0.19	טעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעע
191242	Benzola h ilnerviene	0.19	<u>I</u>
207089	Benzolkifluoranthene	0.19	ŭ
111911	Bis/2-Chloroethow)methane	0.19	ŭ
111444	Ris(2-Chloroethy)Ether	0.19	ŭ
08601	Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	0.19	· · · · · · · · · · · · · · · · · · ·
17817	Rie/2-Ethylhesyl)nhthalate	0.19	0.12 IB U
85687	Buttiben zun bib belete	0.19	U
249040	Chrysene	0.19	ñ .
117840	Di n condentinalete	0.19	0.085 JB
847 <b>42</b>	Di o bublishtholata	0.19	U U U
53703	Dibonzola hi Anthronoma	0.19	Ŋ
53703 846 <b>62</b>	Oilysette Di-n-octylphthalate Di-n-butylphthalate Dibenzo[a,h]Anthracene Diethylphthalate	0.19	Ŭ U
0 <del>400</del> 2 131113	Dimethylphthalate	0.19 0.19	ŭ
131113	Dimethylphthalate Fluoranthene	0.19	
206440	riuoraninene	0.19	טטטטטטטטטטטטטטטטטטטטטטט
86737	Fluorene	0.19	Ŋ.
118741	Hexachlorobenzene	0.19 0.19	ប្ត
87683	Hexachlorobutadiene	Ų. <u>19</u>	ŭ
77 <u>47</u> 4	Hexachlorocyclopentadiene Hexachloroethane	0.56	
67721	Hexachioroethane	0.19	Ų
193395	indeno[1,2,3-cd]pyrene	0.19	u
78501	ISANDARANA	0.19	. U
78 <b>591</b> 621 <b>647</b>	N-Nitrosodimethylamine	0.19	. <b>u</b>
6275 <b>9</b>	N-Nitrosodimethylamine	0.19	บ
86306	N-Nitrosodiphenylamine Naphthalene	0.19	Ŭ
91203	Naphthalene	0.19	Ũ
98953	Nitrobenzene	0.19	ŭ
<b>:</b>	Pentachlorophenol	0.19	ŭ
87865			
87865 35018	Phenanthrene		ĭi
85018	Phenanthrene Phenol	0.19 0.19	ככככככככככ

#### Total Target Concentration 0.21

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

#### Formle/lf ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20306

Client Id: PG-PD-5-120200SO0

Initial Volume: 30g

Matrix: Soil

Data File: FU2667

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 16:14

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 89

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.110	0.29 J B
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	-14-1-AB V
3		unknown	4.290	0.50 J B
4		unknown	16.250	0.28 J

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20307

Matrix: Soil

Client Id: PG-PD-4-120200SO05

Initial Volume: 30g

Data File: FU2668

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 16:39

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 82

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

	CAS#	Compound	PQL/MDL	(Units: mg/Kg)
	120821	1,2,4-Trichlorobenzene	0.20 0.20	Ų
	95501 122667	1,2-Dichlorobenzene	0.20 0.041	Y
	541731	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.041	Ŭ U U U
	106467	1.4-Dichlorobenzene	0.20 0.20	ŭ
	88062	2,4,6-Trichlorophenol	0.20	Ŭ
	120832	2.4-Dichlorophenol	0.20 0.20	ŭ
	105679	2.4-Dimethylphenol	0.20	U
	512 <b>85</b>	2,4-Dinitrophenol	0.41	Ŭ
	121142	2,4-Dinitrololuene 2,6-Dinitrololuene 2-Chloronaphthalene 2-Chlorophenol	0.20 0.20	Ŋ
	606202 91587	2,0-Dinitrololuene	0.20 0.20	H H
	95578	2-Chlorophenol	0.20	ĭi
	88755	2-Nitrophenoi	0.20 0.20 0.20 0.20 0.20	ŭ
	91941	3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol	0.20	ŭ
	121142	4,6-Dinitro-2-methylphenol	0.20	. U
•	101553 59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.20	Ų ·
	59507 7 <b>005723</b>	4-Chloro-3-methylphenol	0.20	Ŋ
	100027	4-Chlorophenyl-phenylether 4-Nitrophenol	0.20 0.20 0.20 0.20 0.20	K
	83329	Acenaphthene	0.20	
	208968	Acenaphthylene	0.20	ŭ
	120127 92875	Anthracene	0.20 0.20 0.20	Ū
	92875	Benzid <b>ine</b>	0.41	· Ų
	56553	Benzo[a]anthracene	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	ככנכנכככככ
	50328 205992	Benzolalpyrene	0.20	Ŋ
	191242	Benzoja pyrene Benzoja jiluoranthene Benzoja, h, ijperviene Benzoj ki fluoranthene	0.20	ដ
	207089	Benzolkifluoranthene	0.20	ŭ
	111911	Bis(2-Chioroethoxy)methane Bis(2-Chioroethyl)Ether Bis(2-Chioroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	0.20	Ŭ
	111444	Bis(2-Chloroethyl)Ether	0.20	
	108601	Bis(2-Chloroisopropyl)ether	0.20	Ü
	117817	Bis(2-Etnylnexyl)phthalate	0.20	<del>0.11 JB</del> U
	85687 218019	Chrysene Chrysene	0.20	ប
	117840	Di-n-oct/Inhthalate	0.20	0 <del>.075 JB -</del> U
	847 <b>42</b> 537 <b>03</b>	Di-n-butylphthalate	0.20	0.093 J
	537 <b>03</b>	Di-n-butylphthalate Dibenzola, h]Anthracene Diethylphthalate Dirnethylphthalate	0.20	Ü
	84662	Diethylphthalate	0.20	Ų.
	131113 206440	Fluoranthene	0.20	Ų
	86737	Fluorene	0.20	ĭi .
	86737 118741	Hexachlorobenzene	0.20	ប័
	8 <b>7683</b>	Hexachlorobutadiene	0.20	Ŭ
	77474	Hexachlorocyclopentadiene	0.61	Ų
	67721 193395	Hexachloroethane	0.20	Ų
	78 <b>591</b>	Indeno[1,2,3-cd]pyrene Isophorone	0.20	Ŋ.
	621647	N-Nitroso-Di-N-Propylamine	0.20 0.30	, i
	62759	N-Nitrosodimethylamine	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	ככככככככככככככ
	863 <b>06</b>	N-Nitrosodiphenylamine	ŏ. <b>2</b> ŏ	ŭ
	91203	N-Nitrosodiphenylamine Naphthalene	0.20	Ŭ
	98953	Nitrobenzene	0.20	ü
	878 <b>65</b> 8501 <b>8</b>	Pentachlorophenol	0.20	Ŋ.
	108952	Phenanthrene Phenol	U.∠U 0.20	N N
	129000	Pyrene	0.20 0.20	ŭ

#### Total Target Concentration 0.28

U- Indicates the compound was analyzed but not detected.
J- Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20307

Matrix: Soil

Client Id: PG-PD-4-120200SO0

Initial Volume: 30g

Data File: FU2668

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 16:39

Dilution Factor: 1

22

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 82

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.170	0.31 J G V
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.480	18. J. AB U
3		unknown	4.320	0.74 J B U
4	002425-54-9	Tetradecane, 1-chloro-	5.240	0.19 J
5		unknown	7.360	0.18 <b>J</b>
6	000585-34-2	Phenol, 3-(1,1-dimethylethyl)-	7.950	0.42 <i>J</i>
7	000112-53-8	1-Dodecanol	10.790	0.20 <i>J</i>
8	074685-33-9	3-Eicosene, (E)-	15.050	0.23 J
9		unknown	15.770	0.36 <i>J</i>
10	006971-40-0	17-Pentatriacontene	15.910	0.33 J
11	000112-95-8	Eicosane	16.710	0.32 J
12	055401-55-3	Docosane, 11-decyl-	17.500	0.23 <i>J</i>
13		unknown	18.520	0.18 J
14		unknown	18.590	0.29 <b>J</b>

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20308

Matrix: Soil

Client Id: PG-A-01-120200SO02

Initial Volume: 309

Data File: FU2669

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 17:05

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 80

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

Concentration (Units: mg/Kg) PQL/MDL CAS# Compound 120821 95501 122667 541731 106467 0.21 0.21 ,2,4-Trichlorobenzene ,2-Dichlorobenzene Diphenylhydrazine Dichlorobenzene Dichlorobenzene 4.6-Trichlorophenol 4.6-Trichlorophenol 4-Dichlorophenol 4-Dimethylphenol 4-Dinitrophenol 4-Dinitrotoluene 20832 6-Dinitrotoluene Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 3,3-Dicnioropenzione 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chioro-3-methylphenol 4-Chiorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthylene Anthracene Benzidine 0.076 J 208968 Benzidine
Benzola|anthracene
Benzola|pyrene
Benzolo|filioranthene
Benzolo|, filperylene
Benzolo|filioranthene
Benzolo|filioranthene
Bis(2-Chloroethoy)|methane
Bis(2-Chloroethoy)|ther
Bis(2-Chloroisopropy)|ether
Bis(2-Ethylhexyl)|phthalate
Butylbenzylphthalate
Chrysene 0.24 0.19 J 0.28 0.10 J 0.26 Butylpenzylphthalate
Chrysene
Di-n-octylphthalate
Di-n-butylphthalate
Dibenzola h]Anthracene
Diethylphthalate
Dimethylphthalate
Fluoranthene
Fluorane 8<del>2</del> U 0.063 J 0.36 U U Fluorene Hexachlorobenzene Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno[1,2,3-cd]pyrene
Isophorone
N-Nitroso-Di-N-Propylamine
N-Nitrosodimentylamine
N-Nitrosodimentylamine 87683 77474 0.10 J 621647

#### Total Target Concentration 3

N-Nitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene Phenol Pyrene

108952

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Sample Number: AB20293

Matrix: Soil

Client Id: PG-FILL10-120100SO04

Initial Volume: 30g

Data File: FU2654

Final Volume: 1ml

Date Analyzed: 8 Dec 2000 21:18

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 42

Column: Supelco 105 m vocol col..5 mm id. 3.0 um film

Column: Superco 105 m vocol col, 5 mm Id, 3.0 um film  Concentration					
CAS#	Compound	PQL/MDL	(Units: mg/Kg)		
120821	1,2,4-Trichlorobenzene	0.40	U U		
95501	1,2-Dichlorobenzene	0.40	Ņ		
122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.079	Ü .		
541731	1,3-Dichlorobenzene	0.40	ii N		
106467	1,4-Dichlorobenzene 2,4-6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dimethylphenol 2,4-Dimethylphenol	0.40 0.40			
880 <b>62</b>	2,4,6-1 richiorophenoi	0.40	ប័		
1208 <b>32</b> 105679	2,4-Dichlolophenol	0.40	· · · · . · . · . · . · .		
51285	2.4-Dinitrophenol	0.79	ŭ		
121142	2.4-Dinitrotoluene	0.40	Ŭ		
606202	2,4-Dinitrotoluene 2,6-Dinitrotoluene	0.40	. Ū.		
91587 95578 88755	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol	0.40			
95 <b>578</b>	2-Chlorophenol	0.40	Ŭ		
88755	2-Nitrophenol	0.40	. <u>U</u>		
91941 121142	3,3'-Dichlorobenzidine	0.40 0.40	Ŭ		
121142	4,6-Dinitro-2-methylphenol	0.40	· U		
101553 59507	4-Bromopnenyi-phenylether	0.40 0.40	ដ		
7005723	3,3"-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether	0,40	ប័		
1000720	4-Nitrophenol	0.40	ŭ		
100027 83329	4-Nitrophenol Acenaphthene Acenaphthylene	9.40	0.14 J		
208968	Acenaphthylene	0.40	U		
120127 92875	Anthracene Benzidine	0.40 0.40 0.79	0.17 J		
92875 56 <b>553</b>	Benzidine	0.79 0.40	0.40		
50328	Penzolalpyrene	0.40 0.40	0.42		
205992	Benzojajanthracene Benzojajpyrene Benzojbjiluoranthene	. 0.40	0.3 <mark>4</mark> J 0.62		
1912 <b>4</b> 2	Benzolg,h,ilperylene	0,40	0.11 J		
207089	Benzo[k]fluoranthene	0.40	0.30 J		
111911	Benzolg, h. ilperylene Benzolk)fluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoy)Ether Bis(2-Chloroisopropy)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chysene	0.40	and the second of the second		
111 <i>444</i> 108601	Bis(2-Chloroethyl)Ether	0.40 0.40	Ų		
117817	Ris/2-Ethylheyyl\nhthalate	0.40	-0.27 JB - ∪		
85687	Butylbenzylphthalate	0.40	Ü		
218019	Chrysene	0.40 0.40	0.43		
117840	DI-ń-octylphthalate	0.40	0.15 J 0.18 J		
84742 5370 <b>3</b>	Di-n-butylphthalate	0.40	0.18 J		
53/03	Dibenzola, njAnthracene	0.40	, U		
846 <b>62</b> 131113	DI-n-octylphthalate DI-n-octylphthalate Di-n-butylphthalate Dibenzola,h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.40 0.40	H		
131113 206440	Fluoranthene	. 0.40	0.67		
867 <b>37</b> 11 <b>8741</b>	riuorene	0.40 0.40	0.15 J		
118741	Hexachlorobenzene	0.40	U		
87683	Hexachlorobutadiene	0.40	ŭ		
77474	Hexachiorocyclopentadiene	1.2	, <u>u</u>		
67721 1933 <b>9</b> 5	Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene	0.40 0.40	0.11 J		
78591	isonhorone	0.40	U.U.S		
621647	N-Nitroso-Di-N-Propvlamine	0.40			
62 <b>759</b>	isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodimethylamine	0.40 0.40	Ū		
86306 91203			Ü 1.9 Ü		
91203	Naphthalene	0.40	1.9		
989 <b>53</b> 878 <b>6</b> 5	Nitrobenzene Pentachiorophenol	0.40	Ü		
85 <b>018</b>	Phenanthrene	0.40 0.40 0.40 0.40	0.58		
108952	Phenol	· U.40			
129000	Pyrene	0.40	0.58		
	-				

#### Total Target Concentration 7.1

U - Indicates the compound was analyzed but not detected. J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f organics semivolatile report Tentatively Identified Compounds

Sample Number: AB20293

Client Id: PG-FILL10-120100S

Matrix: Soil Initial Volume: 30g

Data File: FU2654

Final Volume: 1ml

71

Date Analyzed: 8 Dec 2000 21:18

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 42

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	001534-08-3	Ethanethioic acid, S-methyl ester	2.680	0.41 J
2 .		unknown	3.050	3.8 <i>J</i>
3	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3,390	-50 J AB- (
4		unknown	4.210	2.5 <b>J</b>
5	000079-34-5	Ethane, 1,1,2,2-tetrachloro-	4.270	0.42 <i>J</i>
6		unknown	4.990	0.33 <i>J</i>
7	000124-18-5	Decane	5.140	0.36 J
8	000091-57-6	Naphthalene, 2-methyl-	7.960	0.35 <i>J</i>
9		unknown hydrocarbon	10.370	0.33 J
10	001921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	10.740	0.42 <b>J</b>
11	000072-54-8	p,p'-DDD	13.960	0.38 J
12	000124-25-4	Tetradecanal	14.630	0.38 <i>J</i>
13	000593-45-3	Octadecane	15.770	0.48 🗗
14	054833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	16.580	0.93 J
15		unknown hydrocarbon	17.150	0.79 <b>J</b>
16	000630-06-8	Hexatriacontane	17.360	0.62 <b>J</b>
- 17		unknown	17.400	0.63 <i>J</i>
. 18	000059-02-9	Vitamin E	17.530	0.54 J
19		unknown	17.740	0.88 J
20		unknown	18.070	0.36 J
21	018733-57-8	Silane, trichloroeicosyl-	18.170	2.5 <b>J</b>
22		unknown bydrocarbon	18.350	0.92 <i>J</i>
23		unknown	18.400	1.1 J
24		unknown	18,580	0.57 <b>J</b>
25		unknown	18,930	1.1 🕽

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

### Formle/If ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20308

Client Id: PG-A-01-120200SO0

Data File: FU2669

Date Analyzed: 10 Dec 2000 17:05

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

Percent Solids: 80

1	Iit#	Cas Number	Compound	RT	Concentration mg/Kg
-	1		unknown	3.180	3.1 J B U
	2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.500	431 AG
	3	000110-12-3	2-Hexanone, 5-methyl-	3.980	0.98 J
	4		unknown	4.320	301B
	5		unknown	5.100	0.66 J
	6	000106-44-5	Phenoi, 4-methyl-	6.000	0.38 J
	7	001120-21-4	Undecane	6.250	1.3 <i>J</i>
	8		unknown	7.790	0.35 J
	9	000112-12-9	2-Undecanone	7.960	1.6 J
,	10	000629-50-5	Tridecane	8.010	0.82 <b>J</b>
	11	000334-48-5	Decanoic acid	8.730	5.6 J
	12	000143-07-7	Dodecanoic acid	10.410	82 <i>J</i>
	13	000057-10-3	Hexadecanoic acid	12.610	1.5 <i>J</i>
:	14		unknown	13.530	1.2 J ··· · · · · · ·
	15		unknown hydrocarbon	14.460	1.3 <i>J</i>
	16	*	unknown hydrocarbon	14.920	0.44 J
	17	•	unknown hydrocarbon	15.340	0.70 <i>J</i>
	18	000112-88-9	1-Octadecene	15.780	0.63 <i>J</i>
	19	-	unknown	17.600	0.52 <b>J</b>
	20	0-00-00-0	(E,E,Z)-14-Methyl-16-oxabicyclo(10.3.1)h	17.760	1.2 <b>J</b>
	21	000083-48-7	Stigmasta-5,22-dien-3-ol, (3.beta.,22E)-	18.270	0.9 <b>9</b> J
	22	000083-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	18.540	2.5 <b>J</b>
	23	•	unknown	18.600	0.93 <b>J</b>
	24		unknown	18.840	0.36 J
	25		unknown	18.930	0.84 J
		•			

Total Tentatively Identified Concentration

150

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20309

Matrix: Soil

Client Id: PG-L-04-120200SO01

Initial Volume: 30g

Data File: FU2670

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 17:30

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 93

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.18	ll l
95501	1,2-Dichlorobenzene	0.18	U V
122667	1.2-Dinhenvlhydrazine	0.036	ŭ
541731	1,2-Diphenylhydrazine 1,3-Dichlorobenzene		
106467	1 4-Dichlorobenzene	0.18	ប័
88062	2 4.6-Trichlorophenoi	0.18	. Ŭ
120832	2 4-Dichlorophenol	0.18	ŭ
105679	2.4-Dimethylphenol	0.18	ŭ
51285	2.4-Dinitrophenol	0.36	Ũ
121142 606202	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene 2-Chlorophenol 2,3:1-Dichlorobenzidine	0.18	U
606202	2,6-Dinitrotoluene	0.18	U
91587 95578	2-Chloronaphthalene	0.18	· U
955/8	2-Chlorophenol	0.18	Ų
88755	2-Nitrophenol	0.18	Ņ
91941	3,3-Dichioropenzidine	0.18	Ŋ
121142 101553	2-Nitrophenol 3,3-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol	0.18 0.18	Ķ
59507	4 Chloro 3 mothylphonol	0.18 0.18	,,
7005723	4-Chlorophenyl-phenylether	0.18	, ,
100027	4-Nitrophenol	0.18	H
83329	Acenaphthene	0.18	· ĭ
208968	Acenaphthylene	0.18	ŭ
120127	Anthracene	0.18	ũ
92875	D - a - t - t	0.00	Ū.
56553	Benzo[a]anthracene	0.18	U
50328	Benzo[a]pyrene	0.18	<u>u</u>
205992	Benzolbliluoranthene	0.18	ü
191242 207089	Benzola Benzola Benzola Benzola billuoranthene Benzolg hilluoranthene Benzolg hilluoranthene Benzolg Chlescethow westbane	0.18 0.18	בכבכבבבבבבבבבכככככבככככ
111911	Benzolkifluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoxy)methane Bis(2-Chloroethoxy)methane Bis(2-Chloroisopropy)ether Bis(2-Ethylhexyl)phthalate Bitylbenzylphthalate Chrysene Dl-n-octylphthalate Dl-n-butylphthalate Dibenzola,h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene Fluorene	0.18	Ų
111444	Bis/2-Chloroethyl)Ether	0.18	й
108601	Bis(2-Chloroisopropyl)ether	0.18	บั
117817	Bis(2-Ethylhexyl)phthalate	0.18	0.12.JB V
85687	Butylbenzylphthálate	0.18	
218019	Chrysene	0.18	Ü
117840	DI-n-octylphthalate	0.18	0. <del>073 JB</del> 0
84742	Di-u-pritylbuthalate	0.18	0.091 J
53703 84662	Dibenzoja njAnthracene	0.18	U U
131113	Dimethylphthalate	0.18 0.18	y
206440	Fiuntanthene	0.18	ដ
86737	Fluorene	0.18	й
86737 118741	Hexachlorobenzene	0.18	ŭ
87683	Hexachlorobutadiene	0.18	Ŭ
7 <u>7</u> 474	Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene	0.54	Ū
67721	Hexachloroethane	0.18	Ų
193395	Indeno[1,2,3-cd]pyrene	0.18	ŭ
78591 634.647	isopnorone	0.18	ŭ
621 <b>647</b> 62759	Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	0.18	Ų
86 <b>30</b> 6	N Nitrocodinhamidamine	0.18	Ÿ.
91203	Nanhthalana	0.18 0.18	Y
98953	Nitrobenzene	0.18	H
878 <b>65</b>	Pentachlorophenol	0.18	ij
85018	Phenanthrene	0.18	ŭ
108952	Phenol	0.18	בכככככככככככככ
129000	Pyrene	0.18	Ū

#### Total Target Concentration 0.28

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit. B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

#### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20309

Client Id: PG-L-04-120200SO0

Data File: FU2670

Date Analyzed: 10 Dec 2000 17:30

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

45

Percent Solids: 93

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	,	unknown	2.800	0.16 J
2		unknown	3.160	- <del>3.0 J</del> B ∪
<b>`3</b>	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.510	30 J AB V
4		unknown	3.950	0.16 <i>J</i>
5		unknown	4.320	2.0 J B. V
6		unknown	5.100	0.19 <i>J</i>
7	et a	unknown	14.250	0.15 <i>J</i>
8	The Bull History	unknown	16.260	0.29 J

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20310

Matrix: Soil

Client Id: PG-L-04-120200SO04

Initial Volume: 30g

Data File: FU2664

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 14:58

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.21	ប U
95501	1.2-Dichlorobenzene	0.21	Ū
122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.041	U
541731	1,3-Dichlorobenzene	0.21	Ŭ
106467	1,4-Dichlorobenzene	0.21	
88062	2,4,6- I richlorophenoi	0.21	. "
120832 105679	2,4-Dichlorophenol	0.21 0.21	Ü
51285	2.4-Dinitrophenol	0.21	Ŭ.
121142	1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene	ŏ. <del>2</del> 1	ŭ
606202		0.21	Ŭ
91587 95578	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine	0.21	Ū
95578	2-Chlorophenol	0.21	ŭ
88755	2-Nitrophenol	0.21	. <u>u</u>
91941	3,3-Dichioropenziaine	0.21	Ü
121142 101553	4,6-Dinitro-2-methylphenol	0.21 0.21	
59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.21	Y Y
7005723	4-Chlorophenyl-phenylether	0.21	U U
100027	4-Chlorophenyl-phenylether 4-Nitrophenol	0.21	Ŭ
83329	Acenaphthene	0.21	
208968	Acenaphthene Acenaphthylene	0.21 0.21 0.21 0.21 0.21	Ü
120127 92875	Anthracene	0.21	ŭ
92875	Benzidine	0.41	, <u>ŭ</u>
56553	Benzo[a]anthracene	0.21	U
5032 <b>8</b> 205992	Benzolalitikoranthone	0.21 0.21	Ų
191242	Benzolajantiriacene Benzolajpyrene Benzolojjtiuoranthene Benzolojkjiuoranthene Benzolkjiluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	0.21	Ŭ
207089	Benzolkifluoranthene	0.21	ŭ
111911	Bis(2-Chloroethoxy)methane	0.21	and the second of the second o
" 111444	Bis(2-Chloroethyl)Ether	0.21	Ū
10860 <u>1</u>	Bis(2-Chloroisopropyl)ether	.0.21	U
117817	Bis(2-Ethylhexyl)phthalate	0.21 0.21	- <del>8t 8e0.0-</del>
85687 218019	Chairena	0.21	Ų ·
117840		0.21 0.21	0.069JB- V
117840 84742	Di-n-octylphthalate Di-n-butylphthalate	0.21	0.10 J
53703	Dibenzola.hlAnthracene	0.21	ü
84662	Diethylphthalate	0.21	Ü
131113	Dibenzola h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.21 0.21 0.21 0.21 0.21	Ŭ
206440	Fluoranthene	0.21	ככככככ
86737 118741	Fluorene Hexachlorobenzene	0.21 0,21	Ų
87683	Hexachlorobutadiene	U.ZI 0.21	H
77474	Hexachlorocyclopentadiene	0.21 0.62	ŭ
67721	Hexachlorocyclopentadiene Hexachloroethane	0.21	ŭ
193395	Indeno[1,2,3-cd]pyrene	0.21	ŭ
78591_	Indeno[1,2,3-cd]pyrene Isophorone	0.21	מככככככ
621647	N-Nitroso-Di-N-Propylamine	0.21	y y y ji
62759 86306	N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene	0.21 0.21 0.21	U
91203	Nanhthalene	U.21 0.24	
98953	Nitrobenzene	0.21	ĭ
87865	Pentachlorophenol	0.21	ជ័
85018	Phenanthrene	0.21 0.21 0.21 0.21 0.21	, ŭ
108952	Phenol	0.21	Ū
129000	Pyrene	0.21	Ū

#### Total Target Concentration 0.27

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20310

Matrix: Soil

Client Id: PG-L-04-120200SO0

Initial Volume: 30g

Data File: FU2664

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 14:58

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 81

H	it#	Cas Number	Compound	. RT	Concentration mg/Kg
	1		unknown	3.130	9.31B- V
	2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.490	431 AG U
	3		unknown	3.940	0.18 J
	4		unknown	4.300	23, B. U
	5		unknown	5.090	0.20 <b>J</b>
	6		unknown	15.800	0. <b>27</b> <i>J</i>
	7		unknown	16.25 <b>0</b>	0.17 J

Total Tentatively Identified Concentration

49

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20311

Matrix: Soil

Client Id: PG-L-05-120200SO02

Initial Volume: 30g

Data File: FU2673

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 19:25

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 89

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Con	Concentration			
CAS#	Compound	PQL/MDL	(Units: mg/Kg)	
120821	1.2.4-Trichlorobenzene	0.19	U	
95501	1,2,4 Trichlorobenzene 1,2-Dichlorobenzene	0.19	Ŭ	
122667	1.2-Diphenylhydrazine	0.037	Ŭ	
541731	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.19	Ŭ	
106467	1 4-Dichlorohenzene	0.19	Ŭ U	
88062	2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol	0.19	U .	
120832	2,4-Dichlorophenol	0.19	Ŭ	
105679	2,4-Dimethylphenol	0.19	and the second of the second o	
51285	2,4-Dinitrophenol	0.37 0.19	Ŭ	
121142	/ 4-Dinffroidillene	0.19	Ų.	
606202	2,6-Dinitrotoluene 2-Chloronaphthalene	0.19	ÿ	
91587 95578	2-Chloronaphinaiene	0.19	Ų	
88755	2 Nitrophenol	0.19 0.19	Ų	
91941	3 3'-Dichlerobenzidine	0.19	Y	
121142	4 6-Dinitro-2-methylphenot	0.19	H	
101553	4-Bromonhenvi-phenviether	0.19	ĭ	
59507	4-Chloro-3-methylphenol	0.19	ĭ	
7005723 100027	2-Chlorophenol 2-Nitrophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol	0.19	טעטעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעעע	
100027	4-Nitrophenol	0.19	ŭ	
83329	Acenaphthene	0.19	· Ú	
208 <b>968</b>	Acenaphthylene	0,19	0.10 J	
120127 92875	Anthracene	0.19	0.088 J	
92875	Benzidine	0.37	U	
56553	Benzo[a]anthracene	0.19	0.31	
50328	Benzidine Benzolajanthracene Benzolajpyrene Benzolojliuoranthene Benzoloj, n. ilperylene Benzolkifluoranthene Bis (2-Chioroethoxy)methane Bis (2-Chioroethoxy)ther Bis (2-Chioroisopropy)ether Bis (2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	0.19	0.48	
205992	penzolpjiluorantnene	0.19	0.67	
191242 207089	benzoig,n,ijperyjene	0.19	0.24 0.30	
111911	Bis/2 Chloroothow/mathana	0.19	0.30	
111444	Bis/2-Chloroethyl)Ethor	0.19 0.19	U U	
108601	Bis/2-Chloroisopropylether	0.19	ĭ	
117817	Bis/2-Ethylhexyl)nhthalate	0.19	9134B- U	
85687	Butylbenzylphthalate	0.19		
218019	Chrysene	0.19	0.53	
117840	DI-n-octylphthalate	0.19	0 <del>.078 JB</del> U	
84742 53703	Di-n-butylphthalate	0.19	0.19	
53703	Dibenzoja,h]Anthracene	0.19	0.11 J	
84662 131113	DI-n-octylphthalate Di-n-butylphthalate Dibenzoja n)Anthracene Diethylphthalate	0.19	Ų	
131113	Dimetnyiphthalate	0.19	U	
206440	Fluoranthene	0.19	0.26	
86737 118741	Fluorene Hexachlorobenzene	0.19 0.19	Y	
87683	Hexachlorobutadiene	0.19	Ü Ü U	
77474	Hexachlorocyclonentadiene	0.19	ŭ	
67721	Hexachlorocyclopentadiene Hexachloroethane	0.19	Ŭ	
193395	Indenol1 2 3-cdinyrene	0.19	กวดี	
78591	Indeno[1,2,3-cd]pyrene Isophorone	0.19	0.26 U	
621647	N-Nitroso-Di-N-Propylamine	0.19	บั	
62759	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	0.19	ŭ	
8 <b>6306</b>	N-Nitrosodiphenviamine	0.19	Ŭ	
91203 98953	Naphthalene	0.19	0.061 J	
98953	Nitrobenzene	0.19	ņ	
87865	Pentachlorophenol	0.19	U .	
85018 108952	Phenanthrene Phanal	0.19	0.079 J	
129000	Phenol	0.19	u O 20	
129000	Pyrene	0.19	0.30	

#### Total Target Concentration 4.2

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20311

Matrix: Soil

Client Id: PG-L-05-120200SO0

Initial Volume: 30g

Final Volume: 1ml

Data File: FU2673

Date Analyzed: 10 Dec 2000 19:25

Dilution Factor: 1

20

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 89

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.100	Q641B U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3,430	17.J AB V
3		unknown	4.290	0 <u>65 J B</u>
4	000084-69-5	1,2-Benzenedicarboxylic acid, bls(2-meth	11.840	0.31 J
5		unknown	15.770	0.16 J
6		unknown	16.260	0.46 <i>J</i>
7		unknown	16.390	0.16 J
8	000192-97-2	Benzo[e]pyrene	16.790	0.48 <i>J</i>
9		unknown	17.560	0.17 <i>J</i>
10		unknown	18.770	0.24 <i>J</i>

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20312

Matrix: Soil

Client Id: PG-L-05-120200SO05

Initial Volume: 30g

Data File: FU2671

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 17:55

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/8/2000

Percent Solids: 84

Column: Supelco 105 m vocol col. 5 mm id. 3.0 um film

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film  Concentration				
CAS#	Compound	PQL/MDL	(Units: mg/Kg)	
120821	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,2-Diphenylhydrazine	0.20	U	
95501	1,2-Dichlorobenzene	0.20	Ú	
122667	1,2-Diphenylhydrazine	0.040	U	
5417 <u>31</u>	1,3-Dichlorobenzene	0.20	ñ	
106467	1,4-Dichiorobenzene	0.20	Ŋ	
88062	2,4,0- i richiorophenoi	0.20	Ų	
120832 105679	2,4-Dimethylphenol	0.20	H	
51285	2 4-Dinitrophenol	0.20	ĭ	
51285 121142	2.4-Dinitrotoluene	0.20	Ŭ	
606202	1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chlorophenol 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine	0.20	· Ū	
91587 95578 88755	2-Chloronaphthalene	0.20	Ŭ	
95578	2-Chlorophenol	0.20	ų,	
00/33	2-Nitrophenol	0.20	Ų.	
91941 121142	4 6-Dinitro-2-methylphenol	0.20	й	
101553	4-Bromophenyl-phenylether	0.20	ŭ	
59507	3.3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.20	Ŭ	
59507 7005723	4-Chlorophenyl-phenylether	0.20	Ü	
100027 83329	4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthylene	0.20	ü	
83329 208968	Acenaphthene	0.20	Ŋ.	
120127	Anthracene	0.20		
92875	Benzidine	0.20	H	
56553	Benzolalanthracene	0.20	כבכבבכבכבכבבבבבב	
120127 92875 56553 50328	Benzola pyrene	82488888488888888888888888888888888888	Ŭ	
205992	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)iluoranthene	0.20	ง บ บ	
1912 <b>4</b> 2 207089	Benzo[g,h,i]perylene	0.20	ÿ	
207069 111911	Bis/2-Chloroethory/methano	0.20	ŭ.	
111444	Benzolg, h, ilperylene Benzolg, h, ilperylene Benzolk, fluoranthene Bis(2-Chloroethoxy) methane Bis(2-Chloroethy) Ether Bis(2-Chloroisopropy) ether Bis(2-Ethylhexyl) phthalate Butylbenzylphthalate Chysene	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	ŭ	
108 <b>601</b>	Bis(2-Chloroisopropyl)ether	0.20	. บั	
117817	Bis(2-Ethylhexyl)phthálate	0.20	0.1 <del>8 JB-</del> , ,	
85687	Butylbenzylphthalate	0.20	ų v	
218019		0.20	ال حبيد	
117840 84742 53703	Di-n-octylphthalate Di-n-butylphthalate Dibenzoja,h]Anthracene	0.20	- <del>0.17</del> JB •	
53703	Dibenzola.hlAnthracene	0.20	ŭ	
84662	Diethylphthalate	0.20	Ŭ	
131113	Diethylphthalate Dimethylphthalate Fluoranthene	0.20	· <u>u</u>	
206440 86737 118741	Fluorantnene Fluorene	0.20	Ŭ	
118741	Hexachlorobenzene	0.20	H .	
87683	1 1 to 1 to	0.20	ŭ	
87683 77474	Hexachlorocyclopentadiene	0.60	Ū	
67721	Hexachloroethane	0.20	U	
193395	Indeno[1,2,3-cd]pyrene	0.20	, <u>u</u>	
78591 621 <b>647</b>	Hexachloroputatione Hexachlorocyclopentadiene Hexachlorocethane Indeno[1,2,3-cd]pyrene Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-pitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	, U	
62759	N-Nitrosodimethylamine	0.20 0.20	ij	
62759 86306 91203 98953	N-Nitrosodiphenvlamine	ŏ.20	ŭ	
91203	Naphthalene	ŏ: <b>2</b> ŏ	ប៊	
98953	Nitrobenzene	0.20	Ų	
8/865	i cinacino opijejoj	0.20	ຸ່ນ	
8501 <b>8</b> 1089 <b>52</b>	Phenanthrene Phenol	0.20 0.20	טניניניניניניניניניניניניניניניניניניני	
129000	Pyrene	0.20 0.20	, i	
.=	. ,	0.20	•	

#### Total Target Concentration 0.35

U - Indicates the compound was analyzed but not detected.

J-Indicates an estimated value when a compound is detected at less than the specified detection limit.
B-Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20312

Client Id: PG-L-05-120200SO0

Data File: FU2671

Date Analyzed: 10 Dec 2000 17:55

Date Received/Extracted: 12/4/2000-12/8/2000

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

Percent Solids: 84

Hit#	Cas Number	Compound	RT Cond	centration mg/Kg
1	<u> </u>	unknown	3.110	0.24 j B U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	12-J-813 U
3		unknown	4.290	0.45 J B
4	007098-22-8	Tetratetracontane	15.050	0.17 J
5	007098-22-8	Tetratetracontane	15.490	0.18 <i>J</i>
6		unknown	15.760	0.18 <i>J</i>
7	000630-06-8	Hexatriacontane	15.910	0.19 <i>J</i>
8	054789-40-1	Heptanamide, 4-ethyl-5-methyl-	16.250	0.39 <i>J</i>
9	000638-67-5	Tricosane	16.710	0.16 <i>J</i>

A - Indicates an aldol condensate. J - Indicates an estimated value B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20313

Matrix: Soil

Client Id: PG-D-04-120200SO01

Initial Volume: 30g

Data File: FU2692

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 15:41

Dilution Factor: 1

Date Received/Extracted: 12/4/00-12/8/00

Percent Solids: 85

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

	CAS#	Compound	PQL/MDL	(Units: mg/Kg)
	120821	1,2,4-Trichlorobenzene	0.20	Ų
	95501_	1,2-Dichlorobenzene 1,2-Diphenylhydrazine	0,20	Ų
	122667	1,2-Diphenylhydrazine	0.039	, Ŭ
	541731	1,3-Dichlorobenzene	0.20	Ų
	106467	1,4-Dichlorobenzene	0.20	Ņ.
	88062	2,4,6-Trichlorophenol	0.20	Ŋ,
	120832 105679	2,4-Dichlorophenol	0.20 0.20	נטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט
٠.	51285	2,4-Dimethylphenol 2,4-Dinitrophenol	0.20 0.39	អ
	121142	2,4-Dinitrotoluene	0.20	ŭ
*	606202	2.6-Dinitrotoluene	0.20 0.20 0.20	Ŭ
	91587	2,6-Dinitrotoluene 2-Chlorona phthalene	0.20	Ŭ
	95578	2-Chlorophenol	0.20	U
	88755	2-Chlorophenol 2-Nitrophenol	0.20	Ų
	91941	3 3'-Dichlorobenzidine	0.20	ŭ
	121142	4,6-Dinitro-2-methylphenol	0.20 0.20 0.20	
	101553	4-Bromophenyl-phenylether	0.20 0.20	Ü
	5950 <b>7</b> 7005 <b>723</b>	4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether	0.20	. H
	100027	4-Nitrophenol	0.20	Ŭ
	83329	Acenaphthene	0.20 0.20	ŭ
	208968	Acenaphthylene	0.20	0,15 J
	120127 92875	Anthracené	0.20 0.20	0.14 J
	92875	Benzidine	0.39	U
	56553	Benzo[a]anthracene	0.20	0.52
	50328	Benzo a pyrene Benzo b liuoranthene	0.20	0,54
	205992 191242	Benzoloh ilpaniana	0.20	1.3 0.12 J
	207089	Benzolkifluoranthene	0.20	0.39
	111911	Benzolg, h. i)perylene Benzolg, h. i)perylene Benzolk, fluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoxy) ther Bis(2-Chloroisopropy) ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chysena	0.20 0.20 0.20 0.20 0.20	บั
	111444	Bis(2-Chloroethyl)Ether	0.20	· · · · · · · · · · · · · · · · · · ·
	108601	Bis(2-Chloroisopropyl)ether	0.20	Ū
	1178 <u>1</u> 7	Bis(2-Ethylhexyl)phthalate	0.20	<del>0.13.JB</del> - i,
	85687	Butylbenzylphthalate	0.20 0.20 0.20 0.20	, co
	218019	Citysette	0.20	0.59
	117840 84742	DI-n-octylphthalate Di-n-butylphthalate	0.20	<del>0.16 JB</del> - V 0.11 J
	53703	Dibenzola hlAnthracene	0.20 0.20	0.046 J
	84662	Diethylphthalate	0.20 0.20	บั
	131113	Dimethylphthalate	0.20	U
	206440	Eluoranthene	0.20	0.76
	86737	Fluorene	0.20	U
	118741	Hexachlorobenzene	0.20 0.20	Ü
	8768 <b>3</b> 77474	Hexachlorobutadiene	0.59	ŭ
	67721	Hexachlorocyclopentadiene Hexachloroethane	0.20	ŭ
	193395	Indeno[1,2,3-cd]pyrene	0.20	0.15 J
	78591	Isophorone	0.20	U
	621 <b>647</b>	N-Nitroso-Di-N-Propylamine	0.20 0.20 0.20 0.20	Ŭ
	627 <b>59</b> 8630 <u>6</u>	N-Nitrosodimethylamine	0.20 0.20 0.20 0.20	ü
	86306	N-Nitrosodiphenýlamine	0.20	0.075
	91203 98953	Naphthalene Nitrobenzene	0.20	0.075 J
	878 <b>65</b>	Pentachlorophenol	0.20	ĭi
	85018	Phenanthrene	0.20 0.20	0.41
	108952	Phenol	0.20	ั <sup>-</sup> ับ่
	129000	Pyrene	0.20 0.20	0.82

#### Total Target Concentration 6.4

 $<sup>\</sup>emph{U}$  - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

#### ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20313

Client Id: PG-D-04-120200SO0

Data File: FU2692

Date Analyzed: 11 Dec 2000 15:41

Date Received/Extracted: 12/4/00-12/8/00

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 1

Percent Solids: 85

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	<del> </del>	unknown	3.110	0.27 J B U
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	13 J AB V
3		unknown	4.290	0.46 J B
4		unknown hydrocarbon	5.230	0.18 <i>J</i>
5	000544-76-3	Hexadecane	10.840	0.21 <i>J</i>
6	000117-82-8	1,2-Benzenedicarboxylic acid, bis(2-meth	11.830	0.18 <b>J</b>
7	000629-62-9	Pentadecane	12.590	0.21 <i>J</i>
8	000000-00-0	1,4-DIMETHYL-ANTHRACENE	12.950	0.17 <i>J</i>
9	002381-21-7	Pyrene, 1-methyl-	13.920	0.20 <b>J</b>
10	000082-05-3	7H-Benz[de]anthracen-7-one	14.610	0.17 <b>J</b>
11		unknown	14.750	0.16 <b>J</b>
12	000629-54-9	Hexadecanamide	16.260	0.84 <b>J</b>
13	000192-97-2	Benzo[e]pyrene	16.780	0.35 <b>J</b>
14	000629-50-5	Tridecane	17.490	0.44J
15		unknown	17.880	0.28 <b>J</b>

Total Tentatively Identified Concentration

A - Indicates an aldol condensate. J - Indicates an estimated value.

B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20314

Matrix: Soil

Client Id: PG-D-4A-120200SO05

Initial Volume: 30g

Data File: FS3691

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:43

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 77

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	0.22 0.22	'n
9550 <b>1</b> 122667	1 2-Dichlorobenzene 1 2-Diphenylhydrazine	0.22	ÿ
122667	1,2-Diphenylhydrazine	0.043	ü
541731	1,3-Dichlorobenzene	0.22	U U
106467	1,4-Dichlorobenzene 2,4,6-Trichlorophenol 2,4-Dichlorophenol	0.22	
88062	2,4,6-Trichlorophenol	0.22	Ŭ
120832	2 4-Dichlorophenol	0. <u>22</u> 0.22	Ų.
105679	2.4-Dimethylphenol	· 0.22	Ü
51 <b>285</b>	2,4-Dinitrophenol	0.43 0.22	Ŭ ·
121142	2,4-Dinitrotoluene	0.22	ŭ
606202	2,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dintrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chloronaphthalene	0.22	טעטעטעטעטעט
91587	2-Chloronaphthalene	0.22 0.22 0.22	Ų
95 <b>578</b>	z-Uniorophenoi		Ų
88755	2-Nitrophenol	0. <u>22</u> 0.22	ŭ
91941	3,3'-Dichlorobenzidine	0.22	Ņ.
121142	3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenoi	0.22 0.22	ัก
101553	4-Bromophenyl-phenylether	0.22	Ų
59507	4,6-Dintro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chlorophonyl phonylether	ŏ. <u>22</u>	Ų
7005723	4-Chlorophenyl-phenylether	0. <del>22</del>	ŭ
100027	4-Nitrophenol	0. <u>22</u> 0.22	<u>u</u>
83329	4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene	0.22	ŭ
208968	Acenaphthylene	0.22	, U
120127	Anthracene	0.22	0.061 J
92875	Benzidine	0.43	
565 <b>53</b>	Benzo[a]anthracene	0.22	0.19 J
50328	Benzo[a]pyrene	0.22	0.1 <u>6</u> J
205992	Benzo[b]fluoranthene	0.22	0.17 J
191242	Benzolg,h,i)perylene	0.22	0.098 J 0.063 J
207089	Acenaphtylene Anthracene Benzolanthracene Benzolalanthracene Benzolalyrene Benzolghilluoranthene Benzolghilluoranthene Benzolghilluoranthene Bis(2-Chioroethoxy)methane Bis(2-Chioroethoxy)methane Bis(2-Chioroethoxy)methane Bis(2-Chioroisopropyl)ether Bis(2-Chioroisopropyl)ether Bis(2-Ethylhexy))phthalate Butylbenzylphthalate Chrysene Di-n-octylphthalate Di-n-butylphthalate DienzolalnjAnthracene	0.22	
111911	Bis (2-Chloroethoxy) methane	0.22	ິນ . ນ
111444	Bis(2-Chlorolenny)/Euner	0.22	ii ·
10860 <b>1</b> 1178 <b>1</b> 7	Dis(2-Chioloisopropy)etriel	0.22	<u> </u>
85687	Dis(Z-Ethylnexy))prittialate	0.22	Ü
218019	Chrisens	0.22	0.17 J
117840	Di-n-och/ohthalate	0.22	<del>o.ĕ91-JB-</del> ∪
84742	Di-n-butylphthalate	0.22 ·	0.091_IB ()
53703	Dibenzola hlAnthracene	<u>0.72</u>	<del></del>
84662	Diethylphthalate	0.22	Ŭ
131113	Dimethylphthalate	0.22	U
206440	Fluoranthene	0.22	0.30
86737 118741	Di-n-butyiphthalate Di-n-butyiphthalate Dibenzola h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene Fluorene Hexachlorobenzene	0.22	Ů
118741		0.22	. U
87 <b>683</b>		0.22	ŭ
77474	Hexachlorocyclopentadiene Hexachloroethane	0.65	
67721	Hexachloroethane	0.22	U .
1933 <b>9</b> 5	Indeno[1,2,3-cd]pyrene	0.22 0.22	0.081 J
78591	Isophorone	0.22	U ·
621647	N-Nitroso-Di-N-Propylamine	0.22 0.22	ü
62759	N-Introsodimetrylamine	0.22 0.22	ŭ
86306	N-Nitrosogipnenyiamine	0.22 0.22	ŭ
91203	Naphunalene	0.22	ŭ
98 <b>953</b>	Partachleraphonel	0.22	. й
87 <b>865</b> 85 <b>018</b>	Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine Naphthalene Nitrobenzene Pentachlorophenol Phenanthrene	0.22	0.21 J
108952	Phenanthrene Phenol	0.22	U.21 J
	Purene	0. <u>22</u> 0.22	0.35
129000	Pyrene	0.22	<del>0</del> ,55

#### Total Target Concentration 2.2

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### $Form 1e/1f \\ {\tt ORGANICS SEMIVOLATILE REPORT}$ Tentatively Identified Compounds

Sample Number: AB20314

Matrix: Soil

Client Id: PG-D-4A-120200SO0

Initial Volume: 30g

Data File: FS3691

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 15:43

Dilution Factor: 1

14

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 77

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.600	12 J AG V
2		unknown	. 4.440	1331 B V
3	000079-34-5	Ethane, 1,1,2,2-tetrachloro-	4.500	0.21 J B
4	010544-50-0	Sulfur, mol. (S8)	10.420	0.26 <i>J</i>
. 5	000791-28-6	Phosphine oxide, triphenyl-	12.190	1.3 J

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20315

Matrix: Soil

Client Id: PG-RR10-120200SO02

Initial Volume: 30g

Data File: FS3702

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 19:55

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 74

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

	"			Concentration
	CAS#	Compound	PQL/MDL	(Units: mg/Kg)
	120821	1,2,4-Trichlorobenzene	0.23 0.23	Ų
	95501	1,2-Dichlorobenzene	0.23	. <u>ŭ</u>
	122667	1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.045	U U U
	54173 <u>1</u>	1,3-Dichlorobenzene	0.23 0.23	, ,, ñ
	106467	1.4-Dichloropenzene	0.23	Ų
	88062	2,4,6-Trichlorophenol 2,4-Dichlorophenol	0.23	ŭ
	120832	2,4-Dichlorophenol	0.23	<u>u</u>
	105679	2,4-Dimethylphenol	0.23	ÿ
	51285	2,4-Dinitrophenol	0.45 0.23	Ŋ
	121142	2,4-Dinitrololuene	0.23	Ŭ
	606202	2,6-Dinitrotoluene	0.23	Ü
	91587	2-Chioronaphinalene	0.23	ŭ
	95 <b>578</b> 88 <b>755</b>	2-Uniorophenoi	0.23 0.23 0.23	ប័
	91941	2-Chloronaphthalene 2-Chlorophenol 2-Nitrophenol 3,3-Dichlorobenzidine 4,6-Dinitro-2-methylphenol	0.23	ŭ
	121142	4.6-Dinitro-2-methylphenol	0.23	Ŭ
	101553	4.6-Dinitro-2-interription 4.Bromophenyl-phenylether 4.Chloro-3-methylphenol 4.Chlorophenyl-phenylether 4.Nitrophenol Assantheno	0.23 0.23	ŭ ·
	59507	4-Chloro-3-methylphenol	0.23	ŭ
	7005723	4-Chlorophenyl-phenylether	0.23 0.23	Ŭ
	100027	4-Nitrophenol	0.23	Ŭ
	83329	Acenaphthene	0.23	1.7
	208968	Acenaphthene Acenaphthylene	0.23	· U
	120127 92875	Anthracene	0.23 0.23 0.45	0.63
	92875	Benzidine	0.45	2,0
	56 <b>553</b>	Benzojajanthracene	0.23 0.23	0.39 0.15 J
	5032 <b>8</b> 205992	Benzolalpyrene Benzolalikuszanthana	0.23 0.23	0.15 J
	191242	Benzola h ilneniene	0.23	0.25 0.059 J
	207089	Benzolkifiuoranthene	0.23	0.07 <b>9 J</b>
	111911	Benzolajanthracene Benzolajpyrene Benzolbjilioranthene Benzolg,h,ijperylene Benzolkjfluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethy)Ether	0.23	
-	111 <del>444</del>	Bis(2-Chloroethyl)Ether	0.23	Ū
	10860 <u>1</u>	Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	0.23 0.23 0.23	Ų
	117817	Bis(2-Ethylhexyl)phthalate	0.23	<del>0,12 JB -</del> (√
	85687	Butylbenzylphthalate	0.23	Ŭ
	218019	Chrysene	0.23	0.47 <del>0.086 JB</del> U
	117840	DI-n-octylphthalate Di-n-butylphthalate	023 023 023 023	<del>0.086.3B-</del> U
	84742 53703	Dibonzolo hi Anthropono	0.23	<u></u>
	84662	Diethylotthalate	0.23	X
	131113	Dibenzola hjAnthracene Diethylphthalate Dimethylphthalate Fluoranthene	0.23	ŭ
	206440	Fluoranthene	0.23	1.9
	86737	Fluorene	0.23	1.9 1.3 U
	118741	Hexachlorobenzene	0.23	
	87683	Hexachlorobutadiene	0,23	Ū
	77474	Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene	0.68	Ų
	67721	Hexachloroethane	0.23	U .
	193395	Indeno[1,2,3-cd]pyrene	0.23	0.053 J
	78591	Isophorone	0.23	Ŋ
	621647 62759	Indentification in the common of the common	0.23 0.23	i i
	863 <b>06</b>	N-Nitrosodinhenvlamine	0.23 0.23	ĭi
	91203	N-Nitrosodiphenylamine Naphthalene	0.23	0.71
	98953	Nitrobenzene	0.23 0.23	ັ"ບໍ່
	87 <b>865</b>	Pentachlorophenol	0.23	Ŭ
	85018	Phenanthrene	0.23	3.1
	108952	Phenol	0.23 0.23	Ú
	129000	Pyrene	0.23	1.4

#### Total Target Concentration 12

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20315

Matrix: Soil

Client Id: PG-RR10-120200SO0

Initial Volume: 30g

Data File: FS3702

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 19:55

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 74

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.590	40+ AG U
2	004537-11-5	Benzene, (1-butylhexyl)-	7.780	9.8 <i>J</i>
- 3	004537-12-6	Benzene, (1-propylheptyl)-	7.820	7.7 J
. 4	018335-15-4	Benzene, (1-ethylhexyl)-	7.920	5.8 <i>J</i>
5	004537-14-8	Benzene, (1-pentylhexyl)-	8.200	17 <i>J</i>
6	004537-15-9	Benzene, (1-butylheptyl)-	8.220	32 <i>J</i>
7	004536-86-1	Benzene, (1-propyloctyl)-	8.280	25 <i>J</i>
8	004536-88-3	Benzene, (1-methyldecyl)-	8.560	21 <i>J</i>
9	002719-62-2	Benzene, (1-pentylheptyl)-	8.650	30 <i>J</i>
10	002719-63-3	Benzene, (1-butyloctyl)-	8.670	25 <b>J</b>
11	002719-64-4	Benzene, (1-propylnonyl)-	8.730	20 J
12		unknown	8.780	1.8 <i>J</i>
13	002400-00-2	Benzene, (1-ethyldecyl)-	8.840	17 <i>J</i>
14		unknown	8.900	2.2 J
15	002613-76-5	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	8.930	2.3 J
16	004534-51-4	Benzene, (1-propyldecyl)-	9.190	15 <i>J</i>
17	004534-52-5	Benzene, (1-ethylundecyl)-	9.310	13 <i>J</i>
18	055682-84-3	Naphthalene, 1-heptyl-1,2,3,4-tetrahydro	9.410	2.0 J
19	004534-53-6	Benzene, (1-methyldodecyl)-	9.490	13 <i>J</i>
20		unknown	9.530	4.4 J
21		unknown	9.540	2.7 J
22		unknown	9.580	3.6 <i>J</i>
23		unknown	9.650	3.3 <i>J</i>
24		unknown	9.770	2.4 J
25	004534-59-2	Benzene, (1-methyltridecyl)-	9.960	1.8 J

Total Tentatively Identified Concentration

280

Control File h:\import\64115.txt

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20316(5x)

Matrix: Soil

Client Id: PG-RR10-120200SO05

Initial Volume: 30g

Data File: FS3719

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 13:46

Dilution Factor: 5

Percent Solids: 76

Date Received/Extracted: 12/4/00-12/9/00 Percent Solid Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	(Units: mg/Kg)
120821	1,2,4-Trichlorobenzene	1.1	Ņ.
95501	1,2-Dichlorobenzene	1.1	Ŭ
122667	1,2-Diphenylhydrazine	0.22	Ŋ.
54173 <u>1</u>	1,3-Dichlorobenzene	1.1	Ü
106467	1,4-Dichlorobenzene	1.1 1.1	ប
88062	2,4,6-Trichlorophenol	1.1	ប័
120832	2,4-Dichiorophenoi	1.1	ŭ
105679	2,4-Dimethylphenol	7.7	ŭ
51285 1211 <b>4</b> 2	2,4-Dichlorophenol 2,4-Dirnethylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene	1.4	ŭ.
606202	2,4-Dinitrotoluene	4.4	Ϋ́
91587	2-Chloronaphthalene	414	Ŭ
95578	2-Chlorophenol	11	ŭ
88755	2-Nitrophenol	i'i	Ŭ
91941	3,3'-Dichlorobenzidine	11	ŭ
121142	4,6-Dinkro-2-methylphenol		Ü
101553	4-Bromophenyl-phenylether	1.1	. Ū
59507	4-Chloro-3-methylphenol	1.1	Ū
7005723	4-Chloro-3-methylphenol 4-Chlorophenyl-phenylether	1.1	U
100027	4-Nitrophenol	1.1	Ŭ
83329	Acenaphthene	1.1	<u>y</u>
208968	Acenaphthylene	1.1	ŭ
120127 92875	Anthracené	1.1	, Ņ
92875	Benzidine	2.2	Ū U U
56553	Benzojajanthracene	1.1	Y
50328	Benzola pyrene Benzola jiuoranthene	1.1	Y
205992 191242	Benzola h ilnendene	4.4	Н
207089	Benzoig,h,ijperylene Benzoikjfluoranthene	44	ŭ
111911	Bis(2-Chloroethoxy)methane Bis(2-Chloroethy)lEther Bis(2-Chloroisopropy)lether Bis(2-Ethylnexyl)phthalate Butylbenzylphthalate	1.1	Ŭ
111444	Bis(2-Chloroethyl)Ether	11	Ŭ
108601	Bis(2-Chloroisopropyl)ether	1.1	U .
117817	Bis(2-Ethylhexyl)phthalate	1.1	9.6 <del>0.18 U</del>
856 <b>87</b>	Butỳlbenzylphthálate	1.1	, <u>U</u>
218019	Chrysene	1.1	Ų
117840	DI-n-octylphthalate	1.1	
84742	Di-n-butylphthalate	1.1	Ü
53703	Dibenzola,h]Anthracene Diethylphthalate	1.1	i i
84662 131113	Dimothylphthalate	1.1	Y
206440	Dimethylphthalate Fluoranthene	11	0.26 J
86737	Fluorene	i'i	0.200
118741	Hexachlorobenzene	iii	Ŭ
87683	Hexachlorobutadiene	1.1	Ū
77474		3.3	Ū
67721	Hexachlorocyclopentadiene Hexachloroethane	1.1	Ŭ ·
193395	Indeno[1,2,3-cd]pyrene	1.1	Ŭ
78591	Isophorone	1.1	Ŭ
621647	N-Nitroso-Di-N-Propylamine	1.1	Ŭ
62759	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	1.1	
86306	N-Nitrosodiphenylamine	1.1	<b>u</b> u
91203	Naphthalene	}.1	ü
98953	Nitrobenzene	1.1	N ·
87865 85018	Pentachlorophenol Phenanthrene	4.4	0.44 J
108952	Phenoi	4.4	0.77
129000	Pyrene	1.1	ŭ
, 20000	. /10110	***	•

#### Total Target Concentration 1.4

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

#### ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20316(5x)

Client Id: PG-RR10-120200SO0

Data File: FS3719

Date Analyzed: 11 Dec 2000 13:46

Date Received/Extracted: 12/4/00-12/9/00

Matrix: Soil

Initial Volume: 30g

Final Volume: 1ml

Dilution Factor: 5

Percent Solids: 76

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1	000124-07-2	Octanoic acid	6.400	16 <b>J</b>
2		unknown	7.870	39 <i>J</i>
3	000143-07-7	Dodecanoic acid	7.960	180 <i>J</i>
. 4	000143-07-7	Dodecanoic acid	8.020	380 J
- 5	000143-07-7	Dodecanoic acid	8.040	190 <i>J</i>
. 6		unknown	8.090	520 <b>J</b>
7	055191-25-8	Benzene, (1,1-dimethylnonyl)-	8.120	210 <i>J</i>
. 8	A symptom to the	unknown	8.260	59 <b>J</b>
9	000000-00-0	ISOMERIC DODECYLBENZENE	8.290	20 <i>J</i>
10	000000-00-0	ISOMERIC DODECYLBENZENE	8.440	55 <b>J</b>
11	027854-40-6	Benzene, (1,1-dimethyldecyl)-	8.520	20 J
12	000000-00-0	ISOMERIC DODECYLBENZENE	8.550	46 J
13	027854-41-7	Tridecane, 2-methyl-2-phenyl-	8.590	39 <i>J</i>
14	055134-07-1	Benzene, (1,1,4,6,6-pentamethylheptyl)-	8.630	45 <i>J</i>
15	002719-63-3	Benzene, (1-butyloctyl)-	8.660	15 <i>J</i>
16		unknown	8.720	22 J
17	000544-63-8	Tetradecanoic acid	8.830	220 <i>J</i>
18	000544-63-8	Tetradecanoic acid	8.890	400 J
19	004534-51-4	Benzene, (1-propyldecyl)-	9.180	19 <i>J</i>
20	004534-52-5	Benzene, (1-ethylundecyl)-	9.300	21 J
21	004534-53-6	Benzene, (1-methyldodecyl)-	9.490	21 <i>J</i>
22	*	unknown	9.650	52 <i>J</i>
23	000638-53-9	Tridecanoic acid	9.780	470 <i>J</i>
24	013481-95-3	10-Octadecenoic acid, methyl ester	10.620	860 J
25	000057-11-4	Octadecanoic acid	10.680	120 <i>J</i>

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20317

Matrix: Soil

Client Id: PG-FILL08-120200SO01

Initial Volume: 30g

Data File: FS3711

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 23:43

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 84

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
-	120821	1,2,4-Trichlorobenzene	0.20	U
	95501	1 2 Dichlorobenzene	0.20 0.20	Ŭ.
	95501 122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	በ በፈብ	Ŭ U U
	541731	1,3-Dichlorobenzene	0.20 0.20 0.20 0.20 0.20 0.20 0.40	Ū
	106467	1.4-Dichioropenzene	0.20	Ŭ U U
	88062	2.4.6-Trichlorophenol	0.20	U
	120832	2,4-Dichlorophenol 2,4-Dimethylphenol	0.20	U
	105679	2,4-Dimethylphenol	0.20	U
	51285	2,4-Dinitrophenol 2,4-Dinitrotoluene	0.40	כבכבכככככ
	121142	2,4-Dinitrotoluene	0.20	υ
	606202	2,6-Dinitrotoluene	0.20	ŭ
	91587 9557 <b>8</b>	2-Chloronaphthalene	0.20	Ŋ,
	9557 <b>6</b> 88755	2-Chlorophenol	0.20	Y
	91941	2-Nitrophenol 3,3'-Dichlorobenzidine	0.20	H
	121142	4,6-Dinitro-2-methylphenol	0.20	·
	101553	4.0-Diritio-2-methyrphenol	0.20	ĭ
	59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.20	ĭ
	7005723	4-Chlorophenyl-phenylether	0.20	ŭ
	100027	4-Nitrophenol	0.20	ŭ .
	83329	Acenaphthene	0.20	.Ŭ
	208968	Acenaphthylene	0.20	o oe <u>s</u> า
	120127	Anthracené	0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	0.11 J
	92875 5655 <b>3</b>	Benzidine	0.40 0.20 0.20 0.20 0.20	U
	56553	Benzo[a]anthracene	0.20	0.26
	50328	Benzojajpyrene	0.20	0.25
	205992	Benziolne Benzolalanthracene Benzolalanthracene Benzolaliuoranthene Benzolaliuoranthene Benzolkifluoranthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethoy)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene	0.20	0.26 0.25 0.50 0.50 0.22 0.17 J
	191242	Benzolg,n,ijperviene	0.20	0.22
	207089 111911	Bis/2 Chlorosthow/methons	0.20 0.20 0.20 0.20	0.17 J U
	111444	Bis(2-Chloroethyl)Ether	0.20	ប័
	108601	Ris(2-Chloroisopropyl)ether	0.20	. N
	117817	Bis(2-Ethylhexy))nhthalate	0.20 0.20	-0.20 B / /
	85687	Butylbenzylphthalate	ŏ. <b>2</b> ŏ	<del></del>
	218019		0.20	0.33
	117840	DI-n-octylohthalate	0.20	-0.078 JB- \ ]
	84742	Di-n-butylphthalate	0.20	U
	53703	Di-n-butylphthalate Dibenzola, h]Anthracene Diethylphthalate	0.20	0.075 J
	84662	Diethylphthalate	0.20	_;_ U .
	131113	Dimethylphthalate Fluoranthene	0.20	0.048 J
	206440		0.20	0.40
	86737 11874 <b>1</b>	Fluorene Hexachlorobenzene	0.20 0.20	· U
	87683	Hexachlorobutadiene	0.20	Ų.
	77474	Hexachlorocyclopentadione	0.20	បី
	67721	Hexachlorocyclopentadiene Hexachloroethane	0.20	ŭ
	193395	Indeno[1,2,3-cd]pyrene	0.20	0.20
	78591	Isophorone	0.20 0.20	Ü.20
	621647	N-Nitroso-Di-N-Propylamine	0.20	ŭ
	6275 <b>9</b>	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	0.20	ŭ
	86306	N-Nitrosodiphenylamine	0.20	. บั
	91203	Naphthalene	. 0,20	0.040 J
	98953	Nitrobenzene	0.20	U
	87865	Pentachlorophenol	0.20 0.20	Ų
	85018	Phenanthrene	0.20	0.14 J
	108952	Phenol	0.20 0.20	, U
	129000	Pyrene	0,∠0	0.40

#### Total Target Concentration 3.5

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument

### Form1e/1f Organics semivolatile report Tentatively Identified Compounds

Sample Number: AB20317

Client Id: PG-FILL08-120200S

Initial Volume: 30g

Matrix: Soil

Data File: FS3711

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 23:43

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 84

Hit# Cas Number		Cas Number Compound		Concentration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.630	12 J AG
2	•	unknown	4.450	0.43 J B
3	000124-07-2	Octanoic acid	6.160	0.35 <i>J</i>
4	000334-48-5	Decanoic acid	7.020	0.58 J
5	000615-58-7	Phenol, 2,4-dibromo-	7.050	0.29 J
6	000120-40-1	Dodecanamide, N,N-bis(2-hydroxyethyl)-	7.890	8.5 <i>J</i>
7	000088-19-7	2-TOLUENESULFONAMIDE	8.240	0.43 <i>J</i>
8	000070-55-3	4-TOLUENESULFONAMIDE	8.430	0.42 <i>J</i>
9	.000544-63-8	Tetradecanoic acid	8.760	4.1 J
10	002400-00-2	Benzene, (1-ethyldecyl)-	8.830	0.82 <i>J</i>
11		unknown	9.530	0.32 <i>J</i>
12		unknown	9.580	0.27 <b>J</b>
13	000057-10-3	Hexadecanoic acid	9.690	4.6 J
14	000000-00-0	HEPTADECENE-(8)-CARBONIC ACID-(1)	10.500	5.5 <b>J</b>
15		unknown	10.670	0.39 J
16		unknown	12.200	1.0 J
17	* •	unknown hydrocarbon	13.400	0.50 J
18	-	unknown	13.780	0.91 <i>J</i>
19	v.	unknown	14.010	1.3 J
20		unknown hydrocarbon	14.080	0.83 <i>J</i>
21		unknown	14.180	0.31 J
22		unknown	14.490	0.46 <i>J</i>
23		unknown hydrocarbon	14.830	0.86 <b>J</b>
24		unknown	15.450	5.1 <i>J</i>
25		unknown	15.670	3.3 <i>J</i>

Total Tentatively Identified Concentration

54

A - Indicates an aldol condensate.

J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Sample Number: AB20318

Matrix: Soil

Client Id: PG-FILL08-120200SO04

Initial Volume: 30g

Data File: FS3694

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 16:48

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 48

Column: Supelco 105 m vocol col,.5 mm id, 3.0 um film

Concentration

 CAS#	Compound	PQL/MDL	(Units: mg/Kg)
 120821	1,2,4-Trichlorobenzene	0.35	U .
95501	1,2-Dichlorobenzene	0.35 0.069	U
122667	1,2-Dichlorobenzene 1,2-Diphenylhydrazine 1,3-Dichlorobenzene 1,4-Dichlorobenzene	0.069	Ů
541731	1,3-Dichlorobenzene	0.35 0.35	U
106467	1,4-Dichlorobenzene	0.35	Ŭ .
88062	2,4,6-Trichlorophenol	0.35 0.35	Ų
120832	2,4 Dichlorophenol	0.35	Ü U U
105679	2,4-Dimethylphenol	0.35	Ų -
51285	2,4-Dinitrophenol	0.69	Ų.
121142	2,4-Dintrotojuene	0.35 0.35 0.69 0.35 0.35 0.35 0.35 0.35	Ų ·
6062 <b>02</b> 91587	2,6-Dinitrotoluene	0.35	Ŋ.
95578	2-Chioronaphinalene	0.35	H
88755	2-Nitrophenol	0.33	ii .
91941	3 3'-Dichlorobenzidine	0.35	ŭ
121142	4.6-Dinitro-2-methylphenol	0.35	ŭ
101553	4-Bromophenyl-phenylether	0.35	ככככככככ
59507	4-Chloro-3-methylphenol	0.35	Ū
7005723	4-Chlorophenyl-phenylether	0,35	U
100027 83329	1,4-Dichlorobenzene 2,4-6-Trichlorophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chlorophenol 2-Nitrophenol 3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol 4-Bromophenyl-phenylether 4-Chloro-3-methylphenol 4-Chloro-henyl-phenylether 4-Nitrophenol 4-Dintrophenyl-phenylether 4-Chloro-henyl-phenylether 4-Nitrophenol 4-Dintrophenyl-phenylether 4-Nitrophenol 4-Dintrophenol	0.35	U
83329	Acenaphthene	0.35	Ų
208968	Acenaphthylene	0.35	y ·
120127 92875	Anthracene Benzidine	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	Ŋ
56553	Benzolalanibracene	0.35	טכניכייי
50328	Renzolalnyrene	0.35	й
205992	Benzolbijiugranthene	0.35	ŭ
191242	Benzolg,h,ilpervlene	0.35	ŭ
207089	Benzo k fluoranthene	0.35	Ŭ U U
111911	Benzidine Benzolajanthracene Benzolajanthracene Benzolajpyrene Benzoloj, h, ijperylene Benzolk filororanthene Benzolk filororanthene Bis(2-Chloroethoxy)methane Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate Chrysene Di-n-octylphthalate	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	U-
111444	Bis(2-Chloroethyl)Ether	0.35	<u>Ü</u>
108601	Bis(2-Chloroisopropyi)ether	0.35	9.15.JB V
11781 <b>7</b> 85687	But disparate by the letter	0.35	8-15-18- V
218019	Chreene	0.35	
117840	Di-n-octylphthalate Di-n-butylphthalate	0.33	. ĭ
117840 84742	Di n hutulahthalata	0.35	Ŭ
53703	Dibenzoja, h]Anthracene Dibenzoja, h]Anthracene Diethylphthalate Dimethylphthalate Fluoranthene	0,35	Ŭ
84662	Diethylphthalate	0.35	U
131113	Dimethylphthalate	0.35	ü
206440	Fluoranthene	0.35	Ų
86737 118741	Fluorene	0.35	נכנכנננננננננננננ
87683	Hexachlorobenzene Hexachlorobutadiene	0.35	. !
77474	Hexachlorocyclopentadiene	1.0	N ·
67721	Hexachloroethane	0.35	ŭ
193395	Indenoi1.2.3-cdlpyrene	0.35	Ŭ
78591	Isophorone	0.35	ŭ
621647	Hexachlorobutadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene indeno[1,2,3-cd]pyrene Isophorone N-Nitroso-Di-N-Propylamine N-Nitrosodimethytamine N-Nitrosodiphenylamine Naphthalene Nitrobanzane	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	Ū
62759 8630 <b>6</b>	N-Nitrosodimethylamine	· 0.35	บ
86306	N-Nitrosodiphenylamine	0.35	Ŋ.
91203 98953	Naphthalene	0.35	ប្ត
96953 87865	Nitrobenzene Pentachlorophenol	U.35	Y
8501 <b>8</b>	Phenanthrene	0.35 0.35	H
108952	Phenol	0.35	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט
129000	Pyrene	0.35	Ŭ

#### Total Target Concentration 0.15

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

#### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20318

Matrix: Soil

Client Id: PG-FILL08-120200S

Initial Volume: 30g

Data File: FS3694

Final Volume: 1ml

Dilution Factor: 1

Date Analyzed: 10 Dec 2000 16:48

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 48

	Hit#	Cas Number	Compound	RT	Concentration mg/Kg
-	1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.600	-28 J AB U
	2	004537-11-5	Benzene, (1-butylhexyl)-	7.780	7.4 <b>J</b>
	3	004537-12-6	Benzene, (1-propylheptyl)-	7.820	7.4 J
	4	004621-36-7	Benzene, (1-ethyloctyl)-	7.910	8.6 <b>J</b>
	5	004537-13-7	Benzene, (1-methylnonyl)-	8.090	15 <i>J</i>
	6	004537-14-8	Benzene, (1-pentylhexyl)-	8.200	13 <i>J</i>
	7	004537-15-9	Benzene, (1-butylheptyl)-	8.210	20 <i>J</i>
	8	%.I e	unknown	8.270	21 <i>J</i>
	9	004536-88-3	Benzene, (1-methyldecyl)-	8.550	48 <b>J</b>
	10	002719-62-2	Benzene, (1-pentylheptyl)-	8.640	31 <i>J</i>
	11	002719-63-3	Benzene, (1-butyloctyl)-	8.660	29 J
	12	002719-64-4	Benzene, (1-propylnonyl)-	8.720	28 <i>J</i>
	13	002400-00-2	Benzene, (1-ethyldecyl)-	8.830	33 <i>J</i>
	14	002613-76-5	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	8.930	6.4 <b>J</b>
	15	004534-50-3	Benzene, (1-butylnonyl)-	9.120	20 <i>J</i>
	16	004534-51-4	Benzene, (1-propyldecyl)-	9.180	22 <b>J</b>
	17	004534-52-5	Benzene, (1-ethylundecyl)-	9.300	22 <b>J</b>
	18	055682-84-3	Naphthalene, 1-heptyl-1,2,3,4-tetrahydro	9.410	5.7 <b>J</b>
	19	004534-53-6	Benzene, (1-methyldodecyl)-	9.490	32 <b>J</b>
	20		unknown	9.530	- 11 <i>J</i>
	21		unknown	9.540	11 <i>J</i>
	22		unknown	9.580	11 <i>J</i> ,
	23	ė.	unknown	9.650	11 <i>J</i>
	24	002400-00-2	Benzene, (1-ethyldecyl)-	9,770	11 <i>J</i>
	25	002719-61-1	Benzene, (1-methylundecyl)-	9.960	16 <i>J</i>

Total Tentatively Identified Concentration

470

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

Sample Number: AB20319

Matrix: Soil

Client Id: PG-H/R-01-120200SO01

Initial Volume: 30g

Data File: FS3703

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 20:21

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 73

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

	CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
•	120821 95501	1,2,4-Trichlorobenzene 1,2-Dichlorobenzene	0.23 0.23	U U
	122667	1,2-Diphenylhydrazine 1,3-Dichlorobenzene	0.046	U U
	541731 106467	1,4 Dichlorobenzene	0.23 0.23	U
	88062	2.4.6-Trichlorophenol	0.23	ŭ
	120832	2,4,6-Trichlorophenol 2,4-Dichlorophenol	0.23	ขั U
	105679	2,4-Dimethylphenol 2,4-Dinitrophenol	0.23	u y
	51285	2,4-Dinitrophenol 2,4-Dinitrotoluene	0.46	Ŭ
	121142 606202	2,4-Dinitrotoluene	0.46 0.23 0.23	, H
	91587	2-Chloronaphthalene	0.23 0.23 0.23 0.23 0.23	·. ·· ·· · · · · · · · · · · · · · · ·
	91587 95578	2-Chiorophenol 2-Nitrophenol	0.23	Ŭ
	88755	2-Nitrophenol	0.23	Ų
	91941 121142	3,3'-Dichlorobenzidine 4,6-Dinitro-2-methylphenol	0.23	Ŭ
÷.,	101553	4-Bromophenyl-phenylether	0.23	. ប័
	59507	4-Bromophenyl-phenylether 4-Chloro-3-methylphenol	0.23	U
	7005723	4-Chiorophenvi-phenviether	0.23 0.23 0.23 0.23 0.23	· Ŭ
	100027 83329	4-Nitrophenol Acenaphthene	0.23	· · · · · · · · · · · · · · · · · · ·
	208968	Acenaphthylene	0.23	· ŭ
	120127 92875	Anthracene	. 0.23	Ū
	92875	Benzidine	0.46	Ū.
	56553 50328	Benzolalanthracene	0.23	0.070 J
	205992	Benzo a pyrene Benzo b fluoranthene	0.23	0.066 J 0.10 J
	191242	Benzolg,h,ilperylene	ŏ.23	0.10 <b>0</b>
	207089	Benzolg, h, i ] perylene Benzolk j fluoranthene	0.23	Ū
	111911	Bis(2-Chloroethoxy)methane Bis(2-Chloroethy)Ether Bis(2-Chloroisopropyl)ether Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	0.23	united to the state of the stat
	111444 108601	Bis(2-Chloroisopropyl)ether	0.23	ij
	117817	Bis(2-Ethylhexyl)phthalate	0.23	- <del>0.080 JB-</del> i i
	85687	Butylbenzylphthálate	0.23	u V
	218019	Chrysene	0.23	0.086 J
	117840 84742	DI-n-octylphthalate Di-n-butylphthalate	0.23	-0.049 JB V
	53703	Dibenzola hiAnthracene	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	й
	84662	Dibenzola h)Anthracene Diethylphthalate Dimethylphthalate	0.23	Ū
	131113	Dimethylphthalate	0.23	2 2 2 L
	206440 86 <u>73</u> 7	Fluoranthene Fluorene	0.23	0.065 J
	118741	Hexachlorobenzene	0.23	บ .
	87683	Hexachlorobutadiene	0.23	Ŭ
	77474	Hexachlorocyclopentadiene Hexachloroethane	0.68	U U
	6772 <b>1</b> 193395	indendi 2 3-cdinyrene	0.23	ΰ
	785 <b>91</b>	Indeno[1,2,3-cd]pyrene	0.23	ŭ
	621647	N-Nitroso-Di-N-Propylamine N-Nitrosodimethylamine	0.23	Ū
	62759	N-Nitrosodimethylamine	0.23	y. ·
	86306 91203	N-Nitrosodiphenylamine Naphthalene	0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23	Մ 0.11 J
	98953	Nitrobenzene	0.23	U. LL J
	87865	Pentachiorophenol	0.23	Ū
	85018 408053	Phenanthrene Phanal	0.23	0.10 J
	108952 129000	Phenol Pyrene	0.23 0.23	0.080 J U
	, 2000	r ficine	0.23	U.UOU J

#### Total Target Concentration 0.81

U - Indicates the compound was analyzed but not detected.
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Formle/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20319

Matrix: Soil

Client Id: PG-H/R-01-120200S

Initial Volume: 30g

Data File: FS3703

Final Volume: 1ml

Date Analyzed: 10 Dec 2000 20:21

Dilution Factor: 1

20

Date Received/Extracted: 12/4/2000-12/9/2000

Percent Solids: 73

Hit#	Cas Number	Compound	RT Cond	centration mg/Kg
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.630	18.1 AB V
2		unknown	4.450	0.56.1-13 V
3	000111-01-3	Tetracosane, 2,6,10,15,19,23-hexamethyl-	8.500	0.19 <i>J</i>
4	002605-67-6	Acetic acid, (triphenylphosphoranylidene	12.190	1.4 <i>J</i>
5		unknown	13.050	0.26 <i>J</i>

A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.

Control File h:\import\64115.txt

Sample Number: AB20320(R)

Matrix: Soil

Client Id: PG-H/R-01-120200SO02

Initial Volume: 30g

Data File: FU2698

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 19:01

Dilution Factor: 1

Date Received/Extracted: 12/4/2000-12/11/2000

Percent Solids: 50

Column: Supelco 105 m vocol col, 5 mm id, 3.0 um film

CAS#	Compound	PQL/MDL	Concentration (Units: mg/Kg)
120821 95501 122667 541731 105679 51285 121142 606202 91587 95578 88755 91941 121142 101553 59507 700572 83329 208968 205992 120127 92875 56553 50328 205992 111911 111444 108601 117817 218019 117840 86747 218019 117840 86747 118741 87683 77474 67721 198591 62759 86306 91203 98953 87865	1.2.4-Trichlorobenzene 1.2-Dichlorobenzene 1.2-Diphenylhydrazine 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.4-Dichlorobenzene 2.4-Dichlorobenzene 2.4-Dichlorobenzene 2.4-Dinitrotolophenol 2.4-Dinitrotoluene 2.5-Dinitrotoluene 2.5-Dinitrotoluene 2.6-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitrotoluene 2.0-Dinitro-2-methylphenol 4.6-Dinitro-2-methylphenol 4.Bromophenyl-phenylether 4.Chloro-3-methylphenol 4-Chlorophenyl-phenylether 4-Nitrophenol Acenaphthene Acenaphthene Acenaphthene Acenaphthene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolalpyrene Benzolylfluoranthene Bis(2-Chlorotothyl)Ether Bis(2-Chlorothyl)Ether Bis(2-Chlorothyl)Ether Bis(2-Ethylhexyl)phthalate Chrysene DI-n-octylphthalate Di	0.33 0.33 0.067 0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.3	(Units: mg/Kg)  (Units: mg/Kg)  G G G G G G G G G G G G G G G G G G G
85018 108952 129000	Phenanthrene Phenol Pyrene	0,33 0,33 0,33	

#### Total Target Concentration 0.54

U - Indicates the compound was analyzed but not detected.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

### Form1e/1f ORGANICS SEMIVOLATILE REPORT Tentatively Identified Compounds

Sample Number: AB20320(R)

Matrix: Soil

Client Id: PG-H/R-01-120200S

Initial Volume: 30g

Data File: FU2698

Final Volume: 1ml

Date Analyzed: 11 Dec 2000 19:01

Dilution Factor: 1

29

Date Received/Extracted: 12/4/2000-12/11/2000

Percent Solids: 50

Hit#	Cas Number	Compound	RT	Concentration mg/Kg
1		unknown	3.100	06018
2	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.430	-25 J AR
3	No. 1	unknown	4.290	1:4 3 3
4		unknown	5.080	0. <del>27 J B</del>
5		unknown	16.250	MJB.
6	000629-50-5	Tridecane	17.870	0.40 <i>J</i>
7	000638-67-5	Tricosane	18.260	0.41 J

<sup>A - Indicates an aldol condensate.
J - Indicates an estimated value
B - Indicates the analyte was found in the blank as well as in the sample.</sup> 

# Premier Environmental Services.

#### **APPENDIX C**

### IE PORT AUTHORITY OF MY & RM

# Chain-of-Custody

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PAGE	1	_OF	5	

PA	PROJECT SDG NO 24
	12041616

Viaterials Enginee	ring Division -	- 241 Eris	Street, I	Room <b>234</b>
	Jersey City,	NJ 07310		

Facility	Howland Hook
Project Info.	HH-PORT IVORY P&G SITE
Charge Code	501-233.295

		12011012
Contact Name	Dorian Bailey	Angelos Zafirelis
Contact Phone No.		(201) 2/6-2960
Contact Fax No.	(201) 216-2158	
Contact Email:		

Destination Laboratory: HCV Lab Case/SDG:

EQuIS Sys_Sample_Code Loc(8)Date(6)Matrix(2)Type(2)Counter	(2) Contract Lab Sample ID ,	ह र ह	# of Containers Preservative Codes (MeOH No.) Grab or Composite	PPVOM, +15+x3/e., PPBWA, +25 Pext   PCBS TAL Metals Czanide	784C 086 94 94enol	EQUIS DIKBE
	:				meters/Analytes	
PG-G-05-12010050C	3 AB20277 12	11/00 6-6.	5-3 3	1222	4444	14.
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\ <del></del>	94 20279	6-6,				
	35 20280	6-5A				111
\\	2 20281	F5-7,				<del>                                   </del>
1 . <u>                                   </u>	5 20282	F5-7,				1/1
1-0-01-11-		D-1,				
1 - D - 0 1 - 1 1 1 0		D-1,				11 -
1-0-01-11	0 20285	D-1,				<del>                                 </del>
J-13-11 J	<del>                                      </del>	D-3				
ampled By: 704, Zaki Dowe Howelly In ampling Method:	Preservatives: 1. Ice 2. HCl 4. NaOH 5. MeOH	3. HNO3 6. H2SO4	TAT: STE OTHER One We changed sample in	OTHER_	EQUIT Linke	the
Relinquished By:	Date: 12/4/c	OU 8=31 Rec	eived By: Color	ener H	CT Date: 13/4	
Relinquished By:	Date:	Rece	eived By:		Date:	SAT .
Relinquished By:	Date:	Reco	eived By:		Date:	
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# Chain-of-Custody

page 2 of 5 paproject sdg no 24

Viatariais Engineering Division - 241 Erie Street, Room 234 Jersey City, NJ 07310

Facility	Howland Hook
Project Info.	HH-PORT IVORY P&G SITE
Charge Code	501-233-295

Contact Name	Dorian Bailey/	Angelos Zafirelis	i e
Contact Phone No.	(201) 216-2963/	(201) 216-2960	
Contact Fax No.	(201) 216-2158		
Contact Email:			

HCV Destination Laboratory: Lab Case/SDG:

3.0°C

							9							
EQuIS Sys_Sample_Code Loc(8)Date(6)Matrix(2)Type(2)Counter(2)	Contract Lab Sample ID ,	ection	ection	<b>.</b>	s j.	H No.) posite	5 + X 3/e	\ ا						*
		Date of Collection Year	Time of Collection Geotech Cross Id		# of Containers Preservativ	Codes (MeOH No.) Grab or Composite	12	14 +	TAL METAL	Camid	0	phenol	,	EQUIS DICK
					<u>.</u>					Param	ieters	/Anal	ytes	
PG-RR-08-1201005002	AB20287	12/1/00	R	R-8,5-2	3		<u> </u>	-	4-	1-	14	4-		4
-RR-08-1201005004	20288		R	R-8,5-4	11_				1		1,1			
- 05 7 2 - 3 - 12 0 1 0 0 5 0 0 2	20289		υ	ST 2-3,5-8	2						$\Pi$			
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-4572-3- 1 07	20291	$\Box\Box$		552-3,5-		., .					1/1			
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- FILL25- 105		$\sqrt{}$		1125,5-5	1.	ne jar		1	V	11	1			
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# Chain-of-Custody

PAGE 3 OF 5 PA PROJECT SDG NO 24

Materials Engineering Division - 241 Erie Street, Room 234 Jersey City, NJ 07310

Facility	Howland Hook
Project Info.	HH-PORT IVORY P&G SITE
Charge Code	

Contact Name		Angelos Zafirelis
Contact Phone No.	(201) 216-29631	(201) 216-2960
Contact Fax No.	(201) 216-2158	
Contact Email:		

Destination Laboratory: HCV Lab Case/SDG:

								2										
EQuIS Sys_Sample_Code Loc(8)Date(6)Matrix(2)Type(2)Counter(2)	Contract Lab Sample ID ,	Date of Collection Year	Time of Collection	Geotech Cross Id	# of Containers	Preservative Codes (MeOH No.)	Grab or Composite	PP VOAS + 15 + x 3/e	PP BNA, +25	+160	TAL Metal	Czaniste	0 4 6	5#6	phenol			EQUIS Dickede
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-FB-3- WQ01	20304			FB-3	2	HCI		4				T	T	T		П	1	
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Sampling Method: /	

	Pr	es	er	να	itis	es.	
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1. Ice 2. HCl

4. NaOH 5. McOH

3. HNO3

6. H2SO4

TAT: STD OTHER One Week

Deliverables: NI Reduced Data Sum.
OTHER EQUIT Like Weeke

Relinquished By:	Sarel .	Date: 12/4/00 8:35	Received By: Cethrena HCI	Date: 12/4 855
Relinquished By:		Date:	Received By:	Date:
Relinquished By:		Date:	Received By:	Date:
	· ·			

### HE PORT AUTHORITY OF MY & MJ

# Chain-of-Custody

PAGE 40F 5 PA PROJECT SDG NO 24

#### Materials Engineering Division - 241 Erie Street, Room 234 Jersey City, NJ 07310

Facility	Howland Hook
Project Info.	HH-PORT IVORY P&G SITE
Charge Code	

Contact Name	Dorian Bailen / Angelos Zafire lis
Contact Phone No.	(201) 216-2963/ (201) 216-2960
Contact Fax No.	(201) 216-2158
Contact Email:	

Destination Laboratory: Lab Case/SDG:

	<u> </u>	
EQuIS Sys_Sample_Code Loc(8)Date(6)Matrix(2)Type(2)Counter(2)	Collection Gollection Gollection Gollection Gollection H Cross Id	K. OK
	Date of Collectory Year  Time of Collectory  Geotech Crost Geotech Crost Geotech Crost Geotech Crost Grab or Comport TAL Methol Collectory  TAL Methol Collectory  Codes (MeOH)  Grab or Comport Grab or Compo	EQUIS DEK
	Parameters/Analytes	5
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7-A-01-4-102	120308   A-1,5-2	
<u>+</u> L − 04 −	20309 L-4,5-1	
-L-04- 04	20310 1-45-4	
-L-05- 02	20311	
-L-05- 05	20312 4-5,5-5	
-D-04-	20313 D-4,5-1	
-D-4A- 05	20314 D-4A,5-5	·
-RR10- 02	20315 RR-10, 5-2	
V-RR10-111111051	120316 V RR-10,5-5 V	

Sampled By: 30h.	ZIKSI	Dou	Howel	Willa
Sampling Method:_	(			

Preservatives:

2. HCl 1. Ice 4. NaOH 5. MeOH 3. HNO3 6. H2SO4 TAT: STD OTHER One Week

Deliverables: NI Reduced Data Sum.
OTHER EQUIT de Vette

Relinquished By:	Date: 12/4/00 8:35	Received By: C. Covera MCI	Date: 12/4 835
Relinquished By:	Date:	Received By:	Date:
Relinquished By:	Date:	Received By:	Date:

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# Chain-of-Custody

page 5 of 5 paperoject sdg no 24

Materials Engineering Division	- 241 Erie Street,	Room 234
Jersey City	NJ 07310	

Facility	Howland Hook
Project Info.	HH-PORT IVORY P&G SITE
Charge Code	501-233.295

Contact Name	Dorian Bailer Angelos Zafire lis
Contact Phone No.	(201) 216-2963/ (201) 216-2960
Contact Fax No.	(201) 216-2158
Contact Email:	

Destination Laboratory: HCV Lab Case/SDG:

EQuIS Sys_Sample_Code Loc(8)Date(6)Matrix(2)Type(2)Counter(2)	Contract Lab Sample ID	Date of Collection Year Time of Collection	Geotech Cross Id	# of Containers Preservative Codes (MeOH No.) Grab or Composite	PPVOA, +15+x316,4,	Pert 10C TAL Meta		EQUIS DIKEDE
		*				Para	meters/Analytes	
PG-F14408-1202005001	AB20317	12/2/00	Fill 5-1	3		1444	7777	7
7-AILLO8-104	20318		Fill, 5-4	3	100	レレン		4
-H/R-01- 1 01	20319		H/R, 5-1	3	12		<b>レ</b> レン ナ	7
V -H/R-011- 1 02	20320	1	H/R, 5-2	3	ーレ	レレレ	ソノノン	7
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Sampled By: To ha Zalks	Do in Hoen	e/Uil-
Sampling Method:		<del></del>

Pre	eser	vatir	es:

1. Ice 2. HCl

3. HNO3 6. H2SO4 TAT: STD OTHER One Week

Deliverables: NI Reduced Data Sum.
OTHER EQUIT Linke the

Relinquished By:		Date: 12/4/00 8-35	Received By: C Amena HCI	Date: 12/4 8535
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Relinquished By:		Date:	Received By:	Date: