CLEAN WATER/CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECT

SITE INVESTIGATION REPORT
VOLUME IV

for the

MATT PETROLEUM SITE
Leland Avenue, City of Utica
Oneida County, New York
DEC Site No. B00192-6

Prepared for:

CITY OF UTICA
1 Kennedy Plaza
Utica, New York 13502

Prepared by:

PLUMLEY ENGINEERING

8232 Loop Road
Baldwinsville, New York 13027
(315) 638-8587
Project No. 2003118

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VOLUME IV

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DATA USABILITY REPORTS

Premier Environmental Services

DATA VALIDATION REPORT
OF THE
MATT PETROLEUM SITE
CITY OF UTICA

ORGANIC AND INORGANIC ANALYSES
OF AQUEOUS AND NON AQUEOUS SAMPLES

CHEMTECH CONSULTING GROUP
MOUNTAINSIDE, NEW JERSEY

CATEGORY "A" REPORT NUMBERS:

S3159
S3160
S3161

October, 2004

Prepared for
Plumley Engineering, P.C.
Baldwinsville, New York

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

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's)** **Semivolatile Organic Compounds (SVOA's)** **Polychlorinated Biphenyls (PCB's)**
SITE:	**Matt Petroleum Terminal**
CONTRACT LAB:	**Chemtech Consulting** **Mountainside, New Jersey**
PROJECT NO.:	**S3159, S3160, S3161**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**October, 2004**
MATRIX:	**Aqueous, Non-Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6- CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). 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.

Table 1 of this report includes a cross reference between the Field Sample ID and Laboratory Sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for a total of fifty-four (54) samples listed on the COC documents. Samples were collected between June 10, 2004 and June 15, 2004 and delivered to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on June 19, 2004 for the analyses requested on the COC documentation. The samples were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes (SVOA) and Polychlorinated Biphenyl's (PCB's). In addition, samples were analyzed for TAL Metals and Total Cyanide as specified on the Chain of Custody documents that accompanied the samples to the laboratory. The data validation of the inorganic analytes is provided in the Inorganic Data Validation Report.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes and PCB's as noted by the COC documentation that accompanied the sample set. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDC ASP methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of the NYS DEC ASP (12/95) will supersede CLP requirements in terms of calibration (where applicable) and holding time. Chemtech Consulting Group generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category A deliverables. A NYS DEC ASP Category A deliverable consists of tabulated sample result pages, a case narrative and the Chain of Custody documents that accompany the samples to the laboratory.

The review of a Category "A" deliverable includes review of data results in terms of sample collection date and sample receipt date. A review of dilution factors when applicable, and review of the laboratory case narrative is also performed. Data qualifiers will be applied to data result pages based on the information provided in the case narrative.

Laboratory Report S3159 and S3160 each consisted of twenty (20) soil samples that were to be analyzed for the STARS Volatile Organic analytes and STARS Semivolatile Organic analytes. One (1) of the soil samples in Laboratory Report S3159 was analyzed for Polychlorinated Biphenyl's (PCB's). Three (3) of the soil samples in Laboratory Report S3160 were analyzed for Polychlorinated Biphenyl's (PCB's).

Laboratory Report S3161 consisted of ten (10) soils, three (3) Field Blanks and one (1) Trip Blank sample. All of the samples were analyzed for the STARS Volatile Organic analytes. All of the samples with the exception of the Trip Blank sample were analyzed for STARS Semivolatile Organic analytes.

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. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples and polychlorinated biphenyl samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days.

Volatile Organic Analyses (EPA Method 8260B) - The twenty (20) soil samples associated with Laboratory Report S3159 were collected June 10, 2004 and June 14, 2004. They were received at the laboratory on June 19, 2004. All sample analyses were completed by June 24, 2004. Based on the tabulated data result pages included in this report, all samples were analyzed within the NYSDEC method holding time.

Twenty (20) soil samples associated with Laboratory Report S3160 were collected June 11, 2004 and June 14, 2004. They were received at the laboratory on June 19, 2004. All sample analyses were completed by June 25, 2004. Based on the tabulated data result pages included in this report, all samples were analyzed within the NYSDEC method holding time.

ORGANIC DATA ASSESSMENT

2. HOLDING TIME (cont'd):

Volatile Organic Analyses (EPA Method 8260B) (cont'd):

Ten (10) soil samples, three (3) Field Blank samples and one (1) Trip Blank sample are associated with Laboratory Report S3161. The samples in this data set were collected June 10-15, 2004. The samples were received at the laboratory on June 19, 2004. All sample analyses were completed by June 27, 2004. Based on the tabulated data result pages included in this report, all samples were analyzed within the NYSDEC method holding time.

Semivolatile Organic Analyses (EPA Method 8270C) - The samples associated with Laboratory Report S3159 were collected on June 10, 2004 and June 14, 2004. They were received at the laboratory on June 19, 2004. Samples in this data set were prepared in one batch on June 23, 2004 within the method holding time. All extract analyses were completed by June 27, 2004. All analyses were performed within the proper holding time.

Twenty (20) soil samples associated with Laboratory Report S3160 were collected June 11, 2004 and June 14, 2004. They were received at the laboratory on June 19, 2004. Samples in this data set were prepared in one batch on June 23, 2004 within the method holding time. All extract analyses were completed by June 27, 2004. All analyses were performed within the proper holding time.

Ten (10) soil samples, three (3) Field Blank samples and one (1) Trip Blank sample are associated with Laboratory Report S3161. The samples in this data set were collected June 10-15, 2004. The samples were received at the laboratory on June 19, 2004. The soil and aqueous samples in this data set were prepared in two batches on June 23, 2004. All sample analyses were completed by July 4, 2004. Based on the tabulated data result pages included in this report, all samples were analyzed within the NYSDEC method holding time.

PCB Analyses – One (1) soil sample was reported with Laboratory Report S3159. Sample SB-14 (4-8) was collected on June 10, 2004. The sample was received at the laboratory on June 19, 2004. Sample SB-14 was extracted on June 23, 2004. Sample SB-14 was analyzed on July 2, 2004. The sample was prepared/extracted and analyzed within the method holding time.

Three (3) soil samples in Laboratory Report S3160 were analyzed and reported. The soil samples were received at the laboratory on June 19, 2004. The samples were extracted in one batch on June 22, 2004. The samples were analyzed on June 27, 2004. All sample preparations and analyses were within the method holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol, Nitrobenzene-d5, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic Analyses. The laboratory utilized in-house QC limits for the Semivolatile Organic analyses. All sample surrogate recoveries were summarized as required by the deliverable.

The surrogates Tetrachloro-m-xylene (TCX) and Dechachlorobiphenyl (DCB) were added to all the samples prior to the extraction and analysis for PCB's via EPA Method 8082. Chemtech Consulting Group utilized the in-house advisory limits for review purposes.

Volatile Organic Analyses (EPA Method 8260B) – The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3159 met QC criteria in all field samples associated with this data set with the exception of samples SB-7 (5-7), SB-16 (5-7) and SB-8 (6-8). This information was provided in the case narrative of the data report. The data report did not include information if the sample was reanalyzed or if matrix interference was confirmed. The target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3160 met QC criteria in all field samples associated with this data set with the exception of samples SB-27 (6-7) and SB-47 (3-6). This information was provided in the case narrative of the data report. The data report did not include information if the sample was reanalyzed or if matrix interference was confirmed. The target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3161 met QC criteria in all field samples associated with this data set with the exception of samples SB-54 (4-6). This information was provided in the case narrative of the data report. This sample was reanalyzed with dilution and acceptable surrogate recoveries were achieved. Sample data in the initial analysis has been qualified. The target analyte results in the initial analysis of this sample has been qualified "UJ/J" estimated.

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

3. SURROGATES (cont'd):

Semivolatile Organic Analyses (EPA Method 8270C) - The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3159 met QC criteria in all field samples associated with this data set with the exception of samples SB-13 (6-8) and SB-31 (6-7). This information was provided in the case narrative of the data report. The data report did not include information if the sample was reanalyzed or if matrix interference was confirmed. The target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3160 met QC criteria in all field samples associated with this data set with the exception of samples SB-40 (4-6) and SB-47 (3-6). This information was provided in the case narrative of the data report. The data report did not include information if the sample was reanalyzed or if matrix interference was confirmed. The target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries of the soil samples in Laboratory Report S3161 met QC criteria in all field samples associated with this data set with the exception of samples SB-54 (4-6) and SB-54 (4-6)RE. This information was provided in the case narrative of the data report. The case narrative indicated that the sample was reanalyzed and comparable data was obtained. The target analyte results in sample SB-54 (4-6) have been qualified "UJ/J" estimated.

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

PCB Analyses - The surrogates Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) were added to the soil sample in Laboratory Report S3159 prior to sample extraction. The laboratory reported surrogate recovery from one column on the tabulated data result forms. The surrogate recovery of each surrogate met QC criteria in the soil sample in this data set.

The surrogates Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) were added to the soil samples in Laboratory Report S3160 prior to sample extraction. The laboratory reported surrogate recovery from one column on the tabulated data result forms. The surrogate recovery of each surrogate met QC criteria in the soil samples in this data set.

ORGANIC DATA ASSESSMENT

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 and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Volatile Organic Analyses (EPA Method 8260B) – The MS/MSD analysis from Laboratory Report S3159 was performed on soil sample SB-14. The laboratory Category "A" report does not include summary report forms for the MS/MSD sample analyses.

The MS/MSD analysis from Laboratory Report S3160 was performed on soil sample SB-47 (3-6). The laboratory Category "A" report does not include summary report forms for the MS/MSD sample analyses.

Batch QC was utilized for Laboratory Report S3161. No additional information was provided.

Semivolatile Organic Analyses (EPA Method 8270C) – The MS/MSD analysis from Laboratory Report S3159 was performed on sample SB-14. The laboratory Category "A" report does not include summary report forms for the MS/MSD sample analyses.

The MS/MSD analysis from Laboratory Report S3160 was performed on sample SB-47 (3-6). The laboratory Category "A" report does not include summary report forms for the MS/MSD sample analyses.

MS/MSD information was not provided in Laboratory Report S3161.

PCB Analyses - The MS/MSD analysis from Laboratory Report S3159 was performed on soil sample SB-14. The sample was spiked with Aroclor 1016 and 1260. The laboratory Category A report does not include summary report forms for the MS/MSD sample analyses.

The MS/MSD analysis from Laboratory Report S3160 was performed on soil sample SB-47 (3-6). The sample was spiked with Aroclor 1016 and 1260. The laboratory Category "A" report does not include summary report forms for the MS/MSD sample analyses.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260B) – Method blank summary data is not included in a Category "A" deliverable.

Semivolatile Organic Analyses (EPA Method 8270C) – Method blank summary data is not included in a Category "A" deliverable.

PCB Analyses – Method blank summary data is not included in a Category "A" deliverable.

B) Field or Equipment Rinse Blank (ERB) contamination

Volatile Organic Analytes – A Field Blank sample is not associated with Laboratory Reports S3159 and S3160.

Three (3) Field Blank samples are reported in Laboratory Report S3161. Each was free from contamination of target analytes.

Semivolatile Organic Analytes – A Field Blank sample is not associated with Laboratory Reports S3159 and S3160.

Three (3) Field Blank samples are reported in Laboratory Report S3161. Each was free from contamination of target analytes.

PCB Analytes – A Field Blank sample is not associated with Laboratory Reports S3159, S3160 and S3161.

C) Trip Blank contamination

A Trip Blank sample is not associated with Laboratory Reports S3159 and S3160.

One (1) Field Blank sample is reported in Laboratory Report S3161. It was free from contamination of target analytes.

6. 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. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, 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. Region II 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). Region II 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 Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Calibration data and calibration summary forms are not provided in a Category "A" deliverable. Review of calibration data was not performed.

Semivolatile Organic Analyses (EPA Method 8270C) – Calibration data and calibration summary forms are not provided in a Category "A" deliverable. Review of calibration data was not performed.

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 and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Calibration data and calibration summary forms are not provided in a Category "A" deliverable. Review of calibration data was not performed.

Semivolatile Organic Analyses (EPA Method 8270C)– Calibration data and calibration summary forms are not provided in a Category "A" deliverable. Review of calibration data was not performed.

ORGANIC DATA ASSESSMENT

7. GC CALIBRATION

GC Calibration of the PCB analytes was performed in accordance with the USEPA SW846 method. All analyses are performed using a single injection with a splitter and dual column (RTx-5/RTx-1701) analysis. This includes the analysis of a five-point calibration curve for each of the pesticides, Aroclor 1260 and Aroclor 1016. The analyte calibration factors and retention time windows are established. Multi-peak analytes are calibrated by the analysis of a single point of each. The %RSD of each analyte/peak must be less than 20% in the initial calibration curve analysis. Continuing calibration is performed after each ten (10) field samples. %Difference is calculated.

PCB Analyses – Calibration data and calibration summary forms are not provided in a Category "A" deliverable. Review of calibration data was not performed.

8. 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 area count evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260B) - All samples were spiked with the internal standards Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis.

The area counts and retention time of each internal standard met QC criteria in each of the soil samples in Laboratory Report S3159 with the exception of sample SB-1 (2-4) and SB8 (6-8). The tabulated data result pages do not specify which Internal Standard exceeded QC criteria, therefore, all target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The area counts and retention time of each internal standard met QC criteria in each of the soil samples in Laboratory Reports S3160 and S3161 met QC criteria.

8. GC/MS INTERNAL STANDARDS PERFORMANCE (cont'd):

Semivolatile Organic Analyses (EPA Method 8270C) - All samples were spiked with the internal standards 1,4-Diclorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 prior to sample analysis. The area counts and retention time of each internal standard met QC criteria in each of the soil samples in Laboratory Report S3159 with the exception of sample SB-13 (6-8). The tabulated data result pages do not specify which Internal Standard exceeded QC criteria, therefore, all target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The area counts and retention time of each internal standard met QC criteria in each of the soil samples in Laboratory Report S3160 with the exception of sample SB-47 (3-6) MS, SB-48 (3-6) and SB-27 (6-7). The tabulated data result pages do not specify which Internal Standard exceeded QC criteria, therefore, all target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

The area counts and retention time of each internal standard met QC criteria in each of the soil samples in Laboratory Report S3161 with the exception of sample SB-58 (4-6). The tabulated data result pages do not specify which Internal Standard exceeded QC criteria, therefore, all target analyte results in each of these samples has been qualified "UJ/J" estimated.

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

9. 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/Semivolatile Organic Analyses - Tune criteria is not summarized or reported in a Category "A" deliverable report. Review of tune criteria was not performed for this series of data reports.

ORGANIC DATA ASSESSMENT

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 ± 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 (EPA Method 8260B) – Sample S3159 consisted of twenty (20) soil samples that were analyzed via Method 8260B. All of the soil samples in this data set reported the STARS List of VOA analytes. All sample data was reported without dilution. Tabulated data result pages were included in the data report. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory.

Sample S3160 consisted of twenty (20) soil samples that were analyzed via Method 8260B. All of the soil samples in this data set reported the STARS List of VOA analytes. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory. The samples in this data set were prepared and analyzed using an extraction process. The reporting limits and method detection limits were elevated to account for the soil sample preparation. Sample SB-27 (6-7) was analyzed with an additional dilution of 1:10 due to the concentration of target analytes detected in the sample.

Sample S3161 consisted of ten (10) soil samples, three (3) Field Blank samples and one (1) Trip Blank sample that were analyzed via Method 8260B. All of the samples in this data set reported the STARS List of VOA analytes. All sample data was reported without dilution with the exception of sample SB54 (4-6). Tabulated data result pages were included in the data report. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory.

Sample SB-54 (4-6) was initially analyzed with a dilution factor of 1:5. It was reanalyzed with an additional dilution of 1:10 due to the concentration of 1,2,4-Trimethylbenzene detected in the sample.

10. COMPOUND IDENTIFICATION (cont'd):

Semivolatile Organic Analyses (SW846 Method 8270C) – Sample S3159 consisted of twenty (20) soil samples that were analyzed via Method 8270C. All of the soil samples in this data set reported the STARS List of SVOA analytes. Tabulated data result pages were included in the data report. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory. The tabulated data result page for sample SB-1(2-4) indicated that the sample was analyzed using a 1:2 dilution due to the presence of target analytes detected in the soil sample.

Sample S3160 consisted of twenty (20) soil samples that were analyzed via Method 8270C. All of the soil samples in this data set reported the STARS List of SVOA analytes. Tabulated data result pages were included in the data report. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory. The soil samples in this data set were reported without additional dilution.

Sample S3161 consisted of ten (10) soil samples that were analyzed via Method 8270B. All of the samples in this data set reported the STARS List of VOA analytes. All sample data was reported without dilution with the exception of samples SB-54 (4-6) and SB-58 (4-6). Tabulated data result pages were included in the data report. Raw data was not required based on the deliverable type requested on COC documents that accompanied the samples to the laboratory.

Sample SB-54 (4-6) was reported with a dilution factor of 1:10 due to the concentration of target analytes reported. Sample SB-58 (4-6) was reported with a dilution of 1:2 due to the concentration of target analytes detected in the sample.

PCB Analyses – One (1) soil sample was prepared and analyzed in Laboratory Report S3159. This sample was analyzed and reported without dilution. Raw data is not provided in a Category "A" deliverable report. PCB's were not detected in this soil sample.

Three (3) soil samples were prepared and analyzed in Laboratory Report S3160. Each of the samples were analyzed and reported without dilution. Raw data is not provided in a Category "A" deliverable report. Aroclor 1016 was detected in soil sample SB-47 (4-8) at a concentration of 350 ug/kg. The laboratory qualified the result with a "P". This indicates that the concentration between the two dissimilar columns had a %Difference greater than 25%. This result has been qualified "J" estimated on the data result page.

Qualified data results are located in Appendix B of this report.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in the validation report. NYS DEC ASP Category "A" deliverables were reported for each sample in the data sets. Raw data was not provided for review to this data validator. The laboratory provided a complete ASP Category "A" data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All sample results are reported to the method detection limit. Reporting limits and positive results are adjusted based on the sample volume utilized for each extraction procedure and additional sample dilutions. Soil sample data has been reported on a dry weight basis. All data provided for this data set is acceptable for use, with noted data qualifiers.

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

DATA VALIDATION FOR:	**Total TAL Metals, Total Cyanide**
SITE:	**Matt Petroleum Terminal Site**
CONTRACT LAB:	**Chemtech Consulting Group Mountainside, NJ**
REPORT NO.:	**S3159, S3160, S3161**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**October, 2004**
MATRIX:	**Aqueous, Non Aqueous**

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. In addition method QA/QC and procedures were used to evaluate this data. All data are considered valid and acceptable except those analytes which have been rejected "R" (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. A full list of qualifier definitions that may be used in this report is located in Appendix A of this report. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross-reference between the Field Sample ID and Laboratory Sample ID associated with this data set. The definitions of the qualifiers used in this data report are summarized in Appendix A. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for a total of fifty-four (54) samples listed on the COC documents. Samples were collected between June 10, 2004 and June 15, 2004 and delivered to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on June 19, 2004 for the analyses requested on the COC documentation. The samples were analyzed for TAL Metals and Total Cyanide. The samples were also analyzed for a number of organic analytes. The results of the organic data review/validation are located in the Organic Data Validation report.

INORGANIC DATA ASSESSMENT

1. OVERVIEW

Analyses were performed using the appropriate SW846 Methods cited in the testing requirements of this work plan. Data validation will utilize the validation guidelines in the above documents, however, QA/QC requirements of SW846 Methods will supersede CLP requirements in terms of holding time. A summary of the applicable QC will be discussed at each section of the report. Chemtech Consulting Group reported the data results in Category "A" deliverable. A Category "A" deliverable consists of tabulated result pages. Raw data and QC data are not provided in this report.

Laboratory Report S3159 consists of the analysis of one (1) soil sample that was analyzed for Total TAL Metals and Total Cyanide.

Laboratory Report S3160 consists of the analysis of one (1) soil sample that was analyzed for Total TAL Metals and Total Cyanide.

Laboratory Report S3161 consists of the analysis of one (1) soil sample that was analyzed for Total TAL Metals and Total Cyanide. In addition three (3) Field Blank samples were analyzed for TAL Metals and Total Cyanide.

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. The NYS DEC ASP holding time criteria is from Verified Time of Sample Receipt (VTSR). The holding times cited for aqueous samples are used for non-aqueous samples. Preservation for all non-aqueous samples is limited to cooling 4 degrees C.

The ICP Metal holding time is 6 months for soil samples. Mercury is to be analyzed within 26 days of VTSR. Total Cyanide sample analyses are to be completed within 26 days of VTSR.

The samples associated with Laboratory Report S3159 were collected on June 10, 2004. The samples were received at the laboratory on June 19, 2004. The samples were received in good condition. The sample digestates were analyzed on June 25, 2004. The Category "A" data report does not specify the date the samples were digested however, the data was reported within 6 months of collection. This data validator has assumed that the holding time for the ICP Metals, Mercury and Total Cyanide analyses were met.

The samples associated with Laboratory Report S3160 were collected on June 11, 2004 and June 14, 2004. The samples were received at the laboratory on June 19, 2004. The samples were received in good condition. The Category "A" data report format does not specify the date the samples were digested and analyzed, however, the laboratory included a lab chronicle for the inorganic analyses associated with this data set. The soil sample was digested for ICP metals on June 23, 2004. The digestate was analyzed via ICP on June 24, 2004. The soil sample was digested for Mercury analysis on June 24, 2004. The sample was analyzed for Mercury on June 25, 2004. The soil sample was prepared and analyzed for Total Cyanide on June 23, 2004. The holding times for all analyses associated with this data set met QC criteria.

2. HOLDING TIME (cont'd):

The samples associated with Laboratory Report S3161 were collected June 10, 2004 through June 15, 2004. The samples were received at the laboratory on June 19, 2004. The samples were received in good condition. The Category "A" data report format does not specify the date the samples were digested and analyzed, however, the laboratory included a lab chronicle for the inorganic analyses associated with this data set. The soil sample was digested for ICP metals on June 24, 2004. The digestate was analyzed via ICP on June 24, 2004. The soil sample was digested for Mercury analysis on June 24, 2004. The sample was analyzed for Mercury on June 25, 2004. The soil sample was prepared and analyzed for Total Cyanide on June 28, 2004. The aqueous samples were digested for ICP metals on June 29, 2004. The digestates were analyzed via ICP on June 30, 2004. The aqueous samples were digested for Mercury analysis on June 24, 2004. The sample was analyzed for Mercury on June 25, 2004. The aqueous samples were prepared and analyzed for Total Cyanide on June 28, 2004. The holding times for all analyses associated with this data set met QC criteria.

3. CALIBRATION

Samples associated with this data set were analyzed using Inductively Coupled Plasma (ICP) methodology. The ICP is to be calibrated daily prior to use. A blank and at least one standard is analyzed to establish the calibration curve. The instrumental calibration near the Contract Required Detection Limit (CRDL) must be verified for each analyte. The recovery of the CRDL standard must be +/-20% of the true value.

Initial and continuing calibration verification (ICV/CCV) standards are analyzed at the beginning and after each ten field samples. The recovery must meet control limits of +/-10% of the True Value. Initial and continuing calibration blank (ICB/CCB) samples are also analyzed to insure that there is not contamination within the ICP system.

The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Calibration summary data is not provided for review with this deliverable. Review of QA/QC associated with the ICP analyses of the data was not performed.

Analysis for Cold Vapor Mercury is calibrated using multi point standards and calculating the correlation coefficient of the curve. The correlation coefficient must be greater than 0.995. One of the calibrations standards must be analyzed at the CRDL. The initial calibration of each of these analyses met QC criteria. Continuing calibration standard analysis was performed using a mid point standard and calculating the concentration of the standard in terms of recovery from the initial calibration curve.

The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Calibration summary data is not provided for review with this deliverable. Review of QA/QC associated with the Mercury analyses was not performed.

Analysis for Total Cyanide is calibrated using multi point standards and calculating the correlation coefficient of the curve. The correlation coefficient must be greater than 0.995. One of the calibrations standards must be analyzed at the CRDL. The initial calibration of each of these analyses met QC criteria. Continuing calibration standard analysis was performed using a mid point standard and calculating the concentration of the standard in terms of recovery from the initial calibration curve.

The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Calibration summary data is not provided for review with this deliverable. Review of QA/QC associated with the Cyanide analyses was not performed.

4. INTERFERENCE CHECK SAMPLE ANALYSIS (ICS) – ICP Analyses

The Interference Check Sample (ICS) is used to verify the laboratories interelement and background correction factors used for the analyses reported. The ICS is analyzed at both the start and end (or a minimum of one time per eight hours) of each analytical sequence.

The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Calibration summary data is not provided for review with this deliverable. Review of QA/QC associated with the ICP analyses was not performed.

5. MATRIX SPIKE ANALYSES

Matrix Spike data is generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS data may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the EPA recovery range of 75%-125% of the True Value for reporting purposes.

Laboratory Report S3159 included the ICP MS analysis of sample SB-14 (4-8). Chemtech Consulting submitted the MS and MSD summary report forms with this Category "A" deliverable. All percent recoveries met QC criteria with the exception of Lead (75.4%/79.0%), Potassium (72.6%/72.7%) and Zinc (62.3%/68.8%). The laboratory applied 80-120% recovery criteria to this data set. Lead, Potassium and Zinc sample results have been qualified "UJ/J" estimated in the sample associated with this data set.

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

Sample SB-14 (4-8) was utilized for the matrix spike analysis for Total Cyanide. The percent recovery of the Cyanide spike met QC criteria.

Laboratory Report S3160 included the ICP MS analysis of sample SB-47 (3-6). Chemtech Consulting submitted the MS and MSD summary report forms with this Category "A" deliverable. All percent recoveries met QC criteria with the exception of Calcium, Potassium and Zinc. The laboratory did not provide summary forms for review. The case narrative indicated these QC outliers, therefore, the Calcium, Potassium and Zinc sample results have been qualified "UJ/J" estimated in the sample associated with this data set.

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

The laboratory indicated in the Case Narrative that Total Cyanide MS/MSD was performed. No QC summary forms were included for review. Data was not qualified based on this statement.

The case narrative in Laboratory Report S3161 indicated that MS/MSD was performed. No QC summary forms were included for review. The case narrative indicated that all percent recoveries met QC criteria with the exception of Antimony, Chromium, Lead, Nickel and Vanadium. The laboratory did not provide summary forms for review. The case narrative indicated these analytes were QC outliers, therefore, the Antimony, Chromium, Lead, Nickel and Vanadium results have been qualified "UJ/J" estimated in the sample associated with this data set.

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

The laboratory indicated in the Case Narrative that Total Cyanide MS/MSD was performed. No QC summary forms were included for review. Data was not qualified based on this statement.

6. 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 pre-digestion spike recovery falls outside the 75-125% control limit.

Chemtech Consulting performed post digestion spike analysis on sample SB-14 (4-8) in Laboratory Report S3159. The recovery of Lead, Potassium and Zinc in the post digestion spike sample exceeded QC criteria. The recovery of the post digestate spike confirms the presence of matrix interference within this sample set.

Chemtech Consulting performed post digestion spike analysis on sample SB-47 (3-6) in Laboratory Report S3160. The recovery of Calcium and Zinc in the post digestion spike sample exceeded QC criteria. The recovery of the post digestate spike confirms the presence of matrix interference within this sample set.

Chemtech Consulting did not indicate or provide information to determine if a post digestion spike analysis was performed with the samples in Laboratory Report S3161.

7. DUPLICATE LABORATORY SAMPLE ANALYSIS

Duplicate sample analysis is used as an indicator of laboratory precision for each sample matrix. The duplicate analysis is used to assess precision of both sample preparation and sample analysis. A control limit of 35% is utilized for soil sample analyses.

TAL Metals - The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Duplicate sample summary data is not provided for review with this deliverable. Review of QA/QC associated with the duplicate sample analysis of the soil sample was not performed.

Total Cyanide - Chemtech Consulting Group prepared sample SB-14 (4-8) in duplicate for Total Cyanide analysis in Laboraotry Report S3159. The Relative Percent Difference between duplicate analyses met QC criteria.

Chemtech Consulting did not indicate or provide information to determine if a duplicate sample analysis was performed with the soil sample in Laboratory Report S3160 and S3161.

8. LABORATORY CONTROL SAMPLE ANALYSIS

Chemtech Consulting prepared a Laboratory Control Sample with the sample batch associated with the TAL Metal analyses. The LCS is used to determine if matrix interference in the matrix spike sample is due to the sample matrix or a contamination or interference added by the digestion process.

The laboratory reported a Category "A" deliverable for Laboratory Report S3159, S3160 and S3161. Laboratory Control Sample summary data is not provided for review with this deliverable. Review of QA/QC associated with the LCS analysis was not performed.

INORGANIC DATA ASSESSMENT

9. BLANK CONTAMINATION

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank. The following analytes in the samples shown were qualified "U" for these reasons:

A) Method Blank contamination

TAL Metals - Method blank summary data is not included in a Category "A" deliverable.

Total Cyanide – Method blank summary data is not included in a Category "A" deliverable.

B) Field or Equipment Rinse Blank (ERB) contamination

A field blank sample is not associated with Laboratory Report S3159 and S3160.

Three (3) Field Blank samples are associated with Laboratory Report S3161. Each was free from contamination of target analytes with the exception of Thallium in sample FB-1 and FB-3. Thallium was not detected in the soil samples associated with this data set, therefore no action was taken.

C) Trip Blank (TB) contamination

A trip blank is associated with Laboratory Report S3161. It was not analyzed for inorganic analytes.

10. SERIAL DILUTION ANALYSES

ICP Serial dilution analysis is used to determine whether significant physical or chemical interferences exist due to sample matrix. Acceptable %Difference of the ICP Serial Dilution sample analysis are results which agree with a %Difference of less than 10%.

ICP serial dilution summary data is not provided in a Category "A" deliverable. Review of this QC information was not performed.

11. INSTRUMENT QC DATA

The laboratory is required by the method to perform specific instrument verification tests on a specific timeframe. A Category "A" deliverable report does not include copies of the required Instrument Study data for review. Review of this data was not performed.

INORGANIC DATA ASSESSMENT

12. COMPOUND IDENTIFICATION

All samples were analyzed for the analytes listed on the COC documents in accordance with the cited method. The soil sample in Laboratory Report S3159 was reported and analyzed without dilution. The soil sample in Laboratory Report S3160 was reported and analyzed without dilution. The sample data in Laboratory Report S3161 was reported and analyzed without dilution. The soil sample data was reported in the units mg/kg. Soil sample data is reported on a dry weight basis. The aqueous sample data is reported in the units ug/l.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The data associated with this data set is acceptable for use with the noted data qualifiers. Data qualifiers have been applied to this data set based on the guidelines in the cited EPA documents. A description of the qualifiers and decision for them is located in Appendix A of this report as well as detailed in the above report. The data associated with these NYS DEC ASP Category "A" deliverable reports are acceptable for use with the noted data qualifiers. Soil sample results are reported on a dry weight basis.

Premier Environmental Services

TABLE 1

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Premier Environmental Services

FIELD SAMPLE ID	LABORATORY ID
SB-1	S3159-01
SB-4	S3159-02
SB-3	S3159-03
SB-5	S3159-04
SB-6	S3159-05
SB-7	S3159-06
SB-8	S3159-07
SB-9	S3159-08
SB-10	S3159-09
SB-11	S3159-10
SB-12	S3159-11
SB-13	S3159-12
SB-14	S3159-13
SB-16	S3159-16
SB-17	S3159-17
SB-18	S3159-18
SB-31	S3159-19
SB-32	S3159-20
SB-33	S3159-21
SB-34	S3159-22
SB-19	S3160-01
SB-20	S3160-02
SB-22	S3160-03
SB-23	S3150-04
SB-24	S3160-05
SB-25	S3160-06
SB-27	S3160-07
SB-28	S3160-08
SB-29	S3160-09
SB-30	S3160-10
SB-36	S3160-11
SB-39	S3160-12
SB-40	S3160-13
SB-41	S3160-14
SB-42	S3160-15
SB-44	S3160-16
SB-45	S3160-17
SB-46	S3160-18
SB-47	S3160-19
SB-48	S3160-20

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Premier Environmental Services

FIELD SAMPLE ID	LABORATORY ID
SB-49	S3161-01
SB-50	S3161-02
SB-51	S3161-03
SB-52	S3161-04
SB-53	S3161-05
SB-54	S3151-06
SB-56	S3161-07
SB-57	S3161-08
SB-58	S3161-09
FB-1	S3161-10
FB-2	S3161-11
FB-3	S3161-12
TRIPBLANK	S3161-13
SB-38	S3161-14

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Premier Environmental Services

APPENDIX A

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
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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/unusable. 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.

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APPENDIX B

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
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Volatiles
SW-846

SDG No.: S3159

Client: Plumley Engineering, P.C.

Sample ID: S3159-01 Client ID: SB-12-4

Date Collected: 6/10/2004 Date Received: 6/19/2004
Date Analyzed: 6/23/2004 Matrix: SOIL
File ID: VG062224.D Analytical Run ID: VG062104
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 8260 Associated Blank: VBG0622S2
Sample Wt/Wol: 5.0 Units: g Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 24

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 0.30 UJ	U	6.6	0.30	ug/Kg
Benzene	71-43-2	< 0.27	U	6.6	0.27	ug/Kg
Toluene	108-88-3	< 0.34	U	6.6	0.34	ug/Kg
Ethyl Benzene	100-41-4	< 0.33	U	6.6	0.33	ug/Kg
m/p-Xylenes	136777-61-2	< 0.68	U	6.6	0.68	ug/Kg
o-Xylene	95-47-6	< 0.57	U	6.6	0.57	ug/Kg
Isopropylbenzene	98-82-8	< 0.49	U	6.6	0.49	ug/Kg
N-propylbenzene	103-61-5	< 0.54	U	6.6	0.54	ug/Kg
1,3,5-Trimethylbenzene	108-67-8	< 0.38	U	6.6	0.38	ug/Kg
tert-Butylbenzene	98-06-6	< 0.36	U	6.6	0.36	ug/Kg
1,2,4-Trimethylbenzene	95-63-6	< 0.54	U	6.6	0.54	ug/Kg
Sec-butylbenzene	135-98-8	< 0.32	U	6.6	0.32	ug/Kg
p-Isopropyltoluene	99-87-6	< 0.77	U	6.6	0.77	ug/Kg
n-Butylbenzene	104-51-8	< 0.54	U	6.6	0.54	ug/Kg
Naphthalene	91-20-3	< 0.39	U	6.6	0.39	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	59.41	119 %	75 - 125		SPK: 50
Dibromofluoromethane	1868-53-7	49.56	99 %	75 - 125		SPK: 50
Toluene-d8	2037-26-5	50.26	101 %	75 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	48.01	96 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	54305	4.60			
1,4-Difluorobenzene	540-36-3	103324	5.34			
Chlorobenzene-d5	3114-55-4	93528	8.60			
1,4-Dichlorobenzene-d4	3855-82-1	32610	10.74			

Volatiles
SW-846

SDG No.: S3159

Client: Plumley Engineering, P.C.

Sample ID:	S3159-06	Client ID:	SB-75-7
Date Collected:	6/10/2004	Date Received:	6/19/2004
Date Analyzed:	6/23/2004	Matrix:	SOIL
File ID:	VG062227.D	Analytical Run ID:	VG062104
Dilution:	1	Instrument ID:	MSVOAG
Analytical Method:	8260	Associated Blank:	VBG0622S2
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	16

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 0.27 UJ	U	6.0	0.27	ug/Kg
Benzene	71-43-2	< 0.24	U	6.0	0.24	ug/Kg
Toluene	108-88-3	< 0.31	U	6.0	0.31	ug/Kg
Ethyl Benzene	100-41-4	< 0.30	U	6.0	0.30	ug/Kg
m/p-Xylenes	136777-61-2	< 0.61	U	6.0	0.61	ug/Kg
o-Xylene	95-47-6	< 0.51	U	6.0	0.51	ug/Kg
Isopropylbenzene	98-82-8	100 J		6.0	0.44	ug/Kg
N-propylbenzene	103-61-5	180 J		6.0	0.49	ug/Kg
1,3,5-Trimethylbenzene	108-67-8	< 0.34 UJ	U	6.0	0.34	ug/Kg
tert-Butylbenzene	98-06-6	< 0.33	U	6.0	0.33	ug/Kg
1,2,4-Trimethylbenzene	95-63-6	< 0.48	U	6.0	0.48	ug/Kg
Sec-butylbenzene	135-98-8	210 J		6.0	0.29	ug/Kg
p-Isopropyltoluene	99-87-6	< 0.70 UJ	U	6.0	0.70	ug/Kg
n-Butylbenzene	104-51-8	220 J		6.0	0.49	ug/Kg
Naphthalene	91-20-3	< 0.35 UJ	U	6.0	0.35	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	59.39	119 %	75 - 125		SPK: 50
Dibromofluoromethane	1868-53-7	59.94	120 %	75 - 125		SPK: 50
Toluene-d8	2037-26-5	46.26	93 %	75 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	105.66	211 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	626125	4.60			
1,4-Difluorobenzene	540-36-3	1122691	5.34			
Chlorobenzene-d5	3114-55-4	797036	8.59			
1,4-Dichlorobenzene-d4	3855-82-1	343177	10.74			

Volatiles
SW-846

SDG No.: S3159

Client: Plumley Engineering, P.C.

Sample ID: S3159-07 Client ID: SB-86-8

Date Collected: 6/10/2004 Date Received: 6/19/2004
Date Analyzed: 6/23/2004 Matrix: SOIL
File ID: VG062228.D Analytical Run ID: VG062104
Dilution: 1 Instrument ID: MSVOAG
Analytical Method: 8260 Associated Blank: VBG0622S2
Sample Wt/Vol: 5.0 Units: g Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 0.28 UJ	U	6.2	0.28	ug/Kg
Benzene	71-43-2	4.2 J	J	6.2	0.25	ug/Kg
Toluene	108-88-3	2.7 J	J	6.2	0.32	ug/Kg
Ethyl Benzene	100-41-4	< 0.31 UJ	U	6.2	0.31	ug/Kg
m/p-Xylenes	136777-61-2	4.7 J	J	6.2	0.63	ug/Kg
o-Xylene	95-47-6	5.3	J	6.2	0.53	ug/Kg
Isopropylbenzene	98-82-8	18		6.2	0.46	ug/Kg
N-propylbenzene	103-61-5	22		6.2	0.51	ug/Kg
1,3,5-Trimethylbenzene	108-67-8	7.2		6.2	0.35	ug/Kg
tert-Butylbenzene	98-06-6	< 0.34 UJ	U	6.2	0.34	ug/Kg
1,2,4-Trimethylbenzene	95-63-6	11 J		6.2	0.50	ug/Kg
Sec-butylbenzene	135-98-8	88 J		6.2	0.30	ug/Kg
p-Isopropyltoluene	99-87-6	< 0.72 UJ	U	6.2	0.72	ug/Kg
n-Butylbenzene	104-51-8	< 0.51	U	6.2	0.51	ug/Kg
Naphthalene	91-20-3	< 0.37	U	6.2	0.37	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	58.79	118 %	75 - 125		SPK: 50
Dibromofluoromethane	1868-53-7	57.17	114 %	75 - 125		SPK: 50
Toluene-d8	2037-26-5	51.56	103 %	75 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	68.37	137 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	261842	4.60			
1,4-Difluorobenzene	540-36-3	500450	5.33			
Chlorobenzene-d5	3114-55-4	429118	8.59			
1,4-Dichlorobenzene-d4	3855-82-1	153039	10.73			

Volatiles
SW-846

SDG No.: S3159

Client: Plumley Engineering, P.C.

Sample ID: S3159-16 Client ID: SB-165-7

Date Collected: 6/10/2004 Date Received: 6/19/2004
Date Analyzed: 6/24/2004 Matrix: SOIL
File ID: VK062367.D Analytical Run ID: VK062304
Dilution: 1 Instrument ID: MSVOAK
Analytical Method: 8260 Associated Blank: VBK0623M3
Sample Wt/Vol: 5.0 Units: g Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 19

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 0.28 UJ	U	6.2	0.28	ug/Kg
Benzene	71-43-2	4.4 J	J	6.2	0.25	ug/Kg
Toluene	108-88-3	< 0.32 UJ	U	6.2	0.32	ug/Kg
Ethyl Benzene	100-41-4	92 J		6.2	0.31	ug/Kg
m/p-Xylenes	136777-61-2	22 J		6.2	0.63	ug/Kg
o-Xylene	95-47-6	< 0.53 UJ	U	6.2	0.53	ug/Kg
Isopropylbenzene	98-82-8	42 J		6.2	0.46	ug/Kg
N-propylbenzene	103-61-5	73 ↓		6.2	0.51	ug/Kg
1,3,5-Trimethylbenzene	108-67-8	190 ↓		6.2	0.35	ug/Kg
tert-Butylbenzene	98-06-6	< 0.34 UJ	U	6.2	0.34	ug/Kg
1,2,4-Trimethylbenzene	95-63-6	200 J		6.2	0.50	ug/Kg
Sec-butylbenzene	135-98-8	< 0.30 UJ	U	6.2	0.30	ug/Kg
p-Isopropyltoluene	99-87-6	< 0.72 UJ	U	6.2	0.72	ug/Kg
n-Butylbenzene	104-51-8	57 J		6.2	0.51	ug/Kg
Naphthalene	91-20-3	< 0.37 UJ	U	6.2	0.37	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	45.51	91 %	75 - 125		SPK: 50
Dibromofluoromethane	1868-53-7	51.61	103 %	75 - 125		SPK: 50
Toluene-d8	2037-26-5	72.02	144 %	75 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	48.8	98 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	152049	4.24			
1,4-Difluorobenzene	540-36-3	274479	4.87			
Chlorobenzene-d5	3114-55-4	231144	7.36			
1,4-Dichlorobenzene-d4	3855-82-1	93888	8.78			

SVOC

SDG No.: S3159

Client: Plumley Engineering, P.C.

Sample ID:	S3159-19	Client ID:	SB-316-7
Date Collected:	6/11/2004	Date Received:	6/19/2004
Date Analyzed:	6/27/2004	Matrix:	SOIL
Date Extracted:	6/23/2004	File ID:	BB016581.D
Dilution:	1	Instrument ID:	BNAB
Analytical Method:	8270	Analytical Run ID:	BB061604
Sample Wt/Vol:	15.1	Extract Vol:	500
Injection Vol:	2	% Moisture:	22
Associated Blank:	PB15711B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 9.2 UJ	U	420	9.2	ug/Kg
Acenaphthene	83-32-9	< 9.3 UJ	U	420	9.3	ug/Kg
Fluorene	86-73-7	1600 J		420	12	ug/Kg
Phenanthrene	85-01-8	3300		420	9.4	ug/Kg
Anthracene	120-12-7	660		420	10	ug/Kg
Fluoranthene	206-44-0	410	J	420	5.9	ug/Kg
Pyrene	129-00-0	400	J	420	7.5	ug/Kg
Benzo(a)anthracene	56-55-3	81	J	420	6.4	ug/Kg
Chrysene	218-01-9	110	J	420	13	ug/Kg
Benzo(b)fluoranthene	205-99-2	53	J	420	22	ug/Kg
Benzo(k)fluoranthene	207-08-9	< 14 UJ	U	420	14	ug/Kg
Benzo(a)pyrene	50-32-8	< 7.3	U	420	7.3	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	< 10	U	420	10	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 12	U	420	12	ug/Kg
Benzo(g,h,i)perylene	191-24-2	< 18	U	420	18	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	369.17	185 %	23 - 120		SPK: 20(
2-Fluorobiphenyl	321-60-8	108.75	54 %	30 - 116		SPK: 20(
Terphenyl-d14	1718-51-0	100.42	50 %	18 - 137		SPK: 20(
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	251501	5.72			
Naphthalene-d8	1146-65-2	503843	7.99			
Acenaphthene-d10	15067-26-2	350401	11.48			
Phenanthrene-d10	1517-22-2	454732	14.46			
Chrysene-d12	1719-03-5	824127	19.74			
Perylene-d12	1520-96-3	513479	22.72			

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3159 **Method Type:** SW846

Sample ID: S3159-13 **Client ID:** SB-144-8

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3159 **SAS No.:** S3159

Matrix: SOIL **Date Received:** 6/19/2004 **Level:** LOW

% Solids: 67.3

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	11400	mg/Kg			P	0.935	P1	P106244
7440-36-0	Antimony	0.837	mg/Kg	U		P	0.837	P1	P106244
7440-38-2	Arsenic	14.9	mg/Kg			P	0.352	P1	P106244
7440-39-3	Barium	94.6	mg/Kg			P	0.033	P1	P106244
7440-41-7	Beryllium	0.751	mg/Kg			P	0.006	P1	P106244
7440-43-9	Cadmium	0.396	mg/Kg	J		P	0.068	P1	P106244
7440-70-2	Calcium	9830	mg/Kg			P	0.520	P1	P106244
7440-47-3	Chromium	16.5	mg/Kg			P	0.141	P1	P106244
7440-48-4	Cobalt	15.0	mg/Kg			P	0.117	P1	P106244
7440-50-8	Copper	48.2	mg/Kg			P	0.169	P1	P106244
7439-89-6	Iron	30300	mg/Kg			P	2.620	P1	P106244
7439-92-1	Lead	104	mg/Kg	J	N	P	0.153	P1	P106244
7439-95-4	Magnesium	5200	mg/Kg			P	0.024	P1	P106244
7439-96-5	Manganese	534	mg/Kg			P	1.190	P1	P106244
7439-97-6	Mercury	0.60	mg/Kg			CV	0.01	CV1	062504A
7440-02-0	Nickel	35.2	mg/Kg			P	0.224	P1	P106244
7440-09-7	Potassium	1980	mg/Kg	J	N	P	4.890	P1	P106244
7782-49-2	Selenium	1.580	mg/Kg			P	0.465	P1	P106244
7440-22-4	Silver	0.588	mg/Kg	J		P	0.156	P1	P106244
7440-23-5	Sodium	55.2	mg/Kg	U		P	55.2	P1	P106244
7440-28-0	Thallium	0.490	mg/Kg	U		P	0.490	P1	P106244
7440-62-2	Vanadium	24.7	mg/Kg			P	0.152	P1	P106244
7440-66-6	Zinc	115	mg/Kg	J	N	P	0.083	P1	P106244

SVOC

SDG No.: S3160

Client: Plumley Engineering, P.C.

Sample ID: S3160-13 Client ID: SB-404-6

Date Collected: 6/14/2004 Date Received: 6/19/2004
Date Analyzed: 6/26/2004 Matrix: SOIL
Date Extracted: 6/23/2004 File ID: BB016551.D
Dilution: 1 Instrument ID: BNAB
Analytical Method: 8270 Analytical Run ID: BB061604
Sample Wt/Vol: 15.0 Extract Vol: 500
Injection Vol: 2 % Moisture: 17
Associated Blank: PB15710B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 8.7 UJ	U	400	8.7	ug/Kg
Acenaphthene	83-32-9	< 8.8 UJ	U	400	8.8	ug/Kg
Fluorene	86-73-7	< 11 UJ	U	400	11	ug/Kg
Phenanthrene	85-01-8	170 J	J	400	8.9	ug/Kg
Anthracene	120-12-7	43	J	400	9.5	ug/Kg
Fluoranthene	206-44-0	210	J	400	5.5	ug/Kg
Pyrene	129-00-0	200	J	400	7.1	ug/Kg
Benzo(a)anthracene	56-55-3	110	J	400	6.0	ug/Kg
Chrysene	218-01-9	120	J	400	13	ug/Kg
Benzo(b)fluoranthene	205-99-2	93	J	400	21	ug/Kg
Benzo(k)fluoranthene	207-08-9	59	J	400	14	ug/Kg
Benzo(a)pyrene	50-32-8	95	J	400	6.9	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	40	J	400	9.6	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 12 UJ	U	400	12	ug/Kg
Benzo(g,h,i)perylene	191-24-2	43 J	J	400	17	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	159.07	80 %	23 - 120		SPK: 200
2-Fluorobiphenyl	321-60-8	152.66	76 %	30 - 116		SPK: 200
Terphenyl-d14	1718-51-0	122.65	61 %	18 - 137		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	281362	5.72			
Naphthalene-d8	1146-65-2	1033292	7.99			
Acenaphthene-d10	15067-26-2	571236	11.42			
Phenanthrene-d10	1517-22-2	946161	14.42			
Chrysene-d12	1719-03-5	898563	19.82			
Perylene-d12	1520-96-3	651495	22.85			

SVOC

SDG No.: S3160

Client: Plumley Engineering, P.C.

Sample ID: S3160-19 Client ID: SB-473-6

Date Collected: 6/14/2004 Date Received: 6/19/2004
Date Analyzed: 6/26/2004 Matrix: SOIL
Date Extracted: 6/23/2004 File ID: BB016545.D
Dilution: 1 Instrument ID: BNAB
Analytical Method: 8270 Analytical Run ID: BB061604
Sample Wt/Vol: 15.1 Extract Vol: 500
Injection Vol: 2 % Moisture: 22
Associated Blank: PB15710B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 9.1 UJ	U	420	9.1	ug/Kg
Acenaphthene	83-32-9	460 J		420	9.3	ug/Kg
Fluorene	86-73-7	1300		420	12	ug/Kg
Phenanthrene	85-01-8	1900		420	9.4	ug/Kg
Anthracene	120-12-7	330	J	420	10	ug/Kg
Fluoranthene	206-44-0	140	J	420	5.8	ug/Kg
Pyrene	129-00-0	310	J	420	7.5	ug/Kg
Benzo(a)anthracene	56-55-3	< 6.3 UJ	U	420	6.3	ug/Kg
Chrysene	218-01-9	47 J	J	420	13	ug/Kg
Benzo(b)fluoranthene	205-99-2	< 22 UJ	U	420	22	ug/Kg
Benzo(k)fluoranthene	207-08-9	< 14	U	420	14	ug/Kg
Benzo(a)pyrene	50-32-8	< 7.2	U	420	7.2	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	< 10	U	420	10	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 12	U	420	12	ug/Kg
Benzo(g,h,i)perylene	191-24-2	< 18	U	420	18	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	268.5	134 %	23 - 120		SPK: 200
2-Fluorobiphenyl	321-60-8	121.27	61 %	30 - 116		SPK: 200
Terphenyl-d14	1718-51-0	100.33	50 %	18 - 137		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	274422	5.74			
Naphthalene-d8	1146-65-2	466862	8.04			
Acenaphthene-d10	15067-26-2	301625	11.53			
Phenanthrene-d10	1517-22-2	564158	14.50			
Chrysene-d12	1719-03-5	823481	19.85			
Perylene-d12	1520-96-3	654655	22.86			

SVOC

SDG No.: S3160

Client: Plumley Engineering, P.C.

Sample ID: S3160-22 Client ID: SB-483-6

Date Collected: 6/14/2004 Date Received: 6/19/2004
Date Analyzed: 6/26/2004 Matrix: SOIL
Date Extracted: 6/23/2004 File ID: BB016549.D
Dilution: 1 Instrument ID: BNAB
Analytical Method: 8270 Analytical Run ID: BB061604
Sample Wt/Vol: 15.0 Extract Vol: 500
Injection Vol: 2 % Moisture: 18
Associated Blank: PB15710B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 8.8 U J	U	400	8.8	ug/Kg
Acenaphthene	83-32-9	430 J		400	8.9	ug/Kg
Fluorene	86-73-7	730		400	11	ug/Kg
Phenanthrene	85-01-8	640		400	9.0	ug/Kg
Anthracene	120-12-7	190	J	400	9.6	ug/Kg
Fluoranthene	206-44-0	140	J	400	5.6	ug/Kg
Pyrene	129-00-0	220	J	400	7.2	ug/Kg
Benzo(a)anthracene	56-55-3	< 6.1 U J	U	400	6.1	ug/Kg
Chrysene	218-01-9	< 13	U	400	13	ug/Kg
Benzo(b)fluoranthene	205-99-2	< 21	U	400	21	ug/Kg
Benzo(k)fluoranthene	207-08-9	< 14	U	400	14	ug/Kg
Benzo(a)pyrene	50-32-8	< 6.9	U	400	6.9	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	< 9.7	U	400	9.7	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 12	U	400	12	ug/Kg
Benzo(g,h,i)perylene	191-24-2	< 18	U	400	18	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	299.47	150 %	23 - 120		SPK: 200
2-Fluorobiphenyl	321-60-8	205.34	103 %	30 - 116		SPK: 200
Terphenyl-d14	1718-51-0	111.44	56 %	18 - 137		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	243476	5.73			
Naphthalene-d8	1146-65-2	461030	8.02			
Acenaphthene-d10	15067-26-2	221574	11.51			
Phenanthrene-d10	1517-22-2	549322	14.50			
Chrysene-d12	1719-03-5	825533	19.84			
Perylene-d12	1520-96-3	625792	22.85			

PCB

SDG No.: S3160

Client: Plumley Engineering, P.C.

Sample ID: S3160-16 Client ID: SB-447-8

Date Collected: 6/14/2004
Date Analyzed: 6/27/2004
Date Extracted: 6/22/2004
Dilution: 1
Analytical Method: 8082
% Moisture: 14.0
Sample Wt/Vol: 15
Injection Vol: 1

Date Received: 6/19/2004
Matrix: SOIL
File ID: 4PC1626.D
Instrument ID: ECD4
Analytical Run ID: 4PC062404
Associated Blank: PB15698B
Extract Vol: 5000

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
AROCLOR 1016	12674-11-2	350 J	P	19	6.0	ug/Kg
AROCLOR 1221	11104-28-2	< 4.1	U	19	4.1	ug/Kg
AROCLOR 1232	11141-16-5	< 2.7	U	19	2.7	ug/Kg
AROCLOR 1242	53469-21-9	< 3.5	U	19	3.5	ug/Kg
AROCLOR 1248	12672-29-6	< 4.2	U	19	4.2	ug/Kg
AROCLOR 1254	11097-69-1	< 1.5	U	19	1.5	ug/Kg
AROCLOR 1260	11096-82-5	< 3.4	U	19	3.4	ug/Kg
SURROGATES						
Tetrachloro-m-xylene	877-09-8	24.13	121 %	50 - 132		SPK: 20
Decachlorobiphenyl	2051-24-3	19.4	97 %	58 - 125		SPK: 20

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. SDG No.: S3160 Method Type: SW846

Sample ID: S3160-19 Client ID: SB-473-6

Contract: Plumley Engineering, P.C. Lab Code: CHEMED Case No.: S3160 SAS No.: S3160

Matrix: SOIL Date Received: 6/19/2004 Level: LOW

% Solids: 78.1

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	4020	mg/Kg			P	0.805	P1	P106244
7440-36-0	Antimony	0.721	mg/Kg	U		P	0.721	P1	P106244
7440-38-2	Arsenic	2.470	mg/Kg			P	0.303	P1	P106244
7440-39-3	Barium	17.7	mg/Kg	J		P	0.028	P1	P106244
7440-41-7	Beryllium	0.342	mg/Kg	J		P	0.005	P1	P106244
7440-43-9	Cadmium	0.059	mg/Kg	U		P	0.059	P1	P106244
7440-70-2	Calcium	1390	mg/Kg	J	N	P	0.448	P1	P106244
7440-47-3	Chromium	5.530	mg/Kg			P	0.122	P1	P106244
7440-48-4	Cobalt	3.800	mg/Kg	J		P	0.101	P1	P106244
7440-50-8	Copper	14.4	mg/Kg			P	0.146	P1	P106244
7439-89-6	Iron	9370	mg/Kg			P	2.260	P1	P106244
7439-92-1	Lead	4.580	mg/Kg			P	0.132	P1	P106244
7439-95-4	Magnesium	1770	mg/Kg			P	0.020	P1	P106244
7439-96-5	Manganese	152	mg/Kg			P	1.030	P1	P106244
7439-97-6	Mercury	0.01	mg/Kg	J		CV	0.01	CV1	062504A
7440-02-0	Nickel	11.5	mg/Kg			P	0.193	P1	P106244
7440-09-7	Potassium	760	mg/Kg	J	N	P	4.210	P1	P106244
7782-49-2	Selenium	0.860	mg/Kg	J		P	0.401	P1	P106244
7440-22-4	Silver	0.181	mg/Kg	J		P	0.134	P1	P106244
7440-23-5	Sodium	47.6	mg/Kg	U		P	47.6	P1	P106244
7440-28-0	Thallium	0.423	mg/Kg	U		P	0.423	P1	P106244
7440-62-2	Vanadium	7.130	mg/Kg			P	0.131	P1	P106244
7440-66-6	Zinc	27.3	mg/Kg	J	N	P	0.072	P1	P106244

Volatiles
SW-846

SDG No.: S3161

Client: Plumley Engineering, P.C.

Sample ID:	S3161-06	Client ID:	SB-544-6
Date Collected:	6/15/2004	Date Received:	6/19/2004
Date Analyzed:	6/27/2004	Matrix:	SOIL
File ID:	VD062716.D	Analytical Run ID:	VD061004
Dilution:	5	Instrument ID:	MSVOAD
Analytical Method:	8260	Associated Blank:	VBD0627M2
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000
Soil Aliquot Vol:	100	% Moisture:	20

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 280 U J	U	3900	280	ug/Kg
Benzene	71-43-2	42000 J		3900	190	ug/Kg
Toluene	108-88-3	5800		3900	300	ug/Kg
Ethyl Benzene	100-41-4	70000		3900	320	ug/Kg
m&p-Xylenes	136777-61-2	81000		7800	750	ug/Kg
o-Xylene	95-47-6	3600	J	3900	290	ug/Kg
Isopropylbenzene	98-82-8	15000		3900	260	ug/Kg
n-propylbenzene	103-61-5	27000		3900	290	ug/Kg
1,3,5-Trimethylbenzene	108-67-8	93000		3900	290	ug/Kg
tert-Butylbenzene	98-06-6	< 280 UJ	U	3900	280	ug/Kg
1,2,4-Trimethylbenzene	95-63-6	210000 J	E	3900	290	ug/Kg
Sec-butylbenzene	135-98-8	8100		3900	330	ug/Kg
p-Isopropyltoluene	99-87-6	13000		3900	280	ug/Kg
n-Butylbenzene	104-51-8	28000		3900	370	ug/Kg
Naphthalene	91-20-3	48000		3900	370	ug/Kg
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	247.05	99 %	75 - 125		SPK: 50
Dibromofluoromethane	1868-53-7	242.25	97 %	75 - 125		SPK: 50
Toluene-d8	2037-26-5	268.1	107 %	75 - 125		SPK: 50
4-Bromofluorobenzene	460-00-4	419.1	168 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	251586	4.23			
1,4-Difluorobenzene	540-36-3	466786	4.94			
Chlorobenzene-d5	3114-55-4	410107	8.21			
1,4-Dichlorobenzene-d4	3855-82-1	203725	10.37			

SVOC

SDG No.: S3161-01

Client: Plumley Engineering, P.C.

Sample ID: S3161-09 Client ID: SB-584-6

Date Collected: 6/15/2004 Date Received: 6/19/2004
Date Analyzed: 7/2/2004 Matrix: SOIL
Date Extracted: 6/23/2004 File ID: BB016720.D
Dilution: 1 Instrument ID: BNAB
Analytical Method: 8270 Analytical Run ID: BB061604
Sample Wt/Vol: 15.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 14
Associated Blank: PB15734B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	3700 J		770	17	ug/Kg
Acenaphthene	83-32-9	< 17 U J	U	770	17	ug/Kg
Fluorene	86-73-7	3300 J		770	22	ug/Kg
Phenanthrene	85-01-8	4500		770	17	ug/Kg
Anthracene	120-12-7	900		770	18	ug/Kg
Fluoranthene	206-44-0	800		770	11	ug/Kg
Pyrene	129-00-0	1000		770	14	ug/Kg
Benzo(a)anthracene	56-55-3	340	J	770	12	ug/Kg
Chrysene	218-01-9	560	J	770	24	ug/Kg
Benzo(b)fluoranthene	205-99-2	270	J	770	41	ug/Kg
Benzo(k)fluoranthene	207-08-9	150	J	770	26	ug/Kg
Benzo(a)pyrene	50-32-8	240	J	770	13	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	< 19 U J	U	770	19	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 22 U J	U	770	22	ug/Kg
Benzo(g,h,i)perylene	191-24-2	87 J	J	770	33	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	327.25	164 %	23 - 120		SPK: 200
2-Fluorobiphenyl	321-60-8	75.66	38 %	30 - 116		SPK: 200
Terphenyl-d14	1718-51-0	64.27	32 %	18 - 137		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	237545	5.70			
Naphthalene-d8	1146-65-2	398196	8.03			
Acenaphthene-d10	15067-26-2	256496	11.53			
Phenanthrene-d10	1517-22-2	403599	14.47			
Chrysene-d12	1719-03-5	628535	19.79			
Perylene-d12	1520-96-3	360963	22.79			

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. SDG No.: S3161 Method Type: SW846

Sample ID: S3161-04 Client ID: SB-524-5

Contract: Plumley Engineering, P.C. Lab Code: CHEMED Case No.: S3161 SAS No.: S3161

Matrix: SOIL Date Received: 6/19/2004 Level: LOW

% Solids: 70.1

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	14400	mg/Kg			P	0.888	P1	P106244
7440-36-0	Antimony	0.795	mg/Kg	U	U J N	P	0.795	P1	P106244
7440-38-2	Arsenic	11.4	mg/Kg			P	0.335	P1	P106244
7440-39-3	Barium	124	mg/Kg			P	0.031	P1	P106244
7440-41-7	Beryllium	1.120	mg/Kg			P	0.006	P1	P106244
7440-43-9	Cadmium	0.598	mg/Kg	J		P	0.065	P1	P106244
7440-70-2	Calcium	5560	mg/Kg			P	0.494	P1	P106244
7440-47-3	Chromium	17.1	mg/Kg		J N	P	0.134	P1	P106244
7440-48-4	Cobalt	16.8	mg/Kg			P	0.112	P1	P106244
7440-50-8	Copper	35.3	mg/Kg			P	0.161	P1	P106244
7439-89-6	Iron	32100	mg/Kg			P	2.490	P1	P106244
7439-92-1	Lead	21.0	mg/Kg		J N	P	0.145	P1	P106244
7439-95-4	Magnesium	3840	mg/Kg			P	0.023	P1	P106244
7439-96-5	Manganese	1870	mg/Kg			P	1.130	P1	P106244
7439-97-6	Mercury	0.09	mg/Kg			CV	0.01	CV1	062504A
7440-02-0	Nickel	34.9	mg/Kg		J N	P	0.213	P1	P106244
7440-09-7	Potassium	3020	mg/Kg			P	4.650	P1	P106244
7782-49-2	Selenium	1.250	mg/Kg	J		P	0.442	P1	P106244
7440-22-4	Silver	0.148	mg/Kg	U		P	0.148	P1	P106244
7440-23-5	Sodium	52.5	mg/Kg	U		P	52.5	P1	P106244
7440-28-0	Thallium	0.466	mg/Kg	U		P	0.466	P1	P106244
7440-62-2	Vanadium	30.5	mg/Kg		J N	P	0.144	P1	P106244
7440-66-6	Zinc	87.8	mg/Kg			P	0.079	P1	P106244

Premier Environmental Services

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

SDG # 1

CHAIN OF CUSTODY RECORD

Page ___ of ___

53159

Project No.: 2003118	Client: City of Utica			# of Containers	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1 SB-1	6/10/2004	8:00	2'-4'	2		X		VOC (STARS), SVOC (STARS)
2 SB-4	6/10/2004	9:30	4'-5'	2		X		VOC (STARS), SVOC (STARS)
3 SB-3	6/10/2004	9:00	4'-6'	2		X		VOC (STARS), SVOC (STARS)
4 SB-5	6/10/2004	10:00	5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
5 SB-6	6/10/2004	10:30	5'-7'	2		X		VOC (STARS), SVOC (STARS)
6 SB-7	6/10/2004	11:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
7 SB-8	6/10/2004	11:30	6'-8'	2		X		VOC (STARS), SVOC (STARS)
8 SB-9	6/10/2004	12:00	7'-9'	2		X		VOC (STARS), SVOC (STARS)
9 SB-10	6/10/2004	13:00	7.5'-10'	2		X		VOC (STARS), SVOC (STARS)
10 SB-11	6/10/2004	13:30	3'-5'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: Print: FRANK KARBOSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print Sunny Patel	Date/Time: 6/19/04 9:00

Remarks:

RUN MS/MSD ON SAMPLE SB-2
Category A deliverables plus
electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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SDG #1

CHAIN OF CUSTODY RECORD

Page ___ of ___

	Project No.: 2003118		Client: City of Utica		# of Containers	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
11	SB-12	6/10/2004	14:00	7'-8'	2		X		VOC (STARS), SVOC (STARS)
12	SB-13	6/10/2004	14:00	6'-8'	2		X		VOC (STARS), SVOC (STARS)
13	SB-14	6/10/2004	14:20	4'-8'	2	X			VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
14,15	SB-14 MS/MSD	6/10/2004	14:20	4'-8'	2	X			VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
16	SB-16	6/10/2004	15:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
17	SB-17	6/10/2004	15:30	6'-8'	2		X		VOC (STARS), SVOC (STARS)
18	SB-18	6/10/2004	16:00	4'-8'	2	X			VOC (STARS), SVOC (STARS)

Relinquished by: Signature: Print: F. KARBOSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Sunny Patel Print Sunny Patel	Date/Time: 6/19/04 9:00

Remarks:

RUN MS/MSD ON SAMPLE SB-14
Category A deliverables plus
electronic deliverables

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Civil and Environmental Engineering

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(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___ SDG #1

Project No.: 2003118	Client: City of Utica			# of	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
19 SB-31	6/11/2004	13:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)
20 SB-32	6/11/2004	14:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
21 SB-33	6/11/2004	14:30	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
22 SB-34	6/11/2004	15:00	2.5-5.5	2	X			VOC (STARS), SVOC (STARS)
SB-36	6/11/2004	15:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)
7 Sample SB-36 is in ~~SDG 1~~ Project #1 S31								

Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by	Date/Time:
Signature: [signature]	6-18-04 4:00	Signature:		Signature	
Print: F. KARBOSKI		Print:		Print	
Received by:	**Date/Time:**	**Relinquished by**	**Date/Time:**	**Received by**	**Date/Time:**
Signature:		Signature		Signature Sunny. Peck	6/19/04 9:00
Print:		Print:		Print Sunny. Peck	

Remarks:

Category A deliverables plus electronic deliverables

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Civil and Environmental Engineering

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CHAIN OF CUSTODY RECORD

S3159.

Page ___ of ___

Project No.: 2003118	Client: City of Utica			# of Containers	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1 SB-1	6/10/2004	8:00	2'-4'	2		X		VOC (STARS), SVOC (STARS)
2 SB-4	6/10/2004	9:30	4'-5'	2		X		VOC (STARS), SVOC (STARS)
3 SB-3	6/10/2004	9:00	4'-6'	2		X		VOC (STARS), SVOC (STARS)
4 SB-5	6/10/2004	10:00	5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
5 SB-6	6/10/2004	10:30	5'-7'	2		X		VOC (STARS), SVOC (STARS)
6 SB-7	6/10/2004	11:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
7 SB-8	6/10/2004	11:30	6'-8'	2		X		VOC (STARS), SVOC (STARS)
8 SB-9	6/10/2004	12:00	7'-9'	2		X		VOC (STARS), SVOC (STARS)
9 SB-10	6/10/2004	13:00	7.5'-10'	2		X		VOC (STARS), SVOC (STARS)
10 SB-11	6/10/2004	13:30	3'-5'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: Print: FRANK KARBOSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Sunny Patel Print Sunny Patel	Date/Time: 6/19/04 9:00	

Remarks:

RUN MS/MSD ON SAMPLE SB-2
Category A deliverables plus
electronic deliverables

5

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Civil and Environmental Engineering

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(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___

S3159.

Project No.: 2003118		Client: City of Utica		# of	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
11 SB-12	6/10/2004	14:00	7'-8'	2		X		VOC (STARS), SVOC (STARS)
12 SB-13	6/10/2004	14:00	6'-8'	2		X		VOC (STARS), SVOC (STARS)
13 SB-14	6/10/2004	14:20	4'-8'	2	X			VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
14,15 SB-14 MS/MSD	6/10/2004	14:20	4'-8'	2	X			VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
16 SB-16	6/10/2004	15:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
17 SB-17	6/10/2004	15:30	6'-8'	2		X		VOC (STARS), SVOC (STARS)
18 SB-18	6/10/2004	16:00	4'-8'	2	X			VOC (STARS), SVOC (STARS)

Relinquished by: Signature: Print: F. KARBOSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Sunny Patel Print Sunny Patel	Date/Time: 6/19/04 9:00

Remarks:

RUN MS/MSD ON SAMPLE SB-14
Category A deliverables plus
electronic deliverables

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(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___

S3159

Project No.: 2003118	Client: City of Utica			# of	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
19 SB-31	6/11/2004	13:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)
20 SB-32	6/11/2004	14:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
21 SB-33	6/11/2004	14:30	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
22 SB-34	6/11/2004	15:00	2.5-5.5	2	X			VOC (STARS), SVOC (STARS)
SB-36	6/11/2004	15:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. KARBOSKI Print: F. KARBOSKI	Date/Time: 6.18.04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Sunny Parker Print Sunny Parker	Date/Time: 6/19/04 9:00

Remarks: Samples SB-36 IS in SDG # S3160
Category A deliverables plus electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

S3160

Page ___ of ___

	Project No.: 2003118	Client: City of Utica		# of	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
1	SB-19	6/11/2004	7:20	5'-7'	2		X		VOC (STARS), SVOC (STARS)
2	SB-20	6/11/2004	7:40	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
3	SB-22	6/11/2004	8:30	5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
4	SB-23	6/11/2004	9:00	10'-11'	2		X		VOC (STARS), SVOC (STARS)
5	SB-24	6/11/2004	9:30	5.5'-6.5'	2		X		VOC (STARS), SVOC (STARS), PCBs
6	SB-25	6/11/2004	10:00	6.5'-7.5'	2		X		VOC (STARS), SVOC (STARS)
7	SB-27	6/11/2004	11:00	6'-7'	2		X		VOC (STARS), SVOC (STARS)
8	SB-28	6/11/2004	11:30	5.5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
9	SB-29	6/11/2004	12:00	2'-4'	2		X		VOC (STARS), SVOC (STARS)
10	SB-30	6/11/2004	13:00	6'-8'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. Karbski Print: F. KARBOSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Print Kaulert	Date/Time: 6/19/04 9:00

Remarks:

Category A deliverables plus electronic deliverables

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Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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5

SDG #2

CHAIN OF CUSTODY RECORD

S3160

Page ___ of ___

Project No.: 2003118	Client: City of Utica			# of Containers	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1 SB-19	6/11/2004	7:20	5'-7'	2		X		VOC (STARS), SVOC (STARS)
2 SB-20	6/11/2004	7:40	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
3 SB-22	6/11/2004	8:30	5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
4 SB-23	6/11/2004	9:00	10'-11'	2		X		VOC (STARS), SVOC (STARS)
5 SB-24	6/11/2004	9:30	5.5'-6.5'	2		X		VOC (STARS), SVOC (STARS), PCBs
6 SB-25	6/11/2004	10:00	6.5'-7.5'	2		X		VOC (STARS), SVOC (STARS)
7 SB-27	6/11/2004	11:00	6'-7'	2		X		VOC (STARS), SVOC (STARS)
8 SB-28	6/11/2004	11:30	5.5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
9 SB-29	6/11/2004	12:00	2'-4'	2		X		VOC (STARS), SVOC (STARS)
10 SB-30	6/11/2004	13:00	6'-8'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. Karbosk Print: F. KARBOSKI	Date/Time: 6.18.04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

Category A deliverables plus electronic deliverables

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Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

SDG#2

CHAIN OF CUSTODY RECORD

Page ___ of ___

Project No.: 2003118		Client: City of Utica		# of Containers	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
SB-31	6/11/2004	13:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)
SB-32	6/11/2004	14:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
SB-33	6/11/2004	14:30	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
SB-34	6/11/2004	15:00	2.5-5.5	2	X			VOC (STARS), SVOC (STARS)
SB-36	6/11/2004	15:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)

Samples SB-31 To SB-34 is in SDG Project # S31

Relinquished by: Signature: [signature] Print: F. KARBUSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Sunny [signature] Print Sunny [signature]	Date/Time: 6/19/04 9:00

Remarks:

Category A deliverables plus electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

CHAIN OF CUSTODY RECORD

S3160

Page ___ of ___

Project No.: 2003118	Client: City of Utica			# of Containers	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
SB-31	6/11/2004	13:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)
SB-32	6/11/2004	14:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
SB-33	6/11/2004	14:30	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
SB-34	6/11/2004	15:00	2.5-5.5	2	X			VOC (STARS), SVOC (STARS)
SB-36	6/11/2004	15:30	6'-7'	2		X		VOC (STARS), SVOC (STARS)

Date 6/19/04

Signature

Copy

Ordinal Documents are Included in CSF S3159

Relinquished by: Signature: Print: F. KARBUSKI	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Sunny Peaks Print Sunny Peaks	Date/Time: 6/19/04 9:00

Remarks: Sample SB-31 TO SB-34 IS in Project # S3159.
Category A deliverables plus electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

CHAIN OF CUSTODY RECORD

Page ___ of ___

93160

Project No.: 2003118	Client: City of Utica			# of	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
12 SB-39	6/14/2004	12:25	1.5'-2.5'	2		X		VOC (STARS), SVOC (STARS)
13 SB-40	6/14/2004	12:45	4'-6'	2		X		VOC (STARS), SVOC (STARS)
14 SB-41	6/14/2004	13:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
15 SB-42	6/14/2004	13:25	2'-3'	2		X		VOC (STARS), SVOC (STARS)
16 SB-44	6/14/2004	13:40	7'-8'	2		X		VOC (STARS), SVOC (STARS), PCBs
17 SB-45	6/14/2004	14:40	6'-7'	2		X		VOC (STARS), SVOC (STARS)
18 SB-46	6/14/2004	15:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
19,20,21 SB-47	6/14/2004	15:20	3'-6'	2		X		VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
22 SB-48	6/14/2004	15:45	3'-6'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. Karboski Print: F. KARBOSKI	Date/Time: 6-18-04 4:00 PM	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:		
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Print	Date/Time: 6/19/04 9:00		

Remarks:

RUN MS/MSD ON SAM-PLE SB-47
Category A deliverables plus
electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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SDG #2

CHAIN OF CUSTODY RECORD

Page ___ of ___

Project No.: 2003118	Client: City of Utica			# of	Site: Matt Petroleum			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
12 SB-39	6/14/2004	12:25	1.5'-2.5'	2		X		VOC (STARS), SVOC (STARS)
13 SB-40	6/14/2004	12:45	4'-6'	2		X		VOC (STARS), SVOC (STARS)
14 SB-41	6/14/2004	13:00	4.5'-5.5'	2		X		VOC (STARS), SVOC (STARS)
15 SB-42	6/14/2004	13:25	2'-3'	2		X		VOC (STARS), SVOC (STARS)
16 SB-44	6/14/2004	13:40	7'-8'	2		X		VOC (STARS), SVOC (STARS), PCBs
17 SB-45	6/14/2004	14:40	6'-7'	2		X		VOC (STARS), SVOC (STARS)
18 SB-46	6/14/2004	15:00	5'-7'	2		X		VOC (STARS), SVOC (STARS)
19,20,21 SB-47	6/14/2004	15:20	3'-6'	2		X		VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
22 SB-48	6/14/2004	15:45	3'-6'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. Karbowski Print: F. KARBOWSKI	Date/Time: 6-18-04 4:00 PM	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

RUN MS/MSD ON SAM-PLE SB-47
Category A deliverables plus
electronic deliverables

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Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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SDG #3

CHAIN OF CUSTODY RECORD

Page ___ of ___

S3161

Project No.: 2003118	Client: City of Utica			# of Containers	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1	SB-49	6/15/2004	8:10	5'-6'	2		X		VOC (STARS), SVOC (STARS)
2	SB-50	6/15/2004	8:30	4'-5'	2		X		VOC (STARS), SVOC (STARS)
3	SB-51	6/15/2004	9:05	8'-9'	2		X		VOC (STARS), SVOC (STARS)
4	SB-52	6/15/2004	9:20	4'-5'	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
5	SB-53	6/15/2004	9:30	4'-6'	2		X		VOC (STARS), SVOC (STARS)
6	SB-54	6/15/2004	10:00	4'-6'	2		X		VOC (STARS), SVOC (STARS)
7	SB-56	6/15/2004	10:15	5'-6'	2		X		VOC (STARS), SVOC (STARS)
8	SB-57	6/15/2004	10:25	3'-4'	2		X		VOC (STARS), SVOC (STARS)
9	SB-58	6/15/2004	10:50	4'-6'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: F. Kurbosky Print: F. Kurbosky	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

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Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___

	Project No.: 2003118		Client: City of Utica		# of	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
10	FB-1	6/10/2004	10:00	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
11	FB-2	6/14/2004	12:30	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
12	FB-3	6/11/2004	11:00	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
13	trip blank	--	--	trip blank sent by lab with bottles	2 (1 per cooler)		X		VOC (STARS)
14	SB-38	6/11/04	—	4.5-5.5	2				VOC, SVOC

Relinquished by: Signature: F. KARBOSKI Print:	Date/Time: 6-18-04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:	

Remarks:

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Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___

S3161

	Project No.: 2003118		Client: City of Utica		# of Containers	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1	SB-49	6/15/2004	8:10	5'-6'	2		X		VOC (STARS), SVOC (STARS)
2	SB-50	6/15/2004	8:30	4'-5'	2		X		VOC (STARS), SVOC (STARS)
3	SB-51	6/15/2004	9:05	8'-9'	2		X		VOC (STARS), SVOC (STARS)
4	SB-52	6/15/2004	9:20	4'-5'	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
5	SB-53	6/15/2004	9:30	4'-6'	2		X		VOC (STARS), SVOC (STARS)
6	SB-54	6/15/2004	10:00	4'-6'	2		X		VOC (STARS), SVOC (STARS)
7	SB-56	6/15/2004	10:15	5'-6'	2		X		VOC (STARS), SVOC (STARS)
8	SB-57	6/15/2004	10:25	3'-4'	2		X		VOC (STARS), SVOC (STARS)
9	SB-58	6/15/2004	10:50	4'-6'	2		X		VOC (STARS), SVOC (STARS)

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Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Print	Date/Time: 6/19/04 9:00

Remarks:

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PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

6232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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CHAIN OF CUSTODY RECORD

Page ___ of ___

93161

	Project No.: 2003118	Client: City of Utica		# of Containers	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
10	FB-1	6/10/2004	10:00	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
11	FB-2	6/14/2004	12:30	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
12	FB-3	6/11/2004	11:00	field blank (one 1L amber and one 40mL VOA)	2		X		VOC (STARS), SVOC (STARS), TAL metals (ICP) plus cyanide and mercury
13	trip blank	--	--	trip blank sent by lab with bottles	2 (1 per cooler)		X		VOC (STARS)
14									

Relinquished by: Signature: F. KARBOSKI Print: F. KARBOSKI	Date/Time: 6.18.04 4:00	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Print Kamlesh.	Date/Time: 6/19/04 9:00	

Remarks:

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Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

Premier Environmental Services

DATA VALIDATION REPORT
OF THE
MATT PETROLEUM SITE
CITY OF UTICA

ORGANIC AND INORGANIC ANALYSES
OF NON AQUEOUS SAMPLES

CHEMTECH CONSULTING GROUP
MOUNTAINSIDE, NEW JERSEY

CATEGORY "B" REPORT NUMBER: S3163

October, 2004

Prepared for
Plumley Engineering, P.C.
Baldwinsville, New York

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

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's) Semivolatile Organic Compounds (SVOA's), Polychlorinated Biphenyls (PCB's)**
SITE:	**Matt Petroleum Terminal**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
PROJECT NO.:	**S3163**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**October, 2004**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6- CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). 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.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report. Copies of correspondence between this data validator and the laboratory are located in Appendix D of this report.

This data assessment is for six (6) non-aqueous samples listed on the COC documents. Samples were collected June 10, 2004, June 11, 2004, June 14, 2004 and June 15, 2004. The samples were delivered to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on June 19, 2004 for the analyses requested on the COC documentation. All of the soil samples were analyzed for Volatile Organic Analytes (VOA) and Semivolatile Organic Analytes (SVOA). One of the soil samples was also analyzed for Polychlorinated Biphenyl's (PCB's). In addition, one soil sample was analyzed for TAL Metals and Total Cyanide. The data validation/review of the inorganic analytes is provided in the Inorganic Data Validation Report.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes and PCB's as noted by the COC documentation that accompanied the sample set. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDC ASP methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of the NYS DEC ASP (12/95) will supersede CLP requirements in terms of calibration (where applicable) and holding time. Chemtech Consulting Group generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report S3163 consists of six (6) soil samples. The samples were analyzed for both Volatile Organic Analyses and Semivolatile Organic Analyses. One (1) of the soil samples (SB-2) was also prepared and analyzed for Polychlorinated Biphenyl's (PCB's).

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. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days. This holding time is also applicable to soil samples analyzed for Pesticides, PCB's and Herbicides.

Volatile Organic Analyses (EPA Method 8260B) - The samples in laboratory report S3163 were collected June 10-15, 2004. The samples were received at the laboratory on June 19, 2004. All sample analyses associated with this data set were analyzed on June 23, 2004. All samples were analyzed within the method holding time.

Semivolatile Organic Analyses (EPA Method 8270C) - The samples in laboratory report S3163 were collected June 10-15, 2004. The samples were received at the laboratory on June 19, 2004. The soil samples were extracted on June 26, 2004. All sample analyses associated with this data set were analyzed by July 1, 2004. All samples were analyzed within the method holding time.

PCB Analyses – One (1) soil sample was reported with Laboratory Report S3163. Sample SB-2 was collected on June 10, 2004. The sample was received at the laboratory on June 19, 2004. Sample SB-2 was extracted on June 23, 2004. Sample SB-2 was prepared/extracted and analyzed within the method holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol, Nitrobenzene-d5, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic Analyses. The laboratory utilized in-house QC limits for the Semivolatile Organic analyses. All sample surrogate recoveries were summarized as required by the deliverable.

The surrogates Tetrachloro-m-xylene (TCX) and Dechachlorobiphenyl (DCB) were added to all the samples prior to the extraction and analysis for PCB's via EPA Method 8082. Chemtech Consulting Group utilized the in-house advisory limits for review purposes.

Volatile Organic Analyses (EPA Method 8260B) – The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries met QC criteria in all method blank samples associated with this data set. The surrogate recoveries associated with the field samples in this data set met QC criteria.

Semivolatile Organic Analyses (EPA Method 8270C) - The surrogate recoveries of the soil samples in Laboratory Report S3163 met QC criteria for all samples with the exception of sample SB-15(6-8). All three (3) base neutral surrogates exceeded QC criteria in this sample SB-15(6-8). The sample was initially analyzed and the laboratory noted that a reanalysis was necessary. The laboratory reported the sample results from a 1:10 dilution analysis. The raw data from both sample analyses were not included in the data report. The sample results have been qualified "UJ/J" estimated.

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

PCB Analyses - The surrogates Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) were added to the soil sample prior to sample extraction. The laboratory reported surrogate recovery from one column on the summary forms. The surrogate recovery of each surrogate met QC criteria in sample SB-2(5-6) and SB-2(5-6) MSD. The surrogate recovery of TCX and DCB exceeded QC criteria in sample SB-2(5-6) MS. The recovery of each surrogate was higher than the advisory limits listed on the summary form. No action was taken based on this anomaly.

ORGANIC DATA ASSESSMENT

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 and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Volatile Organic Analyses (EPA Method 8260B) – The MS/MSD analysis from Laboratory Report S3163 was performed on sample SB-2 (5-6). The laboratory summary report forms reported the target analytes Benzene and Toluene. The laboratory fortified the MS and MSD sample using a full component spike solution. Chemtech Consulting used a "CLP Like" QC summary form to report the MS/MSD sample results. The laboratory reported Benzene and Toluene on this form. The percent recovery and %RPD met QC criteria for these target analytes.

The laboratory prepared and analyzed a blank matrix spike sample with each sample batch associated with this data set. The laboratory fortified the Blank Spike using a full component spike solution. Chemtech Consulting used a "CLP Like" QC summary form to report the Blank Spike data results. The laboratory reported Benzene and Toluene on this form. The percent recovery for these target analytes met QC criteria in this blank matrix spike sample.

Semivolatile Organic Analyses (EPA Method 8270C) – The MS/MSD analysis from Laboratory Report S3163 was performed on soil sample SB-2(5-6). The laboratory summary report forms reported the STARS List of target analytes. The laboratory fortified the MS and MSD sample using a full component spike solution. Chemtech Consulting used a "CLP Like" QC summary form to report the MS/MSD sample results. The percent recovery was met for all target analytes with the exception of Fluoranthene, Benzo (a)Anthracene, Benzo(b)Fluoranthene and Benzo(a)pyrene in the MS sample. All %RPD met QC criteria for these target analytes with the exception of Fluoranthene and Pyrene. No action was taken based on the results of the MS and MSD sample set.

Chemtech Consulting prepared and analyzed a matrix spike blank sample with the batch of samples. The recovery of the spiked analytes met QC criteria in the reference sample for all target analytes.

PCB Analyses - The laboratory performed MS/MSD sample analysis on sample SB-2(5-6). The sample was spiked with Aroclor 1016 and 1260. The recovery of Aroclor 1016 and Aroclor 1260 exceeded QC limits in the MS sample. The percent recovery of Aroclor 1260 exceeded QC criteria in the MSD sample. The RPD exceeded QC criteria for both Aroclor 1016 and Aroclor 1260. No action was taken based on this QC outlier.

The laboratory prepared and analyzed a blank matrix spike sample with the sample batch. The recovery of each Aroclor met QC criteria in the blank spike samples associated with this data set.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260B) – One (1) method blank is associated with the samples reported in Laboratory Report S3163. The method blank was free from contamination of all target analytes.

Semivolatile Organic Analyses (EPA Method 8270C) – One (1) method blank sample is associated with the soil samples in Laboratory Report S3163. This method blank was free from contamination of all target analytes.

PCB Analyses – One (1) method blank sample is associated with the sample in this data set. It was free from contamination.

B) Field or Equipment Rinse Blank (ERB) contamination

Volatile Organic Analyses – A Field Blank sample is not associated with Laboratory Report S3163.

Semivolatile Organic Analyses – A Field Blank sample is not associated with Laboratory Report S3163.

PCB Analyses – A Field Blank sample is not associated with Laboratory Report S3163.

C) Trip Blank contamination

A Trip Blank sample is not associated with Laboratory Report S3163.

6. 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. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, 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. Region II 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). Region II 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 Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – One (1) initial calibration curve is associated with the samples reported in Laboratory Report S3163. The laboratory performed an initial multilevel calibration on June 23, 2004 (Inst. K). The laboratory summarized the RRF data on the CLP Form 6A. The wrong File ID's were associated with the wrong concentrations on the summary form. The laboratory was contacted to review this reporting issue. A copy of the correspondence associated with this issue as well as the laboratory response is located in Appendix D of this report. The laboratory included all raw data and instrument summary forms in the data report for review. The RRF of all target compounds met QC criteria in this initial calibration curve analysis.

Semivolatile Organic Analyses (EPA Method 8270C) – Two (2) initial calibration curves are associated with Laboratory Report S3163. The initial calibration curves were analyzed on June 19, 2004 (Inst. E) and June 29, 2004 (Inst. E). The RRF of all compounds met QC criteria in each of the initial calibration curve analyses.

Four (4) continuing calibration standard analyses are associated with the initial calibration curves analyzed on Instrument "E". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

6. 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 and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – One (1) initial calibration curve analysis is associated with the samples reported in Laboratory Report S3163. %RSD criteria in the initial calibration curve analyzed June 23, 2004 (Inst. K) met QC criteria for all target analytes.

Semivolatile Organic Analyses (EPA Method 8270C)– Two (2) initial calibration curves are associated with Laboratory Report S3163. The initial calibration curves were performed on June 19, 2004 (Inst. E) and June 29, 2004 (Inst. E). The %RSD of all target analytes met QC criteria in the initial calibration analyzed June 19, 2004 (Inst. E). All %RSD criteria were met in the initial calibration curve analyzed June 29, 2004 (Inst. E).

Four (4) continuing calibration standard analysis are associated with the initial calibration analysis on Instrument "E". The % Difference of all target analytes met QC criteria in each of the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
BE011903	6/24/04	Benzo(k)fluoranthene	36.0
BE011921	6/25/04	Acenaphthene	28.3
		Fluorene	50.4
		Pyrene	29.1
		Benzo(b)fluoranthene	60.9
		Dibenz(a,h)anthracene	39.6
		Benzo(g,h,i)pyrelene	28.0

The soil samples in this data set were analyzed with continuing calibration standards in which all QC criteria were met, therefore, no actions were taken.

ORGANIC DATA ASSESSMENT

7. GC CALIBRATION

GC Calibration of the Pesticide, PCB and TCLP Pesticide analytes was performed in accordance with the USEPA SW846 method. All analyses are performed using a single injection with a splitter and dual column (RTx-50/RTx-1701) analysis. This includes the analysis of a five-point calibration curve for each of the pesticides, Aroclor 1260 and Aroclor 1016. The analyte calibration factors and retention time windows are established. Multi-peak analytes are calibrated by the analysis of a single point of each. The %RSD of each analyte/peak must be less than 20% in the initial calibration curve analysis. Continuing calibration is performed after each ten (10) field samples. %Difference is calculated. Review of calibration was performed. Data qualifiers were applied when QC criteria was not met. Instrument and calibration criteria are then summarized on the USEPA CLP forms that were included in the data report for review.

PCB Analyses – One (1) initial calibration sequence is associated with the soil sample in laboratory report S3163. The initial calibration analyzed on Instrument ECD-4 was analyzed on July 1, 2003. Retention time windows and calibration factors were reported for each of the columns (RTx5/RTx1701) on instrument ECD4. The RSD (%) of each peak in Aroclor 1016 and 1260 met QC criteria. A single point of each of the other Aroclors was analyzed prior to sample analysis.

Two (2) continuing calibration analyses bracketed each of the samples in this data set. Percent Difference of the standard was calculated for each peak (Aroclor 1016 and 1260). All %Difference criteria were met in each of the continuing calibration standards associated with this data set.

8. 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 $\pm$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 area count evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260B) - All samples were spiked with the internal standards Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis. The area counts and retention time of each internal standard met QC criteria in all initial field and QC sample analyses associated with this data set.

Semivolatile Organic Analyses (EPA Method 8270C) - All samples were spiked with the internal standards 1,4-Diclorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 prior to sample analysis. The area counts and retention time shift of each internal standard in all samples associated with the soil data set were reported. All Internal Standard criteria in the soil samples in this data set met QC criteria.

ORGANIC DATA ASSESSMENT

9. 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/Semivolatile Organic analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

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 (EPA Method 8260B) – Sample S3163 consisted of six (6) soil samples that were analyzed via Method 8260B. All of the soil samples in this data set reported the STARS List of VOA analytes. Each of the sample chromatograms exhibited a "hump" as well as unidentified peaks towards the end of the analytical run. All QC criteria associated with each of these samples met QC criteria, therefore, the laboratory did not take any further action. All soil sample results are reported without dilution. The data reported was reported correctly. Soil sample results are reported on a dry weight basis.

Semivolatile Organic Analyses (SW846 Method 8270C) – Six (6) soil samples are reported in Laboratory Report S3163. The soil samples were analyzed via Method 8270C. All of the soil samples in this data set reported the STARS List of SVOA analytes. Each sample was prepared and analyzed without dilution and reported to the method detection limit except where noted below.

Sample SB-2(5-6) was analyzed and reported without dilution. The sample chromatogram exhibited a hump. All target analytes were reported with the "J" qualifier by the laboratory to indicate target analyte results between the method detection limit and the reporting limit.

Sample SB15(6-8) was analyzed using a 1:10 dilution factor due to the concentration of target analytes detected in this soil sample. The chromatogram exhibited a large "hump" that may be indicative of matrix interference.

Sample SB-21(5-6.5) was analyzed and reported without dilution. The sample chromatogram exhibited a hump. Target analytes were detected in this soil sample. A number of target analytes were reported with the "J" qualifier by the laboratory to indicate target analyte results between the method detection limit and the reporting limit.

Sample SB43(5-6) was analyzed using a 1:10 dilution factor due to the concentration of target analytes detected in this soil sample. The chromatogram exhibited a large "hump" that may be indicative of matrix interference.

10. COMPOUND IDENTIFICATION (cont'd):

Sample SB-55(4-6) was analyzed and reported without dilution. The sample chromatogram exhibited a hump. Target analytes were detected in this soil sample. A number of target analytes were reported with the "J" qualifier by the laboratory to indicate target analyte results between the method detection limit and the reporting limit.

PCB Analyses – One (1) soil sample was prepared and analyzed in Laboratory Report S3163. This sample was analyzed without dilution. The sample Chromatograms on both of the columns indicated matrix interference in the form of a hump as well as unidentified peaks throughout the run. The soil sample in this data set was reported via Gas Chromatography with dual column analysis to confirm the presence of any detected analyte. Raw data from both columns was provided for review with the report.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in the validation report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Any questions regarding deliverables or results have been addressed with the laboratory and a response was received. Copies of this correspondence are located in Appendix D of this report.

All sample results are reported to the method detection limit. Reporting limits and positive results are adjusted based on the sample volume utilized for each extraction procedure. All data provided for this data set is acceptable for use, with noted data qualifiers.

The Volatile Organic sample data and the Polychlorinated Biphenyl (PCB) sample data associated with Laboratory Report S3163 was acceptable for use without data qualification. All of the soil sample semivolatile organic sample chromatograms exhibited matrix interference in the form of a "hump". Data results have been qualified when QC criteria were not met in the samples. When all QC criteria were met, data was not qualified. The qualified data result pages are located in Appendix B of this report. Correspondence between this validator and the laboratory is located in Appendix D of this report.

DATA VALIDATION FOR:	**Total TAL Metals, Total Cyanide**
SITE:	**Matt Petroleum Terminal Site**
CONTRACT LAB:	**Chemtech Consulting Group Mountainside, NJ**
REPORT NO.:	**S3163**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**October, 2004**
MATRIX:	**Aqueous and Non Aqueous**

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. In addition method QA/QC and procedures were used to evaluate this data. All data are considered valid and acceptable except those analytes which have been rejected "R" (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. A full list of qualifier definitions that may be used in this report is located in Appendix A of this report. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross-reference between the Field Sample ID and Laboratory Sample ID associated with this data set. The definitions of the qualifiers used in this data report are summarized in Appendix A. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report. Any correspondence between this validator and the laboratory is located in Appendix D of this report.

This data assessment is for a total of six (6) soil samples. The samples were collected on June 10, 2004, June 11, 2004, June 14, 2004 and June 15, 2004. The soil samples were delivered to Chemtech Consulting Group. Samples were received at the laboratory on June 19, 2004. These soil samples were to be analyzed for a number of organic analytes. The results of the organic data review/validation are located in the Organic Data Validation report.

INORGANIC DATA ASSESSMENT

1. OVERVIEW

Analyses were performed using the appropriate SW846 Methods cited in the testing requirements of this work plan. Data validation will utilize the validation guidelines in the above documents, however, QA/QC requirements of SW846 Methods will supersede CLP requirements in terms of holding time. A summary of the applicable QC will be discussed at each section of the report.

Laboratory Report S3163 consists of the analysis of one (1) soil sample that was analyzed for both Total TAL Metals and Total Cyanide.

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. The NYS DEC ASP holding time criteria is from Verified Time of Sample Receipt (VTSR). The holding times cited for aqueous samples are used for non-aqueous samples. Preservation for all non-aqueous samples is limited to cooling 4 degrees C.

The ICP Metal holding time is 6 months for soil samples. Mercury is to be analyzed within 26 days of VTSR. Total Cyanide sample analyses are to be completed within 26 days of VTSR.

The samples associated with Laboratory Report S3163 were collected on June 10-15, 2004. The samples were received at the laboratory on June 19, 2004. The samples were received in good condition. The samples were prepared for ICP Metals on June 24, 2004. The sample digestates were analyzed in an analytical sequence on June 24, 2004. The samples were prepared for Mercury analysis on June 23, 2004. The sample digestates were analyzed on June 25, 2004. Soil sample SB-2 was distilled to Total Cyanide analysis on June 22, 2004 and analyzed on June 23, 2004. All sample prep and analyses associated with this data set were completed within the method holding time.

INORGANIC DATA ASSESSMENT

3. CALIBRATION

Samples associated with this data set were analyzed using Inductively Coupled Plasma (ICP) methodology. The ICP is to be calibrated daily prior to use. A blank and at least one standard is analyzed to establish the calibration curve. The instrumental calibration near the Contract Required Detection Limit (CRDL) must be verified for each analyte. The recovery of the CRDL standard must be +/-20% of the true value.

Initial and continuing calibration verification (ICV/CCV) standards are analyzed at the beginning and after each ten field samples. The recovery must meet control limits of +/-10% of the True Value. Initial and continuing calibration blank (ICB/CCB) samples are also analyzed to insure that there is not contamination within the ICP system.

Chemtech Consulting calibrated the ICP in accordance with the manufacturer's guidelines. The soil sample in Laboratory Report S3163 was analyzed on June 24, 2004. All ICV and CCV standards met QC criteria in this analytical sequence. All ICB and CCB samples met QC criteria.

Two (2) CRDL standards were analyzed within this analytical sequence. The recovery of each analyte met QC criteria in the CRI standards associated with this data set with the exception of Chromium (124.2%, 122.1%). Chromium was detected in the soil sample and has been qualified "J" estimated.

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

Analysis for Cold Vapor Mercury is calibrated using multi point standards and calculating the correlation coefficient of the curve. The correlation coefficient must be greater than 0.995. One of the calibrations standards must be analyzed at the CRDL. The initial calibration of each of these analyses met QC criteria. Continuing calibration standard analysis was performed using a mid point standard and calculating the concentration of the standard in terms of recovery from the initial calibration curve. All continuing calibration analyses associated with this data set met QC criteria.

The soil sample in Laboratory Report S3163 was analyzed on June 25, 2004. All calibration criteria were met for the soil sample analysis.

Analysis for Total Cyanide is calibrated using multi point standards and calculating the correlation coefficient of the curve. The correlation coefficient must be greater than 0.995. One of the calibrations standards must be analyzed at the CRDL. The initial calibration of each of these analyses met QC criteria. Continuing calibration standard analysis was performed using a mid point standard and calculating the concentration of the standard in terms of recovery from the initial calibration curve. All continuing calibration analyses associated with this data set met QC criteria.

The soil sample in Laboratory Report S3163 was analyzed on June 23, 2004. All calibration criteria were met for the sample analyses.

4. INTERFERENCE CHECK SAMPLE ANALYSIS (ICS) – ICP Analyses

The Interference Check Sample (ICS) is used to verify the laboratories interelement and background correction factors used for the analyses reported. The ICS is analyzed at both the start and end (or a minimum of one time per eight hours) of each analytical sequence.

The raw data indicated that an ICSA and ICSB standard were analyzed at the start of the analytical sequence. The results of the ICSA and ICSAB sample met QC criteria for all analytes.

INORGANIC DATA ASSESSMENT

5. MATRIX SPIKE ANALYSES

Matrix Spike data is generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS data may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the EPA recovery range of 75%-125% of the True Value for reporting purposes.

Chemtech Consulting performed ICP and Mercury MS analysis on sample SB-2(5-6). The recovery of the spiked analytes met QC criteria with the exception of Potassium (67.5%/67.2%) and Silver (120.5%). Potassium and Silver samples results have been qualified "UJ/J" estimated in the sample associated with this data set.

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

Sample SB-2(5-6) was utilized for the matrix spike analysis for Total Cyanide. The percent recovery of the Cyanide spike met QC criteria.

6. 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 pre-digestion spike recovery falls outside the 75-125% control limit.

Chemtech Consulting performed post digestion spike analysis on sample SB-2(5-6). The recovery of Potassium in the post digestion spike sample exceeded QC criteria. The recovery of the post digestate spike analysis confirms the presence of matrix interference within this sample set.

7. DUPLICATE LABORATORY SAMPLE ANALYSIS

Duplicate sample analysis is used as an indicator of laboratory precision for each sample matrix. The duplicate analysis is used to assess precision of both sample preparation and sample analysis. A control limit of 35% is utilized for soil sample analyses.

TAL Metals – Chemtech Consulting Group prepared sample SB-2(5-6) in duplicate for all analytes associated with this data set. The Relative Percent Difference for all analytes met QC criteria in both the MS/MSD analysis and the sample/duplicate sample analysis.

Total Cyanide - Chemtech Consulting Group prepared sample SB-2(5-6) in duplicate for Total Cyanide analysis. The Relative Percent Difference between duplicate analyses met QC criteria.

8. LABORATORY CONTROL SAMPLE ANALYSIS

Chemtech Consulting prepared a Laboratory Control Sample with the sample batch for both the TAL Metals and Total Cyanide analyses. The LCS is used to determine if matrix interference in the matrix spike sample is due to the sample matrix or a contamination or interference added by the digestion process.

The soil LCS sample associated with this data set was analyzed for the TAL list of metal analytes. Recovery of each of the LCS analytes met QC criteria.

The soil LCS sample associated with this data set was analyzed for the Total Cyanide. Recovery of the LCS met QC criteria for Total Cyanide analyses.

INORGANIC DATA ASSESSMENT

9. BLANK CONTAMINATION

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank. The following analytes in the samples shown were qualified "U" for these reasons:

A) Method Blank contamination

TAL Metals - One (1) ICP and one (1) Mercury preparation blank are associated with this data set. Each of the prep blanks was free from contamination of target analytes above CRDL. Beryllium was detected in the method blank at a concentration between the method detection limit and the CRDL (0.128 J ug/kg). This analyte was also detected in sample SB-2(5-6) at a concentration of 0.379 J ug/kg. This target analyte has been negated in sample SB-2(5-6) and qualified "U" due to low level preparation blank contamination.

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

Total Cyanide – One blank is associated with this data set. It was free from contamination of Cyanide.

B) Field or Equipment Rinse Blank (ERB) contamination

A field blank sample is not associated with this data set.

C) Trip Blank (TB) contamination

A trip blank is not associated with this data set.

10. SERIAL DILUTION ANALYSES

ICP Serial dilution analysis is used to determine whether significant physical or chemical interferences exist due to sample matrix. Acceptable %Difference of the ICP Serial Dilution sample analysis are results which agree with a %Difference of less than 10%.

ICP serial dilution analysis was performed on sample SB-2(5-6). The results of the serial dilution analysis met QC criteria for all target analytes.

11. INSTRUMENT QC DATA

The laboratory is required by the method to perform specific instrument verification tests on a specific timeframe. Based on a review of the QC summary forms included in the data report, Chemtech Consulting Group performed the required studies specified by the method.

INORGANIC DATA ASSESSMENT

12. COMPOUND IDENTIFICATION

All samples were analyzed for the analytes listed on the COC documents in accordance with the cited method. The soil sample in Laboratory Report S3163 was reported and analyzed without dilution. Sample data was reported in the units ug/kg.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The data associated with this data set is acceptable for use with the noted data qualifiers. Data qualifiers have been applied to this data set based on the guidelines in the cited EPA documents. A description of the qualifiers and decision for them is detailed in the above report. All aqueous sample data was report with the units ug/kg. Soil sample results are reported on a dry weight basis.

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TABLE 1

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FIELD SAMPLE ID	LABORATORY ID
SB-2	S3163-01
SB-15	S3163-02
SB-21	S3163-03
SB-37	S3163-04
SB-43	S3163-05
SB-55	S3163-06

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APPENDIX A

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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/unusable. 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.

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APPENDIX B

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Chemtech Consulting Group

SVOC

SDG No.: S3163

Client: Plumley Engineering, P.C.

Sample ID: S3163-02 | Client ID: SB-156-8

Date Collected: 6/10/2004 | Date Received: 6/19/2004
Date Analyzed: 7/1/2004 | Matrix: SOIL
Date Extracted: 6/23/2004 | File ID: BE012038.D
Dilution: 10 | Instrument ID: BNAE
Analytical Method: 8270 | Analytical Run ID: BE062904
Sample Wt/Vol: 15.2 | Extract Vol: 500
Injection Vol: 2 | % Moisture: 19
Associated Blank: PB15706B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 88 UJ	U	4000	88	ug/Kg
Acenaphthene	83-32-9	6500 J		4000	89	ug/Kg
Fluorene	86-73-7	< 110 UJ	U	4000	110	ug/Kg
Phenanthrene	85-01-8	17000 J		4000	90	ug/Kg
Anthracene	120-12-7	7200		4000	96	ug/Kg
Fluoranthene	206-44-0	1000	J	4000	56	ug/Kg
Pyrene	129-00-0	1900	J	4000	72	ug/Kg
Benzo(a)anthracene	56-55-3	< 61 UJ	U	4000	61	ug/Kg
Chrysene	218-01-9	< 130	U	4000	130	ug/Kg
Benzo(b)fluoranthene	205-99-2	< 210	U	4000	210	ug/Kg
Benzo(k)fluoranthene	207-08-9	< 140	U	4000	140	ug/Kg
Benzo(a)pyrene	50-32-8	< 70	U	4000	70	ug/Kg
Indeno(1,2,3-cd)pyrene	193-39-5	< 98	U	4000	98	ug/Kg
Dibenz(a,h)anthracene	53-70-3	< 120	U	4000	120	ug/Kg
Benzo(g,h,i)perylene	191-24-2	< 180	U	4000	180	ug/Kg
SURROGATES						
Nitrobenzene-d5	4165-60-0	280.6	140 %	23 - 120		SPK: 20
2-Fluorobiphenyl	321-60-8	308.8	154 %	30 - 116		SPK: 20
Terphenyl-d14	1718-51-0	302.2	151 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	253689	3.56			
Naphthalene-d8	1146-65-2	873033	4.34			
Acenaphthene-d10	15067-26-2	527872	5.44			
Phenanthrene-d10	1517-22-2	890878	6.42			
Chrysene-d12	1719-03-5	807737	8.45			
Perylene-d12	1520-96-3	661608	10.11			

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3163 **Method Type:** SW846

Sample ID: S3163-01 **Client ID:** SB-25-6

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3163 **SAS No.:** S3163

Matrix: SOIL **Date Received:** 6/19/2004 **Level:** LOW

% Solids: 83.7

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	6140	mg/Kg			P	0.751	P1	P106244
7440-36-0	Antimony	0.673	mg/Kg	U		P	0.673	P1	P106244
7440-38-2	Arsenic	5.890	mg/Kg			P	0.283	P1	P106244
7440-39-3	Barium	55.7	mg/Kg			P	0.026	P1	P106244
7440-41-7	Beryllium	0.379 U	mg/Kg	✗ U		P	0.005	P1	P106244
7440-43-9	Cadmium	0.359	mg/Kg	J		P	0.055	P1	P106244
7440-70-2	Calcium	4990	mg/Kg			P	0.418	P1	P106244
7440-47-3	Chromium	8.240 J	mg/Kg			P	0.114	P1	P106244
7440-48-4	Cobalt	6.190	mg/Kg			P	0.094	P1	P106244
7440-50-8	Copper	19.3	mg/Kg			P	0.136	P1	P106244
7439-89-6	Iron	18000	mg/Kg			P	2.110	P1	P106244
7439-92-1	Lead	41.7	mg/Kg			P	0.123	P1	P106244
7439-95-4	Magnesium	2060	mg/Kg			P	0.019	P1	P106244
7439-96-5	Manganese	572	mg/Kg			P	0.958	P1	P106244
7439-97-6	Mercury	0.04	mg/Kg			CV	0.01	CV2	062504A
7440-02-0	Nickel	14.5	mg/Kg			P	0.180	P1	P106244
7440-09-7	Potassium	1380 J	mg/Kg		N	P	3.930	P1	P106244
7782-49-2	Selenium	1.350	mg/Kg			P	0.374	P1	P106244
7440-22-4	Silver	0.363 J	mg/Kg	J	N	P	0.125	P1	P106244
7440-23-5	Sodium	144	mg/Kg	J		P	44.4	P1	P106244
7440-28-0	Thallium	0.394	mg/Kg	U		P	0.394	P1	P106244
7440-62-2	Vanadium	15.7	mg/Kg			P	0.122	P1	P106244
7440-66-6	Zinc	49.6	mg/Kg			P	0.067	P1	P106244

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APPENDIX C

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CHAIN OF CUSTODY RECORD

Page ___ of ___

S3162

	Project No.: 2003118	Client: City of Utica		# of Containers	Site: Matt Petroleum			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1	SB-2	6/10/2004	8:30	5'-6'	2		X		VOC (STARS), SVOC (STARS), PCBs, TAL metals (ICP) plus cyanide and mercury
2	SB-15	6/10/2004	14:40	6'-8'	2		X		VOC (STARS), SVOC (STARS)
3	SB-21	6/11/2004	8:00	5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
4	SB-37	6/11/2004	16:00	5.5'-6.5'	2		X		VOC (STARS), SVOC (STARS)
5	SB-43	6/14/2004	13:35	5'-6'	2		X		VOC (STARS), SVOC (STARS)
6	SB-55	6/15/2004	10:00	4'-6'	2		X		VOC (STARS), SVOC (STARS)

Relinquished by: Signature: Print: F. KAABASKI	Date/Time: 6-16-04 4:04	Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time:	Received by Signature Print	Date/Time: 6/19/04 9:00

Remarks:

RUN MS/MSD ON SAMPLE SB-2
Category B deliverables plus electronic deliverables

PLUMLEY ENGINEERING, P.C.
Civil and Environmental Engineering
8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

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APPENDIX D

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Premier Environmental Services

October 1, 2004

Kurt Hummler
Chemtech Consulting Group
284 Sheffield Street
Mountainside, NJ 07092

Dear Mr. Hummler,

Premier Environmental Services is performing the data review for Plumley Engineering for samples collected at the Matt Petroleum Terminal Site. The samples were collected in June,2004. Below are questions associated with the cited data set. I have organized the questions for ease of review by either the project manager or QA Officer.

Project S3163 – Volatile Organic Analyses
During the review of this data package it was noted that the Form 6A (p. 46 of the data report lists the incorrect file ID's for the various calibration standards. The instrument printouts (p. 47-49) are correct. The instrument reports were used to verify the response factors and RSD's in the data report.

Please edit and resubmit if necessary.

Thank you in advance for your prompt response to these data issues. If there are any additional questions associated with this data set, please do not hesitate to contact me at 516-223-9761.

Sincerely,

Renee Cohen

Cc: Scott Zollo – Plumley Engineering

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

Premier Environmental Services

October 5, 2004

Kurt Hummler
Chemtech Consulting Group
284 Sheffield Street
Mountainside, NJ 07092

Dear Mr. Hummler,

Premier Environmental Services is performing the data review for Plumley Engineering for samples collected at the Matt Petroleum Terminal Site. The samples were collected in June,2004. Below are questions associated with the cited data set. I have organized the questions for ease of review by either the project manager or QA Officer.

Project S3163 – Semivolatile Organic Analyses

During the review of this data package it was noted that samples S3163-02 and S3163-05 were reported from a 1:10 dilution. The surrogate recoveries in the 1:10 dilution analysis of sample S3163-02 exceeded QC criteria. The initial analysis of this sample was not included in the data report. Please comment and provide data if necessary. All QC criteria were met in sample S3163-05 therefore no additional information is necessary.

Thank you in advance for your prompt response to these data issues. If there are any additional questions associated with this data set, please do not hesitate to contact me at 516-223-9761.

Sincerely,

Renee Cohen

Cc: Scott Zollo – Plumley Engineering

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

October 11, 2004

Plumley Engineering, P.C
8232 Loop Road
Baldwinville, NY 13027

Attn : Scott Zollo

Re: Project ID: Matt Petroleum Terminal
Chemtech Project # S3163

Enclosed please find the corrected pages for Volatile Organic analysis. File IDs for the Calibration Standards have been corrected on Form 6 as per the client's request. The corrected pages have been renumbered. Please replace in your hard copy.

For Semi-Volatile analysis for Sample # S3163-02, a quantitation report has been provided. Due to the bad matrix of the sample, the internal standards cannot be Qedited and therefore, this analysis has not been reported in the hard copy and only the diluted analysis has been reported. The surrogate recoveries are not within QC limits for Sample # S3163-02 due to bad matrix.

We are extremely sorry for the inconvenience caused to you. Please do not hesitate to contact us if we can be of further service at 908-789-8900 ext. 204. We appreciate your patience in this matter.

Sincerely,

Krupa Dubey
QA/QC

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Consulting Group Contract: PLUM01

Lab Code: CTECH Case No.: S3163 SAS No.: S3163 SDG No.: S3163

Instrument ID: MSVOAK Calibration Date(s): 6/23/2004 6/23/2004

Heated Purge: (Y/N) N Calibration Time(s): 08:07 09:48

GC Column: DB624 ID: 0.18 (mm)

LAB FILE ID:

RRF005 = VK062302.D RRF020 = VK062303.D

RRF050 = VK062304.D RRF100 = VK062305.D RRF200 = VK062306.D

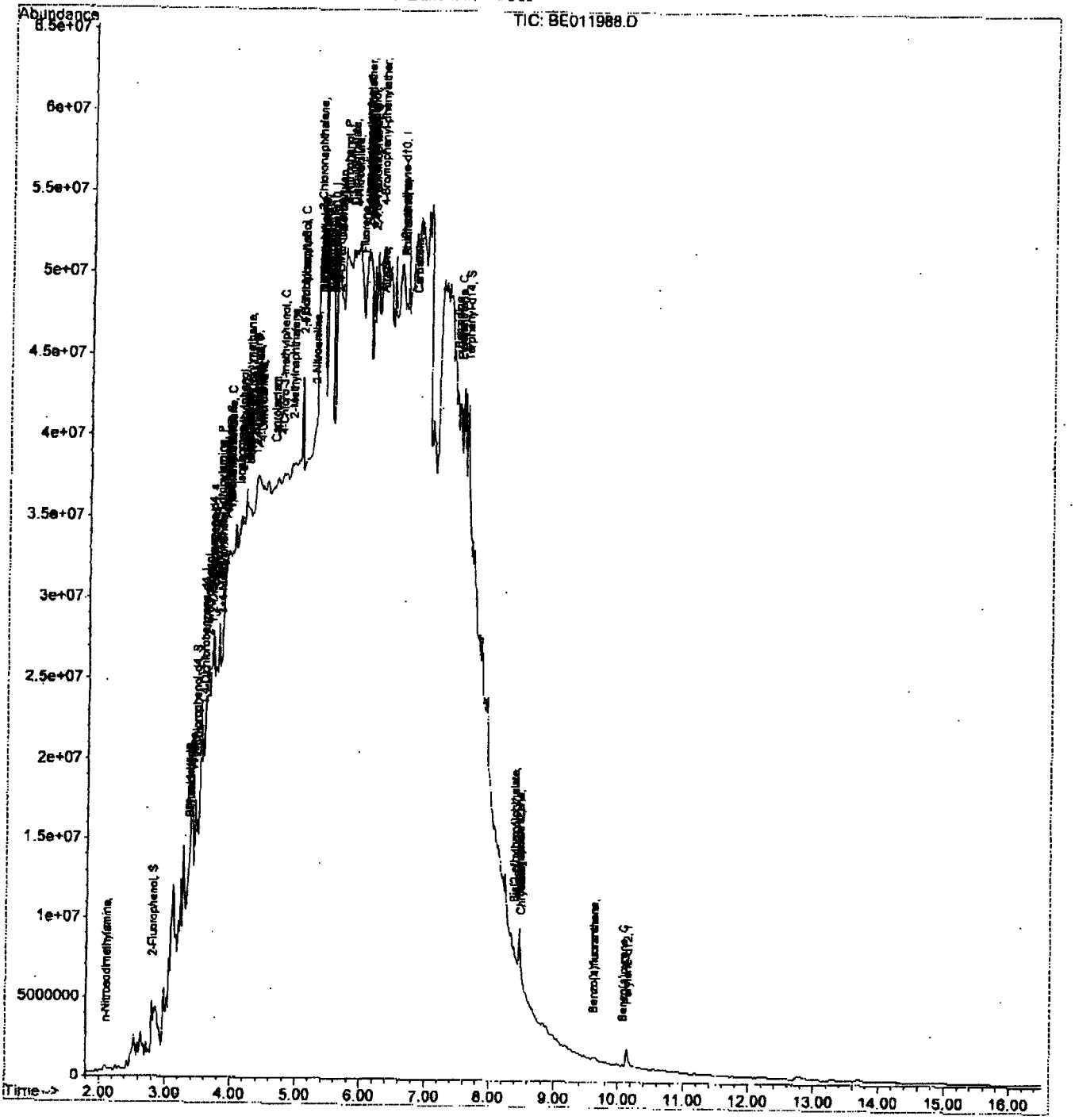
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD	
Methyl tert-butyl Ether	1.964	1.735	1.916	1.840	1.816	1.854	4.8	
Benzene *	1.404	1.332	1.638	1.606	1.546	1.505	8.8	*
Toluene *	0.769	0.816	0.985	0.991	0.989	0.910	11.9	*
Ethyl Benzene *	0.329	0.416	0.450	0.463	0.428	0.417	12.6	*
m/p-Xylenes *	0.514	0.533	0.605	0.580	0.518	0.550	7.3	*
o-Xylene *	0.521	0.564	0.571	0.564	0.494	0.543	5.2	*
Isopropylbenzene	3.903	3.938	3.761	3.785	3.696	3.817	2.6	
n-propylbenzene	5.406	6.045	6.362	6.306	6.167	6.057	5.3	
1,3,5-Trimethylbenzene	3.343	3.086	3.114	2.976	2.902	3.084	5.4	
tert-Butylbenzene	3.590	3.382	3.262	3.184	3.359	3.355	4.6	
1,2,4-Trimethylbenzene	3.157	3.025	3.033	2.932	2.947	3.019	3.0	
sec-Butylbenzene	4.727	4.152	3.941	3.840	3.748	4.082	9.6	
p-Isopropyltoluene	4.122	4.004	3.972	3.762	3.674	3.907	4.7	
n-Butylbenzene	4.169	4.097	3.992	4.065	4.236	4.112	2.3	
Naphthalene	4.249	4.074	4.180	4.045	4.479	4.205	4.1	
1,2-Dichloroethane-d4	0.793	0.820	0.863	0.933	0.892	0.860	6.5	
Dibromofluoromethane	0.311	0.309	0.312	0.326	0.317	0.315	2.2	
Toluene-d8	0.911	0.988	1.024	1.056	1.031	1.002	5.6	
4-Bromofluorobenzene *	0.482	0.391	0.457	0.490	0.482	0.460	8.9	*

* Compounds with required minimum RRF and maximum %RSD values. All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\5\DATA\OLDDAT~1\06-JUN~1\BE062904\BE011988.D Vial: 45
Acq On : 30 Jun 2004 8:16 am Operator: DHZ
Sample : S3163-02 Inst : BNA_E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:48 2004 Quant Results File: BE0629C.RES

Method : C:\HPCHEM\5\METHOD\BE0629C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 29 13:08:45 2004
Response via : Initial Calibration



CHEMTECH GC-MS Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\5\DATA\OLDDAT~1\06-JUN~1\BE062904\BE011988.D Vial: 45
Acq On : 30 Jun 2004 8:16 am Operator: DHZ
Sample : S3163-02 Inst : BNA_E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:48 2004 Quant Results File: BE0629C.RES

Quant Method : G:\5\METHOD\BE0629C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 29 13:08:45 2004
Response via : Initial Calibration
DataAcq Meth : 5973_E

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-	3.57	152	168673	40.00	ng		0.00
22) Naphthalene-d8	4.36	136	76034	40.00	ng		0.00
39) Acenaphthene-d10	5.50	164	199098	40.00	ng		0.06
62) Phenanthrene-d10	6.58	188	652170	40.00	ng		0.14
74) Chrysene-d12	8.46	240	1439258	40.00	ng		-0.03
85) Perylene-d12	10.14	264	1058187	40.00	ng		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	2.80	112	3133428	329.54	ng		0.00
6) Phenol-d5	3.36	99	3315766	292.12	ng		0.00
11) 2-Chlorophenol-d4	3.44	132	2911317	268.87	ng		0.00
14) 1,2-Dichlorobenzene-	3.67	152	440504	136.19	ng		0.00
24) Nitrobenzene-d5	3.92	82	793804	1204.36	ng		0.00
41) 2,4,6-Tribromophenol	6.12	330	168250	70.42	ng		0.15
44) 2-Fluorobiphenyl	5.04	172	304471	59.69	ng		0.04
77) Terphenyl-d14	7.60	244	3972621	148.14	ng		0.02
Target Compounds							Qvalue
3) n-Nitrosodimethylami	2.09	42	32443	14.93	ng		1
5) Aniline	3.40	93	15854	2.11	ng	#	1
7) 2-Chlorophenol	3.61	128	30069	4.55	ng	#	66
8) Benzaldehyde	3.34	77	100729	25.73	ng	#	26
12) 1,3-Dichlorobenzene	3.94	146	37960	6.07	ng	#	1
13) 1,4-Dichlorobenzene	3.94	146	37960	5.04	ng	#	1
15) 1,2-Dichlorobenzene	3.94	146	37960	5.35	ng	#	1
16) Benzyl Alcohol	3.70	79	81729	22.05	ng	#	42
19) Hexachloroethane	3.90	117	6903648	2155.59	ng	#	50
20) n-Nitroso-di-n-propy	3.79	70	99440	18.70	ng	#	76
21) 3+4-Methylphenols	3.81	107	31432	4.08	ng	#	1
23) Acetophenone	3.87	105	297943	258.12	ng	#	12
25) Nitrobenzene	3.93	77	91634	94.32	ng	#	43
26) Isophorone	4.08	82	2488837	1494.20	ng	#	15
27) 2-Nitrophenol	4.17	139	318310	830.19	ng	#	1
28) 2,4-Dimethylphenol	4.11	122	111463	168.40	ng	#	1
29) bis(2-Chloroethoxy)m	4.23	93	19780	20.40	ng	#	1

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram. Compound #:_____

___Peak integrated by software incorrectly. Compound #:_____

___OTHER:_____ Compound #:_____

(#) = qualifier out of range (m) = manual integration

CHEMTECH GC-MS Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\5\DATA\OLDDAT~1\06-JUN~1\BE062904\BE011988.D Vial: 45
Acq On : 30 Jun 2004 8:16 am Operator: DHZ
Sample : S3163-02 Inst : BNA_E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:48 2004 Quant Results File: BE0629C.RES

Quant Method : G:\5\METHOD\BE0629C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 29 13:08:45 2004
Response via : Initial Calibration
DataAcq Meth : 5973_E

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30) 2,4-Dichlorophenol	4.32	162	230554	387.43 ng	#	1
31) 1,2,4-Trichlorobenze	4.31	180	113854	170.08 ng	#	1
32) Naphthalene	4.37	128	522209	226.63 ng	#	1
33) Benzoic acid	4.21	122	22504	57.16 ng	#	1
34) 4-Chloroaniline	4.41	127	123549	142.18 ng	#	1
36) Caprolactam	4.61	113	594622	2202.26 ng	#	1
37) 4-Chloro-3-methylphe	4.73	107	11754	18.07 ng	#	29
38) 2-Methylnaphthalene	4.89	142	3221532	2366.86 ng	#	69
42) 2,4,6-Trichloropheno	5.04	196	25596	16.51 ng	#	15
43) 2,4,5-Trichloropheno	5.04	196	25596	12.01 ng	#	1
45) 1,1'-Biphenyl	5.33	154	1698544	198.78 ng	#	1
46) 2-Chloronaphthalene	5.28	162	703813	109.82 ng	#	1
47) 2-Nitroaniline	5.22	65	20285	10.99 ng	#	60
48) Acenaphthylene	5.43	152	232348	23.37 ng	#	1
49) Dimethylphthalate	5.32	163	22300	3.18 ng	#	1
50) 2,6-Dinitrotoluene	5.35	165	36846	23.24 ng	#	44
51) Acenaphthene	5.50	154	428479	68.37 ng	#	30
52) 3-Nitroaniline	5.50	138	128456	86.30 ng		73
53) 2,4-Dinitrophenol	6.02	184	19049569	34706.77 ng	#	19
54) Dibenzofuran	5.61	168	859963	105.36 ng	#	1
55) 4-Nitrophenol	5.68	139	189828	48.41 ng	#	1
56) 2,4-Dinitrotoluene	5.58	165	255013	119.58 ng	#	57
57) Fluorene	5.95	166	2846145	405.93 ng	#	9
58) Diethylphthalate	5.78	149	27082	4.48 ng	#	1
59) 4-Chlorophenyl-pheny	6.04	204	36172	10.84 ng	#	1
60) 4-Nitroaniline	5.85	138	187730	104.05 ng	#	59
61) Azobenzene	6.02	77	653821	68.34 ng	#	1
63) 4,6-Dinitro-2-methyl	6.09	198	827938	410.81 ng	#	51
64) n-Nitrosodiphenylami	6.02	169	16555558	1436.02 ng	#	87
65) 4-Bromophenyl-phenyl	6.26	248	37661	9.51 ng	#	1
67) Atrazine	6.28	200	232727	69.96 ng	#	1
68) Pentachlorophenol	6.08	266	5534	2.52 ng		90
69) Phenanthrene	6.59	178	8273700	411.39 ng	#	55
70) Anthracene	6.59	178	8273700	371.89 ng	#	55
71) Carbazole	6.78	167	382242	24.10 ng	#	1

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram. Compound #:_____
___Peak integrated by software incorrectly. Compound #:_____
___OTHER:_____ Compound #:_____

(#) = qualifier out of range (m) = manual integration

CHEMTECH GC-MS Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\5\DATA\OLDDAT~1\06-JUN~1\BE062904\BE011988.D Vial: 45
Acq On : 30 Jun 2004 8:16 am Operator: DHZ
Sample : S3163-02 Inst : BNA_E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:48 2004 Quant Results File: BE0629C.RES

Quant Method : G:\5\METHOD\BE0629C.M (RTE Integrator)
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 29 13:08:45 2004
Response via : Initial Calibration
DataAcq Meth : 5973_E

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
73) Fluoranthene	7.48	202	609058	29.09	ng	#	1
75) Benzidine	7.42	184	81525	5.92	ng	#	1
76) Pyrene	7.48	202	437919	7.88	ng	#	20
79) Benzo(a)anthracene	8.45	228	278427	6.21	ng	#	41
81) Chrysene	8.49	228	399892	6.64	ng	#	57
82) Bis(2-ethylhexyl)pht	8.37	149	190765	5.70	ng	#	82
86) Benzo(b)fluoranthene	9.61	252	188032	6.06	ng	#	74
87) Benzo(k)fluoranthene	9.61	252	188032	3.49	ng	#	75
88) Benzo(a)pyrene	10.07	252	82014	2.11	ng	#	73

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak integrated by software incorrectly.Compound #:_____

___OTHER:_____Compound #:_____

(#) = qualifier out of range (m) = manual integration

Premier Environmental Services

DATA VALIDATION REPORT OF THE MATT PETROLEUM SITE CITY OF UTICA

ORGANIC AND INORGANIC ANALYSES
OF AQUEOUS SAMPLES

CHEMTECH CONSULTING GROUP
MOUNTAINSIDE, NEW JERSEY

CATEGORY "B" REPORT NUMBER:
S3421/S3422

June, 2005

Prepared for
Plumley Engineering, P.C.
Baldwinsville, New York

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

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's) Semivolatile Organic Compounds (SVOA's), Polychlorinated Biphenyls (PCB's)**
SITE:	**Matt Petroleum Terminal**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
PROJECT NO.:	**S3421/S3422**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**December, 2004, June 2005**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6- CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). 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.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report. Copies of correspondence between this data validator and the laboratory are located in Appendix D of this report.

This data assessment is for the organic sample analyses listed on the Chain of Custody documents associated with this data set. Samples were collected on June 30, 2004 through July 1, 2004 and shipped via UPS to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on July 2, 2004 for the analyses requested on the COC documentation. Additional sample volumes were received on July 9, 2004. The samples were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes (SVOA) and Polychlorinated Biphenyl's (PCB's) in accordance with the COC documents that accompanied the sample to the laboratory. In addition, samples were analyzed for TAL Metals. The data validation of the inorganic analytes is provided in the Inorganic Data Validation Report.

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes and Polychlorinated Bipheny's (PCB's) as noted by the COC documentation that accompanied the sample set. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDC ASP methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of the NYS DEC ASP (12/95) will supersede CLP requirements in terms of calibration (where applicable) and holding time. Chemtech Consulting Group generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report S3421 consists of twenty (20) field samples, one (1) Equipment Blank and one (1) Trip Blank sample that were analyzed for Volatile Organic Analyses. Samples were analyzed for the STARS List of VOA analytes or the Target Compound List (TCL) of VOA analytes as specified on the COC documents that accompanied the samples to the laboratory.

Laboratory report S3422 consists of ten (10) field samples, one (1) Equipment Blank sample that were to be analyzed for Volatile Organic Analyses. Samples were analyzed for the STARS List of VOA analytes or the Target Compound List (TCL) of VOA analytes as specified on the COC documents that accompanied the samples to the laboratory.

Laboratory report S3421 consists of twenty (20) samples and one (1) Equipment Blank sample that were to be extracted and analyzed for Semivolatile Organic Analyses.

Laboratory report S3422 consists of ten (10) field samples, one (1) Equipment Blank sample that were extracted and analyzed for Semivolatile Organic Analyses.

Laboratory report S3421 consisted three (3) aqueous samples and one (1) Equipment Blank sample that were analyzed for Polychlorinated Biphenyl's (PCB's).

Laboratory report S3422 consisted one (1) aqueous sample and one (1) Equipment Blank sample that were analyzed for Polychlorinated Biphenyl's (PCB's).

ORGANIC DATA ASSESSMENT

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. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days. This holding time is also applicable to soil samples analyzed for Pesticides, PCB's and Herbicides.

Volatile Organic Analyses (EPA Method 8260B) - The aqueous samples associated with this data set were collected June 28, 2004 through July 1, 2004. They were received at the laboratory on July 2, 2004. All sample analyses associated with laboratory report S3422 were completed by July 12, 2004. All samples were analyzed within the NYSDEC method holding time with the exception of sample TW-8. This sample was initially analyzed on July 10, 2004 within the holding time, however due to the concentration of target analytes in the sample, a dilution analysis was required. The 1:20 time dilution ananlysis was performed and reported. This was one day beyond the NYS DEC ASP holding time. Data was not qualified based on this outlier due to the concentration of target analytes detected in this sample.

The samples in laboratory report S3422 were collected on June 30, 2004 and July 1, 2004. The samples were received at the laboratory on July 2, 2004. All sample analyses associated with this data set were analyzed by July 9, 2004. All samples were analyzed within the method holding time.

Semivolatile Organic Analyses (EPA Method 8270C) - The samples reported in laboratory report S3421 were collected on June 30, 2004 and July 1, 2004 and received at the laboratory on July 2, 2004. All samples in this data set were prepared on July 7, 2003 with the exception of sample MW-1 and MW-5. These samples were prepared on July 8, 2004. Samples MW-1 and MW-5 were resubmitted to the laboratory on July 9, 2004. All sample extracts were analyzed within the method holding time. The extracts were analyzed July 15, 2004. All analyses were performed within the proper holding time.

The samples reported in laboratory report S3422 were collected on June 30, 2004 and July 1, 2004 and received at the laboratory on July 2, 2004. All samples in this data set with the exception of sample CB-3 were prepared on July 7, 2003. Sample CB-3 was extracted on July 8, 2004. This sample was resubmitted to the laboratory on July 9, 2004 and prepared. All sample extracts were analyzed within the method holding time. All analyses were performed within the proper holding time.

PCB Analyses – Six (6) aqueous samples were associated with this collection set. Samples were collected on June 30, 2004 and July 1, 2004. The samples were received at the laboratory on July 2, 2004. All samples were extracted on July 7, 2004. All of the samples were prepared/extracted and analyzed within the method holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol, Nitrobenzene-d5, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic Analyses. The laboratory utilized in-house QC limits for the Semivolatile Organic analyses. All sample surrogate recoveries were summarized as required by the deliverable.

The surrogates Tetrachloro-m-xylene (TCX) and Dechachlorobiphenyl (DCB) were added to all the samples prior to the extraction and analysis for Pesticides via EPA Method 8081A. Chemtech Consulting Group utilized the in-house advisory limits (30-150%) for review purposes. The surrogates Tetrachloro-m-xylene (TCX) and Dechachlorobiphenyl (DCB) were added to all the samples prior to the extraction and analysis for PCB's via EPA Method 8082. Chemtech Consulting Group utilized the in-house advisory limits (24-151%) for review purposes.

Volatile Organic Analyses (EPA Method 8260B) – The laboratory reported in-house limits for the surrogate recovery limits. The surrogate recoveries in all field samples and QC samples associated with laboratory report S3421 met QC criteria.

The surrogate recoveries in all field samples and QC samples associated with laboratory report S3422 met QC criteria.

Semivolatile Organic Analyses (EPA Method 8270C) - The surrogate recoveries of the samples associated with laboratory report S3421 met QC criteria.

The surrogate recoveries of the samples associated with laboratory report S3422 met QC criteria with the exception of sample MW-14. All three base neutral surrogates exceeded QC criteria. The sample was re-extracted and comparable data was obtained. The target analytes in this sample have been qualified "UJ/J" estimated. The recovery of Nitrobenzene-d5 and 2-Fluorobiphenyl were above QC limits in sample EB-2. The sample was not reanalyzed. The sample was free from contamination of target analytes, therefore no action was taken.

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

PCB Analyses - The surrogates Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) were added to each of the samples prior to sample extraction. The laboratory reported surrogate recovery from one column on the summary forms. The surrogate recovery of each surrogate met QC criteria in all samples associated with this data set with the exception of sample MW-4, MW-13 MS and EB-1. Decachlorobiphenyl was above in-house limits. No action was taken based on this anomaly.

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 and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Volatile Organic Analyses (EPA Method 8260B) - The laboratory performed MS/MSD sample analysis on samples MW-10 and MW-13. All percent recoveries in sample MW-10 met QC criteria with the exception of 1,1-Dichloroethene in the MS and MSD sample and Chlorobenzene in the MS sample. All Relative Percent differences met QC criteria with the exception of 1,1-Dichloroethene. Data was not qualified based on the results of the MS and MSD data alone. All percent recoveries met QC criteria in MS/MSD sample MW-13 with the exception of 1,1-Dichloroethene in the MS sample. The recovery met QC criteria in the MSD sample. All Relative Percent Differences in the MS/MSD sample set met QC criteria. Data was not qualified based on the results of the MS and MSD data alone.

The laboratory prepared and analyzed a blank matrix spike sample with each sample batch associated with this data set. The recovery of all spiked analytes met QC criteria in each of the blank matrix spike samples.

Semivolatile Organic Analyses (EPA Method 8270C) – Sample MW-13 (S3421-22/23/24) was utilized for the MS/MSD sample in this data set. The sample was analyzed for the complete list of Semivolatile Organic compounds. The laboratory extracted, analyzed and reported a full component MS/MSD sample spike on the sample. The percent recovery of a number of analytes in the MS and MSD sample exceeded QC limits. A number of Relative Percent Differences exceeded QC criteria. The recovery of bis(2-Chloroethyl)ether, 3+4 Methylphenol, 2,4-Dimethylphenol, Dimethylphthalate, 3-Nitroaniline and 3.3'-Dichlorobenzidiene exceeded QC criteria in the MS sample. The recovery of additional analytes in the MSD sample exceeded QC criteria. The RPD of bis(2-chloroethyl)ether, 2,4-Dimethylphenol, 2,4-Dichlorophenol, 3-Nitroaniline, 2,4-Dinitrophenol, 2,4-Dinitroltoluene4,6-Dinitro-2-methylphenol exceeded QC criteria. Sample data was not qualified based on the recovery of the MS/MSD sample set alone.

Chemtech Consulting prepared and analyzed a matrix spike blank sample with the batch of samples. The recovery of the spiked analytes met QC criteria in the reference sample, therefore no action was taken.

Sample MW-10 (S3422-02/03/04) was utilized for the MS/MSD sample in this data set. The sample was analyzed for the STARS list of Semivolatile Organic compounds. The laboratory extracted, analyzed and reported a full component MS/MSD sample spike on the sample. The percent recovery of a number of analytes in the MS and MSD sample exceeded QC limits. A number of Relative Percent Differences exceeded QC criteria. The recovery of bis(2-Chloroethyl)ether, 2-Chlorophenol, 2,2-oxybis(1-Chloropropane), Hexachloroethane and 2,4-Dichlorophenol were effected by the concentration of these analytes in the unspiked sample. The recoveries of 2-Chlorophenol, 2,2-oxybis(1-Chloropropane), Hexachlorethane and 2,4-Dichlorophenol were less than 10%. Further review of the data was performed. These analytes were detected in the un-spiked sample. Based on the concentration of these analytes in the un-spiked sample data qualifiers have been applied to the target analytes 2,2-oxybis(1-Chloropropane) and 2,4-Dichlorophenol in samples MW-12 and EB-2. These analytes have been qualified "UJ" estimated.

Chemtech Consulting prepared and analyzed a matrix spike blank sample with the batch of samples. The recovery of the spiked analytes met QC criteria in the reference sample, with the exception of bis (2-Chloroethy)ether. No action is taken based on the reference spike sample data alone, however, this analyte did not meet QC criteria in the MS/MSD sample, therefore, this analytes has been qualified "UJ/J" estimated in the samples MW-12 and EB-2.

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

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD (cont'd):

PCB Analyses - The laboratory performed MS/MSD sample analysis on sample MW-13. The sample was spiked with Aroclor 1016 and 1260. The recovery of Aroclor 1016 met QC limits for recovery and Relative Percent Difference. The recovery of Aroclor 1260 was outside QC limits in the MS sample. The recovery met QC criteria in the MSD sample. No action was taken based on this QC outlier.

The laboratory prepared and analyzed a blank matrix spike with the sample batch. The recovery of each Aroclor met QC criteria in each of the blank spike samples associated with this data set.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260B) – Four (4) method blanks are associated with the samples reported in Laboratory Report S3421. The method blanks were free from contamination with the exception of the following:

Method Blank ID	File ID	Analyte	Concentration
VBLK01	VD070904	Methylene Chloride	3.9 J ug/l
VBLK03	VD071020	Methylene Chloride	2.2 J ug/l

Methlyene Chloride is reported with the samples that were analyzed for the Target Compound List (TCL) list of analytes. Methylene Chloride had been negated and qualified "U" in samples MW-2, MW-4, EB-1 and MW-13.

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

Two (2) method blanks are associated with the samples reported in Laboratory Report S3422. The method blanks were free from contamination of all target and non-target compounds.

5. BLANK CONTAMINATION (cont'd):

A) Method Blank contamination

Semivolatile Organic Analyses (EPA Method 8270C) – Two (2) method blank samples are associated with Laboratory Report S3421. Target analytes were not detected in either method blank, however, an Aldol Condensation Product (ACP) at retention time 2.53 was detected in the method blank sample SBLK01 (7/7/04) and one (1) ACP at retention time 2.52 in method blank SBLK02 (7/8/04). When detected in associated field samples, these ACP compounds have been qualified/negated "U" as required by the validation guidelines.

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

Two (2) method blank samples are associated with Laboratory Report S3422. Target analytes were not detected in either method blank, however, an Aldol Condensation Product (ACP) at retention time 4.13 was detected in the method blank sample SBLK01 (7/7/04) and one (1) ACP at retention time 2.52 in method blank SBLK02 (7/8/04). When detected in associated field samples, these ACP compounds have been qualified/negated "U" as required by the validation guidelines.

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

PCB Analyses – Three (3) method blank samples are associated with the samples in this data set. Each was free from contamination of Polychlorinatated Biphenyls (PCB's).

B) Field or Equipment Rinse Blank (ERB) contamination

Volatile Organic Analytes - The Equipment Blank (EB-1) was analyzed and reported in Laboratory Report S3421. The sample was free from contamination of the Volatile Organic analytes with the exception of 1,1-Dichloroethane (1.7 J ug/l), Methylcyclohexane (2.8 J ug/l) and m/p Xylenes (2.1 J ug/l).

Sample EB-2 (S3422-13) was reported in Laboratory Report S3422. This Equipment blank sample was analyzed for the TCL compound list. The Equipment Blank sample was free from contamination of all target analytes with the exception of Methylene Chloride 4.3 J ug/l. Methylene Chloride was not detected in the samples that were analyzed for the Target Compound List (TCL), therefore, no action was taken based on this method blank contamination.

Semivolatile Organic Analytes – Sample EB-1 was extracted and analyzed in Laboratory Report S3421. This Equipment Blank sample was free from contamination of target analytes. One ACP was detected at retention time 2.53 in this sample.

Sample EB-2 was extracted analyzed in Laboratory Report S3422. This Equipment Blank sample was free from contamination of target and non-target analytes.

PCB Analyses – Sample EB-1 was extracted and analyzed in Laboratory Report S3421. This Equipment Blank sample was free from contamination of PCB's. Sample EB-2 was extracted and analyzed in Laboratory Report S3422. This Equipment Blank sample was free from contamination of target analytes.

C) Trip Blank contamination

The Trip Blank sample (TB) was reported with the STARS List of Volatile Organic target analytes. This sample was free from contamination of the STARS list of target analytes.

6. 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. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, 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. Region II 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). Region II 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 Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – One (1) initial calibration curve is associated with the samples reported in Laboratory Report S3421. The laboratory performed an initial multilevel calibration on July 3, 2004 (Inst. D). The RRF of all target compounds met QC criteria.

Four (4) continuing calibration standard analyses are associated with this data set. The RRF of all target compounds met QC criteria in the continuing calibration standard analyses met QC criteria on Instrument D.

Two (2) initial calibration curves are associated with the samples reported in Laboratory Report S3422. The laboratory performed an initial multilevel calibration on June 23, 2004 (Inst. K). The RRF of all target compounds met QC criteria. One (1) continuing calibration standard analysis is associated with this calibration curve. The RRF of all target compounds met QC criteria in the continuing calibration standard analysis Instrument K.

The laboratory performed an initial multilevel calibration on July 8, 2004 (Inst. K). The RRF of all target compounds met QC criteria. One (1) continuing calibration standard analysis is associated with this calibration curve. The RRF of all target compounds met QC criteria in the continuing calibration standard analysis Instrument K.

6. GC/MS CALIBRATION (cont'd):

A) RESPONSE FACTOR

Semivolatile Organic Analyses (EPA Method 8270C) – One (1) initial calibration curves are associated with Laboratory Report S3421. The initial calibration curve was analyzed on July 12, 2004 (Inst. E). The RRF of all compounds met QC criteria in the initial calibration curve analysis.

Three (3) continuing calibration standard analyses are associated with the initial calibration curve on Instrument "E". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

Two (2) initial calibration curves are associated with Laboratory Report S3422. The initial calibration curves were analyzed on July 9, 2004 (Inst. A) and July 12, 2004 (Inst. E). The RRF of all compounds met QC criteria in each of the initial calibration curve analyses.

Five (5) continuing calibration standard analyses are associated with the initial calibration curve on Instrument "A". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

Two (2) continuing calibration standard analyses are associated with the initial calibration curve on Instrument "E". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

6. 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 and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – One (1) initial calibration curve analysis is associated with the samples reported in Laboratory Report S3421. %RSD criteria in the initial calibration curve analyzed July 3, 2004 (Inst.D) met QC criteria for all target analytes with the exception of Carbon Disulfide (44.2%) and Methyl Acetate (33.9%).

Four (4) continuing calibration standard analyses are associated with this data set. The % Difference of all compounds met QC criteria in the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
VD070833	7/9/04	Dichlorodifluoromethane	28.8
		Trichlorofluoromethane	65.2
		Tetrachloroethene	51.0
VD070902	7/9/04	Chloroethane	34.3
		Carbon Disulfide	49.9
VD071019	7/10/04	Bromomethane	34.3
		Methyl Acetate	37.9
		Cyclohexane	25.8
		2-Butanone	31.3
		4-Methyl-2-pentanone	30.4
		2-Hexanone	34.0
VD071202	7/12/04	Chloroethene	51.2
		1,1,2-Trichlorotrifluoroethane	28.5
		Methyl Acetate	40.3
		Cyclohexane	25.4
		2-Butanone	36.3
		4-Methyl-2-pentanone	26.1
		2-Hexanone	28.4

These target analytes are reported when the Target Compound List of VOA analytes was requested. When detected in the TCL reported samples have been qualified "UJ/J" estimated

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

6. GC/MS CALIBRATION (cont'd):

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

Volatile Organic Analyses (EPA Method 8260B) - Two (2) initial calibration curves are associated with the samples reported in Laboratory Report S3422. The laboratory performed an initial multilevel calibration on June 23, 2004 (Inst. K). The %RSD criteria of all target compounds met QC criteria with the exception of Carbon Disulfide (44.6%). One (1) continuing calibration standard analysis is associated with this calibration curve. The %Difference of all target compounds met QC criteria in the continuing calibration standard analysis Instrument K with the exception of the Chloromethane (31.7%) and Tetrachloroethene (26.3%). This analysis is associated with the Blank Spike analysis. Sample data was not qualified based on this QC outlier.

The laboratory performed an initial multilevel calibration on July 8, 2004 (Inst. K). The %RSD of all target compounds met QC criteria with the exception of Carbon Disulfide (44.2%), Methyl Acetate (47.4%) and Tetrachloroethene (31.2%). One (1) continuing calibration standard analysis is associated with this calibration curve. The RRF of all target compounds met QC criteria in the continuing calibration standard analysis Instrument K with the exception of Methyl Acetate (39.4%), 2-Hexanone (39.0) and Tetrachloroethene (31.2%). These target analytes have been qualified "UJ/J" estimated in the samples associated with this data set where applicable.

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

Semivolatile Organic Analyses (EPA Method 8270C)– One (1) initial calibration curve is associated with Laboratory Report S3421. The initial calibration curve analysis was performed on July 12, 2004 (Inst. E). All %RSD criteria was met in the initial calibration curve analyzed July 12, 2004 (Inst. E) with the exception of Hexachlorocyclopentadiene (54.6%). This initial calibration curve is associated with all samples in this data set. Hexachlorocyclopentadiene is a target analyte when the Target Analyte List (TCL) of compounds was reported. This analyte has been qualified "UJ" estimated in these samples.

Qualified data result pages are locate din Appendix B of this report.

Three (3) continuing calibration standard analysis are associated with the initial calibration analysis on Instrument "E". The % Difference of all target analytes met QC criteria in each of the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
BE012524	7/14/04	2,4-Dinitrophenol	32.5

This CCV analysis is associated with sample MW-2 RE. 2,4-Dinitrophenol has been qualified "UJ" estimated in this sample.

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

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION (cont'd):

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

Semivolatile Organic Analyses (EPA Method 8270C) - Two (2) initial calibration curves are associated with Laboratory Report S3422. The initial calibration curves were performed on July 9, 2004 (inst, A) and July 12, 2004 (Inst. E). The %RSD of all target analytes met QC criteria in the initial calibration analyzed July 9, 2004 (Inst. A). All %RSD criteria was met in the initial calibration curve analyzed July 12, 2004 (Inst. E) with the exception of Hexachlorocyclopentadiene (54.6%). This initial calibration curve is associated with sample CB-3. Hexachlorocyclopentadiene is not a target analyte for this sample, therefore, no action has been taken.

Five (5) continuing calibration standard analysis are associated with the initial calibration analysis on Instrument "A". The % Difference of all target analytes met QC criteria in each of the continuing calibration standard analyses.

Two (2) continuing calibration standard analyses are associated with the initial calibration analysis on Instrument "E". The % Difference of all target analytes met QC criteria in each of the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
BE012561	7/13/04	Hexachlorocyclopentadiene	45.9
		2,4-Dinitrophenol	48.1

These analytes are not target analytes in the samples associated with this continuing calibration standard analysis, therefore, no action was taken.

ORGANIC DATA ASSESSMENT

7. GC CALIBRATION

GC Calibration of the Pesticide, PCB and TCLP Pesticide analytes was performed in accordance with the USEPA SW846 method. All analyses are performed using a single injection with a splitter and dual column (RTx-50/RTx-1701) analysis. This includes the analysis of a five-point calibration curve for each of the pesticides, Aroclor 1260 and Aroclor 1016. The analyte calibration factors and retention time windows are established. Multi-peak analytes are calibrated by the analysis of a single point of each. The %RSD of each analyte/peak must be less than 20% in the initial calibration curve analysis. Continuing calibration is performed after each ten (10) field samples. %Difference is calculated. Review of calibration was performed. Data qualifiers were applied when QC criteria was not met. Instrument and calibration criteria are then summarized on the USEPA CLP forms that were included in the data report for review.

GC calibration is performed in accordance with EPA Method 8000 for analysis of Herbicides. This includes the analysis of a multi-level standard curve. The Relative Standard Deviation of the points is calculated. The %RSD must be less than 20% in the initial calibration curve analysis. Continuing calibration is performed after each ten (10) field samples. %Difference is calculated.

PCB Analyses – Two (2) initial calibration sequences are associated with the samples in this data set. The initial calibration analyzed on Instrument ECD-4 was analyzed on July 1, 2003. Retention time windows and calibration factors were reported for each of the columns (RTx5/RTx1701) on instrument ECD4. The RSD (%) of each peak in Aroclor 1016 and 1260 met QC criteria. A single point of each of the other Aroclors was analyzed prior to sample analysis.

The initial calibration analyzed on instrument ECD-2 was analyzed July 27, 2004. Retention time windows and calibration factors were reported for each of the columns (MTx5/MTx1701) on instrument ECD4. The RSD (%) of each peak in Aroclor 1016 and 1260 met QC criteria. A single point of each of the other Aroclors was analyzed prior to sample analysis.

Continuing calibration standards bracketed each of the samples in this data set. Percent Difference of the standard was calculated for each peak (of Aroclor 1016 and 1260). All %Difference criteria were met in each of the continuing calibration standards associated with this data set.

ORGANIC DATA ASSESSMENT

8. 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 area count evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260B) - All samples were spiked with the internal standards Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis. The area counts and retention time of each internal standard met QC criteria in all initial field and QC sample analyses associated with Laboratory Report S3421 and S3422.

Semivolatile Organic Analyses (EPA Method 8270C) - All samples were spiked with the internal standards 1,4-Diclorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 prior to sample analysis. The area counts and retention time shift of each internal standard in all samples associated with the data set were reported. The Retention Time Shift of Perylene-d12 in sample MW-2 (S3421-02) exceeded QC criteria. The sample was reanalyzed and comparable data was obtained. Target analytes associated with this internal standard have been qualified "UJ/J" estimated. All Internal Standard area counts exceeded QC criteria in sample MW-14. The sample was re-extracted and analyzed and comparable data was obtained. Target analytes have been qualified "UJ/J" estimated in this sample.

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

9. 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/Semivolatile Organic analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

ORGANIC DATA ASSESSMENT

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 ± 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 (EPA Method 8260B) – Sample S3421 consisted of twenty (20) aqueous samples, one (1) Trip Blank and one (1) Equipment Blank sample were analyzed via Method 8260B. Samples reported either the STARS List of VOA analytes or the TCL list of VOA analytes. The Chain of Custody documents specified which analyte list to report. Tentatively Identified Compounds (TIC's) were reported with the TCL data set. Sample S3422 consisted of ten (10) aqueous samples and one (1) Equipment Blank sample were analyzed via Method 8260B. Samples reported either the STARS List of VOA analytes or the TCL list of VOA analytes. The Chain of Custody documents specified which analyte list to report. Tentatively Identified Compounds (TIC's) were reported with the TCL data set.

Samples were analyzed without dilution or interference except where noted in the above report or detailed below. All positive result data was correct as reported.

Sample TW-4 was initially analyzed without dilution. The concentration of Benzene (240 E ug/l) exceeded the calibration range of this target analyte. The sample was reanalyzed using a dilution of factor of five (5). Benzene was reported from the dilution analysis at a concentration of 220 D ug/l.

Sample TW-8 was analyzed and reported using a dilution factor of 1:20 due to the concentration of target analytes reported in this sample.

Sample TW-9 was initially analyzed without dilution. The concentration of Ethyl Benzene (220 E ug/l) and 1,2,4-Trimethylbenzene (290 E ug/l) exceeded the calibration range of these target analytes. The sample was reanalyzed using a dilution of factor of five (5). Ethyl Benzene was reported from the dilution analysis at a concentration of 140 D ug/l. 1,2,4-Trimethyl Benzene was reported from the dilution analysis at a concentration of 220 D ug/l.

Sample TW-11 was initially analyzed without dilution. The concentration of Benzene (280 E ug/l) exceeded the calibration range of this target analyte. The sample was reanalyzed using a dilution of factor of five (5). Benzene was reported from the dilution analysis at a concentration of 240 D ug/l.

10. COMPOUND IDENTIFICATION (cont'd):

Semivolatile Organic Analyses (SW846 Method 8270C) – Twenty (20) groundwater samples and one (1) Equipment Blank sample were reported in laboratory report S3421. During the review of this laboratory report it was noted that pages 98-220 were copied horizontally rather than in the correct format. The laboratory was contacted and replacement pages were provided for review. Each sample was extracted and reported without dilution except where noted below. Tentatively Identified Compounds were reported when detected in associated samples. All data was reported in accordance with the cited methods.

Sample MW-4 was initially analyzed without dilution. The concentration of 2-Methylnaphthalene exceeded the instrument calibration range. The sample was reanalyzed using a 1:5 dilution. The analyte was reported (130 ug/l) within the calibration range of the instrument.

Sample TW-8 was initially analyzed without dilution. The concentration of Naphthalene (2300 E ug/l) exceeded the instrument calibration range. The sample was reanalyzed using a 1:100 dilution. The analyte was reported (1300 ug/l) within the calibration range of the instrument.

Ten (10) groundwater samples and one Equipment Blank sample were reported in Laboratory Report S3422. Each sample was prepared and analyzed without dilution and reported to the method detection limit.

Sample MW-14 was initially analyzed without dilution. The sample chromatogram exhibited a hump. The area counts of each Internal Standard exceeded QC criteria. The sample was reanalyzed reanalyzed without dilution. This analysis exhibited the same hump in the chromatogram. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated.

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

PCB Analyses – All aqueous samples in this data set were reported via Gas Chromatography with dual column analysis to confirm the presence of any detected analyte. Raw data from both columns was provided for review with the report. All sample results were reported without dilution.

Sample MW-13 was extracted using limited sample volume. The reporting limits of this sample were elevated 2X due and reported.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in the validation report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Any questions regarding deliverables or results have been addressed with the laboratory and a response was received.

All sample results are reported to the method detection limit. Reporting limits and positive results are adjusted based on the sample volume utilized for each extraction procedure. All data provided for this data set is acceptable for use, with noted data qualifiers.

Polychlorinated Biphenyl (PCB) data results are reported without data qualification.

The qualified data result pages are located in Appendix B of this report. Correspondence between this validator and the laboratory are located in Appendix D of this report.

DATA VALIDATION FOR:	**Total TAL Metals**
SITE:	**Matt Petroleum Terminal Site**
CONTRACT LAB:	**Chemtech Consulting Group Mountainside, NJ**
REPORT NO.:	**S3421/S3422**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**December, 2004**
MATRIX:	**Aqueous**

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. In addition method QA/QC and procedures were used to evaluate this data. All data are considered valid and acceptable except those analytes which have been rejected "R" (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. A full list of qualifier definitions that may be used in this report is located in Appendix A of this report. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross-reference between the Field Sample ID and Laboratory Sample ID associated with this data set. The definitions of the qualifiers used in this data report are summarized in Appendix A. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report. Any correspondence between this validator and the laboratory is located in Appendix D of this report.

This data assessment is for a total of six (6) aqueous samples. The samples were collected June 30, 2004 and July 1, 2004 and delivered to Chemtech Consulting Group. Samples were received at the laboratory on July 2, 2004. These samples were also analyzed for a number of organic analytes. The results of the organic data review/validation are located in the Organic Data Validation report.

INORGANIC DATA ASSESSMENT

1. OVERVIEW

Laboratory Report S3421 consists of the analysis of three (3) aqueous samples and one (1) Equipment Blank sample. These samples were analyzed for Total TAL Metals.

Laboratory Report S3422 consists of the analysis of one (1) aqueous sample and one (1) Equipment Blank sample for the TAL metals. These samples were analyzed for Total TAL Metals.

Analyses were performed using the appropriate SW846 Methods cited in the testing requirements of this work plan. Data validation will utilize the validation guidelines in the above documents. QA/QC requirements of SW846 Methods will supersede CLP requirements in terms of holding time. A summary of the applicable QC will be discussed at each section of 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. The NYS DEC ASP holding time criteria is from Verified Time of Sample Receipt (VTSR). The holding times cited for aqueous samples are used for non-aqueous samples. Preservation for aqueous samples is that samples are to be preserved with Nitric Acid to pH less than 2. Samples are then refrigerated at 4 degrees C until digestion.

The ICP Metal holding time is 6 months. Mercury is to be analyzed within 26 days of VTSR.

The samples associated with this data set were collected on June 30, 2004 and July 1, 2004. The samples were received at the laboratory on July 2, 2004. The samples were received in good condition. The samples were prepared for ICP Metals on July 9, 2004. The sample digestates were analyzed on July 13, 2004. The samples were prepared for Mercury analysis on July 8, 2004. The sample digestates were analyzed on July 12, 2004. All sample preparation and analyses were completed within the method holding time.

verified for each analyte. The recovery of the CRDL standard must be +/-20% of the true value.

INORGANIC DATA ASSESSMENT

5. MATRIX SPIKE ANALYSES

Matrix Spike data is generated to determine the long term precision and accuracy of the analytical method in various matrices. The MS data may be used in conjunction with other QC criteria for additional qualification of data. The laboratory used the EPA recovery range of 75%-125% of the True Value for reporting purposes.

Chemtech Consulting performed MS analysis on sample MW-13. The recovery of the spiked analytes met QC criteria with the exception of Silver (495.4%/496.4%) and Sodium (143.6%/139.2%). Silver was not detected in the samples associated with this data set. Silver sample results did not require data qualification. Sodium results have been data results have been qualified "J" estimated in all samples associated with this data set.

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

6. 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 pre-digestion spike recovery falls outside the 75-125% control limit.

Chemtech Consulting performed post digestion spike analysis on sample MW-13. The recovery of Silver and Sodium exceeded QC criteria in this post digestion spike analysis. The recovery of the post digestate spike confirms the presence of matrix interference within this sample set.

7. DUPLICATE LABORATORY SAMPLE ANALYSIS

Duplicate sample analysis is used as an indicator of laboratory precision for each sample matrix. The duplicate analysis is used to assess precision of both sample preparation and sample analysis. A control limit of 35% is utilized for soil sample analyses.

Chemtech Consulting Group prepared sample MW-13 in duplicate for all analytes associated with this data set. The Relative Percent Difference for all analytes met QC criteria in both the MS/MSD analysis and the sample/duplicate sample analysis.

8. LABORATORY CONTROL SAMPLE ANALYSIS

Chemtech Consulting prepared a Laboratory Control Sample with the sample batch for both the TAL Metals. The LCS is used to determine if matrix interference in the matrix spike sample is due to the sample matrix or a contamination or interference added by the digestion process.

The aqueous LCS sample associated with this data set was analyzed for the TAL list of metal analytes. Recovery of each of the LCS analytes met QC criteria.

INORGANIC DATA ASSESSMENT

9. BLANK CONTAMINATION

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank. The following analytes in the samples shown were qualified "U" for these reasons:

A) Method Blank contamination

One (1) ICP and one (1) Mercury preparation blank is associated with this data set. Each of the prep blanks was free from contamination.

B) Field or Equipment Rinse Blank (ERB) contamination

A field blank sample is not associated with this data set.

Equipment Blank –1 (S3421-21) was prepared and analyzed with this data set. It was free from contamination of target analytes with the exception of Copper (1.58 J ug/l), Manganese (0.690 J ug/l) and Selenium (6.52 J ug/l). These analytes detected in the samples associated with Equipment Blank have been negated and qualified "U".

Equipment Blank-2 (S3422-13) was prepared and analyzed with this data set. It was free from contamination of target analytes with the exception of Manganese (1.540 J ug/l) and Mercury (0.08 J ug/l). Mercury was not detected in the associated sample, therefore no action was taken. The concentration of Manganese in the associated aqueous sample was greater five (5) times that in the Equipment Blank sample, therefore no action has been taken.

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

C) Trip Blank (TB) contamination

A trip blank was not analyzed for the TAL Metal list of target analytes.

10. SERIAL DILUTION ANALYSES

ICP Serial dilution analysis is used to determine whether significant physical or chemical interferences exist due to sample matrix. Acceptable %Difference of the ICP Serial Dilution sample analysis are results which agree with a %Difference of less than 10%.

ICP serial dilution analysis was performed on sample MW-13. The results of the serial dilution analysis met QC criteria for all analytes with the exception of Manganese (10.4%). Manganese has been qualified "UJ/J" estimated.

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

INORGANIC DATA ASSESSMENT

11. INSTRUMENT QC DATA

The laboratory is required by the method to perform specific instrument verification tests on a specific timeframe. Based on a review of the QC summary forms included in the data report, Chemtech Consulting Group performed the required studies specified by the method.

12. COMPOUND IDENTIFICATION

All samples were analyzed for the analytes listed on the COC documents in accordance with the cited method. The aqueous samples in this data reported and analyzed without dilution. Sample data was reported using the units ug/l.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The data associated with this data set is acceptable for use with the noted data qualifiers. Data qualifiers have been applied to this data set based on the guidelines in the cited EPA documents. A description of the qualifiers and decision for them is detailed in the above report. Qualified data result pages are located in Appendix B of this report. All aqueous sample data was reported using the units ug/l.

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TABLE 1

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Premier Environmental Services

FIELD SAMPLE ID	LABORATORY ID
MW-1	S3421-01
MW-2	S3421-02
MW-3	S3421-03
MW-4	S3421-04
MW-5	S3421-05
MW-6	S3421-06
MW-7	S3421-07
MW-9	S3421-08
TW-3	S3421-09
TW-4	S3421-10
TW-5	S3421-11
TW-6	S3421-12
TW-7	S3421-13
TW-8	S3421-14
TW-9	S3421-15
TW-10	S3421-16
TW-11	S3421-17
TW-12	S3421-18
TW-13	S3421-19
TB	S3421-20
EB-1	S3421-21
MW-13	S3421-22
MW-13 MS	S3421-23
MW-13 MSD	S3421-24
MW-1	S3421-25
MW-2	S3421-26
MW-8	S3422-01
MW-10	S3422-02
MW-10 MS	S3422-03
MW-10 MSD	S3422-04
MW-11	S3422-05
MW-12	S3422-06
MW-14	S3422-07
MW-15	S3422-08
TW-1	S3422-09
TW-2	S3422-10
TW-14	S3422-11
CB-3	S3422-12
EB-2	S3422-13
CB-3	S3422-14

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APPENDIX A

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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/unusable. 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.

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APPENDIX B

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
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Volatiles
SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-02 Client ID: MW-2

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070908.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88 UJ	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 U J	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 U J	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	2.0 U	~~JB~~	5.0	0.62	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	6.4		5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	< 0.58	U	5.0	0.58	ug/L
Benzene	71-43-2	88		5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
t-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

Chemtech

Volatiles
SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-02 Client ID: MW-2

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070908.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	< 0.96	U	5.0	0.96	ug/L
o-Xylene	95-47-6	4.0	J	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	< 0.33	U	5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	42.09	84 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	48.85	98 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	44.56	89 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	47.81	96 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	180901	4.24			
1,4-Difluorobenzene	540-36-3	282016	4.95			
Chlorobenzene-d5	3114-55-4	253149	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	142266	10.40			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclopentene, 1,5-dimethyl-	16491159	24	J	5.92		ug/L
2-Pentanone, 3-methyl-	565617	11	J	6.73		ug/L
Cyclopentanone, 3-methyl-	1757422	13	J	8.65		ug/L
Benzene, 1-ethyl-4-methyl-	622968	54	J	9.92		ug/L
Indane	496117	20	J	10.60		ug/L
(E)-1-Phenyl-1-butene	1005647	42	J	11.07		ug/L
Benzene, 4-ethyl-1,2-dimethyl-	934805	20	J	11.22		ug/L
Benzene, 1-methyl-4-(2-propenyl)	3333139	56	J	11.67		ug/L
Benzene, (2-methyl-1-butenyl)-	56253646	22	J	12.04		ug/L

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Volatiles
SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-04 Client ID: MW-4

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070907.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88 UJ	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 UJ	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 UJ	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	4.0 U	~~JB~~	5.0	0.62	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	14		5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	25		5.0	0.58	ug/L
Benzene	71-43-2	0.90	J	5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	0.62	J	5.0	0.39	ug/L
t-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

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Volatiles

SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-04 Client ID: MW-4

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070907.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	< 0.96	U	5.0	0.96	ug/L
o-Xylene	95-47-6	2.1	J	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	21		5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	38.93	78 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	48.8	98 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	48.15	96 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	45.85	92 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	177722	4.24			
1,4-Difluorobenzene	540-36-3	266718	4.95			
Chlorobenzene-d5	3114-55-4	230868	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	126114	10.40			
TENTITIVE IDENTIFIED COMPOUNDS						
Indane	496117	130	J	10.60		ug/L
Benzene, 4-ethyl-1,2-dimethyl-	934805	63	J	10.97		ug/L
2,3-Dihydro-1-methylindene	27133933	76	J	11.07		ug/L
1H-Indene, 2,3-dihydro-4-methyl-	824226	53	J	11.55		ug/L
Benzene, 2-ethenyl-1,3-dimethyl-	2039909	190	J	11.68		ug/L
Naphthalene, 1-methyl-	90120	78	J	13.21		ug/L
Naphthalene, 2-methyl-	91576	270	J	13.39		ug/L
Naphthalene, 2,6-dimethyl-	581420	72	J	14.34		ug/L
Naphthalene, 1,4-dimethyl-	571584	87	J	14.53		ug/L

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Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-10 Client ID: TW-4

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070853.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0708W4
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	2.6	J	5.0	0.36	ug/L
Benzene	71-43-2	240	E	5.0	0.24	ug/L
Toluene	108-88-3	11		5.0	0.39	ug/L
Ethyl Benzene	100-41-4	7.7		5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	9.4 U		5.0	0.96	ug/L
o-Xylene	95-47-6	6.1		5.0	0.37	ug/L
Isopropylbenzene	98-82-8	14		5.0	0.33	ug/L
N-propylbenzene	103-61-5	18		5.0	0.38	ug/L
1,3,5-Trimethylbenzene	108-67-8	19		5.0	0.37	ug/L
tert-Butylbenzene	98-06-6	< 0.36	U	5.0	0.36	ug/L
1,2,4-Trimethylbenzene	95-63-6	24		5.0	0.37	ug/L
Sec-butylbenzene	135-98-8	3.6	J	5.0	0.43	ug/L
p-Isopropyltoluene	99-87-6	4.4	J	5.0	0.36	ug/L
n-Butylbenzene	104-51-8	8.7		5.0	0.47	ug/L
Naphthalene	91-20-3	2.0	J	5.0	0.47	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	45.28	91 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	49.19	98 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	47.68	95 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	51.31	103 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	192185	4.24			
1,4-Difluorobenzene	540-36-3	286657	4.95			
Chlorobenzene-d5	3114-55-4	278761	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	157337	10.40			

Chemtech

Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-10DL	Client ID:	TW-4DL
Date Collected:	7/1/2004	Date Received:	7/2/2004
Date Analyzed:	7/9/2004	Matrix:	WATER
File ID:	VD070906.D	Analytical Run ID:	VD070304
Dilution:	5	Instrument ID:	MSVOAD
Analytical Method:	8260	Associated Blank:	VBD0709W2
Sample Wt/Vol:	5.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	< 1.8	UD	25	1.8	ug/L
Benzene	71-43-2	220	D	25	1.2	ug/L
Toluene	108-88-3	10	JD	25	2.0	ug/L
Ethyl Benzene	100-41-4	5.8	JD	25	2.0	ug/L
m/p-Xylenes	136777-61-2	~~8.6~~ 8.6U	~~JD~~	25	4.8	ug/L
o-Xylene	95-47-6	4.8	JD	25	1.8	ug/L
Isopropylbenzene	98-82-8	16	JD	25	1.6	ug/L
N-propylbenzene	103-61-5	20	JD	25	1.9	ug/L
1,3,5-Trimethylbenzene	108-67-8	21	JD	25	1.8	ug/L
tert-Butylbenzene	98-06-6	< 1.8	UD	25	1.8	ug/L
1,2,4-Trimethylbenzene	95-63-6	27	D	25	1.8	ug/L
Sec-butylbenzene	135-98-8	4.4	JD	25	2.2	ug/L
p-Isopropyltoluene	99-87-6	5.8	JD	25	1.8	ug/L
n-Butylbenzene	104-51-8	12	JD	25	2.4	ug/L
Naphthalene	91-20-3	< 2.4	UD	25	2.4	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	39.66	79 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	49.06	98 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	45.69	91 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	42.56	85 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	183454	4.24			
1,4-Difluorobenzene	540-36-3	273776	4.95			
Chlorobenzene-d5	3114-55-4	246857	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	132914	10.41			

Chemtech

Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-13 Client ID: TW-7

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070911.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	22		5.0	0.36	ug/L
Benzene	71-43-2	49		5.0	0.24	ug/L
Toluene	108-88-3	4.1	J	5.0	0.39	ug/L
Ethyl Benzene	100-41-4	0.73	J	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	1.7	~~J~~ U	5.0	0.96	ug/L
o-Xylene	95-47-6	1.7	J	5.0	0.37	ug/L
Isopropylbenzene	98-82-8	12		5.0	0.33	ug/L
N-propylbenzene	103-61-5	12		5.0	0.38	ug/L
1,3,5-Trimethylbenzene	108-67-8	49		5.0	0.37	ug/L
tert-Butylbenzene	98-06-6	0.92	J	5.0	0.36	ug/L
1,2,4-Trimethylbenzene	95-63-6	12		5.0	0.37	ug/L
Sec-butylbenzene	135-98-8	3.5	J	5.0	0.43	ug/L
p-Isopropyltoluene	99-87-6	2.5	J	5.0	0.36	ug/L
n-Butylbenzene	104-51-8	8.8		5.0	0.47	ug/L
Naphthalene	91-20-3	< 0.47	U	5.0	0.47	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	46.16	92 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	49.81	100 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	45.11	90 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	44.35	89 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	176641	4.23			
1,4-Difluorobenzene	540-36-3	277731	4.95			
Chlorobenzene-d5	3114-55-4	262734	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	143955	10.41			

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Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-18 Client ID: TW-12

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/10/2004 Matrix: WATER
File ID: VD070918.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	8.7		5.0	0.36	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	2.2	J U	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Isopropylbenzene	98-82-8	4.1	J	5.0	0.33	ug/L
N-propylbenzene	103-61-5	4.2	J	5.0	0.38	ug/L
1,3,5-Trimethylbenzene	108-67-8	3.6	J	5.0	0.37	ug/L
tert-Butylbenzene	98-06-6	< 0.36	U	5.0	0.36	ug/L
1,2,4-Trimethylbenzene	95-63-6	16		5.0	0.37	ug/L
Sec-butylbenzene	135-98-8	6.6		5.0	0.43	ug/L
p-Isopropyltoluene	99-87-6	1.6	J	5.0	0.36	ug/L
n-Butylbenzene	104-51-8	6.0		5.0	0.47	ug/L
Naphthalene	91-20-3	7.1		5.0	0.47	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	42.17	84 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	48.21	96 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	47.71	95 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	43.57	87 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	188040	4.24			
1,4-Difluorobenzene	540-36-3	287845	4.95			
Chlorobenzene-d5	3114-55-4	266047	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	143011	10.40			

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Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-19 Client ID: TW-13

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/10/2004 Matrix: WATER
File ID: VD070919.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Methyl tert-butyl Ether	1634-04-4	2.1	J	5.0	0.36	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	1.1 U	~~J~~	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Isopropylbenzene	98-82-8	< 0.33	U	5.0	0.33	ug/L
N-propylbenzene	103-61-5	< 0.38	U	5.0	0.38	ug/L
1,3,5-Trimethylbenzene	108-67-8	< 0.37	U	5.0	0.37	ug/L
tert-Butylbenzene	98-06-6	< 0.36	U	5.0	0.36	ug/L
1,2,4-Trimethylbenzene	95-63-6	1.4	J	5.0	0.37	ug/L
Sec-butylbenzene	135-98-8	< 0.43	U	5.0	0.43	ug/L
p-Isopropyltoluene	99-87-6	< 0.36	U	5.0	0.36	ug/L
n-Butylbenzene	104-51-8	< 0.47	U	5.0	0.47	ug/L
Naphthalene	91-20-3	< 0.47	U	5.0	0.47	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	40.04	80 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	48.52	97 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	46.97	94 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	42.34	85 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	194771	4.23			
1,4-Difluorobenzene	540-36-3	291890	4.95			
Chlorobenzene-d5	3114-55-4	275203	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	141236	10.40			

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Volatiles

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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-21 Client ID: EB-1

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070916.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88 UJ	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 UJ	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 UJ	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	7.1 U	~~B~~	5.0	0.62	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	1.7	J	5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	2.8	J	5.0	0.58	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
t-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

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Volatiles

SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-21 Client ID: EB-1

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VD070916.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	2.1	J	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	< 0.33	U	5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	39.48	79 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	49.02	98 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	46.5	93 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	42.12	84 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	199879	4.24			
1,4-Difluorobenzene	540-36-3	299933	4.95			
Chlorobenzene-d5	3114-55-4	274304	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	138221	10.41			

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Volatiles
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SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-22 Client ID: MW-13

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/10/2004 Matrix: WATER
File ID: VD070927.D Analytical Run ID: VD070304
Dilution: 1 Instrument ID: MSVOAD
Analytical Method: 8260 Associated Blank: VBD0709W2
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88 UJ	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 UJ	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 UJ	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	3.0 U	~~JB~~	5.0	0.62	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	< 0.37	U	5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	1.4	J	5.0	0.58	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
t-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

Chemtech

Volatiles
SW-846

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-22	Client ID:	MW-13
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/10/2004	Matrix:	WATER
File ID:	VD070927.D	Analytical Run ID:	VD070304
Dilution:	1	Instrument ID:	MSVOAD
Analytical Method:	8260	Associated Blank:	VBD0709W2
Sample Wt/Vol:	5.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	< 0.96	U	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	< 0.33	U	5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	42.04	84 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	50.31	101 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	45.27	91 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	39.38	79 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	187618	4.24			
1,4-Difluorobenzene	540-36-3	291339	4.95			
Chlorobenzene-d5	3114-55-4	239723	8.22			
1,4-Dichlorobenzene-d4	3855-82-1	132306	10.40			
TENTITIVE IDENTIFIED COMPOUNDS						
Benzene, (2-methyl-1-propenyl)-	768490	8.0	J	11.07		ug/L
1H-Indene, 2,3-dihydro-5-methyl-	874351	12	J	11.68		ug/L
Benzene, 2-ethenyl-1,3,5-trimeth	769255	6.2	J	11.92		ug/L
Benzene, (2-methyl-1-butenyl)-	56253646	10	J	12.03		ug/L
Naphthalene, 2-methyl-	91576	8.2	J	13.39		ug/L

Chemtech

Volatiles
SW-846

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-06 Client ID: MW-12

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/10/2004 Matrix: WATER
File ID: VK070912.D Analytical Run ID: VK070804
Dilution: 1 Instrument ID: MSVOAK
Analytical Method: 8260 Associated Blank: VBK0709W1
Sample Wt/Vol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 UJ	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 UJ	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	< 0.62	U	5.0	0.62	ug/L
rans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	< 0.37	U	5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	< 0.58	U	5.0	0.58	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
is-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66 UJ	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

Chemtech

Volatiles
SW-846

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID:	S3422-06	Client ID:	MW-12
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/10/2004	Matrix:	WATER
File ID:	VK070912.D	Analytical Run ID:	VK070804
Dilution:	1	Instrument ID:	MSVOAK
Analytical Method:	8260	Associated Blank:	VBK0709W1
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	
Soil Aliquot Vol:		% Moisture:	100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33 U J	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	< 0.96	U	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	1.2	J	5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	45.3	91 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	52.38	105 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	49.47	99 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	43.25	86 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	218463	4.25			
1,4-Difluorobenzene	540-36-3	491984	4.87			
Chlorobenzene-d5	3114-55-4	379116	7.36			
1,4-Dichlorobenzene-d4	3855-82-1	137034	8.79			
TENTITIVE IDENTIFIED COMPOUNDS						
Benzene, 1-ethyl-2-methyl-	611143	13	J	8.49		ug/L
Indane	496117	17	J	8.93		ug/L
2,3-Dihydro-1-methylindene	27133933	18	J	9.23		ug/L
Benzene, 1,2,3,5-tetramethyl-	527537	17	J	9.39		ug/L
Benzene, 2-ethenyl-1,4-dimethyl-	2039896	54	J	9.62		ug/L
Naphthalene, 1,2,3,4-tetrahydro-1-	1559815	19	J	9.78		ug/L
1H-Indene, 2,3-dihydro-1,1-dimet	4912929	14	J	9.86		ug/L
Naphthalene, 1,2,3,4-tetrahydro-6-	1680519	15	J	10.30		ug/L
Naphthalene, 2-methyl-	91576	13	J	10.81		ug/L

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Volatiles
SW-846

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-13 **Client ID:** EB-2

Date Collected: 7/1/2004 **Date Received:** 7/2/2004
Date Analyzed: 7/9/2004 **Matrix:** WATER
File ID: VK070906.D **Analytical Run ID:** VK070804
Dilution: 1 **Instrument ID:** MSVOAK
Analytical Method: 8260 **Associated Blank:** VBK0709W1
Sample Wt/Vol: 5.0 **Units:** mL **Soil Extract Vol:**
Soil Aliquot Vol: **% Moisture:** 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Dichlorodifluoromethane	75-71-8	< 0.33	U	5.0	0.33	ug/L
Chloromethane	74-87-3	< 0.68	U	5.0	0.68	ug/L
Vinyl chloride	75-01-4	< 0.27	U	5.0	0.27	ug/L
Bromomethane	74-83-9	< 0.78	U	5.0	0.78	ug/L
Chloroethane	75-00-3	< 0.88	U	5.0	0.88	ug/L
Trichlorofluoromethane	75-69-4	< 0.58	U	5.0	0.58	ug/L
1,1,2-Trichlorotrifluoroethane	76-13-1	< 0.69	U	5.0	0.69	ug/L
1,1-Dichloroethene	75-35-4	< 0.32	U	5.0	0.32	ug/L
Acetone	67-64-1	< 3.3	U	25	3.3	ug/L
Carbon disulfide	75-15-0	< 0.39 UJ	U	5.0	0.39	ug/L
Methyl tert-butyl Ether	1634-04-4	< 0.36	U	5.0	0.36	ug/L
Methyl Acetate	79-20-9	< 0.83 UJ	U	5.0	0.83	ug/L
Methylene Chloride	75-09-2	4.3	J	5.0	0.62	ug/L
trans-1,2-Dichloroethene	156-60-5	< 0.51	U	5.0	0.51	ug/L
1,1-Dichloroethane	75-34-3	< 0.22	U	5.0	0.22	ug/L
Cyclohexane	110-82-7	< 0.37	U	5.0	0.37	ug/L
2-Butanone	78-93-3	< 2.8	U	25	2.8	ug/L
Carbon Tetrachloride	56-23-5	< 0.47	U	5.0	0.47	ug/L
cis-1,2-Dichloroethene	156-59-2	< 0.77	U	5.0	0.77	ug/L
Chloroform	67-66-3	< 0.58	U	5.0	0.58	ug/L
1,1,1-Trichloroethane	71-55-6	< 0.41	U	5.0	0.41	ug/L
Methylcyclohexane	108-87-2	< 0.58	U	5.0	0.58	ug/L
Benzene	71-43-2	< 0.24	U	5.0	0.24	ug/L
1,2-Dichloroethane	107-06-2	< 0.32	U	5.0	0.32	ug/L
Trichloroethene	79-01-6	< 0.67	U	5.0	0.67	ug/L
1,2-Dichloropropane	78-87-5	< 0.63	U	5.0	0.63	ug/L
Bromodichloromethane	75-27-4	< 0.35	U	5.0	0.35	ug/L
4-Methyl-2-Pentanone	108-10-1	< 1.3	U	25	1.3	ug/L
Toluene	108-88-3	< 0.39	U	5.0	0.39	ug/L
trans-1,3-Dichloropropene	10061-02-6	< 0.42	U	5.0	0.42	ug/L
cis-1,3-Dichloropropene	10061-01-5	< 0.15	U	5.0	0.15	ug/L
1,1,2-Trichloroethane	79-00-5	< 0.52	U	5.0	0.52	ug/L
2-Hexanone	591-78-6	< 0.66 UJ	U	25	0.66	ug/L
Dibromochloromethane	124-48-1	< 0.38	U	5.0	0.38	ug/L

Chemtech

Volatiles
SW-846

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-13 Client ID: EB-2

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/9/2004 Matrix: WATER
File ID: VK070906.D Analytical Run ID: VK070804
Dilution: 1 Instrument ID: MSVOAK
Analytical Method: 8260 Associated Blank: VBK0709W1
Sample Wt/Wol: 5.0 Units: mL Soil Extract Vol:
Soil Aliquot Vol: % Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
1,2-Dibromoethane	106-93-4	< 0.63	U	5.0	0.63	ug/L
Tetrachloroethene	127-18-4	< 0.33 U J	U	5.0	0.33	ug/L
Chlorobenzene	108-90-7	< 0.37	U	5.0	0.37	ug/L
Ethyl Benzene	100-41-4	< 0.41	U	5.0	0.41	ug/L
m/p-Xylenes	136777-61-2	< 0.96	U	5.0	0.96	ug/L
o-Xylene	95-47-6	< 0.37	U	5.0	0.37	ug/L
Styrene	100-42-5	< 0.34	U	5.0	0.34	ug/L
Bromoform	75-25-2	< 0.25	U	5.0	0.25	ug/L
Isopropylbenzene	98-82-8	< 0.33	U	5.0	0.33	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	U	5.0	0.50	ug/L
1,3-Dichlorobenzene	541-73-1	< 0.37	U	5.0	0.37	ug/L
1,4-Dichlorobenzene	106-46-7	< 0.39	U	5.0	0.39	ug/L
1,2-Dichlorobenzene	95-50-1	< 0.37	U	5.0	0.37	ug/L
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.94	U	5.0	0.94	ug/L
1,2,4-Trichlorobenzene	120-82-1	< 0.29	U	5.0	0.29	ug/L
SURROGATES						
1,2-Dichloroethane-d4	17060-07-0	45.83	92 %	72 - 119		SPK: 50
Dibromofluoromethane	1868-53-7	52.42	105 %	85 - 115		SPK: 50
Toluene-d8	2037-26-5	48.12	96 %	81 - 120		SPK: 50
4-Bromofluorobenzene	460-00-4	47.39	95 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
Pentafluorobenzene	363-72-4	200133	4.25			
1,4-Difluorobenzene	540-36-3	457405	4.87			
Chlorobenzene-d5	3114-55-4	324582	7.37			
1,4-Dichlorobenzene-d4	3855-82-1	122797	8.79			

Chemtech Consulting Group

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-02 Client ID: MW-2

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/13/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BE012544.D
Dilution: 1 Instrument ID: BNAE
Analytical Method: 8270 Analytical Run ID: BE071204
Sample Wt/Wol: 960.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16066B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	10	1.7	ug/L
Phenol	108-95-2	< 0.430	U	10	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330	U	10	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	10	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	10	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.830	U	10	0.830	ug/L
Acetophenone	98-86-2	< 0.550	U	10	0.550	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	10	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	10	0.770	ug/L
Hexachloroethane	67-72-1	< 0.910	U	10	0.910	ug/L
Nitrobenzene	98-95-3	< 0.380	U	10	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	10	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	10	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.460	U	10	0.460	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.440	U	10	0.440	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290	U	10	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	10	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	10	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	10	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	10	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	10	0.300	ug/L
2-Methylnaphthalene	91-57-6	< 0.500	U	10	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.450 UJ	U	10	0.450	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.280	U	10	0.280	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.580	U	10	0.580	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	10	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	10	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	10	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	10	0.260	ug/L
Acenaphthylene	208-96-8	< 0.430	U	10	0.430	ug/L

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-02	Client ID:	MW-2
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/13/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012544.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	960.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.410	U	10	0.410	ug/L
3-Nitroaniline	99-09-2	< 1.0	U	10	1.0	ug/L
Acenaphthene	83-32-9	< 0.240	U	10	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	10	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.940	U	10	0.940	ug/L
Dibenzofuran	132-64-9	< 0.310	U	10	0.310	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	10	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	10	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.360	U	10	0.360	ug/L
Fluorene	86-73-7	< 0.170	U	10	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.830	U	10	0.830	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.4	U	10	1.4	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	10	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	10	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	10	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	10	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	10	0.390	ug/L
Phenanthrene	85-01-8	< 0.270	U	10	0.270	ug/L
Anthracene	120-12-7	< 0.160	U	10	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	10	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.098	U	10	0.098	ug/L
Fluoranthene	206-44-0	< 0.210	U	10	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	10	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	10	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	10	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.220	U	10	0.220	ug/L
Chrysene	218-01-9	< 0.380	U	10	0.380	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 0.340	U	10	0.340	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	10	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230 U J	U	10	0.230	ug/L

Chemtech Consulting Group

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-02 Client ID: MW-2

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Vol: 960.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012544.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.380 U J	U	10	0.380	ug/L
Benzo(a)pyrene	50-32-8	< 0.450 U J	U	10	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	10	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290 U J	U	10	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.420 U J	U	10	0.420	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	76.24	25 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	52.3	17 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	136.35	68 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	129.6	65 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	195.68	65 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	133.27	67 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	291771	3.49			
Naphthalene-d8	1146-65-2	1071052	4.27			
Acenaphthene-d10	15067-26-2	608833	5.39			
Phenanthrene-d10	1517-22-2	1001546	6.45			
Chrysene-d12	1719-03-5	918309	8.79			
Perylene-d12	1520-96-3	914074	10.48			
TENTITIVE IDENTIFIED COMPOUNDS						
Cyclopentanone	120923	14	J	2.17		ug/L
ACP		~~19~~	~~AB~~ U	2.52		ug/L
Cyclopentanone, 3-methyl-	1757422	57	J	2.57		ug/L
2-Propanone, (1-methylethylidene	627703	10	J	2.81		ug/L
trans-3,4-Dimethylcyclopentanone	19550733	11	J	2.84		ug/L
Butanoic acid, 1-methyloctyl ester	69727420	11	J	2.86		ug/L
Unknown		17	J	2.95		ug/L
3,4-Dimethylcyclopentanone	58372160	26	J	3.11		ug/L
3-Ethylcyclopentanone	10264558	11	J	3.21		ug/L

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-02 Client ID: MW-2

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Vol: 960.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012544.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
2-Cyclopenten-1-one, 2-methyl-	1120736	22	J	3.26		ug/L
2-Cyclopenten-1-one, 2,3,4-trime	28790865	42	J	3.69		ug/L
Cyclohexene, 1-ethyl-	1453243	12	J	3.78		ug/L
Bicyclo[3.3.1]nonane	280659	12	J	4.00		ug/L
Benzene, 2-ethenyl-1,3-dimethyl-	2039909	19	J	4.09		ug/L
Benzenemethanol, .alpha.,4-dim	536505	10	J	4.19		ug/L
Benzene, 1-ethenyl-3-methyl-	100801	9.0	J	4.38		ug/L
Methanamine, N-(1-phenylethyli	6907717	30	J	4.43		ug/L
3-Buten-2-ol, 4-phenyl-	17488652	18	J	4.59		ug/L
1H-Inden-1-one, 2,3-dihydro-	83330	26	J	4.65		ug/L
Benzene, (1-methylenepropyl)-	2039932	9.0	J	4.71		ug/L
1H-Inden-1-one, 2,3-dihydro-3-me	6072577	31	J	4.78		ug/L
Benzoic acid, 2,5-dimethyl-	610720	11	J	4.85		ug/L
1(2H)-Naphthalenone, 3,4-dihydr	529340	10	J	5.01		ug/L
Naphth[1,2-b]oxirene, 1a,2,3,7b-t	2461349	24	J	5.13		ug/L
Ethyl 4-methylbenzoate	94086	13	J	5.16		ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-02RE	Client ID:	MW-2RE
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/15/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012647.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	960.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	10	1.7	ug/L
Phenol	108-95-2	0	U	10	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330	U	10	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	10	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	10	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.830	U	10	0.830	ug/L
Acetophenone	98-86-2	< 0.550	U	10	0.550	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	10	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	10	0.770	ug/L
Hexachloroethane	67-72-1	< 0.910	U	10	0.910	ug/L
Nitrobenzene	98-95-3	< 0.380	U	10	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	10	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	10	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.460	U	10	0.460	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.440	U	10	0.440	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290	U	10	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	10	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	10	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	10	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	10	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	10	0.300	ug/L
2-Methylnaphthalene	91-57-6	< 0.500	U	10	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.450 UJ	U	10	0.450	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.280	U	10	0.280	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.580	U	10	0.580	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	10	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	10	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	10	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	10	0.260	ug/L
Acenaphthylene	208-96-8	< 0.430	U	10	0.430	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-02RE	Client ID:	MW-2RE
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/15/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012647.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Wol:	960.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.410	U	10	0.410	ug/L
3-Nitroaniline	99-09-2	< 1.0	U	10	1.0	ug/L
Acenaphthene	83-32-9	< 0.240	U	10	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190 UJ	U	10	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.940	U	10	0.940	ug/L
Dibenzofuran	132-64-9	< 0.310	U	10	0.310	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	10	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	10	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.360	U	10	0.360	ug/L
Fluorene	86-73-7	< 0.170	U	10	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.830	U	10	0.830	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.4	U	10	1.4	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	10	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	10	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	10	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	10	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	10	0.390	ug/L
Phenanthrene	85-01-8	< 0.270	U	10	0.270	ug/L
Anthracene	120-12-7	< 0.160	U	10	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	10	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.098	U	10	0.098	ug/L
Fluoranthene	206-44-0	< 0.210	U	10	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	10	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	10	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	10	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.220	U	10	0.220	ug/L
Chrysene	218-01-9	< 0.380	U	10	0.380	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 0.340	U	10	0.340	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	10	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230 UJ	U	10	0.230	ug/L

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-02RE	Client ID:	MW-2RE
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/15/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012647.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	960.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.380 U J	U	10	0.380	ug/L
Benzo(a)pyrene	50-32-8	< 0.450 U J	U	10	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	10	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290 U J	U	10	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.420 U J	U	10	0.420	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	76.4	25 %	21 - 100		SPK: 30C
Phenol-d5	13127-88-3	50.51	17 %	10 - 94		SPK: 30C
Nitrobenzene-d5	4165-60-0	132.17	66 %	35 - 114		SPK: 20C
2-Fluorobiphenyl	321-60-8	131.31	66 %	43 - 116		SPK: 20C
2,4,6-Tribromophenol	118-79-6	195.01	65 %	10 - 123		SPK: 30C
Terphenyl-d14	1718-51-0	134.03	67 %	33 - 141		SPK: 20C
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	306438	3.47			
Naphthalene-d8	1146-65-2	1130822	4.25			
Acenaphthene-d10	15067-26-2	647192	5.37			
Phenanthrene-d10	1517-22-2	1043671	6.44			
Chrysene-d12	1719-03-5	987474	8.81			
Perylene-d12	1520-96-3	715761	10.50			

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-04	**Client ID:**	MW-4
Date Collected:	6/30/2004	**Date Received:**	7/2/2004
Date Analyzed:	7/13/2004	**Matrix:**	WATER
Date Extracted:	7/7/2004	**File ID:**	BE012550.D
Dilution:	1	**Instrument ID:**	BNAE
Analytical Method:	8270	**Analytical Run ID:**	BE071204
Sample Wt/Wol:	950.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	11	1.7	ug/L
Phenol	108-95-2	< 0.430	U	11	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330	U	11	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	11	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	11	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.840	U	11	0.840	ug/L
Acetophenone	98-86-2	< 0.560	U	11	0.560	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	11	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	11	0.770	ug/L
Hexachloroethane	67-72-1	< 0.920	U	11	0.920	ug/L
Nitrobenzene	98-95-3	< 0.380	U	11	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	11	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	11	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.470	U	11	0.470	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.450	U	11	0.450	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290	U	11	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	11	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	11	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	11	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	11	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	11	0.300	ug/L
2-Methylnaphthalene	91-57-6	130	E	11	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.460 UJ	U	11	0.460	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.290	U	11	0.290	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.590	U	11	0.590	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	11	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	11	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	11	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	11	0.260	ug/L
Acenaphthylene	208-96-8	< 0.440	U	11	0.440	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-04 Client ID: MW-4

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/13/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BE012550.D
Dilution: 1 Instrument ID: BNAE
Analytical Method: 8270 Analytical Run ID: BE071204
Sample Wt/Wol: 950.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16066B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.420	U	11	0.420	ug/L
3-Nitroaniline	99-09-2	< 1.1	U	11	1.1	ug/L
Acenaphthene	83-32-9	6.5	J	11	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	11	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.950	U	11	0.950	ug/L
Dibenzofuran	132-64-9	3.2	J	11	0.320	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	11	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	11	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.370	U	11	0.370	ug/L
Fluorene	86-73-7	7.3	J	11	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.840	U	11	0.840	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.5	U	11	1.5	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	11	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	11	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	11	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	11	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	11	0.390	ug/L
Phenanthrene	85-01-8	2.8	J	11	0.280	ug/L
Anthracene	120-12-7	< 0.160	U	11	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	11	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.099	U	11	0.099	ug/L
Fluoranthene	206-44-0	< 0.210	U	11	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	11	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	11	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	11	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.230	U	11	0.230	ug/L
Chrysene	218-01-9	< 0.390	U	11	0.390	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	1.1	J	11	0.350	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	11	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230	U	11	0.230	ug/L

Chemtech Consulting Group

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-04	Client ID:	MW-4
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/13/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012550.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	950.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.390	U	11	0.390	ug/L
Benzo(a)pyrene	50-32-8	< 0.450	U	11	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	11	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290	U	11	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.430	U	11	0.430	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	94.99	32 %	21 - 100		SPK: 30C
Phenol-d5	13127-88-3	62.71	21 %	10 - 94		SPK: 30C
Nitrobenzene-d5	4165-60-0	126.63	63 %	35 - 114		SPK: 20C
2-Fluorobiphenyl	321-60-8	137.83	69 %	43 - 116		SPK: 20C
2,4,6-Tribromophenol	118-79-6	179.11	60 %	10 - 123		SPK: 30C
Terphenyl-d14	1718-51-0	125.79	63 %	33 - 141		SPK: 20C
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	251279	3.49			
Naphthalene-d8	1146-65-2	1002068	4.27			
Acenaphthene-d10	15067-26-2	578638	5.37			
Phenanthrene-d10	1517-22-2	871267	6.36			
Chrysene-d12	1719-03-5	958800	8.47			
Perylene-d12	1520-96-3	948739	10.10			
TENTITIVE IDENTIFIED COMPOUNDS						
Benzene, 4-ethyl-1,2-dimethyl-	934805	65	J	3.79		ug/L
Benzene, 1,2,4,5-tetramethyl-	95932	18	J	3.93		ug/L
Cyclohexane, pentyl-	4292926	4.4	J	3.99		ug/L
1H-Indene, 2,3-dihydro-5-methyl-	874351	22	J	4.05		ug/L
Benzene, 1-methyl-4-(2-propenyl)-	3333139	56	J	4.09		ug/L
Benzene, 1-pentenyl-	826186	21	J	4.42		ug/L
1H-Indene, 2,3-dihydro-1,2-dimet	17057828	15	J	4.48		ug/L
Benzo[b]thiophene, 2,3-dihydro-	4565326	36	J	4.56		ug/L
Unknown		22	J	4.61		ug/L

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-04	Client ID:	MW-4
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/13/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012550.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	950.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
Naphthalene, 1,2,3,4-tetrahydro-5-	2809645	18	J	4.67		ug/L
Naphthalene, 1-methyl-	90120	8.3	J	4.70		ug/L
Dodecane, 2,6,11-trimethyl-	31295564	17	J	4.84		ug/L
Naphthalene, 1,2,3,4-tetrahydro-5,	20027774	6.6	J	5.01		ug/L
Naphthalene, 2,6-dimethyl-	581420	49	J	5.09		ug/L
Naphthalene, 2,7-dimethyl-	582161	77	J	5.14		ug/L
Naphthalene, 2,3-dimethyl-	581408	17	J	5.21		ug/L
Naphthalene, 2-ethyl-	939275	8.1	J	5.27		ug/L
Naphthalene, 2,3,6-trimethyl-	829265	8.3	J	5.56		ug/L
Benzene, (1-ethyl-2-propenyl)-	19947229	11	J	5.59		ug/L
Naphthalene, 1,4,5-trimethyl-	2131411	7.6	J	5.62		ug/L
Azulene, 7-ethyl-1,4-dimethyl-	529055	5.4	J	5.95		ug/L
Tetradecane	629594	7.1	J	6.21		ug/L
[1,1-Biphenyl]-4-carboxaldehyde	3218368	6.9	J	6.45		ug/L
Phenanthrene, 2-methyl-	2531842	5.0	J	6.80		ug/L
Oleic Acid	112801	6.0	J	7.24		ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-04DL	Client ID:	MW-4DL
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/14/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012609.D
Dilution:	5	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	950.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 8.7	UD	53	8.7	ug/L
Phenol	108-95-2	< 2.2	UD	53	2.2	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 1.6	UD	53	1.6	ug/L
2-Chlorophenol	95-57-8	< 3.7	UD	53	3.7	ug/L
2-Methylphenol	95-48-7	< 5.7	UD	53	5.7	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 4.2	UD	53	4.2	ug/L
Acetophenone	98-86-2	< 2.8	UD	53	2.8	ug/L
3+4-Methylphenols	106-44-5	< 5.5	UD	53	5.5	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 3.9	UD	53	3.9	ug/L
Hexachloroethane	67-72-1	< 4.6	UD	53	4.6	ug/L
Nitrobenzene	98-95-3	< 1.9	UD	53	1.9	ug/L
Isophorone	78-59-1	< 2.4	UD	53	2.4	ug/L
2-Nitrophenol	88-75-5	< 1.3	UD	53	1.3	ug/L
2,4-Dimethylphenol	105-67-9	< 2.3	UD	53	2.3	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 2.2	UD	53	2.2	ug/L
2,4-Dichlorophenol	120-83-2	< 1.5	UD	53	1.5	ug/L
Naphthalene	91-20-3	< 1.4	UD	53	1.4	ug/L
4-Chloroaniline	106-47-8	< 21	UD	53	21	ug/L
Hexachlorobutadiene	87-68-3	< 1.9	UD	53	1.9	ug/L
Caprolactam	105-60-2	< 2.6	UD	53	2.6	ug/L
4-Chloro-3-methylphenol	59-50-7	< 1.5	UD	53	1.5	ug/L
2-Methylnaphthalene	91-57-6	130	D	53	2.5	ug/L
Hexachlorocyclopentadiene	77-47-4	< 2.3 UJ	UD	53	2.3	ug/L
2,4,6-Trichlorophenol	88-06-2	< 1.4	UD	53	1.4	ug/L
2,4,5-Trichlorophenol	95-95-4	< 2.9	UD	53	2.9	ug/L
1,1-Biphenyl	92-52-4	< 1.4	UD	53	1.4	ug/L
2-Chloronaphthalene	91-58-7	< 1.9	UD	53	1.9	ug/L
2-Nitroaniline	88-74-4	< 1.5	UD	53	1.5	ug/L
Dimethylphthalate	131-11-3	< 1.3	UD	53	1.3	ug/L
Acenaphthylene	208-96-8	< 2.2	UD	53	2.2	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-04DL | Client ID: MW-4DL

Date Collected: 6/30/2004
Date Analyzed: 7/14/2004
Date Extracted: 7/7/2004
Dilution: 5
Analytical Method: 8270
Sample Wt/Vol: 950.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012609.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 2.1	UD	53	2.1	ug/L
3-Nitroaniline	99-09-2	< 5.3	UD	53	5.3	ug/L
Acenaphthene	83-32-9	5.8	JD	53	1.2	ug/L
2,4-Dinitrophenol	51-28-5	< 0.940	UD	53	0.940	ug/L
4-Nitrophenol	100-02-7	< 4.7	UD	53	4.7	ug/L
Dibenzofuran	132-64-9	< 1.6	UD	53	1.6	ug/L
2,4-Dinitrotoluene	121-14-2	< 1.7	UD	53	1.7	ug/L
Diethylphthalate	84-66-2	< 1.7	UD	53	1.7	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 1.8	UD	53	1.8	ug/L
Fluorene	86-73-7	5.8	JD	53	0.870	ug/L
4-Nitroaniline	100-01-6	< 4.2	UD	53	4.2	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 7.3	UD	53	7.3	ug/L
N-Nitrosodiphenylamine	86-30-6	< 1.4	UD	53	1.4	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.860	UD	53	0.860	ug/L
Hexachlorobenzene	118-74-1	< 1.2	UD	53	1.2	ug/L
Atrazine	1912-24-9	< 2.4	UD	53	2.4	ug/L
Pentachlorophenol	87-86-5	< 2.0	UD	53	2.0	ug/L
Phenanthrene	85-01-8	< 1.4	UD	53	1.4	ug/L
Anthracene	120-12-7	< 0.800	UD	53	0.800	ug/L
Carbazole	86-74-8	< 1.6	UD	53	1.6	ug/L
Di-n-butylphthalate	84-74-2	< 0.490	UD	53	0.490	ug/L
Fluoranthene	206-44-0	< 1.1	UD	53	1.1	ug/L
Pyrene	129-00-0	< 1.2	UD	53	1.2	ug/L
Butylbenzylphthalate	85-68-7	< 1.5	UD	53	1.5	ug/L
3,3-Dichlorobenzidine	91-94-1	< 8.0	UD	53	8.0	ug/L
Benzo(a)anthracene	56-55-3	< 1.1	UD	53	1.1	ug/L
Chrysene	218-01-9	< 1.9	UD	53	1.9	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 1.7	UD	53	1.7	ug/L
Di-n-octyl phthalate	117-84-0	< 0.870	UD	53	0.870	ug/L
Benzo(b)fluoranthene	205-99-2	< 1.2	UD	53	1.2	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-04DL	Client ID:	MW-4DL
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/14/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012609.D
Dilution:	5	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	950.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 1.9	UD	53	1.9	ug/L
Benzo(a)pyrene	50-32-8	< 2.3	UD	53	2.3	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 1.5	UD	53	1.5	ug/L
Dibenz(a,h)anthracene	53-70-3	< 1.5	UD	53	1.5	ug/L
Benzo(g,h,i)perylene	191-24-2	< 2.1	UD	53	2.1	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	52.45	17 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	54.75	18 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	100.5	50 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	134.85	67 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	206.85	69 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	180.05	90 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	236260	3.48			
Naphthalene-d8	1146-65-2	1031665	4.26			
Acenaphthene-d10	15067-26-2	615870	5.36			
Phenanthrene-d10	1517-22-2	1056184	6.35			
Chrysene-d12	1719-03-5	958418	8.48			
Perylene-d12	1520-96-3	967623	10.11			

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-21 Client ID: EB-1

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Vol: 940.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012538.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.8	U	11	1.8	ug/L
Phenol	108-95-2	< 0.440	U	11	0.440	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330	U	11	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.740	U	11	0.740	ug/L
2-Methylphenol	95-48-7	< 1.2	U	11	1.2	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.850	U	11	0.850	ug/L
Acetophenone	98-86-2	< 0.560	U	11	0.560	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	11	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.780	U	11	0.780	ug/L
Hexachloroethane	67-72-1	< 0.930	U	11	0.930	ug/L
Nitrobenzene	98-95-3	< 0.380	U	11	0.380	ug/L
Isophorone	78-59-1	< 0.490	U	11	0.490	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	11	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.470	U	11	0.470	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.450	U	11	0.450	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290	U	11	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	11	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.2	U	11	4.2	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	11	0.380	ug/L
Caprolactam	105-60-2	< 0.520	U	11	0.520	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.310	U	11	0.310	ug/L
2-Methylnaphthalene	91-57-6	< 0.510	U	11	0.510	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.460 UJ	U	11	0.460	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.290	U	11	0.290	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.590	U	11	0.590	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	11	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	11	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	11	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	11	0.260	ug/L
Acenaphthylene	208-96-8	< 0.440	U	11	0.440	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-21

Client ID: EB-1

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Wol: 940.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012538.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.420	U	11	0.420	ug/L
3-Nitroaniline	99-09-2	< 1.1	U	11	1.1	ug/L
Acenaphthene	83-32-9	< 0.240	U	11	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	11	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.960	U	11	0.960	ug/L
Dibenzofuran	132-64-9	< 0.320	U	11	0.320	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	11	0.340	ug/L
Diethylphthalate	84-66-2	< 0.350	U	11	0.350	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.370	U	11	0.370	ug/L
Fluorene	86-73-7	< 0.180	U	11	0.180	ug/L
4-Nitroaniline	100-01-6	< 0.850	U	11	0.850	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.5	U	11	1.5	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.290	U	11	0.290	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	11	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.240	U	11	0.240	ug/L
Atrazine	1912-24-9	< 0.490	U	11	0.490	ug/L
Pentachlorophenol	87-86-5	< 0.400	U	11	0.400	ug/L
Phenanthrene	85-01-8	< 0.280	U	11	0.280	ug/L
Anthracene	120-12-7	< 0.160	U	11	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	11	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.100	U	11	0.100	ug/L
Fluoranthene	206-44-0	< 0.210	U	11	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	11	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	11	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	11	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.230	U	11	0.230	ug/L
Chrysene	218-01-9	< 0.390	U	11	0.390	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 0.350	U	11	0.350	ug/L
Di-n-octyl phthalate	117-84-0	< 0.180	U	11	0.180	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.240	U	11	0.240	ug/L

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SVOC

SDG No.: S3421
Client: Plumley Engineering, P.C.

Sample ID: S3421-21
Client ID: EB-1

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Vol: 940.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012538.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.390	U	11	0.390	ug/L
Benzo(a)pyrene	50-32-8	< 0.460	U	11	0.460	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.300	U	11	0.300	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.300	U	11	0.300	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.430	U	11	0.430	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	83.6	28 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	58.68	20 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	158.7	79 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	140.3	70 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	202.69	68 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	146.75	73 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	218322	3.49			
Naphthalene-d8	1146-65-2	857334	4.27			
Acenaphthene-d10	15067-26-2	479051	5.36			
Phenanthrene-d10	1517-22-2	826638	6.34			
Chrysene-d12	1719-03-5	784945	8.42			
Perylene-d12	1520-96-3	742471	10.04			
TENTITIVE IDENTIFIED COMPOUNDS						ug/L
ACP		~~4.2~~	~~AB~~ U	2.53		

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-22 Client ID: MW-13

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/13/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BE012551.D
Dilution: 1 Instrument ID: BNAE
Analytical Method: 8270 Analytical Run ID: BE071204
Sample Wt/Vol: 950.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16066B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	11	1.7	ug/L
Phenol	108-95-2	< 0.430	U	11	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330	U	11	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	11	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	11	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.840	U	11	0.840	ug/L
Acetophenone	98-86-2	< 0.560	U	11	0.560	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	11	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	11	0.770	ug/L
Hexachloroethane	67-72-1	< 0.920	U	11	0.920	ug/L
Nitrobenzene	98-95-3	< 0.380	U	11	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	11	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	11	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.470	U	11	0.470	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.450	U	11	0.450	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290	U	11	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	11	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	11	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	11	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	11	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	11	0.300	ug/L
2-Methylnaphthalene	91-57-6	< 0.500	U	11	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.460 U5	U	11	0.460	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.290	U	11	0.290	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.590	U	11	0.590	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	11	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	11	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	11	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	11	0.260	ug/L
Acenaphthylene	208-96-8	< 0.440	U	11	0.440	ug/L

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SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID: S3421-22

Client ID: MW-13

Date Collected: 6/30/2004
Date Analyzed: 7/13/2004
Date Extracted: 7/7/2004
Dilution: 1
Analytical Method: 8270
Sample Wt/Vol: 950.0
Injection Vol: 2
Associated Blank: PB16066B

Date Received: 7/2/2004
Matrix: WATER
File ID: BE012551.D
Instrument ID: BNAE
Analytical Run ID: BE071204
Extract Vol: 1000
% Moisture: 100

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.420	U	11	0.420	ug/L
3-Nitroaniline	99-09-2	< 1.1	U	11	1.1	ug/L
Acenaphthene	83-32-9	< 0.240	U	11	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	11	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.950	U	11	0.950	ug/L
Dibenzofuran	132-64-9	< 0.320	U	11	0.320	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	11	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	11	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.370	U	11	0.370	ug/L
Fluorene	86-73-7	< 0.170	U	11	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.840	U	11	0.840	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.5	U	11	1.5	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	11	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	11	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	11	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	11	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	11	0.390	ug/L
Phenanthrene	85-01-8	< 0.280	U	11	0.280	ug/L
Anthracene	120-12-7	< 0.160	U	11	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	11	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.099	U	11	0.099	ug/L
Fluoranthene	206-44-0	< 0.210	U	11	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	11	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	11	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	11	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.230	U	11	0.230	ug/L
Chrysene	218-01-9	< 0.390	U	11	0.390	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	1.1	J	11	0.350	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	11	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230	U	11	0.230	ug/L

Chemtech Consulting Group

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-22	Client ID:	MW-13
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/13/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BE012551.D
Dilution:	1	Instrument ID:	BNAE
Analytical Method:	8270	Analytical Run ID:	BE071204
Sample Wt/Vol:	950.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.390	U	11	0.390	ug/L
Benzo(a)pyrene	50-32-8	< 0.450	U	11	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	11	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290	U	11	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.430	U	11	0.430	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	51.36	17 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	31.32	10 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	100.74	50 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	88.39	44 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	145.07	48 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	84.45	42 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	239592	3.49			
Naphthalene-d8	1146-65-2	964420	4.26			
Acenaphthene-d10	15067-26-2	591908	5.36			
Phenanthrene-d10	1517-22-2	1011497	6.35			
Chrysene-d12	1719-03-5	969582	8.41			
Perylene-d12	1520-96-3	969899	10.03			
TENTITIVE IDENTIFIED COMPOUNDS						
Benzene, 1-ethyl-2,4-dimethyl-	874419	4.1	J	3.79		ug/L
Benzene, 1,2,4,5-tetramethyl-	95932	3.2	J	3.95		ug/L
Benzene, 2-ethenyl-1,3-dimethyl-	2039909	3.3	J	4.05		ug/L
Benzene, 2-ethenyl-1,4-dimethyl-	2039896	8.5	J	4.09		ug/L
Benzene, pentamethyl-	700129	3.1	J	4.34		ug/L
Cyclohexanecarboxylic acid, 1-et	4630813	10	J	4.42		ug/L
1H-Indene, 2,3-dihydro-1,2-dimet	17057828	4.0	J	4.48		ug/L
Benzene, (3-methyl-2-butenyl)-	4489843	4.9	J	4.54		ug/L
1-Adamantanol	768956	2.6	J	4.58		ug/L

SVOC

SDG No.: S3421

Client: Plumley Engineering, P.C.

Sample ID:	S3421-22	**Client ID:**	MW-13
Date Collected:	6/30/2004	**Date Received:**	7/2/2004
Date Analyzed:	7/13/2004	**Matrix:**	WATER
Date Extracted:	7/7/2004	**File ID:**	BE012551.D
Dilution:	1	**Instrument ID:**	BNAE
Analytical Method:	8270	**Analytical Run ID:**	BE071204
Sample Wt/Wol:	950.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB16066B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
1H-Indene, 2,3-dihydro-4,7-dimet	6682719	2.7	J	4.61		ug/L
Benzo[b]thiophene, 2-methyl-	1195148	7.2	J	4.68		ug/L
2-Propenoic acid, 3-phenyl-, (E)-	140103	14	J	4.77		ug/L
Dextro-camphoric acid	124834	5.1	J	4.82		ug/L
Naphthalene, 1,2,3,4-tetrahydro-1,	4175546	4.6	J	5.01		ug/L
Benzo[b]thiophene, 2,7-dimethyl-	16587409	3.6	J	5.10		ug/L
Bicyclo[3.3.1]nonan-9-ol	15598808	2.7	J	5.14		ug/L
Benzonitrile, 4-ethoxy-	25117742	3.2	J	5.17		ug/L
trans-Syn-cis-tricyclo[7.3.0.0(2,6)]	73306771	2.3	J	5.27		ug/L
1-Adamantanemethanol	770718	2.1	J	5.52		ug/L
Indole-2-one, 2,3-dihydro-5-hydrox	0	6.8	J	5.57		ug/L
2H-Quinolizine, 1,3,4,6,7,9a-hexa	1004906	2.9	J	5.73		ug/L
4H-1-Benzopyran-4-one, 2,3-dih	17771334	3.2	J	5.76		ug/L
Tricyclo[2.2.1.0(2,6)]heptane, 1,7-	512618	2.6	J	6.12		ug/L
Decanoic acid	334485	3.2	J	6.68		ug/L
Oleic Acid	112801	5.5	J	7.21		ug/L

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SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID:	S3422-06	Client ID:	MW-12
Date Collected:	6/30/2004	Date Received:	7/2/2004
Date Analyzed:	7/12/2004	Matrix:	WATER
Date Extracted:	7/7/2004	File ID:	BA012608.D
Dilution:	1	Instrument ID:	BNAA
Analytical Method:	8270	Analytical Run ID:	BA070904
Sample Wt/Wol:	960.0	Extract Vol:	1000
Injection Vol:	2	% Moisture:	100
Associated Blank:	PB16031B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	10	1.7	ug/L
Phenol	108-95-2	< 0.430	U	10	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330 UJ	U	10	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	10	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	10	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.830 UJ	U	10	0.830	ug/L
Acetophenone	98-86-2	< 0.550	U	10	0.550	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	10	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	10	0.770	ug/L
Hexachloroethane	67-72-1	< 0.910	U	10	0.910	ug/L
Nitrobenzene	98-95-3	< 0.380	U	10	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	10	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	10	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.460	U	10	0.460	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.440	U	10	0.440	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290 UJ	U	10	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	10	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	10	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	10	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	10	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	10	0.300	ug/L
2-Methylnaphthalene	91-57-6	< 0.500	U	10	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.450	U	10	0.450	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.280	U	10	0.280	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.580	U	10	0.580	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	10	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	10	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	10	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	10	0.260	ug/L
Acenaphthylene	208-96-8	< 0.430	U	10	0.430	ug/L

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SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-06 Client ID: MW-12

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/12/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BA012608.D
Dilution: 1 Instrument ID: BNAA
Analytical Method: 8270 Analytical Run ID: BA070904
Sample Wt/Vol: 960.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16031B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.410	U	10	0.410	ug/L
3-Nitroaniline	99-09-2	< 1.0	U	10	1.0	ug/L
Acenaphthene	83-32-9	< 0.240	U	10	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	10	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.940	U	10	0.940	ug/L
Dibenzofuran	132-64-9	< 0.310	U	10	0.310	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	10	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	10	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.360	U	10	0.360	ug/L
Fluorene	86-73-7	< 0.170	U	10	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.830	U	10	0.830	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.4	U	10	1.4	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	10	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	10	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	10	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	10	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	10	0.390	ug/L
Phenanthrene	85-01-8	< 0.270	U	10	0.270	ug/L
Anthracene	120-12-7	< 0.160	U	10	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	10	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.098	U	10	0.098	ug/L
Fluoranthene	206-44-0	< 0.210	U	10	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	10	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	10	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	10	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.220	U	10	0.220	ug/L
Chrysene	218-01-9	< 0.380	U	10	0.380	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 0.340	U	10	0.340	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	10	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230	U	10	0.230	ug/L

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SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-06 Client ID: MW-12

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/12/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BA012608.D
Dilution: 1 Instrument ID: BNAA
Analytical Method: 8270 Analytical Run ID: BA070904
Sample Wt/Vol: 960.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16031B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.380	U	10	0.380	ug/L
Benzo(a)pyrene	50-32-8	< 0.450	U	10	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	10	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290	U	10	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.420	U	10	0.420	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	98.62	33 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	57.18	19 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	221.07	111 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	235.46	118 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	279.23	93 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	193.62	97 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	311661	6.92			
Naphthalene-d8	1146-65-2	682448	9.29			
Acenaphthene-d10	15067-26-2	349148	12.75			
Phenanthrene-d10	1517-22-2	604933	15.70			
Chrysene-d12	1719-03-5	756767	21.00			
Perylene-d12	1520-96-3	790243	23.97			
TENTITIVE IDENTIFIED COMPOUNDS						
ACP		~~5.4~~	~~AB~~	~~4.22~~		ug/L

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SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-07 Client ID: MW-14

Date Collected: 6/30/2004 Date Received: 7/2/2004
Date Analyzed: 7/12/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BA012585.D
Dilution: 1 Instrument ID: BNAA
Analytical Method: 8270 Analytical Run ID: BA070904
Sample Wt/Wol: 950.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16031B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Naphthalene	91-20-3	< 0.270 U J	U	11	0.270	ug/L
Acenaphthene	83-32-9	3.1 J	J	11	0.240	ug/L
Fluorene	86-73-7	2.4 J	J	11	0.170	ug/L
Phenanthrene	85-01-8	< 0.280 U J	U	11	0.280	ug/L
Anthracene	120-12-7	< 0.160	U	11	0.160	ug/L
Fluoranthene	206-44-0	< 0.210	U	11	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	11	0.250	ug/L
Benzo(a)anthracene	56-55-3	< 0.230	U	11	0.230	ug/L
Chrysene	218-01-9	< 0.390	U	11	0.390	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230	U	11	0.230	ug/L
Benzo(k)fluoranthene	207-08-9	< 0.390	U	11	0.390	ug/L
Benzo(a)pyrene	50-32-8	< 0.450	U	11	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	11	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290	U	11	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.430	U	11	0.430	ug/L
SURROGATES						
Nitrobenzene-d5	4165-60-0	261.13	131 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	285.56	143 %	43 - 116		SPK: 200
Terphenyl-d14	1718-51-0	304.69	152 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	215353	6.79			
Naphthalene-d8	1146-65-2	497063	9.15			
Acenaphthene-d10	15067-26-2	261122	12.62			
Phenanthrene-d10	1517-22-2	484444	15.58			
Chrysene-d12	1719-03-5	518699	20.91			
Perylene-d12	1520-96-3	513009	23.85			

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SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID: S3422-13 Client ID: EB-2

Date Collected: 7/1/2004 Date Received: 7/2/2004
Date Analyzed: 7/11/2004 Matrix: WATER
Date Extracted: 7/7/2004 File ID: BA012571.D
Dilution: 1 Instrument ID: BNAA
Analytical Method: 8270 Analytical Run ID: BA070904
Sample Wt/Wol: 960.0 Extract Vol: 1000
Injection Vol: 2 % Moisture: 100
Associated Blank: PB16031B

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzaldehyde	100-52-7	< 1.7	U	10	1.7	ug/L
Phenol	108-95-2	< 0.430	U	10	0.430	ug/L
bis(2-Chloroethyl)ether	111-44-4	< 0.330 UJ	U	10	0.330	ug/L
2-Chlorophenol	95-57-8	< 0.730	U	10	0.730	ug/L
2-Methylphenol	95-48-7	< 1.1	U	10	1.1	ug/L
2,2-oxybis(1-Chloropropane)	108-60-1	< 0.830 UJ	U	10	0.830	ug/L
Acetophenone	98-86-2	< 0.550	U	10	0.550	ug/L
3+4-Methylphenols	106-44-5	< 1.1	U	10	1.1	ug/L
N-Nitroso-di-n-propylamine	621-64-7	< 0.770	U	10	0.770	ug/L
Hexachloroethane	67-72-1	< 0.910	U	10	0.910	ug/L
Nitrobenzene	98-95-3	< 0.380	U	10	0.380	ug/L
Isophorone	78-59-1	< 0.480	U	10	0.480	ug/L
2-Nitrophenol	88-75-5	< 0.270	U	10	0.270	ug/L
2,4-Dimethylphenol	105-67-9	< 0.460	U	10	0.460	ug/L
bis(2-Chloroethoxy)methane	111-91-1	< 0.440	U	10	0.440	ug/L
2,4-Dichlorophenol	120-83-2	< 0.290 UJ	U	10	0.290	ug/L
Naphthalene	91-20-3	< 0.270	U	10	0.270	ug/L
4-Chloroaniline	106-47-8	< 4.1	U	10	4.1	ug/L
Hexachlorobutadiene	87-68-3	< 0.380	U	10	0.380	ug/L
Caprolactam	105-60-2	< 0.510	U	10	0.510	ug/L
4-Chloro-3-methylphenol	59-50-7	< 0.300	U	10	0.300	ug/L
2-Methylnaphthalene	91-57-6	< 0.500	U	10	0.500	ug/L
Hexachlorocyclopentadiene	77-47-4	< 0.450	U	10	0.450	ug/L
2,4,6-Trichlorophenol	88-06-2	< 0.280	U	10	0.280	ug/L
2,4,5-Trichlorophenol	95-95-4	< 0.580	U	10	0.580	ug/L
1,1-Biphenyl	92-52-4	< 0.270	U	10	0.270	ug/L
2-Chloronaphthalene	91-58-7	< 0.390	U	10	0.390	ug/L
2-Nitroaniline	88-74-4	< 0.300	U	10	0.300	ug/L
Dimethylphthalate	131-11-3	< 0.260	U	10	0.260	ug/L
Acenaphthylene	208-96-8	< 0.430	U	10	0.430	ug/L

Chemtech Consulting Group

SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID:	S3422-13	**Client ID:**	EB-2
Date Collected:	7/1/2004	**Date Received:**	7/2/2004
Date Analyzed:	7/11/2004	**Matrix:**	WATER
Date Extracted:	7/7/2004	**File ID:**	BA012571.D
Dilution:	1	**Instrument ID:**	BNAA
Analytical Method:	8270	**Analytical Run ID:**	BA070904
Sample Wt/Wol:	960.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB16031B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
2,6-Dinitrotoluene	606-20-2	< 0.410	U	10	0.410	ug/L
3-Nitroaniline	99-09-2	< 1.0	U	10	1.0	ug/L
Acenaphthene	83-32-9	< 0.240	U	10	0.240	ug/L
2,4-Dinitrophenol	51-28-5	< 0.190	U	10	0.190	ug/L
4-Nitrophenol	100-02-7	< 0.940	U	10	0.940	ug/L
Dibenzofuran	132-64-9	< 0.310	U	10	0.310	ug/L
2,4-Dinitrotoluene	121-14-2	< 0.340	U	10	0.340	ug/L
Diethylphthalate	84-66-2	< 0.340	U	10	0.340	ug/L
4-Chlorophenyl-phenylether	7005-72-3	< 0.360	U	10	0.360	ug/L
Fluorene	86-73-7	< 0.170	U	10	0.170	ug/L
4-Nitroaniline	100-01-6	< 0.830	U	10	0.830	ug/L
4,6-Dinitro-2-methylphenol	534-52-1	< 1.4	U	10	1.4	ug/L
N-Nitrosodiphenylamine	86-30-6	< 0.280	U	10	0.280	ug/L
4-Bromophenyl-phenylether	101-55-3	< 0.170	U	10	0.170	ug/L
Hexachlorobenzene	118-74-1	< 0.230	U	10	0.230	ug/L
Atrazine	1912-24-9	< 0.480	U	10	0.480	ug/L
Pentachlorophenol	87-86-5	< 0.390	U	10	0.390	ug/L
Phenanthrene	85-01-8	< 0.270	U	10	0.270	ug/L
Anthracene	120-12-7	< 0.160	U	10	0.160	ug/L
Carbazole	86-74-8	< 0.310	U	10	0.310	ug/L
Di-n-butylphthalate	84-74-2	< 0.098	U	10	0.098	ug/L
Fluoranthene	206-44-0	< 0.210	U	10	0.210	ug/L
Pyrene	129-00-0	< 0.250	U	10	0.250	ug/L
Butylbenzylphthalate	85-68-7	< 0.300	U	10	0.300	ug/L
3,3-Dichlorobenzidine	91-94-1	< 1.6	U	10	1.6	ug/L
Benzo(a)anthracene	56-55-3	< 0.220	U	10	0.220	ug/L
Chrysene	218-01-9	< 0.380	U	10	0.380	ug/L
bis(2-Ethylhexyl)phthalate	117-81-7	< 0.340	U	10	0.340	ug/L
Di-n-octyl phthalate	117-84-0	< 0.170	U	10	0.170	ug/L
Benzo(b)fluoranthene	205-99-2	< 0.230	U	10	0.230	ug/L

SVOC

SDG No.: S3422

Client: Plumley Engineering, P.C.

Sample ID:	S3422-13	**Client ID:**	EB-2
Date Collected:	7/1/2004	**Date Received:**	7/2/2004
Date Analyzed:	7/11/2004	**Matrix:**	WATER
Date Extracted:	7/7/2004	**File ID:**	BA012571.D
Dilution:	1	**Instrument ID:**	BNAA
Analytical Method:	8270	**Analytical Run ID:**	BA070904
Sample Wt/Wol:	960.0	**Extract Vol:**	1000
Injection Vol:	2	**% Moisture:**	100
Associated Blank:	PB16031B		

Parameter	CAS Number	Concentration	C	RDL	MDL	Units
TARGETS						
Benzo(k)fluoranthene	207-08-9	< 0.380	U	10	0.380	ug/L
Benzo(a)pyrene	50-32-8	< 0.450	U	10	0.450	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	< 0.290	U	10	0.290	ug/L
Dibenz(a,h)anthracene	53-70-3	< 0.290	U	10	0.290	ug/L
Benzo(g,h,i)perylene	191-24-2	< 0.420	U	10	0.420	ug/L
SURROGATES						
2-Fluorophenol	367-12-4	119.31	40 %	21 - 100		SPK: 300
Phenol-d5	13127-88-3	71.51	24 %	10 - 94		SPK: 300
Nitrobenzene-d5	4165-60-0	235.78	118 %	35 - 114		SPK: 200
2-Fluorobiphenyl	321-60-8	274.89	137 %	43 - 116		SPK: 200
2,4,6-Tribromophenol	118-79-6	239.06	80 %	10 - 123		SPK: 300
Terphenyl-d14	1718-51-0	248.77	124 %	33 - 141		SPK: 200
INTERNAL STANDARDS						
1,4-Dichlorobenzene-d4	3855-82-1	448486	6.80			
Naphthalene-d8	1146-65-2	1028975	9.16			
Acenaphthene-d10	15067-26-2	587970	12.63			
Phenanthrene-d10	1517-22-2	1022382	15.58			
Chrysene-d12	1719-03-5	1045312	20.91			
Perylene-d12	1520-96-3	1083014	23.86			

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3421 **Method Type:** SW846

Sample ID: S3421-02 **Client ID:** MW-2

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3421 **SAS No.:** S3421

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	5.400	ug/L	J		P	4.840	P1	P10713A
7440-39-3	Barium	160	ug/L	J		P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	150000	ug/L			P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	1.560	ug/L	~~J~~ U		P	0.739	P1	P10713A
7439-89-6	Iron	6610	ug/L			P	29.0	P1	P10713A
7439-92-1	Lead	3.320	ug/L	J		P	1.790	P1	P10713A
7439-95-4	Magnesium	18900	ug/L			P	254	P1	P10713A
7439-96-5	Manganese	3390	ug/L	J		P	0.195	P1	P10713A
7439-97-6	Mercury	0.03	ug/L	U		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	21000	ug/L			P	51.0	P1	P10713A
7782-49-2	Selenium	6.880	ug/L	~~J~~ U		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	11800	ug/L	J	N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3421 **Method Type:** SW846

Sample ID: S3421-04 **Client ID:** MW-4

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3421 **SAS No.:** S3421

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	4.840	ug/L	U		P	4.840	P1	P10713A
7440-39-3	Barium	236	ug/L			P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	167000	ug/L			P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	2.060	ug/L	U		P	0.739	P1	P10713A
7439-89-6	Iron	4770	ug/L			P	29.0	P1	P10713A
7439-92-1	Lead	1.790	ug/L	U		P	1.790	P1	P10713A
7439-95-4	Magnesium	11500	ug/L			P	254	P1	P10713A
7439-96-5	Manganese	702	ug/L	J		P	0.195	P1	P10713A
7439-97-6	Mercury	0.03	ug/L	U		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	6900	ug/L			P	51.0	P1	P10713A
7782-49-2	Selenium	5.240	ug/L	U		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	18400	ug/L		J N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3421 **Method Type:** SW846

Sample ID: S3421-21 **Client ID:** EB-1

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3421 **SAS No.:** S3421

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	4.840	ug/L	U		P	4.840	P1	P10713A
7440-39-3	Barium	11.0	ug/L	U		P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	1740	ug/L	U		P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	1.580	ug/L	J		P	0.739	P1	P10713A
7439-89-6	Iron	29.0	ug/L	U		P	29.0	P1	P10713A
7439-92-1	Lead	1.790	ug/L	U		P	1.790	P1	P10713A
7439-95-4	Magnesium	254	ug/L	U		P	254	P1	P10713A
7439-96-5	Manganese	0.690	ug/L	J	J	P	0.195	P1	P10713A
7439-97-6	Mercury	0.03	ug/L	U		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	51.0	ug/L	U		P	51.0	P1	P10713A
7782-49-2	Selenium	6.520	ug/L	J		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	189	ug/L	U	UJ N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3421 **Method Type:** SW846

Sample ID: S3421-22 **Client ID:** MW-13

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3421 **SAS No.:** S3421

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	4.840	ug/L	U		P	4.840	P1	P10713A
7440-39-3	Barium	162	ug/L	J		P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	106000	ug/L			P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	2.230	ug/L	~~J~~ U		P	0.739	P1	P10713A
7439-89-6	Iron	17800	ug/L			P	29.0	P1	P10713A
7439-92-1	Lead	2.100	ug/L	J		P	1.790	P1	P10713A
7439-95-4	Magnesium	14800	ug/L			P	254	P1	P10713A
7439-96-5	Manganese	11000	ug/L	J		P	0.195	P1	P10713A
7439-97-6	Mercury	0.06	ug/L	J		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	12800	ug/L			P	51.0	P1	P10713A
7782-49-2	Selenium	5.240	ug/L	U		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	10200	ug/L	J	N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3422 **Method Type:** SW846

Sample ID: S3422-13 **Client ID:** EB-2

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3422 **SAS No.:** S3422

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	4.840	ug/L	U		P	4.840	P1	P10713A
7440-39-3	Barium	11.0	ug/L	U		P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	1740	ug/L	U		P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	0.739	ug/L	U		P	0.739	P1	P10713A
7439-89-6	Iron	29.0	ug/L	U		P	29.0	P1	P10713A
7439-92-1	Lead	1.790	ug/L	U		P	1.790	P1	P10713A
7439-95-4	Magnesium	254	ug/L	U		P	254	P1	P10713A
7439-96-5	Manganese	1.540	ug/L	J	J	P	0.195	P1	P10713A
7439-97-6	Mercury	0.08	ug/L	J		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	51.0	ug/L	U		P	51.0	P1	P10713A
7782-49-2	Selenium	5.240	ug/L	U		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	189	ug/L	U	J N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Plumley Engineering, P.C. **SDG No.:** S3422 **Method Type:** SW846

Sample ID: S3422-06 **Client ID:** MW-12

Contract: Plumley Engineering, P.C. **Lab Code:** CHEMED **Case No.:** S3422 **SAS No.:** S3422

Matrix: WATER **Date Received:** 7/2/2004 **Level:** LOW

% Solids:

CAS No.	Analyte	Concentration	Units	C	Qual	M	DL	Instrument ID	Analytical Run
7429-90-5	Aluminum	180	ug/L	U		P	180	P1	P10713A
7440-36-0	Antimony	6.600	ug/L	U		P	6.600	P1	P10713A
7440-38-2	Arsenic	4.840	ug/L	U		P	4.840	P1	P10713A
7440-39-3	Barium	269	ug/L			P	11.0	P1	P10713A
7440-41-7	Beryllium	1.060	ug/L	U		P	1.060	P1	P10713A
7440-43-9	Cadmium	0.994	ug/L	U		P	0.994	P1	P10713A
7440-70-2	Calcium	199000	ug/L			P	1740	P1	P10713A
7440-47-3	Chromium	1.220	ug/L	U		P	1.220	P1	P10713A
7440-48-4	Cobalt	2.380	ug/L	U		P	2.380	P1	P10713A
7440-50-8	Copper	1.050	ug/L	J		P	0.739	P1	P10713A
7439-89-6	Iron	2400	ug/L			P	29.0	P1	P10713A
7439-92-1	Lead	1.790	ug/L	U		P	1.790	P1	P10713A
7439-95-4	Magnesium	56900	ug/L			P	254	P1	P10713A
7439-96-5	Manganese	4090	ug/L		J	P	0.195	P1	P10713A
7439-97-6	Mercury	0.03	ug/L	U		CV	0.03	CV1	071204B
7440-02-0	Nickel	5.550	ug/L	U		P	5.550	P1	P10713A
7440-09-7	Potassium	24400	ug/L			P	51.0	P1	P10713A
7782-49-2	Selenium	5.240	ug/L	U		P	5.240	P1	P10713A
7440-22-4	Silver	3.380	ug/L	U	N	P	3.380	P1	P10713A
7440-23-5	Sodium	430000	ug/L		J N	P	189	P1	P10713A
7440-28-0	Thallium	5.780	ug/L	U		P	5.780	P1	P10713A
7440-62-2	Vanadium	1.860	ug/L	U		P	1.860	P1	P10713A
7440-66-6	Zinc	8.110	ug/L	U		P	8.110	P1	P10713A

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHAIN OF CUSTODY RECORD

S 3421.

Page 1 of 5

	Project No.: 2003118	Client: City of Utica		# of Containers	Site: Matt's Petro Utica, New York			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1	MW-1	6/30/04	1126	MONITORING WELL MW-1	3		x		VOC/SVOC - STARS
2	MW-2	6/30/04	1156	MONITORING WELL MW-2	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
3	MW-3	6/30/04	1106	MONITORING WELL MW-3	3		x		VOC/SVOC - STARS
4	MW-4	6/30/04	1011	MONITORING WELL MW-4	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
5	MW-5	6/30/04	1037	MONITORING WELL MW-5	3		x		VOC/SVOC - STARS
6	MW-6	6/30/04	935	MONITORING WELL MW-6	3		x		VOC/SVOC - STARS
7	MW-7	6/30/04	1022	MONITORING WELL MW-7	3		x		VOC/SVOC - STARS
8	MW-9	6/30/04	1108	MONITORING WELL MW-9	3		x		VOC/SVOC - STARS

Relinquished by Signature: Scott A. Zollo Print: Scott A. Zollo	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print: UPS	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 10:15	Received by Signature Print	Date/Time: 7/2/04 10:15

Remarks:

preserved on ice to 4 degree C

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Civil and Environmental Engineering

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PLUMLEY ENGINEERING

CHAIN OF CUSTODY RECORD

53421.

	Project No.: 2003118	Client: *City of Utica*		# of	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
	Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
9	TW-3	7/1/04	1125	TEMPORARY WELL TW-3	3		x		VOC/SVOC - STARS
10	TW-4	7/1/04	1210	TEMPORARY WELL TW-4	3		x		VOC/SVOC - STARS
11	TW-5	7/1/04	1050	TEMPORARY WELL TW-5	3		x		VOC/SVOC - STARS
12	TW-6	7/1/04	915	TEMPORARY WELL TW-6	3		x		VOC/SVOC - STARS
13	TW-7	7/1/04	1155	TEMPORARY WELL TW-7	3		x		VOC/SVOC - STARS
14	TW-8	7/1/04	1315	TEMPORARY WELL TW-8	3		x		VOC/SVOC - STARS
15	TW-9	7/1/04	1039	TEMPORARY WELL TW-9	3		x		VOC/SVOC - STARS
16	TW-10	7/1/04	927	TEMPORARY WELL TW-10	3		x		VOC/SVOC - STARS
17	TW-11	7/1/04	942	TEMPORARY WELL TW-11	3		x		VOC/SVOC - STARS
18	TW-12	7/1/04	1001	TEMPORARY WELL TW-12	3		x		VOC/SVOC - STARS

Relinquished by Signature: Scott A. Zella Print: Scott A. Zella	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 10:15	Received by Signature Print	Date/Time: 7/2/04 10:15

Remarks:

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CHAIN OF CUSTODY RECORD

S3422

Project No.: 2003118	Client: *City of Utica*			# of Containers	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
19 TW-13	7/1/04	12:00 AM	TEMPORARY WELL TW-13	3		x		VOC/SVOC - STARS
TW-14	7/1/04	12:00 AM	TEMPORARY WELL TW-14	3		x		VOC/SVOC - STARS
CB-3	7/1/04	1337	CATCH BASIN 3	3		x		VOC/SVOC - STARS
20 TB	6/28/04	---	TRIP BLANK	---		x		---
21 EB-1	6/30/04	1215	EQUIPMENT BLANK DAY 1	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
EB-2	7/1/04	1025	EQUIPMENT BLANK DAY 2	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
Samples: TW-14, CB-3 &								
		EB-2 IS IN SDG # S3422						

Relinquished by Signature: Print: Scott Allo 2016	Date/Time: 4:45 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 10:15	Received by Signature Print Kaufer	Date/Time: 7/2/04 10:15

Remarks:

preserved on ice to 4 degree C

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CHAIN OF CUSTODY RECORD

S 3422

Page 3 of 5

Project No.: 2003118		Client: *City of Utica*		# of	Site: *Matt's Petro Utica, New York*			Sampler's Signature: Scott A. Zollo
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
MW-8	6/30/04	940	MONITORING WELL MW-8	3		x		VOC/SVOC - STARS
MW-10	6/30/04	1007	MONITORING WELL MW-10	3		x		VOC/SVOC - STARS
22 MW-13	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
Samples: MW-8 & MW-10 is								
	in SDG # S3422							

Relinquished by Signature: Scott A. Zollo Print: Scott A. Zollo	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

preserved on ice to 4 degree C

CATEGORY B DELIVERABLES

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PLUMLEY ENGINEERING

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CHAIN OF CUSTODY RECORD

S3422

Project No.: 2003118	Client: *City of Utica*			# of Containers	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
MW-10 MS	6/30/04	1007	MONITORING WELL MW-10	3		x		VOC/SVOC - STARS
MW-10 MSD	6/30/04	1007	MONITORING WELL MW-10	2		x		VOC/SVOC - STARS
MW-11	6/30/04	935	MONITORING WELL MW-11	3		x		VOC/SVOC - STARS
MW-12	6/30/04	1122	MONITORING WELL MW-12	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
23 MW-13 MS	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
24. MW-13 MSD	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-14	6/30/04	1045	MONITORING WELL MW-14	3		x		VOC/SVOC - STARS
MW-15	6/30/04	952	EXISTING MONITORING WELL NEAR NEW MW-6	3		x		VOC/SVOC - STARS
TW-1	7/1/04	1136	TEMPORARY WELL TW-1	3		x		VOC/SVOC - STARS
TW-2	7/1/04	1128	TEMPORARY WELL TW-2	3		x		VOC/SVOC - STARS

Relinquished by Signature: Scott A. Zalo Print: Scott A. Zalo	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 10:15	Received by Signature Print Kamlesh	Date/Time: 7/2/04 10:15	

Remarks:

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Samples : MW-10MS TO MW-12 &

MW-14, TW-2 IS IN SDG #53422.

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CHAIN OF CUSTODY RECORD

Page 3 of 5

S3422

Project No.: 2003118	Client: *City of Utica*			# of Containers	Site: *Matt's Petro Utica, New York*			Sampler's Signature: Scott A. Zollo
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
1 MW-8	6/30/04	940	MONITORING WELL MW-8	3		x		VOC/SVOC - STARS
2 MW-10	6/30/04	1007	MONITORING WELL MW-10	3		x		VOC/SVOC - STARS
MW-13	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
Sample: MW-13 IS IN SDG # S3421.								

Copy
Original Documents are included in CSF S3421
Signature
7/2/04
Date

Relinquished by Signature: Scott A. Zollo Print: Scott A. Zollo	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 1015	Received by Signature Print	Date/Time: 7/2/04 1015

Remarks:

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CATEGORY B DELIVERABLES

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CHAIN OF CUSTODY RECORD

S3422

Project No.: 2003118	Client: *City of Utica*			# of Containers	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
3 MW-10 MS	6/30/04	1007	MONITORING WELL MW-10	3		x		VOC/SVOC - STARS
4 MW-10 MSD	6/30/04	1007	MONITORING WELL MW-10	2		x		VOC/SVOC - STARS
5 MW-11	6/30/04	935	MONITORING WELL MW-11	3		x		VOC/SVOC - STARS
6 MW-12	6/30/04	1122	MONITORING WELL MW-12	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-13 MS	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-13 MSD	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
7 MW-14	6/30/04	1045	MONITORING WELL MW-14	3		x		VOC/SVOC - STARS
8 MW-15	6/30/04	952	EXISTING MONITORING WELL NEAR NEW MW-6	3		x		VOC/SVOC - STARS
9 TW-1	7/1/04	1136	TEMPORARY WELL TW-1	3		x		VOC/SVOC - STARS
10 TW-2	7/1/04	1128	TEMPORARY WELL TW-2	3		x		VOC/SVOC - STARS

Relinquished by Signature: Scott A. Zelle Print: Scott A. Zelle	Date/Time: 1645 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	Date: 7/2/04
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 1015	Received by Signature Print Kowalski	Date/Time: 7/2/04 10:15	

Remarks:

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Samples : MW-13MS & MW-13 MSD

IS in SDG # S3421

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Copy
Original Documents are included in CSF S3421

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CHAIN OF CUSTODY RECORD

Page 5 of 5

S3422

Project No.: 2003118		Client: City of Utica		# of Containers	Site: Matt's Petro Utica, New York			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
TW-13	7/1/04	12:00 AM	TEMPORARY WELL TW-13	3		x		VOC/SVOC - STARS
11 TW-14	7/1/04	12:00 AM	TEMPORARY WELL TW-14	3		x		VOC/SVOC - STARS
12 CB-3	7/1/04	1337	CATCH BASIN 3	3		x		VOC/SVOC - STARS
TB	6/28/04	---	TRIP BLANK	---		x		---
EB-1	6/30/04	1215	EQUIPMENT BLANK DAY 1	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
13 EB-2	7/1/04	1025	EQUIPMENT BLANK DAY 2	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
Samples:		TW-13, TB, EB-1 IS IN SDG # S3421					Copy Original Documents are included in CSF S3421	
							Signature	
							7/2/04 Date	

Relinquished by Signature: Print: Scott 4027016	Date/Time: 4:45 7/1/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:		
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print: UPS	Date/Time: 7/2/04 10:15	Received by Signature Print:	Date/Time: 7/2/04 10:15		

Remarks:

preserved on ice to 4 degree C

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CHAIN OF CUSTODY RECORD

Project No.: 2003118		Client: *City of Utica*		# of	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
MW-10 MS	6/30/04	1007	MONITORING WELL MW-10	3		x		VOC/SVOC - STARS
MW-10 MSD	6/30/04	1007	MONITORING WELL MW-10	2		x		VOC/SVOC - STARS
MW-11	6/30/04	935	MONITORING WELL MW-11	3		x		VOC/SVOC - STARS
MW-12	6/30/04	1122	MONITORING WELL MW-12	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-13 MS	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-13 MSD	6/30/04	1040	MONITORING WELL MW-13	5		x		PCB, TCL SVOC, TAL METALS, TCL VOC
MW-14	6/30/04	1045	MONITORING WELL MW-14	3		x		VOC/SVOC - STARS
MW-15	6/30/04	952	EXISTING MONITORING WELL NEAR NEW MW-6	3		x		VOC/SVOC - STARS
TW-1	7/1/04	1136	TEMPORARY WELL TW-1	3		x		VOC/SVOC - STARS
TW-2	7/1/04	1128	TEMPORARY WELL TW-2	3		x		VOC/SVOC - STARS

Relinquished by Signature: Print:	Date/Time:	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

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Premier Environmental Services

APPENDIX D

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH

Facsimile Transmittal

Date: 11/24/04 **Number of Pages 8**

Name: Renee Cohen **Fax #: 516-223-0983**

Company: Premier Environmental **Re : S3421 & S3422**

SENT BY :
Kurt Hummler
Chemtech Consulting Group, Inc.
284 Sheffield Street
Mountainside, New Jersey 07092
Phone: (908) 789-8515
Fax: (908) 789-8514

Comment: Renee,

Attached please find the following:

1. **SVOC extraction log for S3422.**
2. **Form V for the initial calibration curve that was analyzed on 7/12/04, instrument E, S3421.**
3. **Form VIII for the CCV standards analyzed on 7/13/04 and 7/14/04.**

- **SVOC report pages 98-220 from S3421 have been mailed.**

Sorry for the delay. Have a happy Thanksgiving,

Kurt

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL
US AT (908) 789-8900 AS SOON AS POSSIBLE.
284 Sheffield Street, Mountainside, NJ 07092

IN BUSINESS FOR THE ENVIRONMENT

EXTRACTION LOGPAGE

Method: _____ Supervisor Review: _____ Date: / / PREP Batch #: PB18668

Extraction Date: 7/7/2004 Initials: _____ Concentration Date: / / Initials: _____

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol. (mL)	COMMENTS
PB180668L		SVOC-STARS	1000	7	Chiral	1	
PB1606685		SVOC-STARS	1000	7	Chiral	1	
S3421-01	MW-1	SVOC-STARS		7	Chiral	1	
S3421-02	MW-2	SVOCMS Group1	960	7	Chiral	1	
S3421-03	MW-3	SVOC-STARS	940	7	Chiral	1	
S3421-04	MW-4	SVOCMS Group1	970	7	Chiral	1	
S3421-05	MW-5	SVOC-STARS		7	Chiral	1	
S3421-06	MW-6	SVOC-STARS	960	7	Chiral	1	
S3421-07	MW-7	SVOC-STARS	960	7	Chiral	1	
S3421-08	MW-9	SVOC-STARS	970	7	Chiral	1	
S3421-09	TW-3	SVOC-STARS	970	7	Chiral	1	
S3421-10	TW-4	SVOC-STARS	960	7	Chiral	1	
S3421-11	TW-5	SVOC-STARS	960	7	Chiral	1	
S3421-12	TW-6	SVOC-STARS	940	7	Chiral	1	
S3421-13	TW-7	SVOC-STARS	970	7	Chiral	1	
S3421-14	TW-8	SVOC-STARS	970	7	Chiral	1	
S3421-15	TW-9	SVOC-STARS	960	7	Chiral	1	
S3421-16	TW-10	SVOC-STARS	940	7	Chiral	1	
S3421-17	TW-11	SVOC-STARS	950	7	Chiral	1	
S3421-18	TW-12	SVOC-STARS	960	7	Chiral	1	
S3421-19	TW-13	SVOC-STARS	960	7	Chiral	1	
S3421-21	EB-1	SVOCMS Group1	940	7	Chiral	1	
S3421-22	MW-13	SVOCMS Group1	950	7	Chiral	1	
S3421-23	MW-13MS	SVOCMS Group1	960	7	Chiral	1	
S3421-24	MW-13MSD	SVOCMS Group1	960	7	Chiral	1	

*Extracts relinquished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

EXTRACTION LOGPAGE

Method: 8270 Supervisor Review: [signature] Date: 7/14/04 PREP Batch #: PB16068

Extraction Date: 7/7/2004 Initials: [signature] Concentration Date: 7/14/04 Initials: [signature]

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume/pH mL	Mer. Sur./Spike	Final Vol. (mL)	COMMENTS
PB16068BL		SVOC-STARS	1000	7	chiral	1	
PB16068BS		SVOC-STARS	1000	7	chiral	1	
S3421-01	MW-1	SVOC-STARS	940	7	chiral	1	
S3421-02	MW-2	SVOCMS iGroup1	940	7	chiral	1	
S3421-03	MW-3	STARS	940	7	chiral	1	
S3421-04	MW-4	SVOCMS iGroup1	940	7	chiral	1	
S3421-05	MW-5	SVOC-STARS	940	7	chiral	1	
S3421-06	MW-6	SVOC-STARS	940	7	chiral	1	
S3421-07	MW-7	SVOC-STARS	940	7	chiral	1	
S3421-08	MW-8	SVOC-STARS	940	7	chiral	1	
S3421-09	TW-3	SVOC-STARS	940	7	chiral	1	
S3421-10	TW-4	SVOC-STARS	940	7	chiral	1	
S3421-11	TW-5	SVOC-STARS	940	7	chiral	1	
S3421-12	TW-6	SVOC-STARS	940	7	chiral	1	
S3421-13	TW-7	SVOC-STARS	940	7	chiral	1	
S3421-14	TW-8	SVOC-STARS	940	7	chiral	1	
S3421-15	TW-9	SVOC-STARS	940	7	chiral	1	
S3421-16	TW-10	SVOC-STARS	940	7	chiral	1	
S3421-17	TW-11	SVOC-STARS	940	7	chiral	1	
S3421-18	TW-12	SVOC-STARS	940	7	chiral	1	
S3421-19	TW-13	SVOC-STARS	940	7	chiral	1	
S3421-21	EB-1	SVOCMS iGroup1	940	7	chiral	1	
S3421-22	MW-13	SVOCMS iGroup1	940	7	chiral	1	
S3421-23	MW-13MS	SVOCMS iGroup1	940	7	chiral	1	
S3421-24	MW-13MSD	SVOCMS iGroup1	940	7	chiral	1	

* Extracts extinguished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semivolatile lab, must sign

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Chemtech Consulting Group Contract: PLUM01

Lab Code: CHEM Case No.: S3421 SAS NO.: S3421 SDG NO.: S3421

Lab File ID: BE012508.D DFTPP Injection Date: 7/12/04

Instrument ID: BNAE DFTPP Injection Time: 14:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	54.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	40.0 - 60.0% of mass 198	59.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	29.8
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	14.0
442	Greater than 40% of mass 198	91.9
443	17.0 - 23.0% of mass 442	17.9(19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	80 ng BNA ICC	BE012509.D	7/12/04	15:24
02	SSTD160	160 ng BNA ICC	BE012510.D	7/12/04	15:47
03	SSTD020	20 ng BNA ICC	BE012511.D	7/12/04	16:11
04	SSTD120	120 ng BNA ICC	BE012512.D	7/12/04	16:35
05	SSTD050	50 ng BNA ICC	BE012513.D	7/12/04	16:59
06	SBLK01	PB160668	BE012531.D	7/13/04	00:04
07	SLCS01	PB16066BS	BE012532.D	7/13/04	00:27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PLUM01

Lab Code: CHEM Case No.: S3421 SAS No.: S3421 SDG NO.: S3421

EPA Sample No.: SSTD080 Date Analyzed: 7/13/04

Lab File ID: BE012536.D Time Analyzed: 01:59

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 032 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	278051	3.49	999278	4.26	553156	5.36
	UPPER LIMIT	556102	3.99	1998556	4.76	1106312	5.86
	LOWER LIMIT	139026	2.99	499639	3.76	276578	4.86
	EPA SAMPLE NO.						
03	EB-1	218322	3.49	857334	4.27	479051	5.36
04	MW-6	209953	3.49	851716	4.27	453472	5.36
05	TW-13	219191	3.49	856207	4.27	498215	5.36
06	TW-10	223571	3.49	865960	4.27	493318	5.36
07	TW-9	253251	3.49	970837	4.27	555661	5.36
08	TW-11	245023	3.49	903754	4.27	537945	5.36
09	MW-2	291771	3.49	1071052	4.27	608833	5.39
10	MW-3	232433	3.49	903688	4.27	516925	5.37
11	TW-12	263419	3.49	978278	4.27	604864	5.37
12	TW-6	247941	3.49	928260	4.27	530635	5.36
13	MW-7	235286	3.49	986853	4.26	553422	5.36
14	MW-9	246898	3.49	980398	4.27	571026	5.36
15	MW-4	251279	3.49	1002068	4.27	578638	5.37
16	MW-13	239592	3.49	964420	4.26	591908	5.36
17	TW-4	301145	3.49	1157334	4.27	506430	5.37
18	TW-7	262013	3.49	1057802	4.27	672892	5.37
19	TW-5	280073	3.49	1002604	4.26	947409	5.37
20	TW-3	290810	3.48	1078355	4.27	585157	5.37
21	MW-13MS	307235	3.49	1108434	4.26	694030	5.37

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PLUM01

Lab Code: CHEM Case No.: S3421 SAS No.: S3421 SDG No.: S3421

EPA Sample No.: SSTD080 Date Analyzed: 7/13/04

Lab File ID: BE012536.D Time Analyzed: 01:59

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 032 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1023978	6.34	1024302	8.35	880251	9.98
	UPPER LIMIT	2024156	6.84	2052618	8.85	1640502	10.46
	LOWER LIMIT	1006980	5.84	1007106	7.85	612126	9.46
	EPA SAMPLE NO.						
03	RB-1	826638	6.34	784945	8.42	742471	10.04
04	MW-6	835364	6.34	760314	8.38	729279	9.99
05	TW-13	881809	6.33	837212	8.33	859575	9.97
06	TW-10	868008	6.32	819454	8.29	813856	9.88
07	TW-9	953513	6.35	893550	8.43	885798	10.05
08	TW-11	920658	6.33	863724	8.37	852568	9.98
09	MW-2	1001546	6.45	918309	8.79	914074	10.48 *
10	MW-3	896231	6.38	844792	8.57	879688	10.22
11	TW-12	941895	6.36	1038844	8.43	907595	10.06
12	TW-6	938377	6.34	866279	8.41	883346	10.02
13	MW-7	958748	6.34	902927	8.36	902727	9.97
14	MW-9	961934	6.37	878862	8.53	883610	10.17
15	MW-4	871267	6.36	958800	8.47	948739	10.10
16	MW-13	1011497	6.35	969582	8.41	969899	10.03
17	TW-4	1054503	6.35	1223262	8.34	1162639	9.95
18	TW-7	930093	6.36	1023560	8.49	1003364	10.12
19	TW-5	1009018	6.35	1149019	8.40	1119060	10.02
20	TW-3	966372	6.35	1142557	8.35	1099573	9.96
21	MW-13MS	961951	6.35	1095423	8.44	1016279	10.05

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group **Contract:** PLUM01

Lab Code: CHEM Case No.: S3421 SAS No.: S3421 SDG NO.: S3421

EPA Sample No.: SSTD080 Date Analyzed: 7/14/04

Lab File ID: BE012624.D Time Analyzed: 21:49

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: .032 (mm)

	IS1 (DCB) AREA #	IS1 (DCB) RT #	IS2 (NPT) AREA #	IS2 (NPT) RT #	IS3 (ANT) AREA #	IS3 (ANT) RT #
12 HOUR STD	894175	3.47	1837567	4.75	1082020	5.39
UPPER LIMIT	1341263	3.97	2756351	5.25	1623030	5.89
LOWER LIMIT	447088	2.97	918784	4.25	541010	4.89
EPA SAMPLE NO.						
MW-28E	1086478	3.47	1130822	4.85	647192	5.37

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +50% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PLUM01

Lab Code: CHEM Case No.: S3421 SAS No.: S3421 SDG No.: S3421

EPA Sample No.: SSTD080 Date Analyzed: 7/14/04

Lab File ID: BE012624.D Time Analyzed: 21:49

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 032 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1036515	6.91	1072164	8.37	850694	9.85
UPPER LIMIT	2077826	7.41	2144328	8.87	1701389	10.35
LOWER LIMIT	519257	6.41	536082	7.87	425347	9.35
EPA SAMPLE NO.						
30 MW-2RE	1043671	6.44	987474	8.81 *	715761	10.50 *

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Premier Environmental Services

September 20, 2004

Kurt Hummler
Chemtech Consulting Group
284 Sheffield Street
Mountainside, NJ 07092

Dear Mr. Hummler,

Premier Environmental Services is performing the data review for Plumley Engineering for samples collected at the Matt Petroleum Terminal Site. The samples were collected in June and July,2004. Below are questions associated with the cited data set. I have organized the questions for ease of review by either the project manager or QA Officer.

Project S3422 – Semivolatile Organic Analyses
The data report does not include the sample extraction logs for this data set. Please provide this raw data for review.

Thank you in advance for your prompt response to these data issues. If there are any additional questions associated with this data set, please do not hesitate to contact me at 516-223-9761.

Sincerely,

Renee Cohen

Cc: Scott Zollo – Plumley Engineering

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH

October 07, 2004

Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566

Attn : Renee Cohen

Re: Project ID: Matt Petroleum Terminal Site
Chemtech Project # S3422

As per your request, enclosed please find the copies of extraction logpages for Semi-Volatile Organic analysis. These pages have been renumbered. Please add in your hard copy.

We are extremely sorry for the inconvenience caused to you. Please do not hesitate to contact us if we can be of further service at 908-789-8900 ext. 204. We appreciate your patience in this matter.

Sincerely,

Krupa Dubey
QA/QC

CHEMTECH EXTRACTION LOGPAGE

EXTRACTION LOGPAGE

SOP#: M 3510 Rev: A Batch #: PB16106

Matrix: Water Extraction Date: 7/8/2004

Cleanup Method: N/A By: Rajesh

Method of Extraction circle one Seperatory Funnel, Continious Liquid/Liquid, Sonication, Waste Dilution

QC	mL. Spike	Concentration ug/mL	STD REF. # FROM LOG
Blank Spike	1.0mL	50 ppm	OEP857
Surrogate	1.0mL	100/120 ppm	OEP847

CHEMICAL USED	LOT #
Methylene Chloride	ER1227
Sodium Sulfate	ER1225
H2SO4	x498
NAOH	x497

Extraction Conformance/Non-Conformance Comments:

KD Bath Temperature: 65 C Nevap Temperature: 40 C

Received Date: 07/13/04 Received By: [illegible]

Delivered Date: 7/13/04 Delivered By: [illegible]

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

EXTRACTION LOGPAGE

Method: 8270 Supervisor Review: [signature] Date: 7/13/04 PREP Batch #: PB16106

Extraction Date: 7/8/2004 Initials: [signature] Concentration Date: 7/14/04 Initials: HR

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol. (mL)	COMMENTS
S3420-05	SW-2	SVOC-Chemtech Full BN-15	950	7	anand	1	
PB16106BL		SVOC-Chemtech Full BN-15	1000	7	anand	1	
PB16106BS		SVOC-Chemtech Full BN-15	1000	7	anand	1	
S3419-03	FB070104AM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3419-05	MW-3	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3419-12	FB070104PM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-01	FB070204AM	SVOC-Chemtech Full BN-15	940	7	anand	1	HR
S3420-02	MW-6	SVOC-Chemtech Full BN-15	960	7	anand	1	07/13/04
S3420-03	SW-1	SVOC-Chemtech Full BN-15	500	7	anand	1	
S3420-07	MW-10	SVOC-Chemtech Full BN-15	950	7	anand	1	
S3420-08	SW-3	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-10	SW-5	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-12	SW-4	SVOC-Chemtech Full BN-15	940	7	anand	1	
S3420-13	FB070204PM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3421-25	MW-1	SVOC-STARS	950	7	anand	1	
S3421-26	MW-5	SVOC-STARS	960	7	anand	1	
		SVOC-					

S3422-14	CB-3	STARS	960	7	anand	1	1 HN DF 7/3/14

* Extracts relinguished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

EXTRACTION LOGPAGE

Method: Supervisor Review: Date: / / PREP Batch #: PB16106

Extraction Date:7/8/2004 Initials: Concentration Date: / / Initials:

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol. (mL)	COMMENTS
S3420-05	SW-2	SVOC-Chemtech Full BN-15	950	7	anand	1	
PB16106BL		SVOC-Chemtech Full BN-15	1000	7	anand	1	
PB16106BS		SVOC-Chemtech Full BN-15	1000	7	anand	1	
S3419-03	FB070104AM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3419-05	MW-3	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3419-12	FB070104PM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-01	FB070204AM	SVOC-Chemtech Full BN-15	940	7	anand	1	
S3420-02	MW-6	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-03	SW-1	SVOC-Chemtech Full BN-15	500	7	anand	1	
S3420-07	MW-10	SVOC-Chemtech Full BN-15	950	7	anand	1	
S3420-08	SW-3	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-10	SW-5	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3420-12	SW-4	SVOC-Chemtech Full BN-15	940	7	anand	1	
S3420-13	FB070204PM	SVOC-Chemtech Full BN-15	960	7	anand	1	
S3421-25	MW-1	SVOC-STARS	950	7	anand	1	
S3421-26	MW-5	SVOC-STARS	960	7	anand	1	
		SVOC-					

S3422-14	CB-3	STARS	960	7	anand	1

* Extracts relinguished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH EXTRACTION LOGPAGE

EXTRACTION LOGPAGE

SOP#: M 3510 Rev: A Batch #: PB16031

Matrix: Water Extraction Date: 7/7/2004

Cleanup Method: N/A By: Roger

Method of Extraction circle one: (Seperatory Funnel) Continious Liquid/Liquid, Sonication, Waste Dilution

QC	mL. Spike	Concentration ug/mL	STD REF. # FROM LOG
Blank Spike	1.0 mL	50 ppm	OEP857
Surrogate	1.0mL	100/150 ppm	OEP828

CHEMICAL USED	LOT #
Methylene Chloride	ER1227
Sodium Sulfate	ER1225
H2SO4 1:1	x498
NAOH	x497

Extraction Conformance/Non-Conformance Comments:

KD Bath Temperature: 65 C Nevap Temperature: 40 C

Received Date: 7/8/04 Received By: RAP

Delivered Date: 7/8/04 Delivered By: A

EXTRACTION LOGPAGE

Method: 5270 C Supervisor Review: [signature] Date: 7/8/04 PREP Batch #: PB16031

Extraction Date: 7/7/2004 Initials: Rajen Concentration Date: 7/8/04 Initials: HR

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol. (mL)	COMMENTS
PB16031BL		SVOC-Chemtech Full -25	1000	7	anand	1	
PB16031BS		SVOC-Chemtech Full -25	1000	7	anand	1	
S3414-08	FB-01040104	SVOC-Chemtech Full -25	950	7	anand	1	
S3422-01	MW-8	SVOC-STARS	940	7	anand	1	
S3422-02	MW-10	SVOC-STARS	500	7	anand	1	HR 7/8/04
S3422-03	MW-10MS	SVOC-STARS	960	7	anand	1	
S3422-04	MW-10MSD	SVOC-STARS	500	7	anand	1	
S3422-05	MW-11	SVOC-STARS	960	7	anand	1	
S3422-06	MW-12	SVOCMS Group1	960	7	anand	1	
S3422-07	MW-14	SVOC-STARS	950	7	anand	1	
S3422-08	MW-15	SVOC-STARS	950	7	anand	1	
S3422-09	TW-1	SVOC-STARS	940	7	anand	1	
S3422-10	TW-2	SVOC-STARS	960	7	anand	1	
S3422-11	TW-14	SVOC-STARS	950	7	anand	1	
S3422-12	CB-3	SVOC-STARS	960	7	anand	1	
S3422-13	EB-2	SVOCMS Group1	960	7	anand	1	

* Extracts relinquished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

EXTRACTION LOGPAGE

Method: _____ Supervisor Review: _____ Date: / / PREP Batch #: PB16031

Extraction Date: 7/7/2004 Initials: ___ Concentration Date: / / Initials: ___

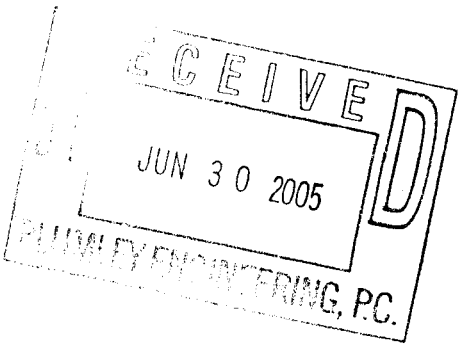
LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol. (mL)	COMMENTS
PB16031BL		SVOC-Chemtech Full -25	1000	7	ananc	1	
PB16031BS		SVOC-Chemtech Full -25	1000	7	ananc	1	
S3414-08	FB-01040104	SVOC-Chemtech Full -25	950	7	ananc	1	
S3422-01	MW-8	SVOC-STARS	960	7	ananc	1	
S3422-02	MW-10	SVOC-STARS	500	7	ananc	1	
S3422-03	MW-10MS	SVOC-STARS	960	7	ananc	1	
S3422-04	MW-10MSD	SVOC-STARS	500	7	ananc	1	
S3422-05	MW-11	SVOC-STARS	960	7	ananc	1	
S3422-06	MW-12	SVOCMS Group1	960	7	ananc	1	
S3422-07	MW-14	SVOC-STARS	950	7	ananc	1	
S3422-08	MW-15	SVOC-STARS	950	7	ananc	1	
S3422-09	TW-1	SVOC-STARS	960	7	ananc	1	
S3422-10	TW-2	SVOC-STARS	960	7	ananc	1	
S3422-11	TW-14	SVOC-STARS	950	7	ananc	1	
S3422-12	CB-3	SVOC-STARS	960	7	ananc	1	
S3422-13	EB-2	SVOCMS Group1	960	7	ananc	1	

* Extracts relinquished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

Premier Environmental Services

DATA VALIDATION REPORT
OF THE
MATT PETROLEUM SITE
CITY OF UTICA

ORGANIC ANALYSES
OF AQUEOUS AND
NON-AQUEOUS SAMPLES



CHEMTECH CONSULTING GROUP
MOUNTAINSIDE, NEW JERSEY

CATEGORY "B" REPORT NUMBER: S4751

June, 2005

Prepared for
Plumley Engineering, P.C.
Baldwinsville, New York

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

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's) Semivolatile Organic Compounds (SVOA's),**
SITE:	**Matt Petroleum Terminal**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
PROJECT NO.:	**S4751**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2005**
MATRIX:	**Aqueous, Non-Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6- CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). 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.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report. Copies of correspondence between this data validator and the laboratory are located in Appendix D of this report.

This data assessment is for fifteen (15) non-aqueous, one (1) Equipment Blank and one (1) Trip Blank sample listed on the COC documents. The samples in this data set were collected September 16, 2004 and shipped to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on September 18, 2004 for the analyses requested on the COC documentation. All of the samples were analyzed for Volatile Organic Analytes (VOA), and Semivolatile Organic Analytes (SVOA).

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes as noted by the COC documentation that accompanied the sample set. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDEC ASP methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of the NYS DEC ASP (12/95) will supersede CLP requirements in terms of calibration (where applicable) and holding time. Chemtech Consulting Group generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

This laboratory report consisted of fifteen (15) soil samples, one (1) Trip Blank and one (1) Equipment Blank sample that were analyzed for Volatile Organic analytes. All of the samples with the exception of the Trip Blank sample were analyzed for Semivolatile Organic analytes.

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. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days. This holding time is also applicable to soil samples analyzed for Pesticides, PCB's and Herbicides.

Volatile Organic Analyses (EPA Method 8260B) - The samples associated with this data set were collected September 16, 2004. They were received at the laboratory on September 18, 2004. All sample analyses were completed by September 30, 2004. Samples PSS-1, PSS-3, PSS-5, PSS-10 and the reanalysis of samples PSS-4, PSS-8, PSS-11, PSS-2 and PSB-67 were analyzed outside the NYS DEC ASP holding times, however all samples were analyzed within the method holding times, therefore no action was taken.

Semivolatile Organic Analyses (EPA Method 8270C) - The samples associated with this data set were collected on September 16, 2004 and received at the laboratory on September 18, 2004. The soil samples in this data set were extracted on September 22, 2004. All sample analyses were completed by September 28, 2004. The Equipment Blank sample was extracted on September 22, 2004 and analyzed on September 22, 2004. All samples associated with this data set were prepared and analyzed within the NYS DEC ASP holding times.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol, Nitrobenzene-d5, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic Analyses. The laboratory utilized in-house QC limits for the Semivolatile Organic analyses. All sample surrogate recoveries were summarized as required by the deliverable.

Volatile Organic Analyses (EPA Method 8260B) – The laboratory reported QC limits of 75%-125% for each of the surrogate compounds. The surrogate recoveries met QC criteria in all method blank samples associated with this data set. The surrogate recoveries associated with the field samples in this data set met QC criteria in the initial analysis of all samples associated with this data set. The following surrogates did not meet QC criteria in the reanalysis (RE) of the following samples:

Sample ID	**Surrogates**
PSS-4 RE	4-Bromofluorobenzene
PSS-8 RE	1,2-Dichloroethane-d4
PSS-11 RE	1,2-Dichloroethane-d4
PSB-67 RE	1,2-Dichloroethane-d4
PSS-2 RE	1,2-Dichloroethane-d4

The surrogate recoveries were less than the listed QC limits. Target analytes in the reanalysis of the samples listed above have been qualified "UJ/J" estimated on the data result pages.

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

Semivolatile Organic Analyses (EPA Method 8270C) - The surrogate recoveries associated with the soil samples in this data set were acceptable and met QC criteria in all reported field sample and QC sample analyses with the exception of the following:

Sample ID	**Surrogates**
PSS-4RE	2-Fluorobiphenyl
PSS-6	2-Fluorobiphenyl
PSS-2 MS	2-Fluorophenol
	Phenol-d5
PSS-2 MSD	Terphenyl-d14
PSS-2 RE	Phenol-d5

The method allows for one surrogate to exceed QC criteria per fraction, therefore all sample met this QC criteria with the exception of sample PSS-2 MSD. All surrogate recoveries met QC criteria in the un-spiked sample analysis. No action has been taken based on this QC outlier.

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 and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Volatile Organic Analyses (EPA Method 8260B) - The laboratory performed MS/MSD sample analysis on sample PSS-7. All percent recoveries in both the MS and MSD sample were less than QC limits. All Relative Percent differences met QC criteria in this MS/MSD sample set. The un-spiked sample did not contain target analytes or exhibit any interference in the sample chromatogram. The laboratory did not cite any reason for the low recovery of all matrix spike analytes. Based on all target analytes having a low recovery, this validator believes that the low recovery may be due to matrix spiking error or a spike solution that was not made properly. No action was taken based on this QC outlier.

The laboratory prepared and analyzed a blank matrix spike sample with this data set. The recovery of all spiked analytes met QC criteria in each of the blank matrix spike samples.

Semivolatile Organic Analyses (EPA Method 8270C) – Sample PSS-2 was utilized for the MS/MSD sample in this data set. The sample was analyzed for the Target Compound List (TCL) list of Semivolatile Organic compounds. The laboratory extracted, analyzed and reported a full component MS/MSD sample spike on the sample. The spike concentration indicates on the MS Summary report page was incorrect. The laboratory was contacted. Revised MS summary forms were supplied. Based on the correct spike concentration in the MS sample, the percent recovery of all analytes with the exception of Indeno (1,2,3-cd)pyrene, Benzo(k)fluoranthene and Benzo (g,h,i)pyrelene met QC criteria. Bis (2-ethyl)hexyl)phthalate and Indeno(1,2,3-cd)pyrene exceeded QC limits in the MSD sample. Data was not qualified based on the results of the site-specific MS/MSD analysis.

Chemtech Consulting prepared and analyzed one (1) blank matrix spike samples with this data set. This Blank Spike sample was analyzed on each GC/MS the samples were analyzed. The recovery of the spiked analytes met QC criteria for all target analytes with the exception of 2,2-oxybis (1-chloropropane) in the blank spike sample A and Phenol, 2,4-Dichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol and Benzo(b)fluoranthene in blank spike sample B. Each of these recoveries was slightly above QC limits. These target analytes met QC criteria in the site-specific MS/MSD analysis therefore no action was taken.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260B) – One (1) aqueous and two (2) soil method blank samples are associated with the samples reported in Laboratory Report S4571. Each of the method blanks were free from contamination of both target and non-target analytes.

5. BLANK CONTAMINATION (cont'd):

A) Method Blank contamination

Semivolatile Organic Analyses (EPA Method 8270C) – One (1) method blank sample is associated with the soil samples in this data set. Target analytes were not detected in this method blank sample. One (1) Aldol Condensation Product (ACP) at retention time 3.84 was detected in the method blank sample. This TIC when detected in the soil samples has been qualified/negated "U" as required by the validation guidelines. The SBLK was analyzed on the GC/MS used to reanalyze the extracts and sample dilutions. This SBLK was free from contamination of target analytes as well.

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

One (1) aqueous method blank sample is associated with this data set. It was free from contamination of target analytes. One ACP at retention time 1.92 was detected. This ACP was detected in the Equipment Blank sample. It was negated and qualified "U".

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

B) Field or Equipment Rinse Blank (ERB) contamination

Volatile Organic Analytes – One (1) Equipment Blank (EB-1) samples is associated with this data set. It was free from contamination of all target analytes with the exception of Acetone (3.3 J ug/l). This target analyte has been negated in all of the associated soil samples in this data set.

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

Semivolatile Organic Analytes – One (1) Equipment Blank (EB-1) samples is associated with this data set. It was free from contamination of all target analytes with the exception of Bis(2-ethylhexyl)phthalate at a concentration of 1.3 J ug/l. In addition, one (1) ACP was detected in this sample. When these analytes were detected in associated field sample, they have been negated and qualified "U" in accordance with the data validation guidelines.

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

C) Trip Blank contamination

One (1) Trip Blank sample (TB) is associated with this data set. It was free from contamination of all target analytes with the exception of Methylene Chloride (1.8 J ug/l). This target analyte has been negated in all of the associated soil samples in this data set.

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

6. 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. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, 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. Region II 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). Region II 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 Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Two (2) initial calibration curves are associated with the samples reported in Laboratory Report S4571. The laboratory performed an initial aqueous multilevel calibration on September 17, 2004 (Inst. H). One (1) soil initial calibration curve analysis was performed on September 1, 2004 (Inst. K). The Equipment Blank and Trip Blank sample associated with this data set are associated with the calibration curve analysis performed September 17, 2004 (Inst. H). All Relative Response Factors (RRF) associated with this curve analysis met QC criteria. All soil samples are associated with the calibration curve analysis performed September 1, 2004 (Inst. K). All Relative Response Factors (RRF) associated with this curve analysis met QC criteria

One (1) continuing calibration standard analysis is associated with the aqueous samples in this data set. The RRF of all target compounds met QC criteria in this continuing calibration standard analysis met QC criteria on Instrument H.

Two (2) continuing calibration standard analyses are associated with the soil samples in this data set. The RRF of all target compounds met QC criteria in each of the continuing calibration standard analyses met QC criteria on Instrument K.

Semivolatile Organic Analyses (EPA Method 8270C) – Four (4) initial calibration curve analyses are associated with Laboratory Report S4751. An initial calibration curve was analyzed on August 24, 2004 (Inst. A). The RRF of all target analytes met QC criteria in each of the initial calibration curve analyses.

Two (2) continuing calibration standard analyses are associated with the initial calibration curve on Instrument "A". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

6. GC/MS CALIBRATION (cont'd):

A) RESPONSE FACTOR

Semivolatile Organic Analyses (EPA Method 8270C) (cont'd) - An additional calibration curve was performed on September 24, 2004 (Inst. B). The RRF of all target analytes met QC criteria in each of the initial calibration curve analyses. One (1) continuing calibration standard is associated with the initial calibration curve on Instrument "B". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

An additional calibration curve was performed on September 27, 2004 (Inst. B). The RRF of all target analytes met QC criteria in each of the initial calibration curve analyses. One (1) continuing calibration standard is associated with the initial calibration curve on Instrument "B". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

An additional calibration curve was performed on August 25, 2004 (Inst. E). The RRF of all target analytes met QC criteria in each of the initial calibration curve analyses. Two (2) continuing calibration standard is associated with the initial calibration curve on Instrument "E". The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

6. 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 and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Two (2) initial calibration curve analyses are associated with the samples reported in Laboratory Report S4571. %RSD criteria in the aqueous initial calibration curve analyzed September 17, 2004 (Inst. H) met QC criteria for all target analytes with the exception of 2-Hexanone (44.7%) and Bromoform (30.9%). %RSD criteria in the soil sample initial calibration curve analyzed September 1, 2004 (Inst. K) met QC criteria for all target analytes with the exception of Acetone (32.2%) and Methylene Chloride (32.5%).

One (1) continuing calibration standard analysis is associated with the aqueous sample sin this data set. All %Difference QC criteria were met in this CCV analysis.

Two (2) continuing calibration standard analyses are associated with the soil samples in this data set. The % Difference of all compounds met QC criteria in the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
VK093635	9/26/04	Bromomethane	26.4
		Chloroethane	26.8
		Carbon Disulfide	36.7
		4-Methyl-2 Pentanone	35.8
		trans-1,3-Dichloropropene	26.9
		1,2-Dibromo-3-chloropropane	78.0
VK093002	9/30/04	Chloroethane	29.5
		Acetone	28.3
		MTBE	29.2
		Methyl Acetate	53.2
		4-Methyl-2 Pentanone	31.9
		1,2-Dibromo-3-chloropropane	51.1

These target analytes have been qualified "UJ/J" estimated in the soil samples associated with this data set.

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

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION (cont'd):

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

Semivolatile Organic Analyses (EPA Method 8270C)– Four (4) initial calibration curve analyses are associated with Laboratory Report S4751. An initial calibration curve was analyzed on August 24, 2004 (Inst. A). The Relative Standard Deviation (%RSD) of each target analyte met QC criteria in each of the initial calibration curve analyses with the exception of the following:

Date of Curve	Instrument ID	Analyte	%RSD
8/24/04	A	2,4-Dinirtophenol	34.8
9/24/04	B	Hexachlorocylopentadiene	57.6
		2,4-Dinitrophenol	44.9
		4-Nitrophenol	84.4
9/27/04	B	Benzaldehyde	40.4
		Hexachlorocylopentadiene	45.3
		2,4-Dinitrophenol	30.1
8/25/04	E	Hexachlorocylopentadiene	45.6
		2,4-Dinitrophenol	38.2

These target analytes have been qualified "UJ/J" estimated in the samples associated with the calibration curve analysis.

Six (6) continuing calibration standard analyses are associated with the initial calibration curve analyses. The %Difference of all target compounds in each of the continuing calibration standard analyses met QC criteria in each of the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
BA014328	9/24/04	2,4-Dinitrophenol	27.0
BA014343	9/25/04	2,4-Dinitrophenol	33.9
		3,3'-Dichlorobenzidene	28.7
BB018698	9/25/04	2,4-Dinitrophenol	78.8
		4-Nitrophenol	44.5
		Benzo(g,h,i)perylene	26.0
BE015225	9/22/04	Benzaldehyde	44.3
		n-nitrosodi-n-propylamine	33.0
		Phenanthrene	25.2
BB018727	9/27/04	Hexachlorocyclopentadiene	26.1

These target analytes have been qualified "UJ/J" estimated in each of the associated samples in this data set.

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

ORGANIC DATA ASSESSMENT

7. 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 area count evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260B) - All samples were spiked with the internal standards Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis. The area counts and retention time of each internal standard met QC criteria in all field samples and QC samples associated with this data set with the exception of 1,4-Dichlorobenzene-d4 in sample PSS-8, PSS-11, PSS-2 and PSB-67. Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 exceeded QC criteria in sample PSS-4. Each of these samples was reanalyzed and comparable data was obtained in sample PSS-4. All Internal Standard QC criteria were met in each of the other reanalyses. Effected target analytes have been qualified "UJ/J" estimated in the associated soil samples.

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

Semivolatile Organic Analyses (EPA Method 8270C) - All samples were spiked with the internal standards 1,4-Diclorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 prior to sample analysis. The area counts and retention time shift of each internal standard in all samples associated with the soil data set were reported. All Internal Standard criteria in the soil samples in this data set QC criteria with the exception of the following:

Sample ID	Internal Standard	Sample ID	Internal Standard
PSS-10	Perylene-d12		
PSS-66	Perylene-d12	PSS-66RE	Perylene-d12
PSS-65	Perylene-d12	PSS-65RE	Perylene-d12
PSS-1	Perylene-d12	PSS-1 RE	Perylene-d12
PSS-4	Perylene-d12	PSS-4 RE	Perylene-d12
PSS-2	Perylene-d12	PSS-2 RE	Perylene-d12
PSS-2MS	Perylene-d12	PSS-2 MS	Perylene-d12
	Chrysene-d12		Chrysene-d12

The target analytes associated with these internal standards have been qualified "UJ/J" estimated as required by the validation guidelines. Qualified data result pages are located in Appendix B of this report.

ORGANIC DATA ASSESSMENT

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/Semivolatile Organic analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

9. 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 (EPA Method 8260B) – Fifteen (15) soil samples and two (2) aqueous samples are associated with this data set. The samples were analyzed in accordance with EPA Method 8260B. Samples reported the Target Compound List (TCL) of Volatile Organic Analytes. A Library Search was performed and Tentatively Identified compounds were reported when detected. Soil sample results are reported on a dry weight basis.

Samples were analyzed without dilution or interference except where noted in the above report or detailed below. All positive result data was correct as reported.

ORGANIC DATA ASSESSMENT

9. COMPOUND IDENTIFICATION (cont'd):

Semivolatile Organic Analyses (SW846 Method 8270C) – Fifteeen (15) soil samples and one (1) Equipment Blank sample are associated with this data set. Soil samples were extracted using 15 grams of sample. The final extract volume was 1 ml. The reporting limits on the result pages reflected the final dilution utilized in reporting the sample results.

Sample PSS-1 was initially analyzed using a 1:5 dilution. The sample chromatogram exhibited matrix interference. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria. The sample was reanalyzed. This analysis exhibited the same hump in the chromatogram. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated for the target analytes associated with this Internal Standard. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis.

Sample PSS-3 was initially analyzed using a 1:4 dilution due to the concentration of Pyrene (4400 ug/kg) detected in the sample. This sample chromatogram exhibited matrix interference.

Sample PSS-4 was initially analyzed using a 1:10 dilution. The sample chromatogram exhibited matrix interference. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria. The sample was reanalyzed. This analysis exhibited the same hump in the chromatogram. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated for the target analytes associated with this Internal Standard. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis.

Sample PSS-1 was initially analyzed using a 1:5 dilution. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis.

Sample PSS-10 was initially analyzed without dilution. The concentration of Phenanthrene, Fluoranthene, and Pyrene exceeded the calibration range of the instrument. These target analytes have been qualified "E" on the initial sample reports. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria inthis analysis. The sample was reanalyzed at a 1:5 dilution. All target analytes were reported within the calibration range of the instrument. The Internal Standard area counts in the dilution analysis met QC criteria. The data results in the initial analysis have been qualified "UJ/J" estimated for the target analytes associated with Perylene-d12. Sample reporting limits reflect the sample dilution utilized for the dilution analysis.

Sample PSS-12 was initially analyzed using a 1:2 dilution. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis.

Sample PSB-65 was initially analyzed using a 1:10 dilution. The sample chromatogram exhibited some matrix interference. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria. The sample was reanalyzed. This analysis exhibited the same hump in the chromatogram. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated for the target analytes associated with this Internal Standard. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis.

9. COMPOUND IDENTIFICATION (cont'd):

Sample PSB-66 was initially analyzed without dilution. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria. The sample was reanalyzed. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated for the target analytes associated with this Internal Standard. Target analytes are not detected above the reporting limit in this sample analysis.

Sample PSS-2 was initially analyzed using a 1:5 dilution. The sample chromatogram exhibited some matrix interference. The area counts of the Internal Standard Perylene-d12 exceeded QC criteria. The sample was reanalyzed. This analysis exhibited the same hump in the chromatogram. The Internal Standard area counts in the reanalysis confirmed matrix interference in this sample. The data results in both the initial analysis and sample re-analysis have been qualified "UJ/J" estimated for the target analytes associated with this Internal Standard. Target analytes are not detected above the reporting limit in this sample analysis. Sample reporting limits reflect the sample dilution utilized for this analysis. The result pages associated with the initial analysis of this sample did not include the target analyte Benzaldehyde due to a print error. The sample reanalysis did include this target analyte. Review of the target analyte indicated that this compound was not detected in the initial sample analysis. This data validator has added this analyte to the report page.

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in the validation report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. Any questions regarding deliverables or results have been addressed with the laboratory and a response was received. Copies of any correspondence between this validator and the laboratory are located in Appendix D of this report.

All sample results are reported to the method detection limit. Reporting limits and positive results are adjusted based on the sample volume utilized for each extraction procedure. All soil sample data is reported on a dry weight basis. All data provided for this data set is acceptable for use, with noted data qualifiers. The qualified data result pages are located in Appendix B of this report.

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TABLE 1

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FIELD SAMPLE ID	LABORATORY ID
PSS-1	S4751-01
PSS-3	S4751-02
PSS-4	S4751-03
PSS-5	S4751-04
PSS-6	S4751-05
PSS-7	S4751-06
PSS-8	S4751-07
PSS-9	S4751-08
PSS-10	S4751-09
PSS-11	S4751-10
PSS-12	S4751-11
PSB-65	S4751-12
PSB-66	S4751-13
EB-1	S4751-14
PSS-2	S4751-15
PSB-67	S4751-16
TB	S4751-17

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APPENDIX A

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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/unusable. 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.

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Premier Environmental Services

APPENDIX B

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-1	SDG No.:	S4751
Lab Sample ID:	S4751-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	7
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093017.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	5.4	1.3	ug/Kg
74-87-3	Chloromethane	0.36	U	5.4	0.36	ug/Kg
75-01-4	Vinyl chloride	0.25	U	5.4	0.25	ug/Kg
74-83-9	Bromomethane	0.76	U	5.4	0.76	ug/Kg
75-00-3	Chloroethane	0.56 UJ	U	5.4	0.56	ug/Kg
75-69-4	Trichlorofluoromethane	2.6	U	5.4	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	5.4	0.49	ug/Kg
75-35-4	1,1-Dichloroethene	0.23	U	5.4	0.23	ug/Kg
67-64-1	Acetone	18UJ	~~U~~	27	8.0	ug/Kg
75-15-0	Carbon disulfide	0.11	U	5.4	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25 UJ	U	5.4	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4 UJ	U	5.4	1.4	ug/Kg
75-09-2	Methylene Chloride	0.73 UJ	U	5.4	0.73	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	5.4	0.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.38	U	5.4	0.38	ug/Kg
110-82-7	Cyclohexane	0.33	U	5.4	0.33	ug/Kg
78-93-3	2-Butanone	2.4	U	27	2.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.32	U	5.4	0.32	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.38	U	5.4	0.38	ug/Kg
67-66-3	Chloroform	0.25	U	5.4	0.25	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.29	U	5.4	0.29	ug/Kg
108-87-2	Methylcyclohexane	6.9		5.4	0.38	ug/Kg
71-43-2	Benzene	0.22	U	5.4	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	5.4	3.3	ug/Kg
79-01-6	Trichloroethene	0.34	U	5.4	0.34	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	5.4	0.36	ug/Kg
75-27-4	Bromodichloromethane	0.36	U	5.4	0.36	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6 UJ	U	27	2.6	ug/Kg
108-88-3	Toluene	0.28	U	5.4	0.28	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28	U	5.4	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.21	U	5.4	0.21	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.54	U	5.4	0.54	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-1	SDG No.:	S4751
Lab Sample ID:	S4751-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	7
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093017.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.4	U	27	3.4	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	5.4	0.31	ug/Kg
106-93-4	1,2-Dibromoethane	0.45	U	5.4	0.45	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	5.4	0.68	ug/Kg
108-90-7	Chlorobenzene	0.38	U	5.4	0.38	ug/Kg
100-41-4	Ethyl Benzene	0.27	U	5.4	0.27	ug/Kg
136777-61-2	m/p-Xylenes	0.55	U	5.4	0.55	ug/Kg
95-47-6	o-Xylene	0.46	U	5.4	0.46	ug/Kg
100-42-5	Styrene	0.34	U	5.4	0.34	ug/Kg
75-25-2	Bromoform	0.32	U	5.4	0.32	ug/Kg
98-82-8	Isopropylbenzene	0.40	U	5.4	0.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.57	U	5.4	0.57	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.4	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.38	U	5.4	0.38	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	5.4	0.44	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.73 UJ	U	5.4	0.73	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.4	0.27	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.27	89 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.7	105 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	45.62	91 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	43.64	87 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	274841	3.97			
540-36-3	1,4-Difluorobenzene	571890	4.58			
3114-55-4	Chlorobenzene-d5	467565	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	213328	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
3522949	Hexane, 2,2,5-trimethyl-	47	J	5.82		ug/Kg
2207047	Cyclohexane, 1,4-dimethyl-, trans-	50	J	7.52		ug/Kg
493027	Naphthalene, decahydro-, trans-	63	J	8.76		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	76	J	9.10		ug/Kg

U = Not Detected
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E = Value Exceeds Calibration Range
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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-1	**SDG No.:**	S4751
Lab Sample ID:	S4751-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	7
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093017.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
41977462	Bicyclo[4.1.0]heptane, 2-methyl-	46	J	9.21		ug/Kg
6044719	Dodecane, 6-methyl-	54	J	9.42		ug/Kg
506525	1-Hexacosanol	52	J	9.48		ug/Kg
5911046	Nonane, 3-methyl-	91	J	9.72		ug/Kg
54340862	Benzene, 4-(2-butenyl)-1,2-dimethyl-, (	49	J	10.01		ug/Kg
98511	4-tert-Butyltoluene	40	J	10.09		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-3	**SDG No.:**	S4751
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	11
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093018.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.80	U	5.6	0.80	ug/Kg
75-00-3	Chloroethane	0.59 UJ	U	5.6	0.59	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.6	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	5.6	0.52	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.4 UJ	U	28	8.4	ug/Kg
75-15-0	Carbon disulfide	0.11	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26 UJ	U	5.6	0.26	ug/Kg
79-20-9	Methyl Acetate	1.4 UJ	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76 UJ	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42	U	5.6	0.42	ug/Kg
75-34-3	1,1-Dichloroethane	0.40	U	5.6	0.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.6	U	28	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.6	0.40	ug/Kg
67-66-3	Chloroform	0.27	U	5.6	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	5.6	0.40	ug/Kg
71-43-2	Benzene	0.23	U	5.6	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.6	3.5	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.38	U	5.6	0.38	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7 UJ	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.6	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	5.6	0.57	ug/Kg

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RL = Reporting Limit
MDL = Method Detection Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-3	**SDG No.:**	S4751
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	11
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093018.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.6	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	5.6	0.47	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.6	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.58	U	5.6	0.58	ug/Kg
95-47-6	o-Xylene	0.49	U	5.6	0.49	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.34	U	5.6	0.34	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	5.6	0.42	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.6	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	5.6	0.46	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	5.6	0.76	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.86	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	51.36	103 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	43.31	87 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50	100 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289493	3.97			
540-36-3	1,4-Difluorobenzene	568479	4.57			
3114-55-4	Chlorobenzene-d5	451885	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	151974	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
493027	Naphthalene, decahydro-, trans-	200	J	8.76		ug/Kg
61141808	Cyclohexane, 1,2-diethyl-3-methyl-	210	J	8.85		ug/Kg
74685339	3-Eicosene, (E)-	200	J	8.91		ug/Kg
17301303	Undecane, 3,8-dimethyl-	220	J	8.97		ug/Kg

U = Not Detected
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MDL = Method Detection Limit
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N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Langan Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-3	**SDG No.:**	S4751
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	11
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093018.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
29053041	Cyclopentane, 1-methyl-3-(2-methylpro	170	J	9.06		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	270	J	9.10		ug/Kg
180438	Spiro[5.5]undecane	380	J	9.21		ug/Kg
17312800	Undecane, 2,4-dimethyl-	180	J	9.32		ug/Kg
17301234	Undecane, 2,6-dimethyl-	460	J	9.42		ug/Kg
1618220	Naphthalene, decahydro-2,6-dimethyl-	440	J	9.49		ug/Kg

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-4	**SDG No.:**	S4751
Lab Sample ID:	S4751-03	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	13
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092641.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.7	1.4	ug/Kg
74-87-3	Chloromethane	0.38	U	5.7	0.38	ug/Kg
75-01-4	Vinyl chloride	0.27	U	5.7	0.27	ug/Kg
74-83-9	Bromomethane	0.81 UJ	U	5.7	0.81	ug/Kg
75-00-3	Chloroethane	0.60 UJ	U	5.7	0.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.7	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	5.7	0.53	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.7	0.25	ug/Kg
67-64-1	Acetone	8.6 UJ	U	29	8.6	ug/Kg
75-15-0	Carbon disulfide	0.12 UJ	U	5.7	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26	U	5.7	0.26	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.7	1.5	ug/Kg
75-09-2	Methylene Chloride	0.78 UJ	U	5.7	0.78	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.43	U	5.7	0.43	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	5.7	0.41	ug/Kg
110-82-7	Cyclohexane	0.35	U	5.7	0.35	ug/Kg
78-93-3	2-Butanone	2.6	U	29	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.34	U	5.7	0.34	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.7	0.40	ug/Kg
67-66-3	Chloroform	0.27	U	5.7	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.31	U	5.7	0.31	ug/Kg
108-87-2	Methylcyclohexane	6.4		5.7	0.41	ug/Kg
71-43-2	Benzene	0.23	U	5.7	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.7	3.5	ug/Kg
79-01-6	Trichloroethene	0.37	U	5.7	0.37	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.7	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	5.7	0.38	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8 UJ	U	29	2.8	ug/Kg
108-88-3	Toluene	1.4	J	5.7	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.29 UJ	U	5.7	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.7	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	5.7	0.58	ug/Kg

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RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-4	**SDG No.:**	S4751
Lab Sample ID:	S4751-03	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	13
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092641.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.7	U	29	3.7	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.7	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.48	U	5.7	0.48	ug/Kg
127-18-4	Tetrachloroethene	0.73 U J	U	5.7	0.73	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.7	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.7	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.59	U	5.7	0.59	ug/Kg
95-47-6	o-Xylene	3.6 J	J	5.7	0.50	ug/Kg
100-42-5	Styrene	0.36 U J	U	5.7	0.36	ug/Kg
75-25-2	Bromoform	0.34 U J	U	5.7	0.34	ug/Kg
98-82-8	Isopropylbenzene	120 J		5.7	0.43	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.61 U J	U	5.7	0.61	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.7	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.40	U	5.7	0.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	5.7	0.47	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.78	U	5.7	0.78	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.7	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.21	92 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	56.52	113 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	47.83	96 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.42	103 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241246	3.97			
540-36-3	1,4-Difluorobenzene	478471	4.57			
3114-55-4	Chlorobenzene-d5	291440	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	57347	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
14676290	Heptane, 3-ethyl-2-methyl-	410	J	7.72		ug/Kg
91178	Naphthalene, decahydro-	590	J	8.76		ug/Kg
61142709	Cyclohexane, 2,4-diethyl-1-methyl-	450	J	8.86		ug/Kg
64723360	Cyclopropane, 1-(2-methylbutyl)-1-(1-	380	J	8.91		ug/Kg

U = Not Detected
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-4	**SDG No.:**	S4751
Lab Sample ID:	S4751-03	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	13
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092641.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
6004382	4,7-Methano-1H-indene, octahydro-	380	J	9.04		ug/Kg
15932806	Cyclohexanone, 5-methyl-2-(1-methyle	570	J	9.10		ug/Kg
41977462	Bicyclo[4.1.0]heptane, 2-methyl-	590	J	9.21		ug/Kg
17312800	Undecane, 2,4-dimethyl-	330	J	9.32		ug/Kg
56324711	1H-Indene, 1-ethyloctahydro-7a-methyl-	740	J	9.41		ug/Kg
1618220	Naphthalene, decahydro-2,6-dimethyl-	450	J	9.49		ug/Kg

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N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-4RE	SDG No.:	S4751
Lab Sample ID:	S4751-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	13
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093019.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	UJ	5.7	1.4	ug/Kg
74-87-3	Chloromethane	0.38	U	5.7	0.38	ug/Kg
75-01-4	Vinyl chloride	0.27	U	5.7	0.27	ug/Kg
74-83-9	Bromomethane	0.81	U	5.7	0.81	ug/Kg
75-00-3	Chloroethane	0.60	U	5.7	0.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.7	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	5.7	0.53	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.7	0.25	ug/Kg
67-64-1	Acetone	8.6	U	29	8.6	ug/Kg
75-15-0	Carbon disulfide	0.12	U	5.7	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26	U	5.7	0.26	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.7	1.5	ug/Kg
75-09-2	Methylene Chloride	2.3	UJ	~~U~~ 5.7	0.78	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.43	UJ	U 5.7	0.43	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	5.7	0.41	ug/Kg
110-82-7	Cyclohexane	0.35	U	5.7	0.35	ug/Kg
78-93-3	2-Butanone	2.6	U	29	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.34	U	5.7	0.34	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.7	0.40	ug/Kg
67-66-3	Chloroform	0.27	U	5.7	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.31	U	5.7	0.31	ug/Kg
108-87-2	Methylcyclohexane	2.4	J	J 5.7	0.41	ug/Kg
71-43-2	Benzene	0.23	UJ	U 5.7	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.7	3.5	ug/Kg
79-01-6	Trichloroethene	0.37	U	5.7	0.37	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.7	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	5.7	0.38	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.7	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.7	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.7	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	5.7	0.58	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-4RE	SDG No.:	S4751
Lab Sample ID:	S4751-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	13
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093019.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.7	UJ	U 29	3.7	ug/Kg
124-48-1	Dibromochloromethane	0.33		U 5.7	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.48		U 5.7	0.48	ug/Kg
127-18-4	Tetrachloroethene	0.73		U 5.7	0.73	ug/Kg
108-90-7	Chlorobenzene	0.40		U 5.7	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.29		U 5.7	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.59		U 5.7	0.59	ug/Kg
95-47-6	o-Xylene	0.50		U 5.7	0.50	ug/Kg
100-42-5	Styrene	0.36		U 5.7	0.36	ug/Kg
75-25-2	Bromoform	0.34		U 5.7	0.34	ug/Kg
98-82-8	Isopropylbenzene	81	J	5.7	0.43	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.61	UJ	U 5.7	0.61	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24		U 5.7	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.40		U 5.7	0.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47		U 5.7	0.47	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.78		U 5.7	0.78	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29		U 5.7	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.55	103 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	60.48	121 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.22	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	23.15	46 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237461	3.97			
540-36-3	1,4-Difluorobenzene	492470	4.58			
3114-55-4	Chlorobenzene-d5	325928	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	65920	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
14676290	Heptane, 3-ethyl-2-methyl-	280	J	7.72		ug/Kg
91178	Naphthalene, decahydro-	220	J	8.76		ug/Kg
61142709	Cyclohexane, 2,4-diethyl-1-methyl-	190	J	8.86		ug/Kg
112925	1-Octadecanol	140	J	8.91		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-4RE	SDG No.:	S4751
Lab Sample ID:	S4751-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	13
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093019.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
6004382	4,7-Methano-1H-indene, octahydro-	170	J	9.04		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	210	J	9.10		ug/Kg
41977462	Bicyclo[4.1.0]heptane, 2-methyl-	230	J	9.21		ug/Kg
25117311	Tridecane, 5-methyl-	180	J	9.32		ug/Kg
66552623	Naphthalene, decahydro-1,5-dimethyl-	380	J	9.41		ug/Kg
41977451	Bicyclo[4.1.0]heptane, 7-pentyl-	290	J	9.49		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-5	**SDG No.:**	S4751
Lab Sample ID:	S4751-04	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	18
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093020.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	6.1	1.5	ug/Kg
74-87-3	Chloromethane	0.40	U	6.1	0.40	ug/Kg
75-01-4	Vinyl chloride	0.29	U	6.1	0.29	ug/Kg
74-83-9	Bromomethane	0.86	U	6.1	0.86	ug/Kg
75-00-3	Chloroethane	0.64 UJ	U	6.1	0.64	ug/Kg
75-69-4	Trichlorofluoromethane	3.0	U	6.1	3.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	U	6.1	0.56	ug/Kg
75-35-4	1,1-Dichloroethene	0.26	U	6.1	0.26	ug/Kg
67-64-1	Acetone	9.1 UJ	U	30	9.1	ug/Kg
75-15-0	Carbon disulfide	0.12	U	6.1	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.28 UJ	U	6.1	0.28	ug/Kg
79-20-9	Methyl Acetate	1.6 UJ	U	6.1	1.6	ug/Kg
75-09-2	Methylene Chloride	1.4 UBJ	JU	6.1	0.83	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	6.1	0.45	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	6.1	0.43	ug/Kg
110-82-7	Cyclohexane	0.37	U	6.1	0.37	ug/Kg
78-93-3	2-Butanone	2.8	U	30	2.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.36	U	6.1	0.36	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.43	U	6.1	0.43	ug/Kg
67-66-3	Chloroform	0.29	U	6.1	0.29	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.33	U	6.1	0.33	ug/Kg
108-87-2	Methylcyclohexane	0.43	U	6.1	0.43	ug/Kg
71-43-2	Benzene	0.25	U	6.1	0.25	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	6.1	3.8	ug/Kg
79-01-6	Trichloroethene	0.39	U	6.1	0.39	ug/Kg
78-87-5	1,2-Dichloropropane	0.41	U	6.1	0.41	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	6.1	0.41	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.9 UJ	U	30	2.9	ug/Kg
108-88-3	Toluene	0.32	U	6.1	0.32	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.31	U	6.1	0.31	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	6.1	0.24	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.62	U	6.1	0.62	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-5	**SDG No.:**	S4751
Lab Sample ID:	S4751-04	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	18
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093020.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.9	U	30	3.9	ug/Kg
124-48-1	Dibromochloromethane	0.35	U	6.1	0.35	ug/Kg
106-93-4	1,2-Dibromoethane	0.51	U	6.1	0.51	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	6.1	0.77	ug/Kg
108-90-7	Chlorobenzene	0.43	U	6.1	0.43	ug/Kg
100-41-4	Ethyl Benzene	0.30	U	6.1	0.30	ug/Kg
136777-61-2	m/p-Xylenes	0.63	U	6.1	0.63	ug/Kg
95-47-6	o-Xylene	0.53	U	6.1	0.53	ug/Kg
100-42-5	Styrene	0.38	U	6.1	0.38	ug/Kg
75-25-2	Bromoform	0.36	U	6.1	0.36	ug/Kg
98-82-8	Isopropylbenzene	0.45	U	6.1	0.45	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.65	U	6.1	0.65	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.26	U	6.1	0.26	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.43	U	6.1	0.43	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.50	U	6.1	0.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.83 UJ	U	6.1	0.83	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.30	U	6.1	0.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.12	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50.17	100 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	44.33	89 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	40.07	80 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	294878	3.97			
540-36-3	1,4-Difluorobenzene	571655	4.58			
3114-55-4	Chlorobenzene-d5	359236	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	121728	8.58			

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-6	**SDG No.:**	S4751
Lab Sample ID:	S4751-05	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	6
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092644.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	5.3	1.3	ug/Kg
74-87-3	Chloromethane	0.35	U	5.3	0.35	ug/Kg
75-01-4	Vinyl chloride	0.25	U	5.3	0.25	ug/Kg
74-83-9	Bromomethane	0.75 UJ	U	5.3	0.75	ug/Kg
75-00-3	Chloroethane	0.56 UJ	U	5.3	0.56	ug/Kg
75-69-4	Trichlorofluoromethane	2.6	U	5.3	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	5.3	0.49	ug/Kg
75-35-4	1,1-Dichloroethene	0.23	U	5.3	0.23	ug/Kg
67-64-1	Acetone	7.9 UJ	U	27	7.9	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.3	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24	U	5.3	0.24	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.3	1.4	ug/Kg
75-09-2	Methylene Chloride	0.72 UJ	U	5.3	0.72	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.39	U	5.3	0.39	ug/Kg
75-34-3	1,1-Dichloroethane	0.38	U	5.3	0.38	ug/Kg
110-82-7	Cyclohexane	0.32	U	5.3	0.32	ug/Kg
78-93-3	2-Butanone	2.4	U	27	2.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.32	U	5.3	0.32	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.37	U	5.3	0.37	ug/Kg
67-66-3	Chloroform	0.25	U	5.3	0.25	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.29	U	5.3	0.29	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	5.3	0.38	ug/Kg
71-43-2	Benzene	0.21	U	5.3	0.21	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	5.3	3.3	ug/Kg
79-01-6	Trichloroethene	0.34	U	5.3	0.34	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	5.3	0.36	ug/Kg
75-27-4	Bromodichloromethane	0.35	U	5.3	0.35	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6 UJ	U	27	2.6	ug/Kg
108-88-3	Toluene	0.28	U	5.3	0.28	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.27 UJ	U	5.3	0.27	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.21	U	5.3	0.21	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.54	U	5.3	0.54	ug/Kg

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-6	SDG No.:	S4751
Lab Sample ID:	S4751-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	6
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092644.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.4	U	27	3.4	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	5.3	0.31	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	5.3	0.44	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	5.3	0.68	ug/Kg
108-90-7	Chlorobenzene	0.37	U	5.3	0.37	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	5.3	0.26	ug/Kg
136777-61-2	m/p-Xylenes	0.55	U	5.3	0.55	ug/Kg
95-47-6	o-Xylene	0.46	U	5.3	0.46	ug/Kg
100-42-5	Styrene	0.33	U	5.3	0.33	ug/Kg
75-25-2	Bromoform	0.32	U	5.3	0.32	ug/Kg
98-82-8	Isopropylbenzene	0.39	U	5.3	0.39	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	5.3	0.56	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.22	U	5.3	0.22	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.37	U	5.3	0.37	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	5.3	0.44	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.72 CJ	U	5.3	0.72	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.3	0.27	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.73	81 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	54.86	110 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	54.93	110 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	49.88	100 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321910	3.97			
540-36-3	1,4-Difluorobenzene	587358	4.57			
3114-55-4	Chlorobenzene-d5	453364	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	186577	8.57			

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-7	**SDG No.:**	S4751
Lab Sample ID:	S4751-06	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	4
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092646.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	5.2	1.3	ug/Kg
74-87-3	Chloromethane	0.34	U	5.2	0.34	ug/Kg
75-01-4	Vinyl chloride	0.24	U	5.2	0.24	ug/Kg
74-83-9	Bromomethane	0.74 UJ	U	5.2	0.74	ug/Kg
75-00-3	Chloroethane	0.55 UJ	U	5.2	0.55	ug/Kg
75-69-4	Trichlorofluoromethane	2.6	U	5.2	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.48	U	5.2	0.48	ug/Kg
75-35-4	1,1-Dichloroethene	0.22	U	5.2	0.22	ug/Kg
67-64-1	Acetone	7.8 UJ	U	26	7.8	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.2	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24	U	5.2	0.24	ug/Kg
79-20-9	Methyl Acetate	1.3	U	5.2	1.3	ug/Kg
75-09-2	Methylene Chloride	0.71 UJ	U	5.2	0.71	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.39	U	5.2	0.39	ug/Kg
75-34-3	1,1-Dichloroethane	0.37	U	5.2	0.37	ug/Kg
110-82-7	Cyclohexane	0.32	U	5.2	0.32	ug/Kg
78-93-3	2-Butanone	2.4	U	26	2.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.31	U	5.2	0.31	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.37	U	5.2	0.37	ug/Kg
67-66-3	Chloroform	0.25	U	5.2	0.25	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.28	U	5.2	0.28	ug/Kg
108-87-2	Methylcyclohexane	0.37	U	5.2	0.37	ug/Kg
71-43-2	Benzene	0.21	U	5.2	0.21	ug/Kg
107-06-2	1,2-Dichloroethane	3.2	U	5.2	3.2	ug/Kg
79-01-6	Trichloroethene	0.33	U	5.2	0.33	ug/Kg
78-87-5	1,2-Dichloropropane	0.35	U	5.2	0.35	ug/Kg
75-27-4	Bromodichloromethane	0.35	U	5.2	0.35	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.5 UJ	U	26	2.5	ug/Kg
108-88-3	Toluene	0.27 B	U	5.2	0.27	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.27 UJ	U	5.2	0.27	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.20	U	5.2	0.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.53	U	5.2	0.53	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-7	SDG No.:	S4751
Lab Sample ID:	S4751-06	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	4
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092646.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.3	U	26	3.3	ug/Kg
124-48-1	Dibromochloromethane	0.30	U	5.2	0.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.43	U	5.2	0.43	ug/Kg
127-18-4	Tetrachloroethene	0.66	U	5.2	0.66	ug/Kg
108-90-7	Chlorobenzene	0.37	U	5.2	0.37	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	5.2	0.26	ug/Kg
136777-61-2	m/p-Xylenes	0.54	U	5.2	0.54	ug/Kg
95-47-6	o-Xylene	0.45	U	5.2	0.45	ug/Kg
100-42-5	Styrene	0.33	U	5.2	0.33	ug/Kg
75-25-2	Bromoform	0.31	U	5.2	0.31	ug/Kg
98-82-8	Isopropylbenzene	0.39	U	5.2	0.39	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.55	U	5.2	0.55	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.22	U	5.2	0.22	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.37	U	5.2	0.37	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.43	U	5.2	0.43	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.71 UJ	U	5.2	0.71	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.26	U	5.2	0.26	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.34	85 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	54.72	109 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	55.95	112 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	50.02	100 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293297	3.97			
540-36-3	1,4-Difluorobenzene	552052	4.57			
3114-55-4	Chlorobenzene-d5	404750	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	188333	8.57			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-8	**SDG No.:**	S4751
Lab Sample ID:	S4751-07	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	10
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092645.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.79 UJ	U	5.6	0.79	ug/Kg
75-00-3	Chloroethane	0.58 UJ	U	5.6	0.58	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	5.6	2.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	5.6	0.51	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.3 UJ	U	28	8.3	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25	U	5.6	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76 UJ	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.6	0.41	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	5.6	0.39	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.5	U	28	2.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	5.6	0.39	ug/Kg
67-66-3	Chloroform	0.26	U	5.6	0.26	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.39	U	5.6	0.39	ug/Kg
71-43-2	Benzene	0.22	U	5.6	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	5.6	3.4	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.37	U	5.6	0.37	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7 UJ	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28 UJ	U	5.6	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-8	SDG No.:	S4751
Lab Sample ID:	S4751-07	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092645.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	5.6	0.32	ug/Kg
106-93-4	1,2-Dibromoethane	0.46	U	5.6	0.46	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.39	U	5.6	0.39	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.57	U	5.6	0.57	ug/Kg
95-47-6	o-Xylene	0.48	U	5.6	0.48	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.33	U	5.6	0.33	ug/Kg
98-82-8	Isopropylbenzene	0.41 U J	U	5.6	0.41	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.6	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.45	U	5.6	0.45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	5.6	0.75	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.48	79 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	53.38	107 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.08	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	41.91	84 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	293526	3.97			
540-36-3	1,4-Difluorobenzene	566065	4.57			
3114-55-4	Chlorobenzene-d5	366224	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	119535	8.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-8RE	SDG No.:	S4751
Lab Sample ID:	S4751-07RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093021.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U J	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.79	U	5.6	0.79	ug/Kg
75-00-3	Chloroethane	0.58	U	5.6	0.58	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	5.6	2.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	5.6	0.51	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.3	U	28	8.3	ug/Kg
75-15-0	Carbon disulfide	0.11	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25	U	5.6	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.6	0.41	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	5.6	0.39	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.5	U	28	2.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	5.6	0.39	ug/Kg
67-66-3	Chloroform	0.26	U	5.6	0.26	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.39	U	5.6	0.39	ug/Kg
71-43-2	Benzene	0.22	U	5.6	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	5.6	3.4	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.37	U	5.6	0.37	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28	U	5.6	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	ug/Kg

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-8RE	SDG No.:	S4751
Lab Sample ID:	S4751-07RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093021.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	UJ	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	5.6	0.32	ug/Kg
106-93-4	1,2-Dibromoethane	0.46	U	5.6	0.46	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.39	U	5.6	0.39	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.57	U	5.6	0.57	ug/Kg
95-47-6	o-Xylene	0.48	U	5.6	0.48	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.33	U	5.6	0.33	ug/Kg
98-82-8	Isopropylbenzene	0.41	U	5.6	0.41	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.6	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.45	U	5.6	0.45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	5.6	0.75	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	34.3	69 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	49.44	99 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	44.11	88 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	40.52	81 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281561	3.97			
540-36-3	1,4-Difluorobenzene	551052	4.57			
3114-55-4	Chlorobenzene-d5	350149	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	128004	8.58			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-9	SDG No.:	S4751
Lab Sample ID:	S4751-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	7
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092650.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	5.4	1.3	ug/Kg
74-87-3	Chloromethane	0.36	U	5.4	0.36	ug/Kg
75-01-4	Vinyl chloride	0.25	U	5.4	0.25	ug/Kg
74-83-9	Bromomethane	0.76 UJ	U	5.4	0.76	ug/Kg
75-00-3	Chloroethane	0.56 UJ	U	5.4	0.56	ug/Kg
75-69-4	Trichlorofluoromethane	2.6	U	5.4	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	5.4	0.49	ug/Kg
75-35-4	1,1-Dichloroethene	0.23	U	5.4	0.23	ug/Kg
67-64-1	Acetone	8.0 UJ	U	27	8.0	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.4	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25	U	5.4	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.4	1.4	ug/Kg
75-09-2	Methylene Chloride	0.73 UJ	U	5.4	0.73	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	5.4	0.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.38	U	5.4	0.38	ug/Kg
110-82-7	Cyclohexane	0.33	U	5.4	0.33	ug/Kg
78-93-3	2-Butanone	2.4	U	27	2.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.32	U	5.4	0.32	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.38	U	5.4	0.38	ug/Kg
67-66-3	Chloroform	0.25	U	5.4	0.25	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.29	U	5.4	0.29	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	5.4	0.38	ug/Kg
71-43-2	Benzene	0.22	U	5.4	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	5.4	3.3	ug/Kg
79-01-6	Trichloroethene	0.34	U	5.4	0.34	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	5.4	0.36	ug/Kg
75-27-4	Bromodichloromethane	0.36	U	5.4	0.36	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6 UJ	U	27	2.6	ug/Kg
108-88-3	Toluene	0.28	U	5.4	0.28	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28 UJ	U	5.4	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.21	U	5.4	0.21	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.54	U	5.4	0.54	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-9	SDG No.:	S4751
Lab Sample ID:	S4751-08	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	7
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092650.D	1	9/26/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.4	U	27	3.4	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	5.4	0.31	ug/Kg
106-93-4	1,2-Dibromoethane	0.45	U	5.4	0.45	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	5.4	0.68	ug/Kg
108-90-7	Chlorobenzene	0.38	U	5.4	0.38	ug/Kg
100-41-4	Ethyl Benzene	0.27	U	5.4	0.27	ug/Kg
136777-61-2	m/p-Xylenes	0.55	U	5.4	0.55	ug/Kg
95-47-6	o-Xylene	0.46	U	5.4	0.46	ug/Kg
100-42-5	Styrene	0.34	U	5.4	0.34	ug/Kg
75-25-2	Bromoform	0.32	U	5.4	0.32	ug/Kg
98-82-8	Isopropylbenzene	0.40	U	5.4	0.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.57	U	5.4	0.57	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.4	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.38	U	5.4	0.38	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	5.4	0.44	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.73 UJ	U	5.4	0.73	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.4	0.27	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.09	80 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	54.02	108 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.81	102 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	48.33	97 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304078	3.97			
540-36-3	1,4-Difluorobenzene	569870	4.57			
3114-55-4	Chlorobenzene-d5	439846	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	199145	8.57			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-10	SDG No.:	S4751
Lab Sample ID:	S4751-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	6
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093022.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.3	U	5.3	1.3	ug/Kg
74-87-3	Chloromethane	0.35	U	5.3	0.35	ug/Kg
75-01-4	Vinyl chloride	0.25	U	5.3	0.25	ug/Kg
74-83-9	Bromomethane	0.75	U	5.3	0.75	ug/Kg
75-00-3	Chloroethane	0.56 UJ	U	5.3	0.56	ug/Kg
75-69-4	Trichlorofluoromethane	2.6	U	5.3	2.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	5.3	0.49	ug/Kg
75-35-4	1,1-Dichloroethene	0.23	U	5.3	0.23	ug/Kg
67-64-1	Acetone	7.9 UJ	U	27	7.9	ug/Kg
75-15-0	Carbon disulfide	0.11	U	5.3	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.24 UJ	U	5.3	0.24	ug/Kg
79-20-9	Methyl Acetate	1.4 UJ	U	5.3	1.4	ug/Kg
75-09-2	Methylene Chloride	0.72 UJ	U	5.3	0.72	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.39	U	5.3	0.39	ug/Kg
75-34-3	1,1-Dichloroethane	0.38	U	5.3	0.38	ug/Kg
110-82-7	Cyclohexane	0.32	U	5.3	0.32	ug/Kg
78-93-3	2-Butanone	2.4	U	27	2.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.32	U	5.3	0.32	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.37	U	5.3	0.37	ug/Kg
67-66-3	Chloroform	0.25	U	5.3	0.25	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.29	U	5.3	0.29	ug/Kg
108-87-2	Methylcyclohexane	0.38	U	5.3	0.38	ug/Kg
71-43-2	Benzene	0.21	U	5.3	0.21	ug/Kg
107-06-2	1,2-Dichloroethane	3.3	U	5.3	3.3	ug/Kg
79-01-6	Trichloroethene	0.34	U	5.3	0.34	ug/Kg
78-87-5	1,2-Dichloropropane	0.36	U	5.3	0.36	ug/Kg
75-27-4	Bromodichloromethane	0.35	U	5.3	0.35	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.6 UJ	U	27	2.6	ug/Kg
108-88-3	Toluene	0.28	U	5.3	0.28	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.27	U	5.3	0.27	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.21	U	5.3	0.21	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.54	U	5.3	0.54	ug/Kg

U = Not Detected
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-10	SDG No.:	S4751
Lab Sample ID:	S4751-09	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	6
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093022.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.4	U	27	3.4	ug/Kg
124-48-1	Dibromochloromethane	0.31	U	5.3	0.31	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	5.3	0.44	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	5.3	0.68	ug/Kg
108-90-7	Chlorobenzene	0.37	U	5.3	0.37	ug/Kg
100-41-4	Ethyl Benzene	0.26	U	5.3	0.26	ug/Kg
136777-61-2	m/p-Xylenes	0.55	U	5.3	0.55	ug/Kg
95-47-6	o-Xylene	0.46	U	5.3	0.46	ug/Kg
100-42-5	Styrene	0.33	U	5.3	0.33	ug/Kg
75-25-2	Bromoform	0.32	U	5.3	0.32	ug/Kg
98-82-8	Isopropylbenzene	0.39	U	5.3	0.39	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	5.3	0.56	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.22	U	5.3	0.22	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.37	U	5.3	0.37	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	5.3	0.44	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.72 U J	U	5.3	0.72	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.3	0.27	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.11	80 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	51.25	102 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	45.4	91 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	41.61	83 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	291444	3.97			
540-36-3	1,4-Difluorobenzene	558441	4.57			
3114-55-4	Chlorobenzene-d5	407674	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	164483	8.58			

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-11	SDG No.:	S4751
Lab Sample ID:	S4751-10	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092652.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	6.2	1.5	ug/Kg
74-87-3	Chloromethane	0.41	U	6.2	0.41	ug/Kg
75-01-4	Vinyl chloride	0.29	U	6.2	0.29	ug/Kg
74-83-9	Bromomethane	0.88 UJ	U	6.2	0.88	ug/Kg
75-00-3	Chloroethane	0.66 UJ	U	6.2	0.66	ug/Kg
75-69-4	Trichlorofluoromethane	3.1	U	6.2	3.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	6.2	0.57	ug/Kg
75-35-4	1,1-Dichloroethene	0.27	U	6.2	0.27	ug/Kg
67-64-1	Acetone	9.3 UJ	U	31	9.3	ug/Kg
75-15-0	Carbon disulfide	0.13 UJ	U	6.2	0.13	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.29	U	6.2	0.29	ug/Kg
79-20-9	Methyl Acetate	1.6	U	6.2	1.6	ug/Kg
75-09-2	Methylene Chloride	0.85 UJ	U	6.2	0.85	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	6.2	0.46	ug/Kg
75-34-3	1,1-Dichloroethane	0.44	U	6.2	0.44	ug/Kg
110-82-7	Cyclohexane	0.38	U	6.2	0.38	ug/Kg
78-93-3	2-Butanone	2.8	U	31	2.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.37	U	6.2	0.37	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	6.2	0.44	ug/Kg
67-66-3	Chloroform	0.30	U	6.2	0.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.34	U	6.2	0.34	ug/Kg
108-87-2	Methylcyclohexane	0.44	U	6.2	0.44	ug/Kg
71-43-2	Benzene	0.25	U	6.2	0.25	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	6.2	3.8	ug/Kg
79-01-6	Trichloroethene	0.40	U	6.2	0.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.42	U	6.2	0.42	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	6.2	0.42	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.0 UJ	U	31	3.0	ug/Kg
108-88-3	Toluene	0.32	U	6.2	0.32	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.32 UJ	U	6.2	0.32	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	6.2	0.24	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	6.2	0.63	ug/Kg

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-11	SDG No.:	S4751
Lab Sample ID:	S4751-10	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	20
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092652.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.0	U	31	4.0	ug/Kg
124-48-1	Dibromochloromethane	0.36	U	6.2	0.36	ug/Kg
106-93-4	1,2-Dibromoethane	0.52	U	6.2	0.52	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	6.2	0.79	ug/Kg
108-90-7	Chlorobenzene	0.44	U	6.2	0.44	ug/Kg
100-41-4	Ethyl Benzene	0.31	U	6.2	0.31	ug/Kg
136777-61-2	m/p-Xylenes	0.64	U	6.2	0.64	ug/Kg
95-47-6	o-Xylene	0.54	U	6.2	0.54	ug/Kg
100-42-5	Styrene	0.39	U	6.2	0.39	ug/Kg
75-25-2	Bromoform	0.37	U	6.2	0.37	ug/Kg
98-82-8	Isopropylbenzene	0.46	U J	6.2	0.46	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.66	U	6.2	0.66	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.26	U	6.2	0.26	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	6.2	0.44	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.51	U	6.2	0.51	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	6.2	0.85	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.31	U	6.2	0.31	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.1	82 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	53.49	107 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	49.9	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	40.84	82 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	280511	3.97			
540-36-3	1,4-Difluorobenzene	547858	4.57			
3114-55-4	Chlorobenzene-d5	363229	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	129531	8.58			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-11RE	**SDG No.:**	S4751
Lab Sample ID:	S4751-10RE	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	20
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093023.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5 U J	U	6.2	1.5	ug/Kg
74-87-3	Chloromethane	0.41	U	6.2	0.41	ug/Kg
75-01-4	Vinyl chloride	0.29	U	6.2	0.29	ug/Kg
74-83-9	Bromomethane	0.88	U	6.2	0.88	ug/Kg
75-00-3	Chloroethane	0.66	U	6.2	0.66	ug/Kg
75-69-4	Trichlorofluoromethane	3.1	U	6.2	3.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.57	U	6.2	0.57	ug/Kg
75-35-4	1,1-Dichloroethene	0.27	U	6.2	0.27	ug/Kg
67-64-1	Acetone	12 U J	~~J~~ U	31	9.3	ug/Kg
75-15-0	Carbon disulfide	0.13 U J	U	6.2	0.13	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.29	U	6.2	0.29	ug/Kg
79-20-9	Methyl Acetate	1.6	U	6.2	1.6	ug/Kg
75-09-2	Methylene Chloride	0.85	U	6.2	0.85	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.46	U	6.2	0.46	ug/Kg
75-34-3	1,1-Dichloroethane	0.44	U	6.2	0.44	ug/Kg
110-82-7	Cyclohexane	0.38	U	6.2	0.38	ug/Kg
78-93-3	2-Butanone	2.8	U	31	2.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.37	U	6.2	0.37	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	6.2	0.44	ug/Kg
67-66-3	Chloroform	0.30	U	6.2	0.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.34	U	6.2	0.34	ug/Kg
108-87-2	Methylcyclohexane	0.44	U	6.2	0.44	ug/Kg
71-43-2	Benzene	0.25	U	6.2	0.25	ug/Kg
107-06-2	1,2-Dichloroethane	3.8	U	6.2	3.8	ug/Kg
79-01-6	Trichloroethene	0.40	U	6.2	0.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.42	U	6.2	0.42	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	6.2	0.42	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.0	U	31	3.0	ug/Kg
108-88-3	Toluene	0.32	U	6.2	0.32	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.32	U	6.2	0.32	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.24	U	6.2	0.24	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	6.2	0.63	ug/Kg

U = Not Detected
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-11RE	**SDG No.:**	S4751
Lab Sample ID:	S4751-10RE	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	20
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093023.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.0 UJ	U	31	4.0	ug/Kg
124-48-1	Dibromochloromethane	0.36	U	6.2	0.36	ug/Kg
106-93-4	1,2-Dibromoethane	0.52	U	6.2	0.52	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	6.2	0.79	ug/Kg
108-90-7	Chlorobenzene	0.44	U	6.2	0.44	ug/Kg
100-41-4	Ethyl Benzene	0.31	U	6.2	0.31	ug/Kg
136777-61-2	m/p-Xylenes	0.64	U	6.2	0.64	ug/Kg
95-47-6	o-Xylene	0.54	U	6.2	0.54	ug/Kg
100-42-5	Styrene	0.39	U	6.2	0.39	ug/Kg
75-25-2	Bromoform	0.37	U	6.2	0.37	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	6.2	0.46	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.66	U	6.2	0.66	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.26	U	6.2	0.26	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.44	U	6.2	0.44	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.51	U	6.2	0.51	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	6.2	0.85	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.31	U	6.2	0.31	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	34.51	69 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	51.07	102 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	46.06	92 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.05	102 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	292532	3.97			
540-36-3	1,4-Difluorobenzene	562787	4.58			
3114-55-4	Chlorobenzene-d5	435848	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	224678	8.57			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-12	SDG No.:	S4751
Lab Sample ID:	S4751-11	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	15
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092653.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	5.9	1.5	ug/Kg
74-87-3	Chloromethane	0.39	U	5.9	0.39	ug/Kg
75-01-4	Vinyl chloride	0.28	U	5.9	0.28	ug/Kg
74-83-9	Bromomethane	0.83 UJ	U	5.9	0.83	ug/Kg
75-00-3	Chloroethane	0.62 UJ	U	5.9	0.62	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	5.9	2.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	U	5.9	0.54	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.9	0.25	ug/Kg
67-64-1	Acetone	8.8 UJ	U	29	8.8	ug/Kg
75-15-0	Carbon disulfide	0.12 UJ	U	5.9	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.27	U	5.9	0.27	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.9	1.5	ug/Kg
75-09-2	Methylene Chloride	0.80 UJ	U	5.9	0.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.9	0.44	ug/Kg
75-34-3	1,1-Dichloroethane	0.42	U	5.9	0.42	ug/Kg
110-82-7	Cyclohexane	0.36	U	5.9	0.36	ug/Kg
78-93-3	2-Butanone	2.7	U	29	2.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.35	U	5.9	0.35	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	5.9	0.41	ug/Kg
67-66-3	Chloroform	0.28	U	5.9	0.28	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.32	U	5.9	0.32	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	5.9	0.42	ug/Kg
71-43-2	Benzene	0.24	U	5.9	0.24	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	5.9	3.6	ug/Kg
79-01-6	Trichloroethene	0.38	U	5.9	0.38	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.9	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.39	U	5.9	0.39	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8 UJ	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.9	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.30 UJ	U	5.9	0.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.23	U	5.9	0.23	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	5.9	0.60	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-12	SDG No.:	S4751
Lab Sample ID:	S4751-11	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	15
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092653.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.8	U	29	3.8	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	5.9	0.34	ug/Kg
106-93-4	1,2-Dibromoethane	0.49	U	5.9	0.49	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	5.9	0.75	ug/Kg
108-90-7	Chlorobenzene	0.41	U	5.9	0.41	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.9	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.60	U	5.9	0.60	ug/Kg
95-47-6	o-Xylene	0.51	U	5.9	0.51	ug/Kg
100-42-5	Styrene	0.37	U	5.9	0.37	ug/Kg
75-25-2	Bromoform	0.35	U	5.9	0.35	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	5.9	0.44	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	5.9	0.62	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.25	U	5.9	0.25	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.9	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	5.9	0.48	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.80 UJ	U	5.9	0.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.9	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.09	82 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.97	106 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.3	101 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	39.45	79 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	291158	3.97			
540-36-3	1,4-Difluorobenzene	559218	4.58			
3114-55-4	Chlorobenzene-d5	396703	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	183571	8.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSB-65	SDG No.:	S4751
Lab Sample ID:	S4751-12	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	15
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092655.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.5	U	5.9	1.5	ug/Kg
74-87-3	Chloromethane	0.39	U	5.9	0.39	ug/Kg
75-01-4	Vinyl chloride	0.28	U	5.9	0.28	ug/Kg
74-83-9	Bromomethane	0.83 U J	U	5.9	0.83	ug/Kg
75-00-3	Chloroethane	0.62 U J	U	5.9	0.62	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	5.9	2.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.54	U	5.9	0.54	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.9	0.25	ug/Kg
67-64-1	Acetone	8.8 U J	U	29	8.8	ug/Kg
75-15-0	Carbon disulfide	0.12 U J	U	5.9	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.27	U	5.9	0.27	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.9	1.5	ug/Kg
75-09-2	Methylene Chloride	0.80 U J	U	5.9	0.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.9	0.44	ug/Kg
75-34-3	1,1-Dichloroethane	0.42	U	5.9	0.42	ug/Kg
110-82-7	Cyclohexane	0.36	U	5.9	0.36	ug/Kg
78-93-3	2-Butanone	2.7	U	29	2.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.35	U	5.9	0.35	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	5.9	0.41	ug/Kg
67-66-3	Chloroform	0.28	U	5.9	0.28	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.32	U	5.9	0.32	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	5.9	0.42	ug/Kg
71-43-2	Benzene	0.24	U	5.9	0.24	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	5.9	3.6	ug/Kg
79-01-6	Trichloroethene	0.38	U	5.9	0.38	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.9	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.39	U	5.9	0.39	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8 U J	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.9	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.30 U J	U	5.9	0.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.23	U	5.9	0.23	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	5.9	0.60	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSB-65	SDG No.:	S4751
Lab Sample ID:	S4751-12	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	15
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092655.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.8	U	29	3.8	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	5.9	0.34	ug/Kg
106-93-4	1,2-Dibromoethane	0.49	U	5.9	0.49	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	5.9	0.75	ug/Kg
108-90-7	Chlorobenzene	0.41	U	5.9	0.41	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.9	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.60	U	5.9	0.60	ug/Kg
95-47-6	o-Xylene	0.51	U	5.9	0.51	ug/Kg
100-42-5	Styrene	0.37	U	5.9	0.37	ug/Kg
75-25-2	Bromoform	0.35	U	5.9	0.35	ug/Kg
98-82-8	Isopropylbenzene	0.44	U	5.9	0.44	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	5.9	0.62	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.25	U	5.9	0.25	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.9	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	5.9	0.48	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.80 UJ	U	5.9	0.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.9	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.59	81 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	53.38	107 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	46.6	93 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	42.66	85 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289883	3.97			
540-36-3	1,4-Difluorobenzene	551644	4.57			
3114-55-4	Chlorobenzene-d5	398818	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	175885	8.58			
TENTITIVE IDENTIFIED COMPOUNDS						
111842	Nonane	24	J	7.32		ug/Kg
1120214	Undecane	24	J	8.81		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSB-66	SDG No.:	S4751
Lab Sample ID:	S4751-13	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	11
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092656.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.80 U J	U	5.6	0.80	ug/Kg
75-00-3	Chloroethane	0.59 U J	U	5.6	0.59	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.6	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	5.6	0.52	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.4 U J	U	28	8.4	ug/Kg
75-15-0	Carbon disulfide	0.11 U J	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26	U	5.6	0.26	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76 U J	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42	U	5.6	0.42	ug/Kg
75-34-3	1,1-Dichloroethane	0.40	U	5.6	0.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.6	U	28	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.6	0.40	ug/Kg
67-66-3	Chloroform	0.27	U	5.6	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	5.6	0.40	ug/Kg
71-43-2	Benzene	0.23	U	5.6	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.6	3.5	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.38	U	5.6	0.38	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7 U J	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.29 U J	U	5.6	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	5.6	0.57	ug/Kg

U = Not Detected
RL = Reporting Limit
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSB-66	**SDG No.:**	S4751
Lab Sample ID:	S4751-13	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	11
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092656.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.6	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	5.6	0.47	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.6	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.58	U	5.6	0.58	ug/Kg
95-47-6	o-Xylene	0.49	U	5.6	0.49	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.34	U	5.6	0.34	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	5.6	0.42	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.6	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	5.6	0.46	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76 UJ	U	5.6	0.76	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.23	82 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.22	104 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	46.08	92 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	42.35	85 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289872	3.97			
540-36-3	1,4-Difluorobenzene	556364	4.57			
3114-55-4	Chlorobenzene-d5	397957	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	181567	8.57			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	EB-1	**SDG No.:**	S4751
Lab Sample ID:	S4751-14	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH092326.D	1	9/24/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.33	U	5.0	0.33	ug/L
74-87-3	Chloromethane	0.68	U	5.0	0.68	ug/L
75-01-4	Vinyl chloride	0.27	U	5.0	0.27	ug/L
74-83-9	Bromomethane	0.78	U	5.0	0.78	ug/L
75-00-3	Chloroethane	0.88	U	5.0	0.88	ug/L
75-69-4	Trichlorofluoromethane	0.58	U	5.0	0.58	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	5.0	0.69	ug/L
75-35-4	1,1-Dichloroethene	0.32	U	5.0	0.32	ug/L
67-64-1	Acetone	3.3	J	25	3.3	ug/L
75-15-0	Carbon disulfide	0.39	U	5.0	0.39	ug/L
1634-04-4	Methyl tert-butyl Ether	0.36	U	5.0	0.36	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	0.62	U	5.0	0.62	ug/L
156-60-5	trans-1,2-Dichloroethene	0.51	U	5.0	0.51	ug/L
75-34-3	1,1-Dichloroethane	0.22	U	5.0	0.22	ug/L
110-82-7	Cyclohexane	0.37	U	5.0	0.37	ug/L
78-93-3	2-Butanone	2.8	U	25	2.8	ug/L
56-23-5	Carbon Tetrachloride	0.47	U	5.0	0.47	ug/L
156-59-2	cis-1,2-Dichloroethene	0.77	U	5.0	0.77	ug/L
67-66-3	Chloroform	0.58	U	5.0	0.58	ug/L
71-55-6	1,1,1-Trichloroethane	0.41	U	5.0	0.41	ug/L
71-43-2	Benzene	0.24	U	5.0	0.24	ug/L
107-06-2	1,2-Dichloroethane	0.32	U	5.0	0.32	ug/L
79-01-6	Trichloroethene	0.67	U	5.0	0.67	ug/L
78-87-5	1,2-Dichloropropane	0.63	U	5.0	0.63	ug/L
75-27-4	Bromodichloromethane	0.35	U	5.0	0.35	ug/L
108-10-1	4-Methyl-2-Pentanone	1.3	U	25	1.3	ug/L
108-88-3	Toluene	0.39	U	5.0	0.39	ug/L
10061-02-6	t-1,3-Dichloropropene	0.42	U	5.0	0.42	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.15	U	5.0	0.15	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	5.0	0.52	ug/L
591-78-6	2-Hexanone	0.66 UJ	U	25	0.66	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	EB-1	SDG No.:	S4751
Lab Sample ID:	S4751-14	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Vol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH092326.D	1	9/24/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
124-48-1	Dibromochloromethane	0.38	U	5.0	0.38	ug/L
106-93-4	1,2-Dibromoethane	0.63	U	5.0	0.63	ug/L
127-18-4	Tetrachloroethene	0.33	U	5.0	0.33	ug/L
108-90-7	Chlorobenzene	0.37	U	5.0	0.37	ug/L
100-41-4	Ethyl Benzene	0.41	U	5.0	0.41	ug/L
136777-61-2	m/p-Xylenes	0.96	U	5.0	0.96	ug/L
95-47-6	o-Xylene	0.37	U	5.0	0.37	ug/L
100-42-5	Styrene	0.34	U	5.0	0.34	ug/L
75-25-2	Bromoform	0.25	U J	5.0	0.25	ug/L
98-82-8	Isopropylbenzene	0.33	U	5.0	0.33	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
106-46-7	1,4-Dichlorobenzene	0.39	U	5.0	0.39	ug/L
95-50-1	1,2-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.94	U	5.0	0.94	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.18	100 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	45.75	92 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.61	93 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.01	96 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1531809	5.07			
540-36-3	1,4-Difluorobenzene	2698167	5.59			
3114-55-4	Chlorobenzene-d5	1902203	8.63			
3855-82-1	1,4-Dichlorobenzene-d4	544473	10.72			

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J = Estimated Value
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-2	SDG No.:	S4751
Lab Sample ID:	S4751-15	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092657.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.79 UJ	U	5.6	0.79	ug/Kg
75-00-3	Chloroethane	0.58 UJ	U	5.6	0.58	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	5.6	2.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	5.6	0.51	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.3 UJ	U	28	8.3	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25	U	5.6	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76 UJ	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.6	0.41	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	5.6	0.39	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.5	U	28	2.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	5.6	0.39	ug/Kg
67-66-3	Chloroform	0.26	U	5.6	0.26	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.39	U	5.6	0.39	ug/Kg
71-43-2	Benzene	0.22	U	5.6	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	5.6	3.4	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.37	U	5.6	0.37	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7 UJ	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29 J	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28 UJ	U	5.6	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	ug/Kg

U = Not Detected
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J = Estimated Value
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-2	SDG No.:	S4751
Lab Sample ID:	S4751-15	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092657.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	5.6	0.32	ug/Kg
106-93-4	1,2-Dibromoethane	0.46	U	5.6	0.46	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.39	U	5.6	0.39	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.57	U	5.6	0.57	ug/Kg
95-47-6	o-Xylene	0.48	U	5.6	0.48	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.33	U	5.6	0.33	ug/Kg
98-82-8	Isopropylbenzene	0.41 U J	U	5.6	0.41	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.6	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.45	U	5.6	0.45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	5.6	0.75	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.5	81 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.96	106 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	46.45	93 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	42.66	85 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	291554	3.97			
540-36-3	1,4-Difluorobenzene	558796	4.57			
3114-55-4	Chlorobenzene-d5	363086	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	148406	8.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSS-2RE	**SDG No.:**	S4751
Lab Sample ID:	S4751-15RE	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	10
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093024.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	UJ	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.79	U	5.6	0.79	ug/Kg
75-00-3	Chloroethane	0.58	U	5.6	0.58	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	5.6	2.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51	U	5.6	0.51	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	8.3	U	28	8.3	ug/Kg
75-15-0	Carbon disulfide	0.11	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.25	U	5.6	0.25	ug/Kg
79-20-9	Methyl Acetate	1.4	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	0.76	U	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.6	0.41	ug/Kg
75-34-3	1,1-Dichloroethane	0.39	U	5.6	0.39	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.5	U	28	2.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	5.6	0.39	ug/Kg
67-66-3	Chloroform	0.26	U	5.6	0.26	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.39	U	5.6	0.39	ug/Kg
71-43-2	Benzene	0.22	U	5.6	0.22	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	5.6	3.4	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.37	U	5.6	0.37	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.28	U	5.6	0.28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.56	U	5.6	0.56	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSS-2RE	SDG No.:	S4751
Lab Sample ID:	S4751-15RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	10
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093024.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U J U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.32	U	5.6	0.32	ug/Kg
106-93-4	1,2-Dibromoethane	0.46	U	5.6	0.46	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.39	U	5.6	0.39	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	0.57	U	5.6	0.57	ug/Kg
95-47-6	o-Xylene	0.48	U	5.6	0.48	ug/Kg
100-42-5	Styrene	0.35	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.33	U	5.6	0.33	ug/Kg
98-82-8	Isopropylbenzene	0.41	U	5.6	0.41	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.23	U	5.6	0.23	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.45	U	5.6	0.45	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	5.6	0.75	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.49	65 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	48.25	96 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	45.2	90 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	46.42	93 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	288776	3.97			
540-36-3	1,4-Difluorobenzene	552881	4.58			
3114-55-4	Chlorobenzene-d5	395825	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	186314	8.58			

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSB-67	SDG No.:	S4751
Lab Sample ID:	S4751-16	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092658.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.8	1.4	ug/Kg
74-87-3	Chloromethane	0.38	U	5.8	0.38	ug/Kg
75-01-4	Vinyl chloride	0.27	U	5.8	0.27	ug/Kg
74-83-9	Bromomethane	0.82 UJ	U	5.8	0.82	ug/Kg
75-00-3	Chloroethane	0.61 UJ	U	5.8	0.61	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	5.8	2.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	5.8	0.53	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.8	0.25	ug/Kg
67-64-1	Acetone	8.7 UJ	U	29	8.7	ug/Kg
75-15-0	Carbon disulfide	0.12 UJ	U	5.8	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.27	U	5.8	0.27	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.8	1.5	ug/Kg
75-09-2	Methylene Chloride	0.79 UJ	U	5.8	0.79	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.43	U	5.8	0.43	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	5.8	0.41	ug/Kg
110-82-7	Cyclohexane	0.35	U	5.8	0.35	ug/Kg
78-93-3	2-Butanone	2.6	U	29	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.35	U	5.8	0.35	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	5.8	0.41	ug/Kg
67-66-3	Chloroform	0.28	U	5.8	0.28	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.32	U	5.8	0.32	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	5.8	0.41	ug/Kg
71-43-2	Benzene	0.23	U	5.8	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	5.8	3.6	ug/Kg
79-01-6	Trichloroethene	0.37	U	5.8	0.37	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.8	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.39	U	5.8	0.39	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8 UJ	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.8	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.30 UJ	U	5.8	0.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.23	U	5.8	0.23	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.59	U	5.8	0.59	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	PSB-67	SDG No.:	S4751
Lab Sample ID:	S4751-16	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK092658.D	1	9/27/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.7	U	29	3.7	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	5.8	0.34	ug/Kg
106-93-4	1,2-Dibromoethane	0.48	U	5.8	0.48	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	5.8	0.74	ug/Kg
108-90-7	Chlorobenzene	0.41	U	5.8	0.41	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.8	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.60	U	5.8	0.60	ug/Kg
95-47-6	o-Xylene	0.50	U	5.8	0.50	ug/Kg
100-42-5	Styrene	0.36	U	5.8	0.36	ug/Kg
75-25-2	Bromoform	0.35	U	5.8	0.35	ug/Kg
98-82-8	Isopropylbenzene	0.43 U J	U	5.8	0.43	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	5.8	0.62	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.25	U	5.8	0.25	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.8	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	5.8	0.48	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.79	U	5.8	0.79	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.8	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.25	82 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.28	105 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	48.01	96 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	40.64	81 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	276208	3.97			
540-36-3	1,4-Difluorobenzene	543096	4.58			
3114-55-4	Chlorobenzene-d5	350859	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	125004	8.58			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	PSB-67RE	**SDG No.:**	S4751
Lab Sample ID:	S4751-16RE	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	14
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093025.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U J U	5.8	1.4	ug/Kg
74-87-3	Chloromethane	0.38	U	5.8	0.38	ug/Kg
75-01-4	Vinyl chloride	0.27	U	5.8	0.27	ug/Kg
74-83-9	Bromomethane	0.82	U	5.8	0.82	ug/Kg
75-00-3	Chloroethane	0.61	U	5.8	0.61	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	5.8	2.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	5.8	0.53	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.8	0.25	ug/Kg
67-64-1	Acetone	8.7	U	29	8.7	ug/Kg
75-15-0	Carbon disulfide	0.12	U	5.8	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.27	U	5.8	0.27	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.8	1.5	ug/Kg
75-09-2	Methylene Chloride	0.79	U	5.8	0.79	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.43	U	5.8	0.43	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	5.8	0.41	ug/Kg
110-82-7	Cyclohexane	0.35	U	5.8	0.35	ug/Kg
78-93-3	2-Butanone	2.6	U	29	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.35	U	5.8	0.35	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	5.8	0.41	ug/Kg
67-66-3	Chloroform	0.28	U	5.8	0.28	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.32	U	5.8	0.32	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	5.8	0.41	ug/Kg
71-43-2	Benzene	0.23	U	5.8	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.6	U	5.8	3.6	ug/Kg
79-01-6	Trichloroethene	0.37	U	5.8	0.37	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.8	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.39	U	5.8	0.39	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.8	0.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.30	U	5.8	0.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.23	U	5.8	0.23	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.59	U	5.8	0.59	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	**9/16/2004**
Project:	**Matt Petroleum Terminal**	**Date Received:**	**9/18/2004**
Client Sample ID:	**PSB-67RE**	**SDG No.:**	**S4751**
Lab Sample ID:	**S4751-16RE**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**14**
Sample Wt/Vol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**mL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK093025.D	1	9/30/2004	VK090104

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.7 UJ	U	29	3.7	ug/Kg
124-48-1	Dibromochloromethane	0.34	U	5.8	0.34	ug/Kg
106-93-4	1,2-Dibromoethane	0.48	U	5.8	0.48	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	5.8	0.74	ug/Kg
108-90-7	Chlorobenzene	0.41	U	5.8	0.41	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.8	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.60	U	5.8	0.60	ug/Kg
95-47-6	o-Xylene	0.50	U	5.8	0.50	ug/Kg
100-42-5	Styrene	0.36	U	5.8	0.36	ug/Kg
75-25-2	Bromoform	0.35	U	5.8	0.35	ug/Kg
98-82-8	Isopropylbenzene	0.43	U	5.8	0.43	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	5.8	0.62	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.25	U	5.8	0.25	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.41	U	5.8	0.41	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	5.8	0.48	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.79	U	5.8	0.79	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.8	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	33.41	67 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	49.29	99 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	43.99	88 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	47.55	95 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266031	3.97			
540-36-3	1,4-Difluorobenzene	503536	4.57			
3114-55-4	Chlorobenzene-d5	430716	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	180013	8.58			

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/7/2004
Project:	Matt Petroleum Terminal	Date Received:	9/18/2004
Client Sample ID:	TB	SDG No.:	S4751
Lab Sample ID:	S4751-17	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Vol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH092325.D	1	9/24/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.33	U	5.0	0.33	ug/L
74-87-3	Chloromethane	0.68	U	5.0	0.68	ug/L
75-01-4	Vinyl chloride	0.27	U	5.0	0.27	ug/L
74-83-9	Bromomethane	0.78	U	5.0	0.78	ug/L
75-00-3	Chloroethane	0.88	U	5.0	0.88	ug/L
75-69-4	Trichlorofluoromethane	0.58	U	5.0	0.58	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	5.0	0.69	ug/L
75-35-4	1,1-Dichloroethene	0.32	U	5.0	0.32	ug/L
67-64-1	Acetone	3.3	U	25	3.3	ug/L
75-15-0	Carbon disulfide	0.39	U	5.0	0.39	ug/L
1634-04-4	Methyl tert-butyl Ether	0.36	U	5.0	0.36	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	1.8	J	5.0	0.62	ug/L
156-60-5	trans-1,2-Dichloroethene	0.51	U	5.0	0.51	ug/L
75-34-3	1,1-Dichloroethane	0.22	U	5.0	0.22	ug/L
110-82-7	Cyclohexane	0.37	U	5.0	0.37	ug/L
78-93-3	2-Butanone	2.8	U	25	2.8	ug/L
56-23-5	Carbon Tetrachloride	0.47	U	5.0	0.47	ug/L
156-59-2	cis-1,2-Dichloroethene	0.77	U	5.0	0.77	ug/L
67-66-3	Chloroform	0.58	U	5.0	0.58	ug/L
71-55-6	1,1,1-Trichloroethane	0.41	U	5.0	0.41	ug/L
71-43-2	Benzene	0.24	U	5.0	0.24	ug/L
107-06-2	1,2-Dichloroethane	0.32	U	5.0	0.32	ug/L
79-01-6	Trichloroethene	0.67	U	5.0	0.67	ug/L
78-87-5	1,2-Dichloropropane	0.63	U	5.0	0.63	ug/L
75-27-4	Bromodichloromethane	0.35	U	5.0	0.35	ug/L
108-10-1	4-Methyl-2-Pentanone	1.3	U	25	1.3	ug/L
108-88-3	Toluene	0.39	U	5.0	0.39	ug/L
10061-02-6	t-1,3-Dichloropropene	0.42	U	5.0	0.42	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.15	U	5.0	0.15	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	5.0	0.52	ug/L
591-78-6	2-Hexanone	0.66 U J	U	25	0.66	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/7/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/2004
Client Sample ID:	TB	**SDG No.:**	S4751
Lab Sample ID:	S4751-17	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH092325.D	1	9/24/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
124-48-1	Dibromochloromethane	0.38	U	5.0	0.38	ug/L
106-93-4	1,2-Dibromoethane	0.63	U	5.0	0.63	ug/L
127-18-4	Tetrachloroethene	0.33	U	5.0	0.33	ug/L
108-90-7	Chlorobenzene	0.37	U	5.0	0.37	ug/L
100-41-4	Ethyl Benzene	0.41	U	5.0	0.41	ug/L
136777-61-2	m/p-Xylenes	0.96	U	5.0	0.96	ug/L
95-47-6	o-Xylene	0.37	U	5.0	0.37	ug/L
100-42-5	Styrene	0.34	U	5.0	0.34	ug/L
75-25-2	Bromoform	0.25 U J	U	5.0	0.25	ug/L
98-82-8	Isopropylbenzene	0.33	U	5.0	0.33	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
106-46-7	1,4-Dichlorobenzene	0.39	U	5.0	0.39	ug/L
95-50-1	1,2-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.94	U	5.0	0.94	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.16	92 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.16	96 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.54	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.89	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1602344	5.05			
540-36-3	1,4-Difluorobenzene	2526066	5.58			
3114-55-4	Chlorobenzene-d5	1852066	8.62			
3855-82-1	1,4-Dichlorobenzene-d4	518974	10.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014357.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	340	U	3500	340	ug/Kg
108-95-2	Phenol	150	U	3500	150	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	3500	170	ug/Kg
95-57-8	2-Chlorophenol	150	U	3500	150	ug/Kg
95-48-7	2-Methylphenol	220	U	3500	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	3500	190	ug/Kg
98-86-2	Acetophenone	180	U	3500	180	ug/Kg
106-44-5	3+4-Methylphenols	160	U	3500	160	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	3500	160	ug/Kg
67-72-1	Hexachloroethane	170	U	3500	170	ug/Kg
98-95-3	Nitrobenzene	180	U	3500	180	ug/Kg
78-59-1	Isophorone	130	U	3500	130	ug/Kg
88-75-5	2-Nitrophenol	140	U	3500	140	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	3500	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	3500	160	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	3500	120	ug/Kg
91-20-3	Naphthalene	690	J	3500	77	ug/Kg
106-47-8	4-Chloroaniline	1300	U	3500	1300	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	3500	120	ug/Kg
105-60-2	Caprolactam	130	U	3500	130	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	3500	100	ug/Kg
91-57-6	2-Methylnaphthalene	1500	J	3500	61	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88	U	3500	88	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	3500	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	8800	230	ug/Kg
92-52-4	1,1-Biphenyl	100	U	3500	100	ug/Kg
91-58-7	2-Chloronaphthalene	73	U	3500	73	ug/Kg
88-74-4	2-Nitroaniline	130	U	8800	130	ug/Kg
131-11-3	Dimethylphthalate	84	U	3500	84	ug/Kg
208-96-8	Acenaphthylene	110	U	3500	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	3500	150	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014357.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	570	U	8800	570	ug/Kg
83-32-9	Acenaphthene	78	U	3500	78	ug/Kg
51-28-5	2,4-Dinitrophenol	1200 J	J	8800	160	ug/Kg
100-02-7	4-Nitrophenol	340	U	8800	340	ug/Kg
132-64-9	Dibenzofuran	120	U	3500	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70	U	3500	70	ug/Kg
84-66-2	Diethylphthalate	110	U	3500	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87	U	3500	87	ug/Kg
86-73-7	Fluorene	100	U	3500	100	ug/Kg
100-01-6	4-Nitroaniline	280	U	8800	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	8800	200	ug/Kg
86-30-6	N-Nitrosodiphenylamine	89	U	3500	89	ug/Kg
101-55-3	4-Bromophenyl-phenylether	93	U	3500	93	ug/Kg
118-74-1	Hexachlorobenzene	66	U	3500	66	ug/Kg
1912-24-9	Atrazine	110	U	3500	110	ug/Kg
87-86-5	Pentachlorophenol	110	U	8800	110	ug/Kg
85-01-8	Phenanthrene	370	J	3500	79	ug/Kg
120-12-7	Anthracene	84	U	3500	84	ug/Kg
86-74-8	Carbazole	78	U	3500	78	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	3500	47	ug/Kg
206-44-0	Fluoranthene	430	J	3500	49	ug/Kg
129-00-0	Pyrene	1000	J	3500	63	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	3500	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	570 UJ	U	3500	570	ug/Kg
56-55-3	Benzo(a)anthracene	53	U	3500	53	ug/Kg
218-01-9	Chrysene	110	U	3500	110	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	81	U	3500	81	ug/Kg
117-84-0	Di-n-octyl phthalate	84	U	3500	84	ug/Kg
205-99-2	Benzo(b)fluoranthene	190 UJ	U	3500	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	120 UJ	U	3500	120	ug/Kg
50-32-8	Benzo(a)pyrene	61 UJ	U	3500	61	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014357.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	85	U	3500	85	ug/Kg
53-70-3	Dibenz(a,h)anthracene	100 UJ	U	3500	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150 UJ	U	3500	150	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	249.9	86 %	25 - 121		SPK: 290
13127-88-3	Phenol-d5	250.3	83 %	24 - 113		SPK: 300
4165-60-0	Nitrobenzene-d5	150.1	75 %	23 - 120		SPK: 200
321-60-8	2-Fluorobiphenyl	164.1	82 %	30 - 116		SPK: 200
118-79-6	2,4,6-Tribromophenol	227.4	76 %	19 - 122		SPK: 300
1718-51-0	Terphenyl-d14	192.4	96 %	18 - 137		SPK: 200
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	504377	6.54			
1146-65-2	Naphthalene-d8	1566283	8.90			
15067-26-2	Acenaphthene-d10	828107	12.34			
1517-22-2	Phenanthrene-d10	1382328	15.27			
1719-03-5	Chrysene-d12	1291737	20.53			
1520-96-3	Perylene-d12	752241	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
17301234	Undecane, 2,6-dimethyl-	8100	J	9.12		ug/Kg
61141728	Dodecane, 4,6-dimethyl-	15000	J	9.82		ug/Kg
3178232	Cyclohexane, 1,1-methylenebis-	16000	J	10.71		ug/Kg
185659	Spiro[2.5]octane	9600	J	10.78		ug/Kg
35354382	7-Octadecyne, 2-methyl-	11000	J	10.94		ug/Kg
0	Decahydro-4,4,8,9,10-pentamethyl	7200	J	11.11		ug/Kg
582161	Naphthalene, 2,7-dimethyl-	8900	J	11.52		ug/Kg
	Unknown	39000	J	11.72		ug/Kg
3891983	Dodecane, 2,6,10-trimethyl-	27000	J	11.91		ug/Kg
	Unknown	22000	J	12.11		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	11000	J	12.78		ug/Kg
	Unknown	20000	J	12.85		ug/Kg
2245387	Naphthalene, 1,6,7-trimethyl-	9800	J	13.00		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014357.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
	Unknown	11000	J	13.04		ug Kg
	Unknown	11000	J	13.20		ug Kg
2489863	Naphthalene, 1-(2-propenyl)-	10000	J	13.54		ug Kg
55045119	Tridecane, 5-propyl-	25000	J	13.75		ug Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	7000	J	14.19		ug Kg
1921706	Pentadecane, 2,6,10,14-tetramethy	46000	J	14.29		ug Kg
1560889	Octadecane, 2-methyl-	15000	J	15.20		ug Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-1RE	SDG No.:	S4751-01
Lab Sample ID:	S4751-01RE	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	7
Sample Wt/Vol:	15.1 g	Extract Vol:	1000 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018708.D	5	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RI	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	340	U	3500	340	ug/Kg
108-95-2	Phenol	150	U	3500	150	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	3500	170	ug/Kg
95-57-8	2-Chlorophenol	150	U	3500	150	ug/Kg
95-48-7	2-Methylphenol	220	U	3500	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	3500	190	ug/Kg
98-86-2	Acetophenone	180	U	3500	180	ug/Kg
106-44-5	3+4-Methylphenols	160	U	3500	160	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	3500	160	ug/Kg
67-72-1	Hexachloroethane	170	U	3500	170	ug/Kg
98-95-3	Nitrobenzene	180	U	3500	180	ug/Kg
78-59-1	Isophorone	130	U	3500	130	ug/Kg
88-75-5	2-Nitrophenol	140	U	3500	140	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	3500	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	3500	160	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	3500	120	ug/Kg
91-20-3	Naphthalene	1100	J	3500	77	ug/Kg
106-47-8	4-Chloroaniline	1300	U	3500	1300	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	3500	120	ug/Kg
105-60-2	Caprolactam	130	U	3500	130	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	3500	100	ug/Kg
91-57-6	2-Methylnaphthalene	2100	J	3500	61	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88 UJ	U	3500	88	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	3500	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	8800	230	ug/Kg
92-52-4	1,1-Biphenyl	100	U	3500	100	ug/Kg
91-58-7	2-Chloronaphthalene	73	U	3500	73	ug/Kg
88-74-4	2-Nitroaniline	130	U	8800	130	ug/Kg
131-11-3	Dimethylphthalate	84	U	3500	84	ug/Kg
208-96-8	Acenaphthylene	110	U	3500	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	3500	150	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018708.D	5	9/22/04	9/26/04	BB092401

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	570	U	8800	570	ug/Kg
83-32-9	Acenaphthene	78	U	3500	78	ug/Kg
51-28-5	2,4-Dinitrophenol	160 UJ	U	8800	160	ug/Kg
100-02-7	4-Nitrophenol	340 UJ	U	8800	340	ug/Kg
132-64-9	Dibenzofuran	120	U	3500	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70	U	3500	70	ug/Kg
84-66-2	Diethylphthalate	110	U	3500	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87	U	3500	87	ug/Kg
86-73-7	Fluorene	100	U	3500	100	ug/Kg
100-01-6	4-Nitroaniline	280	U	8800	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	8800	200	ug/Kg
86-30-6	N-Nitrosodiphenylamine	89	U	3500	89	ug/Kg
101-55-3	4-Bromophenyl-phenylether	93	U	3500	93	ug/Kg
118-74-1	Hexachlorobenzene	66	U	3500	66	ug/Kg
1912-24-9	Atrazine	110	U	3500	110	ug/Kg
87-86-5	Pentachlorophenol	110	U	8800	110	ug/Kg
85-01-8	Phenanthrene	79	U	3500	79	ug/Kg
120-12-7	Anthracene	84	U	3500	84	ug/Kg
86-74-8	Carbazole	78	U	3500	78	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	3500	47	ug/Kg
206-44-0	Fluoranthene	720	J	3500	49	ug/Kg
129-00-0	Pyrene	1200	J	3500	63	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	3500	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	570	U	3500	570	ug/Kg
56-55-3	Benzo(a)anthracene	480	J	3500	53	ug/Kg
218-01-9	Chrysene	390	J	3500	110	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	81	U	3500	81	ug/Kg
117-84-0	Di-n-octyl phthalate	84	U	3500	84	ug/Kg
205-99-2	Benzo(b)fluoranthene	190 UJ	U	3500	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	120 UJ	U	3500	120	ug/Kg
50-32-8	Benzo(a)pyrene	61 UJ	U	3500	61	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-1RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-01RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018708.D	5	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	85	U	3500	85	ug/Kg
53-70-3	Dibenz(a,h)anthracene	100 UJ	U	3500	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150 UJ	U	3500	150	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	334.4	111 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	346.4	115 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	215.3	108 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	241.6	121 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	344.8	115 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	223.2	112 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	699716	6.51			
1146-65-2	Naphthalene-d8	2621041	8.84			
15067-26-2	Acenaphthene-d10	1114132	12.35			
1517-22-2	Phenanthrene-d10	2190018	15.35			
1719-03-5	Chrysene-d12	1995684	20.71			
1520-96-3	Perylene-d12	881895	24.10			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-3	SDG No.:	S4751-01
Lab Sample ID:	S4751-02	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	11
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014352.D	4	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	290	U	2900	290	ug/Kg
108-95-2	Phenol	120	U	2900	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	2900	140	ug/Kg
95-57-8	2-Chlorophenol	130	U	2900	130	ug/Kg
95-48-7	2-Methylphenol	190	U	2900	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloreprepane)	160	U	2900	160	ug/Kg
98-86-2	Acetophenone	150	U	2900	150	ug/Kg
106-44-5	3+4-Methylphenols	140	U	2900	140	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	130	U	2900	130	ug/Kg
67-72-1	Hexachloroethane	140	U	2900	140	ug/Kg
98-95-3	Nitrobenzene	150	U	2900	150	ug/Kg
78-59-1	Isophorone	110	U	2900	110	ug/Kg
88-75-5	2-Nitrophenol	120	U	2900	120	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	2900	160	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	2900	130	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	2900	100	ug/Kg
91-20-3	Naphthalene	64	U	2900	64	ug/Kg
106-47-8	4-Chloroaniline	1100	U	2900	1100	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	2900	100	ug/Kg
105-60-2	Caprolactam	110	U	2900	110	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87	U	2900	87	ug/Kg
91-57-6	2-Methylnaphthalene	51	U	2900	51	ug/Kg
77-47-4	Hexachlorocyclopentadiene	74	U	2900	74	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	2900	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	7400	190	ug/Kg
92-52-4	1,1-Biphenyl	87	U	2900	87	ug/Kg
91-58-7	2-Chloronaphthalene	61	U	2900	61	ug/Kg
88-74-4	2-Nitroaniline	110	U	7400	110	ug/Kg
131-11-3	Dimethylphthalate	70	U	2900	70	ug/Kg
208-96-8	Acenaphthylene	88	U	2900	88	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	2900	130	ug/Kg

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-3	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014352.D	4	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	470	U	7400	470	ug/Kg
83-32-9	Acenaphthene	65	U	2900	65	ug/Kg
51-28-5	2,4-Dinitrophenol	130 UJ	U	7400	130	ug/Kg
100-02-7	4-Nitrophenol	290	U	7400	290	ug/Kg
132-64-9	Dibenzofuran	97	U	2900	97	ug/Kg
121-14-2	2,4-Dinitrotoluene	59	U	2900	59	ug/Kg
84-66-2	Diethylphthalate	92	U	2900	92	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	73	U	2900	73	ug/Kg
86-73-7	Fluorene	83	U	2900	83	ug/Kg
100-01-6	4-Nitroaniline	230	U	7400	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	7400	170	ug/Kg
86-30-6	N-Nitrosodiphenylamine	75	U	2900	75	ug/Kg
101-55-3	4-Bromophenyl-phenylether	77	U	2900	77	ug/Kg
118-74-1	Hexachlorobenzene	55	U	2900	55	ug/Kg
1912-24-9	Atrazine	90	U	2900	90	ug/Kg
87-86-5	Pentachlorophenol	91	U	7400	91	ug/Kg
85-01-8	Phenanthrene	720	J	2900	66	ug/Kg
120-12-7	Anthracene	510	J	2900	70	ug/Kg
86-74-8	Carbazole	65	U	2900	65	ug/kg
84-74-2	Di-n-butylphthalate	39	U	2900	39	ug/Kg
206-44-0	Fluoranthene	2400	J	2900	41	ug/Kg
129-00-0	Pyrene	4400		2900	52	ug/Kg
85-68-7	Butylbenzylphthalate	99	U	2900	99	ug/Kg
91-94-1	3,3-Dichlorobenzidine	470 UJ	U	2900	470	ug/Kg
56-55-3	Benzo(a)anthracene	1500	J	2900	44	ug/Kg
218-01-9	Chrysene	1800	J	2900	93	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	68	U	2900	68	ug/Kg
117-84-0	Di-n-octyl phthalate	70	U	2900	70	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700	J	2900	160	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000	J	2900	100	ug/Kg
50-32-8	Benzo(a)pyrene	1300	J	2900	51	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-3	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014352.D	4	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	71	U	2900	71	ug/Kg
53-70-3	Dibenz(a,h)anthracene	86	U	2900	86	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	2900	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	271.2	90 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	267.48	89 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	166.2	83 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	178.16	89 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	228.24	76 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	205.76	103 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	488912	6.54			
1146-65-2	Naphthalene-d8	1553984	8.90			
15067-26-2	Acenaphthene-d10	889674	12.34			
1517-22-2	Phenanthrene-d10	1446098	15.27			
1719-03-5	Chrysene-d12	1368512	20.54			
1520-96-3	Perylene-d12	1086761	23.34			
TENTITIVE IDENTIFIED COMPOUNDS						
180438	Spiro[5.5]undecane	5700	J	7.95		ug/Kg
17301303	Undecane, 3,8-dimethyl-	5100	J	8.03		ug/Kg
1486755	Cyclododecene, (E)-	7800	J	8.84		ug/Kg
17301234	Undecane, 2,6-dimethyl-	16000	J	9.12		ug/Kg
506514	1-Tetracosanol	6600	J	9.30		ug/Kg
0	1-Methylpyrroline	5100	J	9.50		ug/Kg
55282343	Cyclohexane, 1,3,5-trimethyl-2-oc	5300	J	9.77		ug/Kg
629823	Octane, 1,1-oxybis-	22000	J	9.83		ug/Kg
50991098	1,1-Bicyclohexyl, 2-methyl-, trans-	8400	J	10.18		ug/Kg
13287213	Tridecane, 6-methyl-	5900	J	10.36		ug/Kg
71899382	9-Eicosyne	5900	J	10.95		ug/Kg
0	Decahydro-4,4,8,9,10-pentamethyl	9000	J	11.72		ug/Kg
1795159	Cyclohexane, octyl-	5500	J	11.85		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-3	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014352.D	4	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
3891983	Dodecane, 2,6,10-trimethyl-	17000	J	11.92		ug/Kg
19780111	2-Dodecen-1-yl(-)succinic anhydr	8700	J	12.12		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	5600	J	12.85		ug/Kg
629787	Heptadecane	6500	J	12.96		ug/Kg
629505	Tridecane	13000	J	13.76		ug/Kg
1921706	Pentadecane, 2,6,10,14-tetramethy	28000	J	14.29		ug/Kg
638368	Hexadecane, 2,6,10,14-tetramethy	14000	J	15.21		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received.**	9/18/04
Client Sample ID:	PSS-4	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Wol:	15.3 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014358.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	730	U	7500	730	ug/Kg
108-95-2	Phenol	310	U	7500	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	370	U	7500	370	ug/Kg
95-57-8	2-Chlorophenol	320	U	7500	320	ug/Kg
95-48-7	2-Methylphenol	470	U	7500	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	7500	400	ug/Kg
98-86-2	Acetophenone	390	U	7500	390	ug/Kg
106-44-5	3+4-Methylphenols	340	U	7500	340	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	330	U	7500	330	ug/Kg
67-72-1	Hexachloroethane	360	U	7500	360	ug/Kg
98-95-3	Nitrobenzene	380	U	7500	380	ug/Kg
78-59-1	Isophorone	280	U	7500	280	ug/Kg
88-75-5	2-Nitrophenol	300	U	7500	300	ug/Kg
105-67-9	2,4-Dimethylphenol	400	U	7500	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	7500	340	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	7500	260	ug/Kg
91-20-3	Naphthalene	160	U	7500	160	ug/Kg
106-47-8	4-Chloroaniline	2800	U	7500	2800	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	7500	260	ug/Kg
105-60-2	Caprolactam	280	U	7500	280	ug/Kg
59-50-7	4-Chloro-3-methylphenol	220	U	7500	220	ug/Kg
91-57-6	2-Methylnaphthalene	980	J	7500	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	7500	190	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	7500	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	500	U	19000	500	ug/Kg
92-52-4	1,1-Biphenyl	220	U	7500	220	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	7500	160	ug/Kg
88-74-4	2-Nitroaniline	270	U	19000	270	ug/Kg
131-11-3	Dimethylphthalate	180	U	7500	180	ug/Kg
208-96-8	Acenaphthylene	220	U	7500	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	320	U	7500	320	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-4	SDG No.:	S4751-01
Lab Sample ID:	S4751-03	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	13
Sample Wt/Vol:	15.3 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014358.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1200	U	19000	1200	ug/Kg
83-32-9	Acenaphthene	170	U	7500	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330 U J	U	19000	330	ug/Kg
100-02-7	4-Nitrophenol	730	U	19000	730	ug/Kg
132-64-9	Dibenzofuran	250	U	7500	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	7500	150	ug/Kg
84-66-2	Diethylphthalate	240	U	7500	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	7500	190	ug/Kg
86-73-7	Fluorene	210	U	7500	210	ug/Kg
100-01-6	4-Nitroaniline	590	U	19000	590	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	430	U	19000	430	ug/Kg
86-30-6	N-Nitrosodiphenylamine	190	U	7500	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	7500	200	ug/Kg
118-74-1	Hexachlorobenzene	140	U	7500	140	ug/Kg
1912-24-9	Atrazine	230	U	7500	230	ug/Kg
87-86-5	Pentachlorophenol	230	U	19000	230	ug/Kg
85-01-8	Phenanthrene	1200	J	7500	120	ug/Kg
120-12-7	Anthracene	180	U	7500	180	ug/Kg
86-74-8	Carbazole	170	U	7500	170	ug/Kg
84-74-2	Di-n-butylphthalate	99	U	7500	99	ug/Kg
206-44-0	Fluoranthene	2500	J	7500	100	ug/Kg
129-00-0	Pyrene	4500	J	7500	120	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	7500	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200 U J	U	7500	1200	ug/Kg
56-55-3	Benzo(a)anthracene	1700	J	7500	110	ug/Kg
218-01-9	Chrysene	2200	J	7500	240	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	170	U	7500	170	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	7500	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200 J	J	7500	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800 J	J	7500	260	ug/Kg
50-32-8	Benzo(a)pyrene	1500 J	J	7500	130	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-4	SDG No.:	S4751-01
Lab Sample ID:	S4751-03	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	13
Sample Wt/Vol:	15.3 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014358.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	7500	180	ug/Kg
53-70-3	Dibenz(a,h)anthracene	220 UJ	U	7500	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	330 UJ	U	7500	330	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	240	80 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	251.6	84 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	132.4	66 %	23 - 120		SPK: 40
321-60-8	2-Fluorobiphenyl	168.8	84 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	223.6	75 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	199	100 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	509223	6.54			
1146-65-2	Naphthalene-d8	1605513	8.89			
15067-26-2	Acenaphthene-d10	825872	12.33			
1517-22-2	Phenanthrene-d10	1366839	15.27			
1719-03-5	Chrysene-d12	1229337	20.53			
1520-96-3	Perylene-d12	633605	23.33			
TENTITIVE IDENTIFIED COMPOUNDS						
17301234	Undecane, 2,6-dimethyl-	7300	J	9.12		ug/Kg
54676390	Cyclohexane, 2-butyl-1,1,3-trime	6500	J	9.29		ug/Kg
62016346	Octane, 2,3,7-trimethyl-	13000	J	9.82		ug/Kg
74645980	Dodecane, 2,7,10-trimethyl-	13000	J	11.00		ug/Kg
582161	Naphthalene, 2,7-dimethyl-	6100	J	11.52		ug/Kg
0	Decahydro-4,4,8,9,10-pentamethyl	24000	J	11.71		ug/Kg
544763	Hexadecane	24000	J	11.90		ug/Kg
19456190	1,2-Cyclohexanediol, cyclic sulfi	15000	J	12.11		ug/Kg
2245387	Naphthalene, 1,6,7-trimethyl-	7300	J	12.77		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	13000	J	12.84		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	6000	J	13.04		ug/Kg
	Unknown	6000	J	13.17		ug/Kg
2320323	Benzene, [1-(2,4-cyclopentadien-1	13000	J	13.54		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-4	SDG No.:	S4751-01
Lab Sample ID:	S4751-03	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	13
Sample Wt/Vol:	15.3 g	Extract Vol:	1060 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014358.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
13150817	2,6-Dimethyldecane	18000	J	13.75		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	6000	J	14.18		ug/Kg
638368	Hexadecane, 2,6,10,14-tetramethy	40000	J	14.28		ug/Kg
490653	Naphthalene, 1-methyl-7-(1-methy	8000	J	14.34		ug/Kg
613332	4,4-Dimethylbiphenyl	7100	J	14.57		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	24000	J	15.20		ug/Kg
3674735	Phenanthrene, 2,3,5-trimethyl-	6000	J	18.30		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-4RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-03RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Vol:	15.3 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018710.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	730	U	7500	730	ug/Kg
108-95-2	Phenol	310	U	7500	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	370	U	7500	370	ug/Kg
95-57-8	2-Chlorophenol	320	U	7500	320	ug/Kg
95-48-7	2-Methylphenol	470	U	7500	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	7500	400	ug/Kg
98-86-2	Acetophenone	390	U	7500	390	ug/Kg
106-44-5	3+4-Methylphenols	340	U	7500	340	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	330	U	7500	330	ug/Kg
67-72-1	Hexachloroethane	360	U	7500	360	ug/Kg
98-95-3	Nitrobenzene	380	U	7500	380	ug/Kg
78-59-1	Isophorone	280	U	7500	280	ug/Kg
88-75-5	2-Nitrophenol	300	U	7500	300	ug/Kg
105-67-9	2,4-Dimethylphenol	400	U	7500	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	7500	340	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	7500	260	ug/Kg
91-20-3	Naphthalene	160	U	7500	160	ug/Kg
106-47-8	4-Chloroaniline	2800	U	7500	2800	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	7500	260	ug/Kg
105-60-2	Caprolactam	280	U	7500	280	ug/Kg
59-50-7	4-Chloro-3-methylphenol	220	U	7500	220	ug/Kg
91-57-6	2-Methylnaphthalene	1500	J	7500	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190 UJ	U	7500	190	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	7500	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	500	U	19000	500	ug/Kg
92-52-4	1,1-Biphenyl	220	U	7500	220	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	7500	160	ug/Kg
88-74-4	2-Nitroaniline	270	U	19000	270	ug/Kg
131-11-3	Dimethylphthalate	180	U	7500	180	ug/Kg
208-96-8	Acenaphthylene	220	U	7500	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	320	U	7500	320	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-4RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-03RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Vol:	15.3 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018710.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1200	U	19000	1200	ug/Kg
83-32-9	Acenaphthene	1200	J	7500	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330 UJ	U	19000	330	ug/Kg
100-02-7	4-Nitrophenol	730 UJ	U	19000	730	ug/Kg
132-64-9	Dibenzofuran	250	U	7500	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	7500	150	ug/Kg
84-66-2	Diethylphthalate	240	U	7500	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	7500	190	ug/Kg
86-73-7	Fluorene	1200	J	7500	210	ug/Kg
100-01-6	4-Nitroaniline	590	U	19000	590	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	430	U	19000	430	ug/Kg
86-30-6	N-Nitrosodiphenylamine	190	U	7500	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	7500	200	ug/Kg
118-74-1	Hexachlorobenzene	140	U	7500	140	ug/Kg
1912-24-9	Atrazine	230	U	7500	230	ug/Kg
87-86-5	Pentachlorophenol	230	U	19000	230	ug/Kg
85-01-8	Phenanthrene	2900	J	7500	170	ug/Kg
120-12-7	Anthracene	1600	J	7500	180	ug/Kg
86-74-8	Carbazole	170	U	7500	170	ug/Kg
84-74-2	Di-n-butylphthalate	99	U	7500	99	ug/Kg
206-44-0	Fluoranthene	3600	J	7500	100	ug/Kg
129-00-0	Pyrene	5500	J	7500	130	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	7500	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200	U	7500	1200	ug/Kg
56-55-3	Benzo(a)anthracene	2400	J	7500	110	ug/Kg
218-01-9	Chrysene	2600	J	7500	240	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1300	J	7500	170	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	7500	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	2900 UJ	J	7500	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800 UJ	J	7500	260	ug/Kg
50-32-8	Benzo(a)pyrene	1800 UJ	J	7500	130	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-4RE	SDG No.:	S4751-01
Lab Sample ID:	S4751-03RE	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	13
Sample Wt/Vol:	15.3 g	Extract Vol:	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018710.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	7500	189	ug/Kg
53-70-3	Dibenz(a,h)anthracene	220 UJ	U	7500	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	330 UJ	U	7500	330	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	316	105 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	333.6	111 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	221.8	111 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	243.8	122 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	297.4	99 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	269	135 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	760356	6.51			
1146-65-2	Naphthalene-d8	3195551	8.84			
15067-26-2	Acenaphthene-d10	1414199	12.33			
1517-22-2	Phenanthrene-d10	2286822	15.35			
1719-03-5	Chrysene-d12	1571999	20.72			
1520-96-3	Perylene-d12	579123	24.13			

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-5	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	18
Sample Wt/Vol:	15.0 g	**Extract Vol:**	500 ml

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014350.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	39	U	400	39	ug/Kg
108-95-2	Phenol	17	U	400	17	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	20	U	400	20	ug/Kg
95-57-8	2-Chlorophenol	17	U	400	17	ug/Kg
95-48-7	2-Methylphenol	25	U	400	25	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	22	U	400	22	ug/Kg
98-86-2	Acetophenone	21	U	400	21	ug/Kg
106-44-5	3+4-Methylphenols	19	U	400	19	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	18	U	400	18	ug/Kg
67-72-1	Hexachloroethane	19	U	400	19	ug/Kg
98-95-3	Nitrobenzene	20	U	400	20	ug/Kg
78-59-1	Isophorone	15	U	400	15	ug/Kg
88-75-5	2-Nitrophenol	16	U	400	16	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	400	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	18	U	400	18	ug/Kg
120-83-2	2,4-Dichlorophenol	14	U	400	14	ug/Kg
91-20-3	Naphthalene	8.8	U	400	8.8	ug/Kg
106-47-8	4-Chloroaniline	150	U	400	150	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	400	14	ug/Kg
105-60-2	Caprolactam	15	U	400	15	ug/Kg
59-50-7	4-Chloro-3-methylphenol	12	U	400	12	ug/Kg
91-57-6	2-Methylnaphthalene	44	J	400	6.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	10	U	400	10	ug/Kg
88-06-2	2,4,6-Trichlorophenol	15	U	400	15	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	1000	27	ug/Kg
92-52-4	1,1-Biphenyl	12	U	400	12	ug/Kg
91-58-7	2-Chloronaphthalene	8.4	U	400	8.4	ug/Kg
88-74-4	2-Nitroaniline	15	U	1000	15	ug/Kg
131-11-3	Dimethylphthalate	9.6	U	400	9.6	ug/Kg
208-96-8	Acenaphthylene	12	U	400	12	ug/Kg
606-20-2	2,6-Dinitrotoluene	17	U	400	17	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-5	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	18
Sample Wt/Vol:	15.0 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014350.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	65	U	1000	65	ug/Kg
83-32-9	Acenaphthene	8.9	U	400	8.9	ug/Kg
51-28-5	2,4-Dinitrophenol	18 UJ	U	1000	18	ug/Kg
100-02-7	4-Nitrophenol	39	U	1000	39	ug/Kg
132-64-9	Dibenzofuran	13	U	400	13	ug/Kg
121-14-2	2,4-Dinitrotoluene	8.0	U	400	8.0	ug/Kg
84-66-2	Diethylphthalate	13	U	400	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	10	U	400	10	ug/Kg
86-73-7	Fluorene	11	U	400	11	ug/Kg
100-01-6	4-Nitroaniline	32	U	1000	32	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	1000	23	ug/Kg
86-30-6	N-Nitrosodiphenylamine	10	U	400	10	ug/Kg
101-55-3	4-Bromophenyl-phenylether	11	U	400	11	ug/Kg
118-74-1	Hexachlorobenzene	7.6	U	400	7.6	ug/Kg
1912-24-9	Atrazine	12	U	400	12	ug/Kg
87-86-5	Pentachlorophenol	13	U	1000	13	ug/Kg
85-01-8	Phenanthrene	170	J	400	9.0	ug/Kg
120-12-7	Anthracene	42	J	400	9.6	ug/Kg
86-74-8	Carbazole	8.9	U	400	8.9	ug/Kg
84-74-2	Di-n-butylphthalate	5.4	U	400	5.4	ug/Kg
206-44-0	Fluoranthene	260	J	400	5.6	ug/Kg
129-00-0	Pyrene	290	J	400	7.2	ug/Kg
85-68-7	Butylbenzylphthalate	14	U	400	14	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65 UJ	U	400	65	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	400	6.1	ug/Kg
218-01-9	Chrysene	250	J	400	13	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	84	J	400	9.3	ug/Kg
117-84-0	Di-n-octyl phthalate	9.6	U	400	9.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	J	400	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	400	14	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	400	6.9	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-5	**SDG No.:**	S4751-04
Lab Sample ID:	S4751-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	18
Sample Wt/Vol:	15.0 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014350.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	9.7	U	400	9.7	ug/Kg
53-70-3	Dibenz(a,h)anthracene	12	U	400	12	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18	U	400	18	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	294.48	98 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	292.76	98 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	159.34	80 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	213.85	107 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	260.12	87 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	215.54	108 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	454221	6.54			
1146-65-2	Naphthalene-d8	1514939	8.89			
15067-26-2	Acenaphthene-d10	790179	12.32			
1517-22-2	Phenanthrene-d10	1438959	15.26			
1719-03-5	Chrysene-d12	1429930	20.56			
1520-96-3	Perylene-d12	1109447	23.38			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1200~~ U	~~AB~~	3.82		ug/Kg
6975980	Decane, 2-methyl-	220	J	14.27		ug/Kg
57103	Hexadecanoic acid	1700	J	16.54		ug/Kg
612942	Naphthalene, 2-phenyl-	240	J	16.89		ug/Kg
3674699	Phenanthrene, 4,5-dimethyl-	260	J	17.40		ug/Kg
243425	Benzo[b]naphtho[2,3-d]furan	290	J	17.75		ug/Kg
56009202	Cyclohexane, 1-(1,5-dimethylhexyl	380	J	20.41		ug/Kg
0	Lasiol (2,3,6-trimethylhept-5-en-1-	310	J	21.00		ug/Kg
1705857	Chrysene, 6-methyl-	330	J	21.35		ug/Kg
2384705	2-Decyne	410	J	21.58		ug/Kg
74764253	Cyclopentanecarboxylic acid, 2-me	310	J	21.77		ug/Kg
72101292	Naphthalene, ar,ar,ar-methylidynet	820	J	22.33		ug/Kg
544354	Linoleic acid ethyl ester	390	J	22.68		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-5	SDG No.:	S4751-01
Lab Sample ID:	S4751-04	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	18
Sample Wt/Vol:	15.0 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014350.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
63922510	3,4-Heptadien-2-one, 3,5-dicyclop	680	J	22.85		ug/Kg
0	5,9-Heptacosadienoic acid, 25-met	520	J	22.91		ug/Kg
0	(Cyclopropyl)trivinylsilane	280	J	23.01		ug/Kg
882337	Disulfide, diphenyl	950	J	23.96		ug/Kg
55401757	Anthracene, 9-dodecyltetradecahy	930	J	24.58		ug/Kg
	Unknown	590	J	25.38		ug/Kg
36646874	Isoquinoline, 1,2,3,4-tetrahydro-7-r	260	J	26.47		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-6	SDG No.:	S4751-01
Lab Sample ID:	S4751-05	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	6
Sample Wt/Vol:	15.1 g	Extract Vol:	500 ml

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014353.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	34	U	350	34	ug/Kg
108-95-2	Phenol	15	U	350	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	350	17	ug/Kg
95-57-8	2-Chlorophenol	15	U	350	15	ug/Kg
95-48-7	2-Methylphenol	22	U	350	22	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	19	U	350	19	ug/Kg
98-86-2	Acetophenone	18	U	350	18	ug/Kg
106-44-5	3+4-Methylphenols	16	U	350	16	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	15	U	350	15	ug/Kg
67-72-1	Hexachloroethane	17	U	350	17	ug/Kg
98-95-3	Nitrobenzene	18	U	350	18	ug/Kg
78-59-1	Isophorone	13	U	350	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	350	14	ug/Kg
105-67-9	2,4-Dimethylphenol	19	U	350	19	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	16	U	350	16	ug/Kg
120-83-2	2,4-Dichlorophenol	12	U	350	12	ug/Kg
91-20-3	Naphthalene	7.6	U	350	7.6	ug/Kg
106-47-8	4-Chloroaniline	130	U	350	130	ug/Kg
87-68-3	Hexachlorobutadiene	12	U	350	12	ug/kg
105-60-2	Caprolactam	13	U	350	13	ug/Kg
59-50-7	4-Chloro-3-methylphenol	10	U	350	10	ug/Kg
91-57-6	2-Methylnaphthalene	41	J	350	6.0	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.8	U	350	8.8	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	350	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	23	U	880	23	ug/Kg
92-52-4	1,1-Biphenyl	10	U	350	10	ug/Kg
91-58-7	2-Chloronaphthalene	7.3	U	350	7.3	ug/Kg
88-74-4	2-Nitroaniline	13	U	880	13	ug/Kg
131-11-3	Dimethylphthalate	8.3	U	350	8.3	ug/Kg
208-96-8	Acenaphthylene	10	U	350	10	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	350	15	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-6	SDG No.:	S4751-01
Lab Sample ID:	S4751-05	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	6
Sample Wt/Vol:	15.1 g	Extract Vol:	500 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014353.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	56	U	880	56	ug/Kg
83-32-9	Acenaphthene	7.7	U	350	7.7	ug/Kg
51-28-5	2,4-Dinitrophenol	15 UJ	U	880	15	ug/Kg
100-02-7	4-Nitrophenol	34	U	880	34	ug/Kg
132-64-9	Dibenzofuran	11	U	350	11	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.0	U	350	7.0	ug/Kg
84-66-2	Diethylphthalate	11	U	350	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	8.6	U	350	8.6	ug/Kg
86-73-7	Fluorene	9.9	U	350	9.9	ug/Kg
100-01-6	4-Nitroaniline	27	U	880	27	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	880	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.9	U	350	8.9	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.2	U	350	9.2	ug/Kg
118-74-1	Hexachlorobenzene	6.5	U	350	6.5	ug/Kg
1912-24-9	Atrazine	11	U	350	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	880	11	ug/Kg
85-01-8	Phenanthrene	49	J	350	7.8	ug/Kg
120-12-7	Anthracene	8.3	U	350	8.3	ug/Kg
86-74-8	Carbazole	7.7	U	350	7.7	ug/Kg
84-74-2	Di-n-butylphthalate	4.6	U	350	4.6	ug/Kg
206-44-0	Fluoranthene	73	J	350	4.9	ug/Kg
129-00-0	Pyrene	130	J	350	6.2	ug/Kg
85-68-7	Butylbenzylphthalate	12	U	350	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	56 UJ	U	350	56	ug/Kg
56-55-3	Benzo(a)anthracene	54	J	350	5.3	ug/Kg
218-01-9	Chrysene	78	J	350	11	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	81	J	350	8.0	ug/Kg
117-84-0	Di-n-octyl phthalate	8.3	U	350	8.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	91	J	350	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	J	350	12	ug/Kg
50-32-8	Benzo(a)pyrene	62	J	350	6.9	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-6	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014353.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.4	U	350	8.1	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10	U	350	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15	U	350	15	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	311.27	104 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	308.07	103 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	175.21	88 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	243.58	122 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	262.22	87 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	256.93	128 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	504218	6.54			
1146-65-2	Naphthalene-d8	1609576	8.89			
15067-26-2	Acenaphthene-d10	796501	12.33			
1517-22-2	Phenanthrene-d10	1253880	15.26			
1719-03-5	Chrysene-d12	1241046	20.54			
1520-96-3	Perylene-d12	947358	23.33			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1100~~ U	~~AB~~	3.84		ug/Kg
544763	Hexadecane	240	J	13.31		ug/Kg
593453	Octadecane	310	J	13.75		ug/Kg
1921706	Pentadecane, 2,6,10,14-tetramethy	1100	J	14.27		ug/Kg
629594	Tetradecane	310	J	15.13		ug/Kg
1560889	Octadecane, 2-methyl-	510	J	15.19		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	180	J	15.89		ug/Kg
629925	Nonadecane	280	J	15.98		ug/Kg
57103	Hexadecanoic acid	810	J	16.53		ug/Kg
112958	Eicosane	260	J	16.79		ug/Kg
	Unknown	190	J	17.36		ug/Kg
593497	Heptacosane	250	J	17.57		ug/Kg
629970	Docosane	180	J	18.31		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-6	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014353.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
	Unknown	170	J	21.58		ug/Kg
629629	Pentadecane	260	J	22.17		ug/Kg
	Unknown	220	J	22.80		ug/Kg
638675	Tricosane	230	J	23.50		ug/Kg
646311	Tetracosane	280	J	24.32		ug/Kg
53584604	28-Nor-17.alpha.(H)-hopane	250	J	24.53		ug/Kg
36728720	28-Nor-17.beta.(H)-hopane	260	J	25.33		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-7	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	1
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014347.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	34	U	340	34	ug/Kg
108-95-2	Phenol	14	U	340	14	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	340	17	ug/Kg
95-57-8	2-Chlorophenol	15	U	340	15	ug/Kg
95-48-7	2-Methylphenol	22	U	340	22	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	19	U	340	19	ug/Kg
98-86-2	Acetophenone	18	U	340	18	ug/Kg
106-44-5	3+4-Methylphenols	16	U	340	16	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	15	U	340	15	ug/Kg
67-72-1	Hexachloroethane	16	U	340	16	ug/Kg
98-95-3	Nitrobenzene	17	U	340	17	ug/Kg
78-59-1	Isophorone	13	U	340	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	340	14	ug/Kg
105-67-9	2,4-Dimethylphenol	19	U	340	19	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	16	U	340	16	ug/Kg
120-83-2	2,4-Dichlorophenol	12	U	340	12	ug/Kg
91-20-3	Naphthalene	7.4	U	340	7.4	ug/Kg
106-47-8	4-Chloroaniline	130	U	340	130	ug/Kg
87-68-3	Hexachlorobutadiene	12	U	340	12	ug/Kg
105-60-2	Caprolactam	13	U	340	13	ug/Kg
59-50-7	4-Chloro-3-methylphenol	10	U	340	10	ug/Kg
91-57-6	2-Methylnaphthalene	5.9	U	340	5.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.6	U	340	8.6	ug/Kg
88-06-2	2,4,6-Trichlorophenol	12	U	340	12	ug/Kg
95-95-4	2,4,5-Trichlorophenol	23	U	860	23	ug/Kg
92-52-4	1,1-Biphenyl	10	U	340	10	ug/Kg
91-58-7	2-Chloronaphthalene	7.1	U	340	7.1	ug/Kg
88-74-4	2-Nitroaniline	12	U	860	12	ug/Kg
131-11-3	Dimethylphthalate	8.2	U	340	8.2	ug/Kg
208-96-8	Acenaphthylene	10	U	340	10	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	340	15	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-7	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	1
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014347.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	55	U	860	55	ug/Kg
83-32-9	Acenaphthene	7.5	U	340	7.5	ug/Kg
51-28-5	2,4-Dinitrophenol	15 UJ	U	860	15	ug/Kg
100-02-7	4-Nitrophenol	33	U	860	33	ug/Kg
132-64-9	Dibenzofuran	11	U	340	11	ug/Kg
121-14-2	2,4-Dinitrotoluene	6.8	U	340	6.8	ug/Kg
84-66-2	Diethylphthalate	11	U	340	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	8.5	U	340	8.5	ug/Kg
86-73-7	Fluorene	9.7	U	340	9.7	ug/Kg
100-01-6	4-Nitroaniline	27	U	860	27	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	860	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.7	U	340	8.7	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.0	U	340	9.0	ug/Kg
118-74-1	Hexachlorobenzene	6.4	U	340	6.4	ug/Kg
1912-24-9	Atrazine	10	U	340	10	ug/Kg
87-86-5	Pentachlorophenol	11	U	860	11	ug/Kg
85-01-8	Phenanthrene	87	J	340	7.7	ug/Kg
120-12-7	Anthracene	8.2	U	340	8.2	ug/Kg
86-74-8	Carbazole	7.5	U	340	7.5	ug/Kg
84-74-2	Di-n-butylphthalate	4.5	U	340	4.5	ug/Kg
206-44-0	Fluoranthene	120	J	340	4.8	ug/Kg
129-00-0	Pyrene	130	J	340	6.1	ug/Kg
85-68-7	Butylbenzylphthalate	11	U	340	11	ug/Kg
91-94-1	3,3-Dichlorobenzidine	55 UJ	U	340	55	ug/Kg
56-55-3	Benzo(a)anthracene	66	J	340	5.3	ug/Kg
218-01-9	Chrysene	79	J	340	11	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	7.9	U	340	7.9	ug/Kg
117-84-0	Di-n-octyl phthalate	8.2	U	340	8.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	74	J	340	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	43	J	340	12	ug/Kg
50-32-8	Benzo(a)pyrene	63	J	340	5.9	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-7	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	4
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014347.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.3	U	340	8.3	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10	U	340	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15	U	340	15	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	274.15	91 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	272.91	91 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	161.05	81 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	197.37	99 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	216.86	72 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	219.42	110 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	463461	6.54			
1146-65-2	Naphthalene-d8	1493672	8.89			
15067-26-2	Acenaphthene-d10	829505	12.32			
1517-22-2	Phenanthrene-d10	1123077	15.25			
1719-03-5	Chrysene-d12	1151395	20.52			
1520-96-3	Perylene-d12	1250628	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
34075280	Butane, 2,3-dimethyl-2-nitro-	300	J	3.08		ug/Kg
0	1-Methylbutyl methacrylate	190	J	3.59		ug/Kg
	ACP	~~1000~~ U	~~AB~~	3.83		ug/Kg
1921706	Pentadecane, 2,6,10,14-tetramethy	140	J	14.26		ug/Kg
57103	Hexadecanoic acid	460	J	16.51		ug/Kg
27519024	9-Tricosene, (Z)-	300	J	20.35		ug/Kg
106285	2,6,10-Dodecatrien-1-ol, 3,7,11-t	160	J	22.33		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-8	SDG No.:	S4751-01
Lab Sample ID:	S4751-07	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	10
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014349.D	5	9/22/04	9/25/04	BA082494

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	350	U	3600	350	ug/Kg
108-95-2	Phenol	150	U	3600	150	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	3600	180	ug/Kg
95-57-8	2-Chlorophenol	160	U	3600	160	ug/Kg
95-48-7	2-Methylphenol	230	U	3600	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	3600	200	ug/Kg
98-86-2	Acetophenone	190	U	3600	190	ug/Kg
106-44-5	3+4-Methylphenols	170	U	3600	170	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	3600	160	ug/Kg
67-72-1	Hexachloroethane	170	U	3600	170	ug/Kg
98-95-3	Nitrobenzene	180	U	3600	180	ug/Kg
78-59-1	Isophorone	130	U	3600	130	ug/Kg
88-75-5	2-Nitrophenol	150	U	3600	150	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	3600	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	3600	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	3600	130	ug/Kg
91-20-3	Naphthalene	79	U	3600	79	ug/Kg
106-47-8	4-Chloroaniline	1300	U	3600	1300	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	3600	130	ug/Kg
105-60-2	Caprolactam	130	U	3600	130	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	3600	110	ug/Kg
91-57-6	2-Methylnaphthalene	62	U	3600	62	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	3600	91	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	3600	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	9100	240	ug/Kg
92-52-4	1,1-Biphenyl	110	U	3600	110	ug/Kg
91-58-7	2-Chloronaphthalene	75	U	3600	75	ug/Kg
88-74-4	2-Nitroaniline	130	U	9100	130	ug/Kg
131-11-3	Dimethylphthalate	86	U	3600	86	ug/Kg
208-96-8	Acenaphthylene	110	U	3600	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	3600	150	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-8	SDG No.:	S4751-01
Lab Sample ID:	S4751-07	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	10
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014349.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	580	U	9100	580	ug/Kg
83-32-9	Acenaphthene	80	U	3600	80	ug/Kg
51-28-5	2,4-Dinitrophenol	160 UJ	U	9100	160	ug/Kg
100-02-7	4-Nitrophenol	350	U	9100	350	ug/Kg
132-64-9	Dibenzofuran	120	U	3600	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72	U	3600	72	ug/Kg
84-66-2	Diethylphthalate	110	U	3600	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90	U	3600	90	ug/Kg
86-73-7	Fluorene	100	U	3600	100	ug/Kg
100-01-6	4-Nitroaniline	280	U	9100	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	9100	210	ug/Kg
86-30-6	N-Nitrosodiphenylamine	92	U	3600	92	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95	U	3600	95	ug/Kg
118-74-1	Hexachlorobenzene	68	U	3600	68	ug/Kg
1912-24-9	Atrazine	110	U	3600	110	ug/Kg
87-86-5	Pentachlorophenol	110	U	9100	110	ug/Kg
85-01-8	Phenanthrene	81	U	3600	81	ug/Kg
120-12-7	Anthracene	86	U	3600	86	ug/Kg
86-74-8	Carbazole	80	U	3600	80	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	3600	48	ug/Kg
206-44-0	Fluoranthene	390	J	3600	50	ug/Kg
129-00-0	Pyrene	560	J	3600	65	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	3600	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580 UJ	U	3600	580	ug/Kg
56-55-3	Benzo(a)anthracene	55	U	3600	55	ug/Kg
218-01-9	Chrysene	110	U	3600	110	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	83	U	3600	83	ug/Kg
117-84-0	Di-n-octyl phthalate	86	U	3600	86	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	3600	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	3600	120	ug/Kg
50-32-8	Benzo(a)pyrene	62	U	3600	62	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-8	SDG No.:	S4751-01
Lab Sample ID:	S4751-07	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	10
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014349.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	87	U	3600	87	ug/Kg
53-70-3	Dibenz(a,h)anthracene	110	U	3600	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	3600	160	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	276.4	92 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	274.8	92 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	153.5	77 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	193.2	97 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	222.3	74 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	214.4	107 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	484260	6.54			
1146-65-2	Naphthalene-d8	1647888	8.89			
15067-26-2	Acenaphthene-d10	867065	12.32			
1517-22-2	Phenanthrene-d10	1287796	15.25			
1719-03-5	Chrysene-d12	1200905	20.52			
1520-96-3	Perylene-d12	1274727	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1300~~ U ~~AB~~		3.83		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	1600	J	14.27		ug/Kg
	Unknown	1100	J	22.54		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-9	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-08	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014345.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	34	U	350	34	ug/Kg
108-95-2	Phenol	15	U	350	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	350	17	ug/Kg
95-57-8	2-Chlorophenol	15	U	350	15	ug/Kg
95-48-7	2-Methylphenol	22	U	350	22	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	19	U	350	19	ug/Kg
98-86-2	Acetophenone	18	U	350	18	ug/Kg
106-44-5	3+4-Methylphenols	16	U	350	16	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	16	U	350	16	ug/Kg
67-72-1	Hexachloroethane	17	U	350	17	ug/Kg
98-95-3	Nitrobenzene	18	U	350	18	ug/Kg
78-59-1	Isophorone	13	U	350	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	350	14	ug/Kg
105-67-9	2,4-Dimethylphenol	19	U	350	19	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	16	U	350	16	ug/Kg
120-83-2	2,4-Dichlorophenol	12	U	350	12	ug/Kg
91-20-3	Naphthalene	7.7	U	350	7.7	ug/Kg
106-47-8	4-Chloroaniline	130	U	350	130	ug/Kg
87-68-3	Hexachlorobutadiene	12	U	350	12	ug/Kg
105-60-2	Caprolactam	13	U	350	13	ug/Kg
59-50-7	4-Chloro-3-methylphenol	10	U	350	10	ug/Kg
91-57-6	2-Methylnaphthalene	6.1	U	350	6.1	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.8	U	350	8.8	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	350	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	23	U	880	23	ug/Kg
92-52-4	1,1-Biphenyl	10	U	350	10	ug/Kg
91-58-7	2-Chloronaphthalene	7.3	U	350	7.3	ug/Kg
88-74-4	2-Nitroaniline	13	U	880	13	ug/Kg
131-11-3	Dimethylphthalate	8.4	U	350	8.4	ug/Kg
208-96-8	Acenaphthylene	11	U	350	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	350	15	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-9	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-08	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014345.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	57	U	880	57	ug/Kg
83-32-9	Acenaphthene	7.8	U	350	7.8	ug/Kg
51-28-5	2,4-Dinitrophenol	16 UJ	U	889	16	ug/Kg
100-02-7	4-Nitrophenol	34	U	880	34	ug/Kg
132-64-9	Dibenzofuran	12	U	350	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.0	U	350	7.0	ug/Kg
84-66-2	Diethylphthalate	11	U	350	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	8.7	U	350	8.7	ug/Kg
86-73-7	Fluorene	10	U	350	10	ug/Kg
100-01-6	4-Nitroaniline	28	U	880	28	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	880	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.9	U	350	8.9	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.2	U	350	9.2	ug/Kg
118-74-1	Hexachlorobenzene	6.6	U	350	6.6	ug/Kg
1912-24-9	Atrazine	11	U	350	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	880	11	ug/Kg
85-01-8	Phenanthrene	7.9	U	350	7.9	ug/Kg
120-12-7	Anthracene	8.4	U	350	8.4	ug/Kg
86-74-8	Carbazole	7.8	U	350	7.8	ug/Kg
84-74-2	Di-n-butylphthalate	4.7	U	350	4.7	ug/Kg
206-44-0	Fluoranthene	4.9	U	350	4.9	ug/Kg
129-00-0	Pyrene	6.3	U	350	6.3	ug/Kg
85-68-7	Butylbenzylphthalate	12	U	350	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	56 UJ	U	350	56	ug/Kg
56-55-3	Benzo(a)anthracene	5.3	U	350	5.3	ug/Kg
218-01-9	Chrysene	11	U	350	11	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	8.1	U	350	8.1	ug/Kg
117-84-0	Di-n-octyl phthalate	8.4	U	350	8.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	19	U	350	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	12	U	350	12	ug/Kg
50-32-8	Benzo(a)pyrene	6.1	U	350	6.1	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-9	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-08	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	7
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 ml

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014345.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.5	U	350	8.5	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10	U	350	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15	U	350	15	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	285.43	95 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	291.78	97 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	161.68	81 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	200.51	100 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	226.54	76 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	260.28	130 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	392047	6.53			
1146-65-2	Naphthalene-d8	1247144	8.88			
15067-26-2	Acenaphthene-d10	704435	12.32			
1517-22-2	Phenanthrene-d10	1107619	15.25			
1719-03-5	Chrysene-d12	972866	20.52			
1520-96-3	Perylene-d12	1138970	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1100~~ U	~~AB~~	3.83		ug/Kg
57103	Hexadecanoic acid	320	J	16.52		ug/Kg
1599673	1-Docosene	170	J	20.35		ug/Kg
106285	2,6,10-Dodecatrien-1-ol, 3,7,11-t	450	J	22.32		ug/Kg
87745311	Aciphyllene	230	J	26.61		ug/Kg
4733395	1,10-Phenanthroline, 2,9-dimethyl	230	JB	27.12		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014354.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	34	U	350	34	ug/Kg
108-95-2	Phenol	15	U	350	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	17	U	350	17	ug/Kg
95-57-8	2-Chlorophenol	15	U	350	15	ug/Kg
95-48-7	2-Methylphenol	22	U	350	22	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	19	U	350	19	ug/Kg
98-86-2	Acetophenone	18	U	350	18	ug/Kg
106-44-5	3+4-Methylphenols	16	U	350	16	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	15	U	350	15	ug/Kg
67-72-1	Hexachloroethane	17	U	350	17	ug/Kg
98-95-3	Nitrobenzene	18	U	350	18	ug/Kg
78-59-1	Isophorone	13	U	350	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	350	14	ug/Kg
105-67-9	2,4-Dimethylphenol	19	U	350	19	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	16	U	350	16	ug/Kg
120-83-2	2,4-Dichlorophenol	12	U	350	12	ug/Kg
91-20-3	Naphthalene	1600		350	7.6	ug/Kg
106-47-8	4-Chloroaniline	130	U	350	130	ug/Kg
87-68-3	Hexachlorobutadiene	12	U	350	12	ug/Kg
105-60-2	Caprolactam	13	U	350	13	ug/Kg
59-50-7	4-Chloro-3-methylphenol	10	U	350	10	ug/Kg
91-57-6	2-Methylnaphthalene	630		350	6.0	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8.8	U	350	8.8	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	350	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	23	U	880	23	ug/Kg
92-52-4	1,1-Biphenyl	170	J	350	10	ug/Kg
91-58-7	2-Chloronaphthalene	7.3	U	350	7.3	ug/Kg
88-74-4	2-Nitroaniline	13	U	880	13	ug/Kg
131-11-3	Dimethylphthalate	8.3	U	350	8.3	ug/Kg
208-96-8	Acenaphthylene	420		350	10	ug/Kg
606-20-2	2,6-Dinitrotoluene	15	U	350	15	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014354.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	56	U	880	56	ug/Kg
83-32-9	Acenaphthene	850		350	7.7	ug/Kg
51-28-5	2,4-Dinitrophenol	15 UJ	U	880	15	ug/Kg
100-02-7	4-Nitrophenol	34	U	880	34	ug/Kg
132-64-9	Dibenzofuran	840		350	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.0	U	350	7.0	ug/Kg
84-66-2	Diethylphthalate	11	U	350	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	8.7	U	350	8.7	ug/Kg
86-73-7	Fluorene	1800		350	9.9	ug/Kg
100-01-6	4-Nitroaniline	27	U	880	27	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	880	20	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8.9	U	350	8.9	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.2	U	350	9.2	ug/Kg
118-74-1	Hexachlorobenzene	6.5	U	350	6.5	ug/Kg
1912-24-9	Atrazine	11	U	350	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	880	11	ug/Kg
85-01-8	Phenanthrene	7300	E	350	7.8	ug/Kg
120-12-7	Anthracene	1900		350	8.3	ug/Kg
86-74-8	Carbazole	940		350	7.7	ug/Kg
84-74-2	Di-n-butylphthalate	4.6	U	350	4.6	ug/Kg
206-44-0	Fluoranthene	5100	E	350	4.9	ug/Kg
129-00-0	Pyrene	5200	E	350	6.2	ug/Kg
85-68-7	Butylbenzylphthalate	12	U	350	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	56 UJ	U	350	56	ug/Kg
56-55-3	Benzo(a)anthracene	1500		350	5.3	ug/Kg
218-01-9	Chrysene	1600		350	11	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	74	J	350	8.0	ug/Kg
117-84-0	Di-n-octyl phthalate	8.3	U	350	8.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800 J		350	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000 J		350	12	ug/Kg
50-32-8	Benzo(a)pyrene	1400 J		350	6.0	ug/Kg

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014354.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	200	J	350	8.4	ug/Kg
53-70-3	Dibenz(a,h)anthracene	10 U J	U	350	10	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340 J	J	350	15	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	257.72	86 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	271.85	91 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	148.7	74 %	23 - 120		SPK: 30
321-60-8	2-Fluorobiphenyl	200.6	100 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	233.55	78 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	220.15	110 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	469591	6.54			
1146-65-2	Naphthalene-d8	1556796	8.90			
15067-26-2	Acenaphthene-d10	750779	12.33			
1517-22-2	Phenanthrene-d10	1198196	15.27			
1719-03-5	Chrysene-d12	1276334	20.55			
1520-96-3	Perylene-d12	790297	23.35			
TENTITIVE IDENTIFIED COMPOUNDS						
75912	tert-Butyl Hydroperoxide	990	J	3.83		ug/Kg
	ACP	~~990~~ U ~~AB~~		3.83		ug/Kg
264095	Benzocycloheptatriene	500	J	10.47		ug/Kg
575417	Naphthalene, 1,3-dimethyl-	440	J	11.68		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	480	J	11.90		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	540	J	12.83		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	430	J	13.16		ug/Kg
1560890	Heptadecane, 2-methyl-	940	J	13.74		ug/Kg
1921706	Pentadecane, 2,6,10,14-tetramethy	1500	J	14.28		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	460	J	14.34		ug/Kg
23966587	Benzamide, o-(2-hydroxy-2,2-dip	460	J	14.38		ug/Kg
25154523	Phenol, nonyl-	590	J	14.46		ug/Kg
1730376	9H-Fluorene, 1-methyl-	980	J	14.50		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014354.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
	Unknown	610	J	14.57		ug/Kg
132650	Dibenzothiophene	480	J	15.06		ug/Kg
55045108	Tridecane, 6-propyl-	690	J	15.20		ug/Kg
4612639	9H-Fluorene, 2,3-dimethyl-	840	J	15.54		ug/Kg
779022	Anthracene, 9-methyl-	1100	J	16.28		ug/Kg
613127	Anthracene, 2-methyl-	1100	J	16.34		ug/Kg
203645	4H-Cyclopenta[def]phenanthrene	1700	J	16.50		ug/Kg
	Unknown	1700	J	23.11		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10DL	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018701.D	5	9/22/04	9/25/04	BB69204

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	170	UD	1700	170	ug/Kg
108-95-2	Phenol	73	UD	1700	73	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86	UD	1700	86	ug/Kg
95-57-8	2-Chlorophenol	75	UD	1700	75	ug/Kg
95-48-7	2-Methylphenol	110	UD	1700	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	94	UD	1700	94	ug/Kg
98-86-2	Acetophenone	91	UD	1700	91	ug/Kg
106-44-5	3+4-Methylphenols	80	UD	1700	80	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	77	UD	1700	77	ug/Kg
67-72-1	Hexachloroethane	83	UD	1700	83	ug/Kg
98-95-3	Nitrobenzene	89	UD	1700	89	ug/Kg
78-59-1	Isophorone	65	UD	1700	65	ug/Kg
88-75-5	2-Nitrophenol	70	UD	1700	70	ug/Kg
105-67-9	2,4-Dimethylphenol	94	UD	1700	94	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	80	UD	1700	80	ug/Kg
120-83-2	2,4-Dichlorophenol	61	UD	1700	61	ug/Kg
91-20-3	Naphthalene	1700	JD	1700	38	ug/Kg
106-47-8	4-Chloroaniline	650	UD	1700	650	ug/Kg
87-68-3	Hexachlorobutadiene	61	UD	1700	61	ug/Kg
105-60-2	Caprolactam	64	UD	1700	64	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	UD	1700	52	ug/Kg
91-57-6	2-Methylnaphthalene	780	JD	1700	30	ug/Kg
77-47-4	Hexachlorocyclopentadiene	44 UJ	UD	1700	44	ug/Kg
88-06-2	2,4,6-Trichlorophenol	63	UD	1700	63	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	UD	4400	120	ug/Kg
92-52-4	1,1-Biphenyl	250	JD	1700	52	ug/Kg
91-58-7	2-Chloronaphthalene	36	UD	1700	36	ug/Kg
88-74-4	2-Nitroaniline	63	UD	4400	63	ug/Kg
131-11-3	Dimethylphthalate	42	UD	1700	42	ug/Kg
208-96-8	Acenaphthylene	470	JD	1700	52	ug/Kg
606-20-2	2,6-Dinitrotoluene	74	UD	1700	74	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-10DL	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-09DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	6
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018701.D	5	9/22/04	9/25/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	280	UD	4400	280	ug/Kg
83-32-9	Acenaphthene	1100	JD	1700	39	ug/Kg
51-28-5	2,4-Dinitrophenol	77 UJ	UD	4400	77	ug/Kg
100-02-7	4-Nitrophenol	170 UJ	UD	4400	170	ug/Kg
132-64-9	Dibenzofuran	940	JD	1700	58	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	UD	1700	35	ug/Kg
84-66-2	Diethylphthalate	55	UD	1700	55	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	43	UD	1700	43	ug/Kg
86-73-7	Fluorene	2100	D	1700	50	ug/Kg
100-01-6	4-Nitroaniline	140	UD	4400	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	UD	4400	100	ug/Kg
86-30-6	N-Nitrosodiphenylamine	44	UD	1700	44	ug/Kg
101-55-3	4-Bromophenyl-phenylether	46	UD	1700	46	ug/Kg
118-74-1	Hexachlorobenzene	33	UD	1700	33	ug/Kg
1912-24-9	Atrazine	53	UD	1700	53	ug/Kg
87-86-5	Pentachlorophenol	54	UD	4400	54	ug/Kg
85-01-8	Phenanthrene	6600	D	1700	39	ug/Kg
120-12-7	Anthracene	1800	D	1700	42	ug/Kg
86-74-8	Carbazole	780	JD	1700	39	ug/Kg
84-74-2	Di-n-butylphthalate	23	UD	1700	23	ug/Kg
206-44-0	Fluoranthene	4500	D	1700	24	ug/Kg
129-00-0	Pyrene	3400	D	1700	31	ug/Kg
85-68-7	Butylbenzylphthalate	59	UD	1700	59	ug/Kg
91-94-1	3,3-Dichlorobenzidine	280	UD	1700	280	ug/Kg
56-55-3	Benzo(a)anthracene	1600	JD	1700	26	ug/Kg
218-01-9	Chrysene	1300	JD	1700	55	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	40	UD	1700	40	ug/Kg
117-84-0	Di-n-octyl phthalate	42	UD	1700	42	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400	JD	1700	93	ug/Kg
207-08-9	Benzo(k)fluoranthene	600	JD	1700	60	ug/Kg
50-32-8	Benzo(a)pyrene	1200	JD	1700	30	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-10DL	SDG No.:	S4751-01
Lab Sample ID:	S4751-09DL	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	6
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018701.D	5	9/22/04	9/25/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	500	JD	1700	42	ug/Kg
53-70-3	Dibenz(a,h)anthracene	51	UD	1700	51	ug/Kg
191-24-2	Benzo(g,h,i)perylene	610 J	JD	1700	76	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	228.8	76 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	288.85	96 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	144.35	72 %	23 - 120		SPK: 30
321-60-8	2-Fluorobiphenyl	177.2	89 %	30 - 116		SPK: 30
118-79-6	2,4,6-Tribromophenol	211.8	71 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	157.65	79 %	18 - 137		SPK: 29
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	714348	6.52			
1146-65-2	Naphthalene-d8	3382797	8.83			
15067-26-2	Acenaphthene-d10	1695047	12.31			
1517-22-2	Phenanthrene-d10	2735765	15.33			
1719-03-5	Chrysene-d12	2378471	20.70			
1520-96-3	Perylene-d12	2132610	24.12			

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-11	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014348.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	40	U	410	40	ug/Kg
108-95-2	Phenol	17	U	410	17	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	20	U	410	20	ug/Kg
95-57-8	2-Chlorophenol	18	U	410	18	ug/Kg
95-48-7	2-Methylphenol	26	U	410	26	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	22	U	410	22	ug/Kg
98-86-2	Acetophenone	21	U	410	21	ug/Kg
106-44-5	3+4-Methylphenols	19	U	410	19	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	18	U	410	18	ug/Kg
67-72-1	Hexachloroethane	20	U	410	20	ug/Kg
98-95-3	Nitrobenzene	21	U	410	21	ug/Kg
78-59-1	Isophorone	15	U	410	15	ug/Kg
88-75-5	2-Nitrophenol	16	U	410	16	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	410	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	19	U	410	19	ug/Kg
120-83-2	2,4-Dichlorophenol	14	U	410	14	ug/Kg
91-20-3	Naphthalene	8.9	U	410	8.9	ug/Kg
106-47-8	4-Chloroaniline	150	U	410	150	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	410	14	ug/Kg
105-60-2	Caprolactam	15	U	410	15	ug/Kg
59-50-7	4-Chloro-3-methylphenol	12	U	410	12	ug/Kg
91-57-6	2-Methylnaphthalene	7.0	U	410	7.0	ug/Kg
77-47-4	Hexachlorocyclopentadiene	10	U	410	10	ug/Kg
88-06-2	2,4,6-Trichlorophenol	15	U	410	15	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	1000	27	ug/Kg
92-52-4	1,1-Biphenyl	12	U	410	12	ug/Kg
91-58-7	2-Chloronaphthalene	8.5	U	410	8.5	ug/Kg
88-74-4	2-Nitroaniline	15	U	1000	15	ug/Kg
131-11-3	Dimethylphthalate	9.8	U	410	9.8	ug/Kg
208-96-8	Acenaphthylene	12	U	410	12	ug/Kg
606-20-2	2,6-Dinitrotoluene	17	U	410	17	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-11	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014348.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	66	U	1000	66	ug/Kg
83-32-9	Acenaphthene	9.0	U	410	9.0	ug/Kg
51-28-5	2,4-Dinitrophenol	18 UJ	U	1000	18	ug/Kg
100-02-7	4-Nitrophenol	40	U	1000	40	ug/Kg
132-64-9	Dibenzofuran	13	U	410	13	ug/Kg
121-14-2	2,4-Dinitrotoluene	8.2	U	410	8.2	ug/Kg
84-66-2	Diethylphthalate	13	U	410	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	10	U	410	10	ug/Kg
86-73-7	Fluorene	12	U	410	12	ug/Kg
100-01-6	4-Nitroaniline	32	U	1000	32	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	1000	24	ug/Kg
86-30-6	N-Nitrosodiphenylamine	10	U	410	10	ug/Kg
101-55-3	4-Bromophenyl-phenylether	11	U	410	11	ug/Kg
118-74-1	Hexachlorobenzene	7.7	U	410	7.7	ug/Kg
1912-24-9	Atrazine	12	U	410	12	ug/Kg
87-86-5	Pentachlorophenol	13	U	1000	13	ug/Kg
85-01-8	Phenanthrene	200	J	410	9.1	ug/Kg
120-12-7	Anthracene	44	J	410	9.3	ug/Kg
86-74-8	Carbazole	9.0	U	410	9.0	ug/Kg
84-74-2	Di-n-butylphthalate	5.4	U	410	5.4	ug/Kg
206-44-0	Fluoranthene	430		410	5.7	ug/Kg
129-00-0	Pyrene	480		410	7.3	ug/Kg
85-68-7	Butylbenzylphthalate	14	U	410	14	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66 UJ	U	410	66	ug/Kg
56-55-3	Benzo(a)anthracene	220	J	410	6.2	ug/Kg
218-01-9	Chrysene	270	J	410	13	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	64	J	410	9.4	ug/Kg
117-84-0	Di-n-octyl phthalate	9.8	U	410	9.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	330	J	410	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	410	14	ug/Kg
50-32-8	Benzo(a)pyrene	240	J	410	7.0	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-11	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014348.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	410	9.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	12	U	410	12	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	410	18	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	296.35	99 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	297.8	99 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	159.63	80 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	213.84	107 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	237.19	79 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	230.94	115 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	480374	6.54			
1146-65-2	Naphthalene-d8	1594083	8.89			
15067-26-2	Acenaphthene-d10	858697	12.32			
1517-22-2	Phenanthrene-d10	1261363	15.26			
1719-03-5	Chrysene-d12	1243630	20.53			
1520-96-3	Perylene-d12	1287727	23.34			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1300~~ U	~~AB~~	3.83		ug/Kg
57103	Hexadecanoic acid	1400	J	16.53		ug/Kg
297030	Cyclotetracosane	440	J	20.37		ug/Kg
36237668	6,10,14-Hexadecatrien-1-ol, 3,7,11	440	J	22.33		ug/Kg
77899106	(Z)14-Tricosenyl formate	230	J	22.46		ug/Kg
112958	Eicosane	320	J	22.81		ug/Kg
66394749	Urs-20-en-16-ol, (16.beta.,18.alph	320	J	23.50		ug/Kg
1560981	Octacosane, 2-methyl-	230	J	23.77		ug/Kg
0	1-Hexacosanal	560	J	23.91		ug/Kg
	Unknown	500	J	24.33		ug/Kg
36728720	28-Nor-17.beta.(H)-hopane	1100	J	24.54		ug/Kg
53584604	28-Nor-17.alpha.(H)-hopane	250	J	25.02		ug/Kg
54832825	Tricyclo[4.3.0.07,9]nonane, 2,2,5,	830	J	25.34		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-11	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014348.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
7320378	Oxirane, tetradecyl-	340	J	25.88		ug/Kg
36728720	28-Nor-17.beta.(H)-hopane	330	J	26.42		ug/Kg
55401757	Anthracene, 9-dodecyltetradecahy	280	J	26.55		ug/Kg
83476	.gamma.-Sitosterol	220	J	27.25		ug/Kg
74806567	Cyclohexane, 1,2-dimethyl-3,5-bi	210	J	28.21		ug/Kg
	Unknown	410	J	28.76		ug/Kg
58220	Testosterone	270	J	29.25		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-12	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-11	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014351.D	2	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	76	U	770	76	ug/Kg
108-95-2	Phenol	32	U	770	32	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	38	U	770	38	ug/Kg
95-57-8	2-Chlorophenol	33	U	770	33	ug/Kg
95-48-7	2-Methylphenol	49	U	770	49	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42	U	770	42	ug/Kg
98-86-2	Acetophenone	40	U	770	40	ug/Kg
106-44-5	3+4-Methylphenols	36	U	770	36	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	770	34	ug/Kg
67-72-1	Hexachloroethane	37	U	770	37	ug/Kg
98-95-3	Nitrobenzene	39	U	770	39	ug/Kg
78-59-1	Isophorone	29	U	770	29	ug/Kg
88-75-5	2-Nitrophenol	31	U	770	31	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	770	42	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35	U	770	35	ug/Kg
120-83-2	2,4-Dichlorophenol	27	U	770	27	ug/Kg
91-20-3	Naphthalene	17	U	770	17	ug/Kg
106-47-8	4-Chloroaniline	290	U	770	290	ug/Kg
87-68-3	Hexachlorobutadiene	27	U	770	27	ug/Kg
105-60-2	Caprolactam	29	U	770	29	ug/Kg
59-50-7	4-Chloro-3-methylphenol	23	U	770	23	ug/Kg
91-57-6	2-Methylnaphthalene	13	U	770	13	ug/Kg
77-47-4	Hexachlorocyclopentadiene	19	U	770	19	ug/Kg
88-06-2	2,4,6-Trichlorophenol	28	U	770	28	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	1900	51	ug/Kg
92-52-4	1,1-Biphenyl	23	U	770	23	ug/Kg
91-58-7	2-Chloronaphthalene	16	U	770	16	ug/Kg
88-74-4	2-Nitroaniline	28	U	1900	28	ug/Kg
131-11-3	Dimethylphthalate	18	U	770	18	ug/Kg
208-96-8	Acenaphthylene	23	U	770	23	ug/Kg
606-20-2	2,6-Dinitrotoluene	33	U	770	33	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-12	SDG No.:	S4751-01
Lab Sample ID:	S4751-11	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	15
Sample Wt/Vol:	15.1 g	Extract Vol:	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014351.D	2	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	120	U	1900	120	ug/Kg
83-32-9	Acenaphthene	17	U	770	17	ug/Kg
51-28-5	2,4-Dinitrophenol	34 UJ	U	1900	34	ug/Kg
100-02-7	4-Nitrophenol	75	U	1900	75	ug/Kg
132-64-9	Dibenzofuran	25	U	770	25	ug/Kg
121-14-2	2,4-Dinitrotoluene	15	U	770	15	ug/Kg
84-66-2	Diethylphthalate	24	U	770	24	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	19	U	770	19	ug/Kg
86-73-7	Fluorene	22	U	770	22	ug/Kg
100-01-6	4-Nitroaniline	61	U	1900	61	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	45	U	1900	45	ug/Kg
86-30-6	N-Nitrosodiphenylamine	20	U	770	20	ug/Kg
101-55-3	4-Bromophenyl-phenylether	20	U	770	20	ug/Kg
118-74-1	Hexachlorobenzene	14	U	770	14	ug/Kg
1912-24-9	Atrazine	24	U	770	24	ug/Kg
87-86-5	Pentachlorophenol	24	U	1900	24	ug/Kg
85-01-8	Phenanthrene	200	J	770	17	ug/Kg
120-12-7	Anthracene	18	U	770	18	ug/Kg
86-74-8	Carbazole	17	U	770	17	ug/Kg
84-74-2	Di-n-butylphthalate	10	U	770	10	ug/Kg
206-44-0	Fluoranthene	300	J	770	11	ug/Kg
129-00-0	Pyrene	410	J	770	14	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	770	26	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120 UJ	U	770	120	ug/Kg
56-55-3	Benzo(a)anthracene	200	J	770	12	ug/Kg
218-01-9	Chrysene	240	J	770	25	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	81	J	770	18	ug/Kg
117-84-0	Di-n-octyl phthalate	18	U	770	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	J	770	41	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	770	26	ug/Kg
50-32-8	Benzo(a)pyrene	210	J	770	13	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSS-12	SDG No.:	S4751-01
Lab Sample ID:	S4751-11	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	15
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014351.D	2	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	19	U	770	19	ug/Kg
53-70-3	Dibenz(a,h)anthracene	23	U	770	23	ug/Kg
191-24-2	Benzo(g,h,i)perylene	34	U	770	34	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	265.68	89 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	264.22	88 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	157.54	79 %	23 - 120		SPK: 30
321-60-8	2-Fluorobiphenyl	179.6	90 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	238.68	80 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	215.76	108 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	494116	6.54			
1146-65-2	Naphthalene-d8	1652831	8.90			
15067-26-2	Acenaphthene-d10	971967	12.33			
1517-22-2	Phenanthrene-d10	1447074	15.25			
1719-03-5	Chrysene-d12	1208761	20.53			
1520-96-3	Perylene-d12	1004460	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1100~~ U	~~AB~~	3.82		ug/Kg
6283256	Benzenamine, 2-chloro-5-nitro-	590	J	14.45		ug/Kg
57103	Hexadecanoic acid	1100	J	16.52		ug/Kg
3674666	Phenanthrene, 2,5-dimethyl-	250	J	17.38		ug/Kg
501246	Phenol, 3-pentadecyl-	430	J	19.03		ug/Kg
27519024	9-Tricosene, (Z)-	570	J	20.36		ug/Kg
638675	Tricosane	290	J	21.58		ug/Kg
0	1,4-Benzenediamine, N,N-dimethy	1900	J	21.64		ug/Kg
629970	Docosane	210	J	22.17		ug/Kg
141128	2,6-Octadien-1-ol, 3,7-dimethyl-, a	620	J	22.33		ug/Kg
646311	Tetracosane	540	J	22.80		ug/Kg
1560925	Hexadecane, 2-methyl-	190	J	23.49		ug/Kg
55320064	Heneicosane, 11-decyl-	810	J	24.32		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-12	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-11	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014351.D	2	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
0	1,5-Bis(ethoxycarbonylmethylene)	180	J	24.49		ug/Kg
57885	Cholesterol	4200	J	24.99		ug/Kg
491350	Quinoline, 4-methyl-	230	J	25.96		ug/Kg
3386332	Octadecane, 1-chloro-	330	J	26.43		ug/Kg
0	4,6-Cholestadiene-3-one	280	J	26.81		ug/Kg
83476	.gamma.-Sitosterol	220	J	27.24		ug/Kg
6754661	5(1H)-Azulenone, 2,4,6,7,8,8a-h	470	J	29.22		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-65	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-12	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014356.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	760	U	7700	760	ug/Kg
108-95-2	Phenol	320	U	7700	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	7700	380	ug/Kg
95-57-8	2-Chlorophenol	330	U	7700	330	ug/Kg
95-48-7	2-Methylphenol	490	U	7700	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	420	U	7700	420	ug/Kg
98-86-2	Acetophenone	400	U	7700	400	ug/Kg
106-44-5	3+4-Methylphenols	360	U	7700	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	340	U	7700	340	ug/Kg
67-72-1	Hexachloroethane	370	U	7700	370	ug/Kg
98-95-3	Nitrobenzene	390	U	7700	390	ug/Kg
78-59-1	Isophorone	290	U	7700	290	ug/Kg
88-75-5	2-Nitrophenol	310	U	7700	310	ug/Kg
105-67-9	2,4-Dimethylphenol	420	U	7700	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	7700	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	7700	270	ug/Kg
91-20-3	Naphthalene	170	U	7700	170	ug/Kg
106-47-8	4-Chloroaniline	2900	U	7700	2900	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	7700	270	ug/Kg
105-60-2	Caprolactam	290	U	7700	290	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	7700	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	7700	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	7700	190	ug/Kg
88-06-2	2,4,6-Trichlorophenol	280	U	7700	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	510	U	19000	510	ug/Kg
92-52-4	1,1-Biphenyl	230	U	7700	230	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	7700	160	ug/Kg
88-74-4	2-Nitroaniline	280	U	19000	280	ug/Kg
131-11-3	Dimethylphthalate	180	U	7700	180	ug/Kg
208-96-8	Acenaphthylene	230	U	7700	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	330	U	7700	330	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-65	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-12	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014356.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1200	U	19000	1200	ug/Kg
83-32-9	Acenaphthene	170	U	7700	170	ug/Kg
51-28-5	2,4-Dinitrophenol	340 UJ	U	19000	340	ug/Kg
100-02-7	4-Nitrophenol	760	U	19000	760	ug/Kg
132-64-9	Dibenzofuran	260	U	7700	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	7700	150	ug/Kg
84-66-2	Diethylphthalate	240	U	7700	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	7700	190	ug/Kg
86-73-7	Fluorene	220	U	7700	220	ug/Kg
100-01-6	4-Nitroaniline	610	U	19000	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450	U	19000	450	ug/Kg
86-30-6	N-Nitrosodiphenylamine	200	U	7700	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	7700	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	7700	150	ug/Kg
1912-24-9	Atrazine	240	U	7700	240	ug/Kg
87-86-5	Pentachlorophenol	240	U	19000	240	ug/Kg
85-01-8	Phenanthrene	170	U	7700	170	ug/Kg
120-12-7	Anthracene	180	U	7700	180	ug/Kg
86-74-8	Carbazole	170	U	7700	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	7700	100	ug/Kg
206-44-0	Fluoranthene	110	U	7700	110	ug/Kg
129-00-0	Pyrene	820	J	7700	140	ug/Kg
85-68-7	Butylbenzylphthalate	260	U	7700	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200 UJ	U	7700	1200	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	7700	120	ug/Kg
218-01-9	Chrysene	250	U	7700	250	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	180	U	7700	180	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	7700	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	410 UJ	U	7700	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	260 UJ	U	7700	260	ug/Kg
50-32-8	Benzo(a)pyrene	130 UJ	U	7700	130	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-65	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-12	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014356.D	10	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	7700	190	ug/Kg
53-70-3	Dibenz(a,h)anthracene	230 UJ	U	7700	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340 UJ	U	7700	340	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	247	82 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	260.6	87 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	141.6	71 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	160.8	80 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	215.8	72 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	208.2	104 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	532965	6.54			
1146-65-2	Naphthalene-d8	1877288	8.89			
15067-26-2	Acenaphthene-d10	1134097	12.33			
1517-22-2	Phenanthrene-d10	1788931	15.26			
1719-03-5	Chrysene-d12	1224304	20.53			
1520-96-3	Perylene-d12	719086	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
630035	Nonacosane	2200	J	22.79		ug/Kg

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSB-65RE	SDG No.:	S4751-01
Lab Sample ID:	S4751-12RE	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	15
Sample Wt/Vol:	15.1 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018707.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	760	U	7700	760	ug/Kg
108-95-2	Phenol	320	U	7700	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	7700	380	ug/Kg
95-57-8	2-Chlorophenol	330	U	7700	330	ug/Kg
95-48-7	2-Methylphenol	490	U	7700	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	420	U	7700	420	ug/Kg
98-86-2	Acetophenone	400	U	7700	400	ug/Kg
106-44-5	3+4-Methylphenols	360	U	7700	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	340	U	7700	340	ug/Kg
67-72-1	Hexachloroethane	370	U	7700	370	ug/Kg
98-95-3	Nitrobenzene	390	U	7700	390	ug/Kg
78-59-1	Isophorone	290	U	7700	290	ug/Kg
88-75-5	2-Nitrophenol	310	U	7700	310	ug/Kg
105-67-9	2,4-Dimethylphenol	420	U	7700	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	U	7700	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	7700	270	ug/Kg
91-20-3	Naphthalene	170	U	7700	170	ug/Kg
106-47-8	4-Chloroaniline	2900	U	7700	2900	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	7700	270	ug/Kg
105-60-2	Caprolactam	290	U	7700	290	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	7700	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	7700	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190 UJ	U	7700	190	ug/Kg
88-06-2	2,4,6-Trichlorophenol	280	U	7700	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	510	U	19000	510	ug/Kg
92-52-4	1,1-Biphenyl	230	U	7700	230	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	7700	160	ug/Kg
88-74-4	2-Nitroaniline	280	U	19000	280	ug/Kg
131-11-3	Dimethylphthalate	180	U	7700	180	ug/Kg
208-96-8	Acenaphthylene	230	U	7700	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	330	U	7700	330	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-65RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-12RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.1 g	**Extract Vol:**	1000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018707.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1200	U	19000	1200	ug/Kg
83-32-9	Acenaphthene	170	U	7700	170	ug/Kg
51-28-5	2,4-Dinitrophenol	340 UJ	U	19000	340	ug/Kg
100-02-7	4-Nitrophenol	760 UJ	U	19000	760	ug/Kg
132-64-9	Dibenzofuran	260	U	7700	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	7700	150	ug/Kg
84-66-2	Diethylphthalate	240	U	7700	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	7700	190	ug/Kg
86-73-7	Fluorene	220	U	7700	220	ug/Kg
100-01-6	4-Nitroaniline	610	U	19000	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450	U	19000	450	ug/Kg
86-30-6	N-Nitrosodiphenylamine	200	U	7700	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	7700	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	7700	150	ug/Kg
1912-24-9	Atrazine	240	U	7700	240	ug/Kg
87-86-5	Pentachlorophenol	240	U	19000	240	ug/Kg
85-01-8	Phenanthrene	170	U	7700	170	ug/Kg
120-12-7	Anthracene	180	U	7700	180	ug/Kg
86-74-8	Carbazole	170	U	7700	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	7700	100	ug/Kg
206-44-0	Fluoranthene	800	J	7700	110	ug/Kg
129-00-0	Pyrene	870	J	7700	140	ug/Kg
85-68-7	Butylbenzylphthalate	260	U	7700	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200	U	7700	1200	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	7700	120	ug/Kg
218-01-9	Chrysene	250	U	7700	250	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	180	U	7700	180	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	7700	180	ug/Kg
205-99-2	Benzo(b)fluoranthene	410 UJ	U	7700	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	260 UJ	U	7700	260	ug/Kg
50-32-8	Benzo(a)pyrene	130 UJ	U	7700	130	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/16/04
Project:	Matt Petroleum Terminal	Date Received:	9/18/04
Client Sample ID:	PSB-65RE	SDG No.:	S4751-01
Lab Sample ID:	S4751-12RE	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	15
Sample Wt/Vol:	15.1 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018707.D	10	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	7700	190	ug/Kg
53-70-3	Dibenz(a,h)anthracene	230 UJ	U	7700	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340 UJ	U	7700	340	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	313.8	105 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	335.4	112 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	203	102 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	225.4	113 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	265.2	88 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	241	121 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	785752	6.51			
1146-65-2	Naphthalene-d8	3562106	8.84			
15067-26-2	Acenaphthene-d10	1835252	12.30			
1517-22-2	Phenanthrene-d10	3192209	15.33			
1719-03-5	Chrysene-d12	2085016	20.69			
1520-96-3	Perylene-d12	952887	24.10			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014355.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	36	U	370	36	ug/Kg
108-95-2	Phenol	15	U	370	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	18	U	370	18	ug/Kg
95-57-8	2-Chlorophenol	16	U	370	16	ug/Kg
95-48-7	2-Methylphenol	23	U	370	23	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	20	U	370	20	ug/Kg
98-86-2	Acetophenone	19	U	370	19	ug/Kg
106-44-5	3+4-Methylphenols	17	U	370	17	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	16	U	370	16	ug/Kg
67-72-1	Hexachloroethane	18	U	370	18	ug/Kg
98-95-3	Nitrobenzene	19	U	370	19	ug/Kg
78-59-1	Isophorone	14	U	370	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	370	15	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	370	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	370	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	370	13	ug/Kg
91-20-3	Naphthalene	8.0	U	370	8.0	ug/Kg
106-47-8	4-Chloroaniline	140	U	370	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	370	13	ug/Kg
105-60-2	Caprolactam	14	U	370	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	370	11	ug/Kg
91-57-6	2-Methylnaphthalene	6.3	U	370	6.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.2	U	370	9.2	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	370	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	24	U	920	24	ug/Kg
92-52-4	1,1-Biphenyl	11	U	370	11	ug/Kg
91-58-7	2-Chloronaphthalene	7.7	U	370	7.7	ug/Kg
88-74-4	2-Nitroaniline	13	U	920	13	ug/Kg
131-11-3	Dimethylphthalate	8.8	U	370	8.8	ug/Kg
208-96-8	Acenaphthylene	11	U	370	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	370	16	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014355.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	59	U	920	59	ug/Kg
83-32-9	Acenaphthene	8.1	U	370	8.1	ug/Kg
51-28-5	2,4-Dinitrophenol	16 UJ	U	920	16	ug/Kg
100-02-7	4-Nitrophenol	36	U	920	36	ug/Kg
132-64-9	Dibenzofuran	12	U	370	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.3	U	370	7.3	ug/Kg
84-66-2	Diethylphthalate	12	U	370	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.1	U	370	9.1	ug/Kg
86-73-7	Fluorene	10	U	370	10	ug/Kg
100-01-6	4-Nitroaniline	29	U	920	29	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21	U	920	21	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.3	U	370	9.3	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.7	U	370	9.7	ug/Kg
118-74-1	Hexachlorobenzene	6.9	U	370	6.9	ug/Kg
1912-24-9	Atrazine	11	U	370	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	920	11	ug/Kg
85-01-8	Phenanthrene	140	J	370	8.2	ug/Kg
120-12-7	Anthracene	8.8	U	370	8.8	ug/Kg
86-74-8	Carbazole	8.1	U	370	8.1	ug/Kg
84-74-2	Di-n-butylphthalate	4.9	U	370	4.9	ug/Kg
206-44-0	Fluoranthene	260	J	370	5.1	ug/Kg
129-00-0	Pyrene	330	J	370	6.6	ug/Kg
85-68-7	Butylbenzylphthalate	42	J	370	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59 UJ	U	370	59	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	370	5.6	ug/Kg
218-01-9	Chrysene	200	J	370	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	130	J	370	8.4	ug/Kg
117-84-0	Di-n-octyl phthalate	8.8	U	370	8.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	310 J	J	370	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	94 J	J	370	13	ug/Kg
50-32-8	Benzo(a)pyrene	170 J	J	370	6.3	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014355.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.9	U	370	8.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11 U J	U	370	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48 J	J	370	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	254.47	85 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	267.07	89 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	142.49	71 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	197.55	99 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	242.23	81 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	251.01	126 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	522338	6.54			
1146-65-2	Naphthalene-d8	1709191	8.90			
15067-26-2	Acenaphthene-d10	950730	12.33			
1517-22-2	Phenanthrene-d10	1444051	15.26			
1719-03-5	Chrysene-d12	1149334	20.53			
1520-96-3	Perylene-d12	684855	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
75650	2-Propanol, 2-methyl-	1000	J	3.83		ug/Kg
17598026	2H-1-Benzopyran, 7-methoxy-2,2	570	J	12.08		ug/Kg
55638432	1H-Indole, 3-methyl-1-(trimethyls	580	J	14.47		ug/Kg
112801	Oleic Acid	600	J	16.46		ug/Kg
57103	Hexadecanoic acid	3000	J	16.56		ug/Kg
629969	1-Eicosanol	730	J	20.38		ug/Kg
593497	Heptacosane	540	J	21.59		ug/Kg
3386332	Octadecane, 1-chloro-	560	J	22.17		ug/Kg
106285	2,6,10-Dodecatrien-1-ol, 3,7,11-t	1500	J	22.33		ug/Kg
56554860	17-Octadecenal	1500	J	22.46		ug/Kg
630068	Hexatriacontane	2800	J	22.80		ug/Kg
29354981	Hexadecanol	920	J	22.89		ug/Kg
77899106	(Z)14-Tricosenyl formate	5000	J	23.91		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014355.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
544854	Dotriacontane	3000	J	24.33		ug/Kg
0	9-Hexacosene	1000	J	24.48		ug/Kg
544763	Hexadecane	470	J	24.81		ug/Kg
4200957	1-Heptadecanamine	560	J	25.02		ug/Kg
56554871	16-Octadecenal	4100	J	25.89		ug/Kg
54832825	Tricyclo[4.3.0.07,9]nonane, 2,2,5,	2200	J	28.76		ug/Kg
2435850	Pyrene, hexadecahydro-	1300	J	29.23		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018706.D	1	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	36	U	370	36	ug/Kg
108-95-2	Phenol	15	U	370	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	18	U	370	18	ug/Kg
95-57-8	2-Chlorophenol	16	U	370	16	ug/Kg
95-48-7	2-Methylphenol	23	U	370	23	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	20	U	370	20	ug/Kg
98-86-2	Acetophenone	19	U	370	19	ug/Kg
106-44-5	3+4-Methylphenols	17	U	370	17	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	16	U	370	16	ug/Kg
67-72-1	Hexachloroethane	18	U	370	18	ug/Kg
98-95-3	Nitrobenzene	19	U	370	19	ug/Kg
78-59-1	Isophorone	14	U	370	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	370	15	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	370	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	370	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	370	13	ug/Kg
91-20-3	Naphthalene	8.0	U	370	8.0	ug/Kg
106-47-8	4-Chloroaniline	140	U	370	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	370	13	ug/Kg
105-60-2	Caprolactam	14	U	370	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	370	11	ug/Kg
91-57-6	2-Methylnaphthalene	6.3	U	370	6.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.2 U J	U	370	9.2	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	370	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	24	U	920	24	ug/Kg
92-52-4	1,1-Biphenyl	11	U	370	11	ug/Kg
91-58-7	2-Chloronaphthalene	7.7	U	370	7.7	ug/Kg
88-74-4	2-Nitroaniline	13	U	920	13	ug/Kg
131-11-3	Dimethylphthalate	8.8	U	370	8.8	ug/Kg
208-96-8	Acenaphthylene	11	U	370	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	370	16	ug/Kg

U = Not Detected
RL = Reporting Limit
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E = Value Exceeds Calibration Range

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-66RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-13RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018706.D	1	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	59	U	920	59	ug/Kg
83-32-9	Acenaphthene	8.1	U	370	8.1	ug/Kg
51-28-5	2,4-Dinitrophenol	16 UJ	U	920	16	ug/Kg
100-02-7	4-Nitrophenol	36 UJ	U	920	36	ug/Kg
132-64-9	Dibenzofuran	12	U	370	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.3	U	370	7.3	ug/Kg
84-66-2	Diethylphthalate	12	U	370	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.1	U	370	9.1	ug/Kg
86-73-7	Fluorene	10	U	370	10	ug/Kg
100-01-6	4-Nitroaniline	29	U	920	29	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21	U	920	21	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.3	U	370	9.3	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.7	U	370	9.7	ug/Kg
118-74-1	Hexachlorobenzene	6.9	U	370	6.9	ug/Kg
1912-24-9	Atrazine	11	U	370	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	920	11	ug/Kg
85-01-8	Phenanthrene	170	J	370	8.2	ug/Kg
120-12-7	Anthracene	8.8	U	370	8.8	ug/Kg
86-74-8	Carbazole	8.1	U	370	8.1	ug/Kg
84-74-2	Di-n-butylphthalate	4.9	U	370	4.9	ug/Kg
206-44-0	Fluoranthene	360	J	370	5.1	ug/Kg
129-00-0	Pyrene	350	J	370	6.6	ug/Kg
85-68-7	Butylbenzylphthalate	46	J	370	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59	U	370	59	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	370	5.6	ug/Kg
218-01-9	Chrysene	210	J	370	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	190	J	370	8.4	ug/Kg
117-84-0	Di-n-octyl phthalate	8.8	U	370	8.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	300 J	J	370	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	130 J	J	370	13	ug/Kg
50-32-8	Benzo(a)pyrene	170 J	J	370	6.3	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	9/16/04
Project:	**Matt Petroleum Terminal**	**Date Received:**	9/18/04
Client Sample ID:	**PSB-66RE**	**SDG No.:**	S4751-01
Lab Sample ID:	**S4751-13RE**	**Matrix:**	SOIL
Analytical Method:	**8270**	**% Moisture:**	11
Sample Wt/Vol:	**15.2 g**	**Extract Vol:**	500 mL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018706.D	1	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.9	U	370	8.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11 U J	U	370	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	73 J	J	370	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	152.24	51 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	206.51	69 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	115.71	58 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	139.56	70 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	212.21	71 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	154.47	77 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	685656	6.53			
1146-65-2	Naphthalene-d8	3332896	8.83			
15067-26-2	Acenaphthene-d10	1737419	12.30			
1517-22-2	Phenanthrene-d10	2813109	15.31			
1719-03-5	Chrysene-d12	1931729	20.71			
1520-96-3	Perylene-d12	904038	24.12			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	EB-1	**SDG No.:**	S4751-04
Lab Sample ID:	S4751-14	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	950.0 mL	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015244.D	1	9/22/04	9/22/04	BE082504

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.870	UJ U	5.3	0.870	ug/L
108-95-2	Phenol	0.220	U	5.3	0.220	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.160	U	5.3	0.160	ug/L
95-57-8	2-Chlorophenol	0.370	U	5.3	0.370	ug/L
95-48-7	2-Methylphenol	0.570	U	5.3	0.570	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.420	U	5.3	0.420	ug/L
98-86-2	Acetophenone	0.280	U	5.3	0.280	ug/L
106-44-5	3+4-Methylphenols	0.550	U	5.3	0.550	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.390	UJ U	5.3	0.390	ug/L
67-72-1	Hexachloroethane	0.460	U	5.3	0.460	ug/L
98-95-3	Nitrobenzene	0.190	U	5.3	0.190	ug/L
78-59-1	Isophorone	0.240	U	5.3	0.240	ug/L
88-75-5	2-Nitrophenol	0.130	U	5.3	0.130	ug/L
105-67-9	2,4-Dimethylphenol	0.230	U	5.3	0.230	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.220	U	5.3	0.220	ug/L
120-83-2	2,4-Dichlorophenol	0.150	U	5.3	0.150	ug/L
91-20-3	Naphthalene	0.140	U	5.3	0.140	ug/L
106-47-8	4-Chloroaniline	2.1	U	5.3	2.1	ug/L
87-68-3	Hexachlorobutadiene	0.190	U	5.3	0.190	ug/L
105-60-2	Caprolactam	0.260	U	5.3	0.260	ug/L
59-50-7	4-Chloro-3-methylphenol	0.150	U	5.3	0.150	ug/L
91-57-6	2-Methylnaphthalene	0.250	U	5.3	0.250	ug/L
77-47-4	Hexachlorocyclopentadiene	0.230	UJ U	5.3	0.230	ug/L
88-06-2	2,4,6-Trichlorophenol	0.140	U	5.3	0.140	ug/L
95-95-4	2,4,5-Trichlorophenol	0.290	U	5.3	0.290	ug/L
92-52-4	1,1-Biphenyl	0.140	U	5.3	0.140	ug/L
91-58-7	2-Chloronaphthalene	0.190	U	5.3	0.190	ug/L
88-74-4	2-Nitroaniline	0.150	U	5.3	0.150	ug/L
131-11-3	Dimethylphthalate	0.130	U	5.3	0.130	ug/L
208-96-8	Acenaphthylene	0.220	U	5.3	0.220	ug/L
606-20-2	2,6-Dinitrotoluene	0.210	U	5.3	0.210	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	EB-1	**SDG No.:**	S4751-04
Lab Sample ID:	S4751-14	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	950.0 mL	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015244.D	1	9/22/04	9/22/04	BE082504

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.530	U	5.3	0.530	ug/L
83-32-9	Acenaphthene	0.120	U	5.3	0.120	ug/L
51-28-5	2,4-Dinitrophenol	0.094	UJ U	5.3	0.094	ug/L
100-02-7	4-Nitrophenol	0.470	U	5.3	0.470	ug/L
132-64-9	Dibenzofuran	0.160	U	5.3	0.160	ug/L
121-14-2	2,4-Dinitrotoluene	0.170	U	5.3	0.170	ug/L
84-66-2	Diethylphthalate	0.170	U	5.3	0.170	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.180	U	5.3	0.180	ug/L
86-73-7	Fluorene	0.087	U	5.3	0.087	ug/L
100-01-6	4-Nitroaniline	0.420	U	5.3	0.420	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.730	U	5.3	0.730	ug/L
86-30-6	N-Nitrosodiphenylamine	0.140	U	5.3	0.140	ug/L
101-55-3	4-Bromophenyl-phenylether	0.086	U	5.3	0.086	ug/L
118-74-1	Hexachlorobenzene	0.120	U	5.3	0.120	ug/L
1912-24-9	Atrazine	0.240	U	5.3	0.240	ug/L
87-86-5	Pentachlorophenol	0.200	U	5.3	0.200	ug/L
85-01-8	Phenanthrene	0.140	UJ U	5.3	0.140	ug/L
120-12-7	Anthracene	0.080	U	5.3	0.080	ug/L
86-74-8	Carbazole	0.160	U	5.3	0.160	ug/L
84-74-2	Di-n-butylphthalate	0.049	U	5.3	0.049	ug/L
206-44-0	Fluoranthene	0.110	U	5.3	0.110	ug/L
129-00-0	Pyrene	0.120	U	5.3	0.120	ug/L
85-68-7	Butylbenzylphthalate	0.150	U	5.3	0.150	ug/L
91-94-1	3,3-Dichlorobenzidine	0.800	U	5.3	0.800	ug/L
56-55-3	Benzo(a)anthracene	0.110	U	5.3	0.110	ug/L
218-01-9	Chrysene	0.190	U	5.3	0.190	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.3	J	5.3	0.170	ug/L
117-84-0	Di-n-octyl phthalate	0.087	U	5.3	0.087	ug/L
205-99-2	Benzo(b)fluoranthene	0.120	U	5.3	0.120	ug/L
207-08-9	Benzo(k)fluoranthene	0.190	U	5.3	0.190	ug/L
50-32-8	Benzo(a)pyrene	0.230	U	5.3	0.230	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	EB-1	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-14	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	950.0 mL	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015244.D	1	9/22/04	9/22/04	BE082504

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.150	U	5.3	0.150	ug/L
53-70-3	Dibenz(a,h)anthracene	0.150	U	5.3	0.150	ug/L
191-24-2	Benzo(g,h,i)perylene	0.210	U	5.3	0.210	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	97.22	32 %	21 - 100		SPK: 50
13127-88-3	Phenol-d5	61.07	20 %	10 - 94		SPK: 50
4165-60-0	Nitrobenzene-d5	117.58	59 %	35 - 114		SPK: 50
321-60-8	2-Fluorobiphenyl	127.73	64 %	43 - 116		SPK: 50
118-79-6	2,4,6-Tribromophenol	181.41	60 %	10 - 123		SPK: 50
1718-51-0	Terphenyl-d14	137.76	69 %	33 - 141		SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	133205	2.95			
1146-65-2	Naphthalene-d8	520995	3.73			
15067-26-2	Acenaphthene-d10	296329	4.81			
1517-22-2	Phenanthrene-d10	486208	5.74			
1719-03-5	Chrysene-d12	447837	7.58			
1520-96-3	Perylene-d12	461028	8.75			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~3.0~~ U	~~AB~~	1.94		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 ml

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014359.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS	Benzaldehyde	350	U	3600	350	ug/kg
108-95-2	Phenol	150	U	3600	150	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	3600	180	ug/Kg
95-57-8	2-Chlorophenol	160	U	3600	160	ug/Kg
95-48-7	2-Methylphenol	230	U	3600	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	3600	200	ug/Kg
98-86-2	Acetophenone	190	U	3600	190	ug/Kg
106-44-5	3+4-Methylphenols	170	U	3600	170	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	3600	160	ug/Kg
67-72-1	Hexachloroethane	170	U	3600	170	ug/Kg
98-95-3	Nitrobenzene	180	U	3600	180	ug/Kg
78-59-1	Isophorone	130	U	3600	130	ug/Kg
88-75-5	2-Nitrophenol	150	U	3600	150	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	3600	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	3600	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	3600	130	ug/Kg
91-20-3	Naphthalene	79	U	3600	79	ug/Kg
106-47-8	4-Chloroaniline	1300	U	3600	1300	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	3600	130	ug/Kg
105-60-2	Caprolactam	130	U	3600	130	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	3600	110	ug/Kg
91-57-6	2-Methylnaphthalene	62	U	3600	62	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	3600	91	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	3600	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	9100	240	ug/Kg
92-52-4	1,1-Biphenyl	110	U	3600	110	ug/Kg
91-58-7	2-Chloronaphthalene	76	U	3600	76	ug/Kg
88-74-4	2-Nitroaniline	130	U	9100	130	ug/Kg
131-11-3	Dimethylphthalate	87	U	3600	87	ug/Kg
208-96-8	Acenaphthylene	110	U	3600	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	3600	150	ug/Kg
99-09-2	3-Nitroaniline	580	U	9100	580	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014359.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
83-32-9	Acenaphthene	80	U	3600	80	ug/Kg
51-28-5	2,4-Dinitrophenol	160 UJ	U	9100	160	ug/Kg
100-02-7	4-Nitrophenol	350	U	9100	350	ug/Kg
132-64-9	Dibenzofuran	120	U	3600	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72	U	3600	72	ug/Kg
84-66-2	Diethylphthalate	110	U	3600	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90	U	3600	90	ug/Kg
86-73-7	Fluorene	100	U	3600	100	ug/Kg
100-01-6	4-Nitroaniline	280	U	9100	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	9100	210	ug/Kg
86-30-6	N-Nitrosodiphenylamine	92	U	3600	92	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95	U	3600	95	ug/Kg
118-74-1	Hexachlorobenzene	68	U	3600	68	ug/Kg
1912-24-9	Atrazine	110	U	3600	110	ug/Kg
87-86-5	Pentachlorophenol	110	U	9100	110	ug/Kg
85-01-8	Phenanthrene	680	J	3600	81	ug/Kg
120-12-7	Anthracene	87	U	3600	87	ug/Kg
86-74-8	Carbazole	80	U	3600	80	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	3600	48	ug/Kg
206-44-0	Fluoranthene	1500	J	3600	50	ug/Kg
129-00-0	Pyrene	2600	J	3600	65	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	3600	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580 UJ	U	3600	550	ug/Kg
56-55-3	Benzo(a)anthracene	990	J	3600	55	ug/Kg
218-01-9	Chrysene	1400	J	3600	110	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	83	U	3600	83	ug/Kg
117-84-0	Di-n-octyl phthalate	87	U	3600	87	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900 J	J	3600	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	900 J	J	3600	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000 J	J	3600	62	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88	U	3600	88	ug/Kg

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MDL = Method Detection Limit
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014359.D	5	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
53-70-3	Dibenz(a,h)anthracene	110 UJ	U	3600	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160 UJ	U	3600	160	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	234.2	78 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	250.7	84 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	146.1	73 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	186.93	93 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	223.6	75 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	212.6	106 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	542428	6.53			
1146-65-2	Naphthalene-d8	1775307	8.90			
15067-26-2	Acenaphthene-d10	883142	12.33			
1517-22-2	Phenanthrene-d10	1292988	15.26			
1719-03-5	Chrysene-d12	1125436	20.53			
1520-96-3	Perylene-d12	631850	23.32			
TENTATIVE IDENTIFIED COMPOUNDS						
	ACP	~~1077~~ U	~~AB~~	3.82		ug/Kg
17301234	Undecane, 2,6-dimethyl-	730	J	9.82		ug/Kg
9012	Naphthalene, 1-methyl-	748	J	10.29		ug/Kg
55103689	2(1H)-Benzocyclooctenone, decah	785	J	10.93		ug/Kg
173023280	Nonane, 3,7-dimethyl-	876	J	10.99		ug/Kg
0	Decahydro-4,4,8,9,10-pentamethyl	2135	J	11.70		ug/Kg
18344371	Heptadecane, 2,6,10,14-tetramethy	1113	J	11.90		ug/Kg
0	Unknown	1588	J	12.10		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	931	J	12.83		ug/Kg
2245387	Naphthalene, 1,6,7-trimethyl	1314	J	13.19		ug/Kg
156089	Heptadecane, 2-methyl	1387	J	13.74		ug/Kg
1921706	Pentadecane, 2,6,10,14-tetramethl-	2300	J	14.27		ug/Kg
55045108	Tridecane, 6-propyl	276	J	15.19		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018711.D	5	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	350	U	3600	350	ug/Kg
108-95-2	Phenol	150	U	3600	150	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	3600	180	ug/Kg
95-57-8	2-Chlorophenol	160	U	3600	160	ug/Kg
95-48-7	2-Methylphenol	230	U	3600	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	3600	200	ug/Kg
98-86-2	Acetophenone	190	U	3600	190	ug/Kg
106-44-5	3+4-Methylphenols	170	U	3600	170	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	3600	160	ug/Kg
67-72-1	Hexachloroethane	170	U	3600	170	ug/Kg
98-95-3	Nitrobenzene	180	U	3600	180	ug/Kg
78-59-1	Isophorone	130	U	3600	130	ug/Kg
88-75-5	2-Nitrophenol	150	U	3600	150	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	3600	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	3600	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	3600	130	ug/Kg
91-20-3	Naphthalene	79	U	3600	79	ug/Kg
106-47-8	4-Chloroaniline	1300	U	3600	1300	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	3600	130	ug/Kg
105-60-2	Caprolactam	130	U	3600	130	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	3600	110	ug/Kg
91-57-6	2-Methylnaphthalene	62	U	3600	62	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91 U J	U	3600	91	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	3600	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	9100	240	ug/Kg
92-52-4	1,1-Biphenyl	110	U	3600	110	ug/Kg
91-58-7	2-Chloronaphthalene	76	U	3600	76	ug/Kg
88-74-4	2-Nitroaniline	130	U	9100	130	ug/Kg
131-11-3	Dimethylphthalate	87	U	3600	87	ug/Kg
208-96-8	Acenaphthylene	110	U	3600	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	3600	150	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018711.D	5	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	580	U	9100	580	ug/Kg
83-32-9	Acenaphthene	80	U	3600	80	ug/Kg
51-28-5	2,4-Dinitrophenol	160 UJ	U	9100	160	ug/Kg
100-02-7	4-Nitrophenol	350 UJ	U	9100	350	ug/Kg
132-64-9	Dibenzofuran	120	U	3600	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72	U	3600	72	ug/Kg
84-66-2	Diethylphthalate	110	U	3600	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90	U	3600	90	ug/Kg
86-73-7	Fluorene	100	U	3600	100	ug/Kg
100-01-6	4-Nitroaniline	280	U	9100	280	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	9100	210	ug/Kg
86-30-6	N-Nitrosodiphenylamine	92	U	3600	92	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95	U	3600	95	ug/Kg
118-74-1	Hexachlorobenzene	68	U	3600	68	ug/Kg
1912-24-9	Atrazine	110	U	3600	110	ug/Kg
87-86-5	Pentachlorophenol	110	U	9100	110	ug/Kg
85-01-8	Phenanthrene	980	J	3600	81	ug/Kg
120-12-7	Anthracene	370	J	3600	87	ug/Kg
86-74-8	Carbazole	80	U	3600	80	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	3600	48	ug/Kg
206-44-0	Fluoranthene	1900	J	3600	50	ug/Kg
129-00-0	Pyrene	3100	J	3600	65	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	3600	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580	U	3600	580	ug/Kg
56-55-3	Benzo(a)anthracene	1300	J	3600	55	ug/Kg
218-01-9	Chrysene	1200	J	3600	110	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	440	J	3600	83	ug/Kg
117-84-0	Di-n-octyl phthalate	87	U	3600	87	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200 J	J	3600	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	900 J	J	3600	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200 J	J	3600	62	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSS-2RE	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-15RE	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	10
Sample Wt/Vol:	15.2 g	**Extract Vol:**	5000 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018711.D	5	9/22/04	9/26/04	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	88	U	3600	88	ug/Kg
53-70-3	Dibenz(a,h)anthracene	110 UJ	U	3600	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540 J	J	3600	160	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	262.9	88 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	385.4	128 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	175.6	88 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	211.1	106 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	254.6	85 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	268.8	134 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	751632	6.52			
1146-65-2	Naphthalene-d8	3421639	8.82			
15067-26-2	Acenaphthene-d10	1722264	12.32			
1517-22-2	Phenanthrene-d10	2776183	15.33			
1719-03-5	Chrysene-d12	1573225	20.72			
1520-96-3	Perylene-d12	555999	24.10			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-67	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-16	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 ul

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014346.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	37	U	380	37	ug/Kg
108-95-2	Phenol	16	U	380	16	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19	U	380	19	ug/Kg
95-57-8	2-Chlorophenol	16	U	380	16	ug/Kg
95-48-7	2-Methylphenol	24	U	380	24	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	21	U	380	21	ug/Kg
98-86-2	Acetophenone	20	U	380	20	ug/Kg
106-44-5	3+4-Methylphenols	18	U	380	18	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	17	U	380	17	ug/Kg
67-72-1	Hexachloroethane	18	U	380	18	ug/Kg
98-95-3	Nitrobenzene	19	U	380	19	ug/Kg
78-59-1	Isophorone	14	U	380	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	380	15	ug/Kg
105-67-9	2,4-Dimethylphenol	21	U	380	21	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	380	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	380	13	ug/Kg
91-20-3	Naphthalene	8.3	U	380	8.3	ug/Kg
106-47-8	4-Chloroaniline	140	U	380	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	380	13	ug/Kg
105-60-2	Caprolactam	14	U	380	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	380	11	ug/Kg
91-57-6	2-Methylnaphthalene	6.6	U	380	6.6	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.6	U	380	9.6	ug/Kg
88-06-2	2,4,6-Trichlorophenol	14	U	380	14	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25	U	960	25	ug/Kg
92-52-4	1,1-Biphenyl	11	U	380	11	ug/Kg
91-58-7	2-Chloronaphthalene	7.9	U	380	7.9	ug/Kg
88-74-4	2-Nitroaniline	14	U	960	14	ug/Kg
131-11-3	Dimethylphthalate	9.1	U	380	9.1	ug/Kg
208-96-8	Acenaphthylene	48	J	380	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	380	16	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-67	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-16	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014346.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	62	U	960	62	ug/Kg
83-32-9	Acenaphthene	8.4	U	380	8.4	ug/Kg
51-28-5	2,4-Dinitrophenol	17 UJ	U	960	17	ug/Kg
100-02-7	4-Nitrophenol	37	U	960	37	ug/Kg
132-64-9	Dibenzofuran	13	U	380	13	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.6	U	380	7.6	ug/Kg
84-66-2	Diethylphthalate	12	U	380	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.4	U	380	9.4	ug/Kg
86-73-7	Fluorene	11	U	380	11	ug/Kg
100-01-6	4-Nitroaniline	30	U	960	30	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	960	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.7	U	380	9.7	ug/Kg
101-55-3	4-Bromophenyl-phenylether	10	U	380	10	ug/Kg
118-74-1	Hexachlorobenzene	7.1	U	380	7.1	ug/Kg
1912-24-9	Atrazine	12	U	380	12	ug/Kg
87-86-5	Pentachlorophenol	12	U	960	12	ug/Kg
85-01-8	Phenanthrene	200	J	380	8.5	ug/Kg
120-12-7	Anthracene	9.1	U	380	9.1	ug/Kg
86-74-8	Carbazole	8.4	U	380	8.4	ug/Kg
84-74-2	Di-n-butylphthalate	5.1	U	380	5.1	ug/Kg
206-44-0	Fluoranthene	400		380	5.3	ug/Kg
129-00-0	Pyrene	480		380	6.8	ug/Kg
85-68-7	Butylbenzylphthalate	13	U	380	13	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61 UJ	U	380	61	ug/Kg
56-55-3	Benzo(a)anthracene	250	J	380	5.3	ug/Kg
218-01-9	Chrysene	330	J	380	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	100	J	380	8.8	ug/Kg
117-84-0	Di-n-octyl phthalate	9.1	U	380	9.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	340	J	380	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	380	13	ug/Kg
50-32-8	Benzo(a)pyrene	270	J	380	6.6	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-67	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-16	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014346.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	380	9.2	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	380	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	J	380	17	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	243.73	81 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	261.87	87 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	145.08	73 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	194.31	97 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	211.83	71 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	217.98	109 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	419406	6.53			
1146-65-2	Naphthalene-d8	1368197	8.89			
15067-26-2	Acenaphthene-d10	758787	12.32			
1517-22-2	Phenanthrene-d10	1040974	15.26			
1719-03-5	Chrysene-d12	1038371	20.52			
1520-96-3	Perylene-d12	1168470	23.32			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1000~~	U ~~AB~~	3.83		ug/Kg
629787	Heptadecane	320	J	14.24		ug/Kg
593453	Octadecane	210	J	15.12		ug/Kg
629629	Pentadecane	270	J	15.98		ug/Kg
57103	Hexadecanoic acid	520	J	16.52		ug/Kg
112958	Eicosane	250	J	16.79		ug/Kg
54833486	Heptadecane, 2,6,10,15-tetramethy	270	J	17.56		ug/Kg
1599673	1-Docosene	370	J	20.35		ug/Kg
7683649	Squalene	720	J	22.33		ug/Kg
7225663	Tridecane, 7-hexyl-	410	J	22.79		ug/Kg
192972	Benzo[e]pyrene	260	J	23.08		ug/Kg
629801	Hexadecanal	570	J	23.90		ug/Kg
	Unknown	720	J	24.32		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/16/04
Project:	Matt Petroleum Terminal	**Date Received:**	9/18/04
Client Sample ID:	PSB-67	**SDG No.:**	S4751-01
Lab Sample ID:	S4751-16	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA014346.D	1	9/22/04	9/25/04	BA082404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
57885	Cholesterol	300	J	24.99		ug/Kg
638664	Octadecanal	730	J	25.88		ug/Kg
3386332	Octadecane, 1-chloro-	330	J	26.42		ug/Kg
83476	.gamma.-Sitosterol	370	J	27.23		ug/Kg
	Unknown	240	J	27.35		ug/Kg
5353253	Ethanol, 2-(9-octadecenyloxy)-, (Z	380	J	28.71		ug/Kg
0	Pyrrolo[2,3-b]indole, 1,2,3,3a,8,8a	540	J	29.22		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Premier Environmental Services

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project No.: 2003118		Client: *City of Utica*		# of	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
P SS-1	9/16/04	1313	AOC 1 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-3	9/16/04	1323	AOC 4 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-4	9/16/04	1335	AOC 4 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-5	9/16/04	1347	AOC 2 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-6	9/16/04	1358	AOC 2 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-7	9/16/04	1414	AOC 3 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-8	9/16/04	1437	AOC 3 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-9	9/16/04	1411	CLEAN AREA SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-10	9/16/04	1444	CLEAN AREA SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs

Relinquished by Signature: Scott A. Eello Print: Scott A. Eello	Date/Time: 9/17/04	Received by Signature: Print:	Date/Time: 10:30 09/18/04	Relinquished by Signature Print	Date/Time:
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:

Remarks:

preserved on ice to 4 degree C

PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

534

CHAIN OF CUSTODY RECORD

SLAT1

Page 1 of 1

Project No.: 2003118		Client: *City of Utica*		# of	Site: *Matt's Petro, Utica, New York*			Sampler's Signature:
Sample No.	**Date**	**Time**	**Origin/Source**	**Containers**	**Comp.**	**Grab**	**Other**	**Analyses/Tests Requested**
P SS-11	9/16/04	1522	RIVERBANK SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SS-12	9/16/04	1438	RIVERBANK SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SB-65	9/16/04	1541	RIVERBANK SHALLOW SOIL BORING	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SB-66	9/16/04	1505	RIVERBANK SHALLOW SOIL BORING	4		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
EB-1	9/16/04	1632	EQUIPMENT BLANK	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
TB	9/7/04	-------	TRIP BLANK	2		X		----------

Relinquished by	Date/Time:	Received by	Date/Time:	Relinquished by	Date/Time:
Signature:	9/17/04	Signature:	10:30	Signature	
Print: Scott A. Zollo		Print:		Print	
Received by:	**Date/Time:**	**Relinquished by**	**Date/Time:**	**Received by**	**Date/Time:**
Signature:		Signature		Signature	
Print:		Print:		Print	

Remarks:

preserved on ice to 4 degree C

use sample P SB-66 for MS/MSD sample

PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project No.: 2003118	Client: *City of Utica*			# of	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
P SS-2	9/16/04	1300	AOC 1 SURFACE SOIL SAMPLE	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
P SB-67	9/16/04	1451	RIVERBANK SHALLOW SOIL BORING	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs

Relinquished by Signature: Print: Scott A. Zollo	Date/Time: 9/17/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by Signature Print	Date/Time:	

Remarks:

preserved on ice to 4 degree C

Category B deliveables for these samples

PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

Premier Environmental Services

APPENDIX D

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

Premier Environmental Services

June 16, 2005

Kurt Hummler
Chemtech Consulting Group
284 Sheffield Street
Mountainside, NJ 07092

Dear Mr. Hummler,

Premier Environmental Services is performing the data review for Plumley Engineering for samples collected at the Matt Petroleum Terminal Site. The samples were collected in September,2004. Below are questions associated with the cited data set. I have organized the questions for ease of review by either the project manager or QA Officer.

Project S4751 – Semivolatile Organic Analyses

The spike concentration of the MS samples analysis (S4651-15) is incorrect. This sample data is reported on page 13/14 of the data report. Please review your records correct the MS summary report if necessary.

Thank you in advance for your prompt response to these data issues. If there are any additional questions associated with this data set, please do not hesitate to contact me at 516-223-9761.

Sincerely,

Renee Cohen

Cc: Scott Zollo – Plumley Engineering

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(516) 223-9761 • FAX (516) 223-0983

CHEMTECH

June 24, 2005

Rene Cohen
Premier Environmental Services, INC.
2815 Covered Bridge Road
Merrick, NY 11566

Re: Matt Petroleum Terminal Site
Chemtech Project: S4751

Enclosed please find the corrected MS summary for the SVOC analysis per your request. The spiked amount was entered incorrect. The pages were numbered to be replaced in the data you received previously.

We apologize for the inconvenience. Please do not hesitate to contact ~~Tim~~ Kurt if you require any further information at 908-789-8900.

Sincerely,

Mildred V. Reyes

Mildred V. Reyes
QA Officer

Chemtech Consulting Group

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

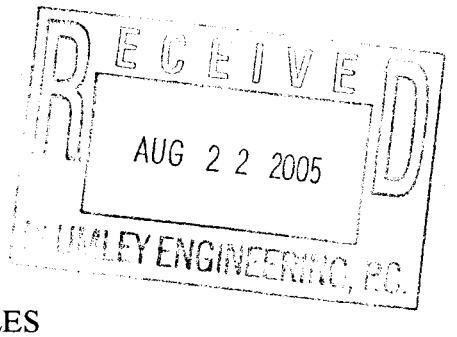
SDG No.: S4751

Client: Plumley Engineering, P.C.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: S4751-15MS	Client Sample ID:	PSS-2MS								
N-Nitrosodiphenylamine	1900	0	3000	158	*			20	150	
4-Bromophenyl-phenylether	1900	0	1600	84				53	113	
Hexachlorobenzene	1900	0	1500	79				48	118	
Atrazine	1900	0	2100	111				37	122	
Pentachlorophenol	3700	0	2600	70				20	150	
Phenanthrene	1900	980	2500	80				20	150	
Anthracene	1900	370	2000	86				54	108	
Carbazole	1900	0	1600	84				54	117	
Di-n-butylphthalate	1900	0	1600	84				52	112	
Fluoranthene	1900	1900	3300	74				55	105	
Pyrene	1900	3100	4500	74				20	150	
Butylbenzylphthalate	1900	0	2100	111				55	120	
Benzo(a)anthracene	1900	1300	2800	79				60	100	
3,3-Dichlorobenzidine	1900	0	1200	63				31	111	
Chrysene	1900	1200	2600	74				51	115	
bis(2-Ethylhexyl)phthalate	1900	440	2700	119				54	124	
Di-n-octyl phthalate	1900	0	1700	89				53	122	
Indeno(1,2,3-cd)pyrene	1900	0	500	26	*			42	124	
Benzo(b)fluoranthene	1900	2200	3000	42				42	126	
Benzo(k)fluoranthene	1900	900	3300	126	*			43	125	
Benzo(a)pyrene	1900	1200	2400	63				58	102	
Dibenz(a,h)anthracene	1900	0	910	48				41	130	
Benzo(g,h,i)perylene	1900	540	1200	35	*			39	130	

Premier Environmental Services



DATA VALIDATION REPORT OF THE MATT PETROLEUM SITE CITY OF UTICA

ORGANIC ANALYSESOF
AQUEOUS AND NON-AQUEOUS SAMPLES

CHEMTECH CONSULTING GROUP
MOUNTAINSIDE, NEW JERSEY

CATEGORY "B" REPORT NUMBER:
S4962

August, 2005

Prepared for
Plumley Engineering, P.C.
Baldwinsville, New York

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

DATA VALIDATION FOR:	**Volatile Organic Compounds (VOC's) Semivolatile Organic Compounds (SVOA's),**
SITE:	**Matt Petroleum Terminal**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
PROJECT NO.:	**S4962**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2005**
MATRIX:	**Aqueous, Non-Aqueous**

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6- CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). 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.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents are located in Appendix C of this report.

This data assessment is for ten (10) non-aqueous and one (1) Equipment Blank sample listed on the COC documents. The samples in this data set were collected September 27, 2004 and shipped to Chemtech Consulting located in Mountainside, New Jersey. Samples were received at the laboratory on September 30, 2004 for the analyses requested on the COC documentation. All of the samples were analyzed for Volatile Organic Analytes (VOA), and Semivolatile Organic Analytes (SVOA).

ORGANIC DATA ASSESSMENT

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA), Semivolatile Organic Analytes as noted by the COC documentation that accompanied the sample set. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDEC ASP methodologies. Data validation will utilize the validation guidelines listed above, however, QA/QC requirements of the NYS DEC ASP (12/95) will supersede CLP requirements in terms of calibration (where applicable) and holding time. Chemtech Consulting Group generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

This laboratory report consisted of ten (10) soil samples and one (1) Equipment Blank sample that were analyzed for Volatile Organic analytes and Semivolatile Organic analytes.

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. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed.

Proper preservation of a soil sample is refrigeration at 4 degrees C until analysis. The holding time criteria for volatile organic samples is that properly soil samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for semivolatile organic samples is that the extraction is to be completed within five (5) days of VTSR and that analysis of the extract is be completed within forty (40) days. This holding time is also applicable to soil samples analyzed for Pesticides, PCB's and Herbicides.

Volatile Organic Analyses (EPA Method 8260B) - The samples associated with this data set were collected September 27, 2004. They were received at the laboratory on September 30, 2004. All sample analyses associated with this data set were completed by October 10, 2004. All sample analyses were completed within the NYS ASP DEC method holding time.

Semivolatile Organic Analyses (EPA Method 8270C) - The samples associated with this data set were collected on September 27, 2004 and received at the laboratory on September 30, 2004. The soil samples in this data set were extracted on October 1, 2004. The Equipment Blank sample was extracted in one batch on October 1, 2004. All sample analyses were completed by October 13, 2004. All samples associated with this data set were prepared and analyzed within the NYS DEC ASP holding times.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with four (4) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Dibromofluoromethane, Toluene d8 and 4-Bromofluorobenzene prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique. The samples to be analyzed for Semivolatile Organic Analytes (SVOA) are fortified with the surrogate compounds 2- Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol, Nitrobenzene-d5, 2-Fluorobiphenyl and Terphenyl-d14 prior to sample extraction to evaluate the overall laboratory performance and the efficiency of the analytical technique. The laboratory reported in-house surrogate recovery QC limits for the Volatile Organic Analyses. The laboratory utilized in-house QC limits for the Semivolatile Organic analyses. All sample surrogate recoveries were summarized as required by the deliverable.

Volatile Organic Analyses (EPA Method 8260B) – The laboratory reported QC limits of 75%-125% for each of the surrogate compounds. The surrogate recoveries met QC criteria in all method blank samples associated with this data set. The surrogate recoveries associated with the field samples in this data set met QC criteria in each of the samples with the exception of the following:

Sample ID	Surrogate Compound	% Recovery
PSB-62	4-Bromofluorobenzene	50%
PSB-62 RE	4-Bromofluorobenzene	70%
PSB-64	4-Bromofluorobenzene	172%
PSB-72	Toluene-d8	133%
PSB-72 MS	Toluene-d8	137%
PSB-72 MSD	Toluene-d8	149%
PSB-74	Dibromofluoromethane	>200%
	Toluene-d8	>200%
	4-Bromofluorobenzene	>200%

The samples in which surrogate recoveries were less than the QC limits have had the target analytes qualified "UJ/J" estimated on the data result pages.

The samples in which surrogate recoveries were greater than listed QC limits have had the positively detected target analytes qualified "J" estimated on the data result pages.

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

3. SURROGATES (cont'd):

Semivolatile Organic Analyses (EPA Method 8270C) - The laboratory reported in-house QC limits for each of the surrogate compounds. The surrogate recoveries associated with the soil samples in this data set were acceptable and met QC criteria in all reported field sample and QC sample analyses with the exception of the following:

Sample ID	Surrogates	% Recovery
PSB-64	2-Fluorophenol	9%
	Phenol-d5	3%
PSB-75	Nitrobenzene-d5	195%
PSB-72	Nitrobenzene-d5	127%
PSB-72 MS	Nitrobenzene-d5	135%
PSB-72 MSD	Nitrobenzene-d5	121%

The method allows for one surrogate to exceed QC criteria per fraction, therefore all sample met this QC criteria with the exception of sample PSB-64. The laboratory did not re-extract and analyze this sample to confirm matrix interference, therefore all target analytes have been qualified "J/UJ" estimated.

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

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 and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Volatile Organic Analyses (EPA Method 8260B) - The laboratory performed MS/MSD sample analysis on sample PSB-72. The percent recovery of the CLP spiked compounds met QC criteria with the exception of 1,1-Dichloroethene and Benzene in both the MS and MSD sample. The percent recovery of Toluene exceeded QC criteria in the MS sample. All RPD's met QC criteria in this MS/MSD sample analysis. No action was taken based on MS/MSD alone.

The laboratory prepared and analyzed a blank matrix spike sample with this data set. The recovery of all spiked analytes met QC criteria in the blank spike sample analysis.

Semivolatile Organic Analyses (EPA Method 8270C) – Sample PSB-72 was utilized for the MS/MSD sample in this data set. The sample was analyzed for the Target Compound List (TCL) list of Semivolatile Organic compounds. The laboratory extracted, analyzed and reported a full component MS/MSD sample spike on the sample. A number of the target analytes exceeded the percent recovery criteria in both the MS and MSD sample analysis. All RPD's with the exception of 4-Chloro-3-methylphenol, 2,4-Dinitrophenol, Pyrene, Butylbenzylphthalate and Benzo(g,h,i)perylene. Data was not qualified based on the results of the site-specific MS/MSD analysis.

Chemtech Consulting prepared and analyzed one (1) aqueous and one (1) non-aqueous blank matrix spike samples with this data set. This Blank Spike sample was analyzed on each GC/MS the samples were analyzed. The recovery of the spiked analytes met QC criteria for all target analytes with the exception of Phenol and 2,2-oxybis (1-chloropropane) in the aqueous blank spike sample. Each of these recoveries was above QC limits. No action was taken based on the recoveries in the aqueous Blank Spike sample.

ORGANIC DATA ASSESSMENT

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which 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 and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses (EPA Method 8260B) – One (1) low level soil, two (2) medium level soil and one (1) aqueous method blank sample is associated with the samples reported in Laboratory Report S4962. Each of the method blanks were free from contamination of both target and non-target analytes.

Semivolatile Organic Analyses (EPA Method 8270C) – One (1) aqueous method blank sample is associated with the Equipment Blank sample in this data set. Bis(2-ethylhexyl)phthalate was detected in this method blank at a concentration of 1.1 J ug/l. Three (3) TIC analytes were also reported in this method blank sample. When detected in the Equipment Blank sample, these have been negated and qualified "U".

One (1) soil method blank sample is associated with this data set. Target analytes were not detected in this method blank sample. One (1) Aldol Condensation Product (ACP) at retention time 1.80 was detected in the method blank sample. When detected this ACP has been qualified/negated "U" as required by the validation guidelines.

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

B) Field or Equipment Rinse Blank (ERB) contamination

Volatile Organic Analytes – One (1) Equipment Blank (EB-1) samples is associated with this data set. It was free from contamination of all target analytes with the exception of Methylene Chloride (9.4 ug/l) and Toluene (2.6 J ug/L). These target analytes when detected in the associated samples in this data set have been negated and qualified "U".

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

Semivolatile Organic Analytes – One (1) Equipment Blank (EB-1) samples is associated with this data set. It was free from contamination of all target analytes with the exception of bis(2-ethylhexyl)phthalate (2.0 ug/l). One (1) ACP was also detected in the Equipment Blank sample. These analytes were also detected in the associated method blank sample. These target analytes have been negated in the Equipment Blank sample. Bis (2-ethylhexyl)phthalate was detected in a number of the soil samples in this data set. This target analyte has been negated and qualified "U" in each of the samples.

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

C) Trip Blank contamination

A Trip Blank sample is not associated with this data set

ORGANIC DATA ASSESSMENT

6. 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. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, 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. Region II 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). Region II 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 QC 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 Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Three (3) initial calibration curves are associated with the samples reported in Laboratory Report S4962. The laboratory performed two (2) initial aqueous multilevel calibrations on September 10, 2004 (Inst. D) and September 17, 2004 (Inst. H). One (1) soil initial calibration curve analysis was performed on October 4, 2004 (Inst. K). The Equipment Blank sample associated with this data set is associated with the calibration curve analysis performed September 10, 2004 (Inst. D). All Relative Response Factors (RRF) associated with this curve analysis met QC criteria. All low-level soil sample analyses are associated with the calibration curve analysis performed October 4, 2004 (Inst. K). All Relative Response Factors (RRF) associated with this curve analysis met QC criteria. All sample dilution analyses and re-analyses are associated with the calibration curve analyzed on September 17, 2004 (Inst. H). All Relative Response Factors (RRF) associated with this curve analysis met QC criteria.

One (1) continuing calibration standard analysis is associated with the aqueous sample in this data set. The RRF of all target compounds met QC criteria in this continuing calibration standard analysis met QC criteria on Instrument D.

Two (2) continuing calibration standard analyses are associated with the soil samples in this data set. The RRF of all target compounds met QC criteria in each of the continuing calibration standard analyses met QC criteria on Instrument H.

One (1) continuing calibration standard is associated with the low-level soil samples in this data set. The RRF of all target compounds met QC criteria in this continuing calibration standard analyzed on Instrument K.

6. GC/MS CALIBRATION (cont'd):

A) RESPONSE FACTOR

Semivolatile Organic Analyses (EPA Method 8270C) – Two (2) initial calibration curve analyses are associated with Laboratory Report S4962. An initial calibration curve was analyzed on September 24, 2004 (Inst. B). The RRF of all target analytes met QC criteria in this initial calibration curve analyses. One initial calibration curve analysis was performed on September 27, 2004 (Inst. E). The RRF of all target analytes met QC criteria in this initial calibration curve analyses.

Seven (7) continuing calibration standard analyses are associated with these initial calibration curves. The RRF of all target compounds in each of the continuing calibration standard analyses met QC criteria.

ORGANIC DATA ASSESSMENT

6. 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", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines and the USEPA Region II criteria.

Volatile Organic Analyses (EPA Method 8260B) – Three (3) initial calibration curve analyses are associated with the samples reported in Laboratory Report S4962. %RSD criteria in the aqueous initial calibration curve analyzed September 10, 2004 (Inst. D) met QC criteria for all target analytes with the exception of Bromethane (72.1%) and Chloroethane (42.5%). %RSD criteria in the low-level soil sample initial calibration curve analyzed October 4, 2004 (Inst. K) met QC criteria for all target analytes with the exception of Methylene Chloride (66.8%). %RSD criteria in the medium level soil sample initial calibration curve analyzed September 17, 2004 (Inst. H) met QC criteria for all target analytes with the exception of Methylcyclohexane (40.0%), 2-Hexanone (44.7%) and Bromoform (30.9%).

These target analytes have been qualified UJ/J estimated in each of the effected samples in this data set. Qualified data result pages are located in Appendix B of this report.

One (1) continuing calibration standard analysis is associated with the aqueous sample in this data set. All %Difference QC criteria were met in this CCV analysis.

One (1) continuing calibration standard analysis is associated with the low-level soil samples in this data set. All %Difference QC criteria were met in this CCV analysis with the exception of that listed below. Two (2) continuing calibration standard analyses are associated with the medium level soil samples in this data set. The % Difference of all compounds met QC criteria in the continuing calibration standard analyses with the exception of that listed below.

File ID	Date of Analysis	Analyte	%Difference
VH100602	10/6/04	1,1,2-Trichlorotrifluoromethane	37.1
		Bromoform	28.6
VH100632	10/7/04	Trichlorofluoromethane	30.2
		1,1,2-Trichlorotrifluoromethane	33.0
		Acetone	28.8
		Carbon Disulfide	42.2
VK100932	10/9/04	Chloroethane	26.1
		Methylene Chloride	57.2
		trans-1,3-Dichloropropene	26.3

These target analytes have been qualified "UJ/J" estimated in the soil samples associated with this data set.

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

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION (cont'd):

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

Semivolatile Organic Analyses (EPA Method 8270C)– Two (2) initial calibration curve analyses are associated with Laboratory Report S4962. An initial calibration curve was analyzed on September 24, 2004 (Inst. B). The Relative Standard Deviation (%RSD) of each target analyte met QC criteria in this initial calibration curve with the exception of the following:

Date of Curve	Instrument ID	Analyte	%RSD
9/24/04	B	Hexachlorocylopentadiene	57.6
		2,4-Dinitrophenol	44.9
		4-Nitrophenol	84.4

An additional calibration curve analysis was analyzed on September 27, 2004 (Inst. E). The Relative Standard Deviation (%RSD) of each target analyte met QC criteria in this initial calibration curve with the exception of the following:

Date of Curve	Instrument ID	Analyte	%RSD
9/27/04	E	Hexachlorocylopentadiene	42.9

These target analytes have been qualified "UJ/J" estimated in each of the samples associated with the calibration curve analysis.

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

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION (cont'd):

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

Seven (7) continuing calibration standard analyses are associated with these initial calibration curve analyses. The %Difference of all target compounds in each of the continuing calibration standard analyses met QC criteria in each of the continuing calibration standard analyses with the exception of the following:

File ID	Date of Analysis	Analyte	%Difference
BB018829	10/1/04	Hexachlorocyclopentadiene	38.9
BB018845	10/2/04	2,2-oxybis(1-chloropropane)	27.2
		Hexachlorocyclopentadiene	37.0
		2,4-Dinitrophenol	33.9
		4-Nitrophenol	152.4*
BB019026	10/10/04	Benzaldehyde	34.4
		Bis(2-Chloroethyl)ether	31.8
		3+4 Methylphenols	29.1
		Hexachloroethane	29.9
		2,4,5-Trichlorophenol	29.8
		1,1'-Biphenyl	31.0
		Acenaphthylene	31.0
		2,6-Dinitrotoluene	30.2
		2,4-Dinitrophenol	61.9
		4-Chlorophenyl-phenylether	33.5
		Fluorene	32.2
		Bis(2-ethylhexyl)phthalate	27.7
		Indeno(1,2,3-cd)pyrene	25.3

These target analytes with the exception of 4-Nitrophenol have been qualified "UJ/J" estimated in each of the associated samples in this data set. Due to the high %Difference of 4-Nitrophenol, this analyte has been qualified "R" unusable in non-detected samples and "J" when detected.

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

ORGANIC DATA ASSESSMENT

6. GC/MS CALIBRATION (cont'd):

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

File ID	Date of Analysis	Analyte	%Difference
BE015667	10/4/04	Bis(2-Chloroethyl)ether	29.1
		Hexachlorocyclopentadiene	48.2
		4-Nitrophenol	67.5
BE015696	10/4/04	Benzaldehyde	33.5
		Bis(2-Chloroethyl)ether	28.2
		Hexachlorocyclopentadiene	55.3
		2-Nitroaniline	86.2
		4-Nitrophenol	26.9
		Benzo(b)fluoranthene	97.6
		Benzo(k)fluoranthene	101.4*
BE015777	10/6/04	Benzaldehyde	38.2
		2-Methylnaphthalene	49.3
		Hexachlorocyclopentadiene	64.7
		Benzo(b)fluoranthene	28.1
BE016033	10/13/04	Benzaldehyde	43.4
		Bis(2-Chloroethyl)ether	29.2
		2,2-oxybis(1-chloropropane)	26.8
		Hexachlorocyclopentadiene	107.1*
		4-Nitrophenol	29.4

These target analytes with the exception of Benzo(k)fluoranthene have been qualified "UJ/J" estimated in each of the associated samples in this data set. Benzo(k)fluoranthene has been qualified "R" unusable in non-detected samples and "J" when detected due to the high %Difference. The standard analyzed on October 13, 2004 is associated with the analysis of sample PSB-73. Hexachlorocyclopentadiene has been qualified "R" unusable in non-detected samples and "J" when detected due to the high %Difference.

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

ORGANIC DATA ASSESSMENT

7. 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 area count evaluation criteria is applied to all field and QC samples.

Volatile Organic Analyses (EPA Method 8260B) - All samples were spiked with the internal standards Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 prior to analysis. The area counts and retention time of each internal standard met QC criteria in all field samples and QC samples with the exception that listed below:

Sample ID	Internal Standard	Sample ID	Internal Standars
PSB-74	1,4-Difluorobenzene	PSB-62	Chlorobenzene-d5
	Chlorobenzene-d5		1,4-Dichlorobenzene-d4
	1,4-Dichlorobenzene-d4	PSB-62 RE	1,4-Dichlorobenzene-d4
PSB-64	Chlorobenzene-d5	PSB-72MS	1,4-Dichlorobenzene-d4
	1,4-Dichlorobenzne-d4	PSB-72MSD	1,4-Dichlorobenzene-d4
PSB-75	1,4-Dichlorobenzene-d4		
PSB-72	1,4-Dichlorobenzene-d4		

All Internal Standard QC criteria were met in each of the other sample analyses, reanalyses and dilution analyses. Effected target analytes have been qualified "UJ/J" estimated in the associated soil samples.

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

7. GC/MS INTERNAL STANDARDS PERFORMANCE (cont'd):

Semivolatile Organic Analyses (EPA Method 8270C) - All of the samples in this data ser were spiked with the internal standards 1,4-Diclorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 prior to sample analysis. The area counts and retention time shift of each internal standard in all samples associated with the data set were reported. All Internal Standard criteria met QC criteria with the exception of the following:

Sample ID	Internal Standard	Sample ID	Internal Standard
PSB-64 (10/4/04)	Acenaphthene-d10	PSB-75	Naphthalene-d8
	Phenanthrene-d10		Acenaphthene-d10
	Chrysene-d12		
	Perylene-d12		
PSB-72 MS/MSD	Napthalene-d8		
	Aenaphthene-d10		
	Phenanthrene-d10		
	Chrysene-d12		
	Perylene-d12		

Sample PSB-64 was initially analyzed on October 4, 2004. This sample data was not reported with the data set. The results from the 1:50 dilution analysis (October 7, 2004) were reported. Surrogate recoveries exceeded QC criteria in the 10/7/04 analysis. Sample data was qualified due to this QC outlier.

The target analytes associated with these internal standards have been qualified "UJ/J" estimated in the effected samples as required by the validation guidelines. Samples were reanalyzed/re-extracted, analyzed and reported.

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

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/Semivolatile Organic analyses - The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

ORGANIC DATA ASSESSMENT

9. 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 ± 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 (EPA Method 8260B) – Ten (10) soil samples and one (1) Equipment Blank sample are associated with this data set. The samples were analyzed in accordance with EPA Method 8260B. Samples reported the Target Compound List (TCL) of Volatile Organic Analytes. A Library Search was performed and Tentatively Identified compounds were reported when detected. Soil sample results are reported on a dry weight basis.

Samples were analyzed without dilution or interference except where noted in the above report or detailed below. All positive result data was correct as reported.

Sample PSB-64 was initially reported from a 1:5 dilution due to the concentration of target analytes detected. A large hump was observed in the sample chromatogram. The sample was reanalyzed as a medium level soil. Methylcyclohexane was detected in both analyses at comparable concentrations (1000 ug/kg/930 ug/kg. The MEOH extraction did not reduce the matrix interference observed in the sample chromatogram.

Sample PSB-76 was initially reported from a 1:10 dilution due to the concentration of target analytes detected. A large hump was observed in the sample chromatogram. The sample was reanalyzed as a medium level soil. The MEOH extraction did not reduce the matrix interference observed in the sample chromatogram.

Sample PSB-75 was initially reported from a 1:5 dilution due to the concentration of target analytes detected. A large hump was observed in the sample chromatogram. The sample was reanalyzed as a medium level soil. The MEOH extraction did not reduce the matrix interference observed in the sample chromatogram.

Sample PSB-73 was reported from a 1:10 dilution due to the presence of target analyte and observed matrix interference. All QC data was acceptable in this analysis.

Sample PSB-72 was initially reported from a 1:5 dilution due to the concentration of target analytes detected. A large hump was observed in the sample chromatogram. Methylcyclohexane and m/p Xylenes exceeded the calibration range of the instrument. The sample was reanalyzed as a medium level soil. The MEOH extraction did not reduce the matrix interference observed in the sample chromatogram. All target analytes were reported within the concentration range of the instrument.

Sample PSB-70 was reported from a 1:5 dilution due to the presence of target analyte and observed matrix interference. All QC data was acceptable in this analysis.

9. COMPOUND IDENTIFICATION (cont'd):

Sample PSB-74 was initially reported from a 1:10 dilution due to the concentration of target analytes detected. A large hump was observed in the sample chromatogram. Cyclohexane, Methylcyclohexane, Benzene, Ethyl Benzene, m/p-Xylenes, o-Xylenes and Isopropylbenzene exceeded the calibration range of the instrument. The sample was reanalyzed as a medium level soil. The MEOH extraction did not reduce the matrix interference observed in the sample chromatogram. Cyclohexane, Methylcyclohexane and m/p-Xylenes were still reported above the concentration range of the instrument. An additional dilution of the MEOH extract was made at 1:25. All target analytes were reported within the concentration range of the instrument. This additional dilution did not reduce the matrix interference observed in the sample chromatogram.

Semivolatile Organic Analyses (SW846 Method 8270C) – Ten (10) soil samples and one (1) Equipment Blank sample are associated with this data set. Soil samples were extracted using 15 grams of sample. The final extract volume was 500 ul. The reporting limits on the result pages reflected the final dilution utilized in reporting the sample results. The sample chromatograms associated with the soils in this data set exhibited matrix interference. Sample extracts were diluted and reanalyzed when sample QC criteria were not met.

Sample PSB-64 was reported from a 1:50 time dilution due to the concentration of target analytes detected. The sample was initially analyzed on October 4, 2004. This sample data was not reported in the final report. The sample was reanalyzed October 7, 2004 using a 1:50 time dilution. Internal Standard QC criteria were not met. Surrogate recoveries did not meet QC criteria in this analysis. This analysis exhibited the same hump in the chromatogram. The data results in this analysis have been qualified "UJ/J" estimated for all target analytes.

Sample PSB-75 was initially analyzed using a 1:2 dilution. Matrix interference was exhibited in this sample chromatogram. The concentration of 2-Methylnaphthalene and Phenanthrene exceeded the calibration range. The sample was reanalyzed 1:10 and reported. The concentration of 2-Methylnaphthalene was still above the concentration range of the GC/MS. An additional dilution analysis (1:50) was reported. All target analytes were reported within the calibration range. The matrix interference was still present in the diluted sample chromatograms.

Sample PSB-73 was initially analyzed using a 1:5 dilution. The sample chromatogram exhibited matrix interference. All sample QC criteria were met in this analysis.

Sample PSB-72 was initially analyzed without dilution. The concentration of 2-Methylnaphthalene exceeded the calibration range. Matrix interference was exhibited in this sample chromatogram. The sample was reanalyzed 1:10 and reported. The concentration of 2-Methylnaphthalene (16000 ug/kg) was reported within the calibration range. The matrix interference was still present in the diluted sample chromatograms.

Sample PSB-70 was initially analyzed using a 1:2 dilution. The sample chromatogram exhibited matrix interference. All sample QC criteria were met in this analysis.

Sample PSB-74 was initially analyzed without dilution. The concentration of 2-Methylnaphthalene exceeded the calibration range. Matrix interference was exhibited in this sample chromatogram. The sample was reanalyzed 1:5 and reported. The concentration of 2-Methylnaphthalene (3700 ug/kg) was reported within the calibration range. The matrix interference was still present in the diluted sample chromatograms.

ORGANIC DATA ASSESSMENT

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and the detailed in the validation report. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

All sample results are reported to the method detection limit. Reporting limits and positive results are adjusted based on the sample volume utilized for each extraction procedure. All soil sample data is reported on a dry weight basis. All data provided for this data set is acceptable for use, with noted data qualifiers. The qualified data result pages are located in Appendix B of this report.

Premier Environmental Services

TABLE 1

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

Premier Environmental Services

FIELD SAMPLE ID	LABORATORY ID
PSB-63	S4962-01
PSB-62	S4962-02
PSB-64	S4962-03
PSB-76	S4962-04
PSB-75	S4962-05
PSB-73	S4962-06
PSB-72	S4962-07
PSB-72MS	S4962-08
PSB-72MSD	S4962-09
PSB-70	S4962-10
PSB-71	S4962-11
EB-1	S4962-12
PSB-74	S4962-13

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Premier Environmental Services

APPENDIX A

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
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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/unusable. 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.

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APPENDIX B

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-63	SDG No.:	S4962
Lab Sample ID:	S4962-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	13
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100936.D	1	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4	U	5.7	1.4	ug/Kg
74-87-3	Chloromethane	0.38	U	5.7	0.38	ug/Kg
75-01-4	Vinyl chloride	0.27	U	5.7	0.27	ug/Kg
74-83-9	Bromomethane	0.81	U	5.7	0.81	ug/Kg
75-00-3	Chloroethane	0.60 UJ	U	5.7	0.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.7	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.53	U	5.7	0.53	ug/Kg
75-35-4	1,1-Dichloroethene	0.25	U	5.7	0.25	ug/Kg
67-64-1	Acetone	8.6	U	29	8.6	ug/Kg
75-15-0	Carbon disulfide	0.12	U	5.7	0.12	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26	U	5.7	0.26	ug/Kg
79-20-9	Methyl Acetate	1.5	U	5.7	1.5	ug/Kg
75-09-2	Methylene Chloride	2.4 J	J	5.7	0.78	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.43	U	5.7	0.43	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	5.7	0.41	ug/Kg
110-82-7	Cyclohexane	0.35	U	5.7	0.35	ug/Kg
78-93-3	2-Butanone	2.6	U	29	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.34	U	5.7	0.34	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.7	0.40	ug/Kg
67-66-3	Chloroform	0.27	U	5.7	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.31	U	5.7	0.31	ug/Kg
108-87-2	Methylcyclohexane	0.41	U	5.7	0.41	ug/Kg
71-43-2	Benzene	0.23	U	5.7	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.7	3.5	ug/Kg
79-01-6	Trichloroethene	0.37	U	5.7	0.37	ug/Kg
78-87-5	1,2-Dichloropropane	0.39	U	5.7	0.39	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	5.7	0.38	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.8	U	29	2.8	ug/Kg
108-88-3	Toluene	0.30	U	5.7	0.30	ug/Kg
10061-02-6	t-1.3-Dichloropropene	0.29 UJ	U	5.7	0.29	ug/Kg
10061-01-5	cis-1.3-Dichloropropene	0.22	U	5.7	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	5.7	0.58	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-63	SDG No.:	S4962
Lab Sample ID:	S4962-01	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	13
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100936.D	1	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.7	U	29	3.7	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.7	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.48	U	5.7	0.48	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	5.7	0.73	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.7	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	5.7	0.29	ug/Kg
136777-61-2	m/p-Xylenes	0.59	U	5.7	0.59	ug/Kg
95-47-6	o-Xylene	0.50	U	5.7	0.50	ug/Kg
100-42-5	Styrene	0.36	U	5.7	0.36	ug/Kg
75-25-2	Bromoform	0.34	U	5.7	0.34	ug/Kg
98-82-8	Isopropylbenzene	0.43	U	5.7	0.43	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.61	U	5.7	0.61	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.7	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.40	U	5.7	0.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	5.7	0.47	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.78	U	5.7	0.78	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.7	0.29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.17	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	53.77	108 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	45.53	91 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	42.57	85 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252299	3.97			
540-36-3	1,4-Difluorobenzene	483020	4.58			
3114-55-4	Chlorobenzene-d5	427847	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	164707	8.58			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-62	SDG No.:	S4962
Lab Sample ID:	S4962-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	11
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100937.D	1	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4 UJ	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.80	U	5.6	0.80	ug/Kg
75-00-3	Chloroethane	0.59	U	5.6	0.59	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.6	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	5.6	0.52	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	25 J	J	28	8.4	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26 UJ	U	5.6	0.26	ug/Kg
79-20-9	Methyl Acetate	1.4 UJ	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	3.1 J	J	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42 UJ	U	5.6	0.42	ug/Kg
75-34-3	1,1-Dichloroethane	0.40	U	5.6	0.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.6	U	28	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.6	0.40	ug/Kg
67-66-3	Chloroform	1.7 J	J	5.6	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30 UJ	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	5.6	0.40	ug/Kg
71-43-2	Benzene	0.23	U	5.6	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.6	3.5	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.38	U	5.6	0.38	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1.3-Dichloropropene	0.29	U	5.6	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	5.6	0.57	ug/Kg

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-62	SDG No.:	S4962
Lab Sample ID:	S4962-02	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	11
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100937.D	1	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6 UJ	U	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.6	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	5.6	0.47	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.6	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	4.2 J	J	5.6	0.58	ug/Kg
95-47-6	o-Xylene	1.7 J	J	5.6	0.49	ug/Kg
100-42-5	Styrene	0.35 UJ	U	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.34	U	5.6	0.34	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	5.6	0.42	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.6	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	5.6	0.46	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	5.6	0.76	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.11	84 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	54.3	109 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	39.35	79 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	25.03	50 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191544	3.97			
540-36-3	1,4-Difluorobenzene	421520	4.58			
3114-55-4	Chlorobenzene-d5	241005	7.14			
3855-82-1	1,4-Dichlorobenzene-d4	35295	8.62			

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-62RE	SDG No.:	S4962
Lab Sample ID:	S4962-02RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	11
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100958.D	1	10/10/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.4 UJ	U	5.6	1.4	ug/Kg
74-87-3	Chloromethane	0.37	U	5.6	0.37	ug/Kg
75-01-4	Vinyl chloride	0.26	U	5.6	0.26	ug/Kg
74-83-9	Bromomethane	0.80	U	5.6	0.80	ug/Kg
75-00-3	Chloroethane	0.59	U	5.6	0.59	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	5.6	2.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.52	U	5.6	0.52	ug/Kg
75-35-4	1,1-Dichloroethene	0.24	U	5.6	0.24	ug/Kg
67-64-1	Acetone	66 J		28	8.4	ug/Kg
75-15-0	Carbon disulfide	0.11 UJ	U	5.6	0.11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.26 UJ	U	5.6	0.26	ug/Kg
79-20-9	Methyl Acetate	1.4 UJ	U	5.6	1.4	ug/Kg
75-09-2	Methylene Chloride	3.3 J	J	5.6	0.76	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.42 UJ	U	5.6	0.42	ug/Kg
75-34-3	1,1-Dichloroethane	0.40	U	5.6	0.40	ug/Kg
110-82-7	Cyclohexane	0.34	U	5.6	0.34	ug/Kg
78-93-3	2-Butanone	2.6	U	28	2.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.33	U	5.6	0.33	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	5.6	0.40	ug/Kg
67-66-3	Chloroform	3.3 J	J	5.6	0.27	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.30 UJ	U	5.6	0.30	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	5.6	0.40	ug/Kg
71-43-2	Benzene	0.23	U	5.6	0.23	ug/Kg
107-06-2	1,2-Dichloroethane	3.5	U	5.6	3.5	ug/Kg
79-01-6	Trichloroethene	0.36	U	5.6	0.36	ug/Kg
78-87-5	1,2-Dichloropropane	0.38	U	5.6	0.38	ug/Kg
75-27-4	Bromodichloromethane	0.37	U	5.6	0.37	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.7	U	28	2.7	ug/Kg
108-88-3	Toluene	0.29	U	5.6	0.29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.29	U	5.6	0.29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.22	U	5.6	0.22	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	5.6	0.57	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-62RE	SDG No.:	S4962
Lab Sample ID:	S4962-02RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	11
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100958.D	1	10/10/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	3.6	U J	28	3.6	ug/Kg
124-48-1	Dibromochloromethane	0.33	U	5.6	0.33	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	5.6	0.47	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	5.6	0.71	ug/Kg
108-90-7	Chlorobenzene	0.40	U	5.6	0.40	ug/Kg
100-41-4	Ethyl Benzene	0.28	U	5.6	0.28	ug/Kg
136777-61-2	m/p-Xylenes	6.0	J	5.6	0.58	ug/Kg
95-47-6	o-Xylene	2.2	J	5.6	0.49	ug/Kg
100-42-5	Styrene	0.35	U J	5.6	0.35	ug/Kg
75-25-2	Bromoform	0.34	U	5.6	0.34	ug/Kg
98-82-8	Isopropylbenzene	0.42	U	5.6	0.42	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.6	0.59	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.24	U	5.6	0.24	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.39	U	5.6	0.39	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	5.6	0.46	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.76	U	5.6	0.76	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.6	0.28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.77	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	48.36	97 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	46.24	92 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	35.12	70 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248531	3.99			
540-36-3	1,4-Difluorobenzene	521245	4.60			
3114-55-4	Chlorobenzene-d5	401129	7.14			
3855-82-1	1,4-Dichlorobenzene-d4	115165	8.60			
TENTITIVE IDENTIFIED COMPOUNDS						
620144	Benzene, 1-ethyl-3-methyl-	8.9	J	8.21		ug Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	**9/27/2004**
Project:	**Matt Petroleum Terminal**	**Date Received:**	**9/30/2004**
Client Sample ID:	**PSB-64**	**SDG No.:**	**S4962**
Lab Sample ID:	**S4962-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**25**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**mL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100939.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.2	U	33	8.2	ug/Kg
74-87-3	Chloromethane	2.2	U	33	2.2	ug/Kg
75-01-4	Vinyl chloride	1.6	U	33	1.6	ug/Kg
74-83-9	Bromomethane	4.7	U	33	4.7	ug/Kg
75-00-3	Chloroethane	3.5 UJ	U	33	3.5	ug/Kg
75-69-4	Trichlorofluoromethane	16	U	33	16	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.1	U	33	3.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.4	U	33	1.4	ug/Kg
67-64-1	Acetone	230 J		170	50	ug/Kg
75-15-0	Carbon disulfide	17 J	J	33	0.67	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	33	1.5	ug/Kg
79-20-9	Methyl Acetate	8.5	U	33	8.5	ug/Kg
75-09-2	Methylene Chloride	4.5 UJ	U	33	4.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	33	2.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.4	U	33	2.4	ug/Kg
110-82-7	Cyclohexane	120 J		33	2.0	ug/Kg
78-93-3	2-Butanone	15	U	170	15	ug/Kg
56-23-5	Carbon Tetrachloride	2.0	U	33	2.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.3	U	33	2.3	ug/Kg
67-66-3	Chloroform	1.6	U	33	1.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.8	U	33	1.8	ug/Kg
108-87-2	Methylcyclohexane	1000 J		33	2.4	ug/Kg
71-43-2	Benzene	1.3	U	33	1.3	ug/Kg
107-06-2	1,2-Dichloroethane	21	U	33	21	ug/Kg
79-01-6	Trichloroethene	2.1	U	33	2.1	ug/Kg
78-87-5	1,2-Dichloropropane	2.2	U	33	2.2	ug/Kg
75-27-4	Bromodichloromethane	2.2	U	33	2.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	170	16	ug/Kg
108-88-3	Toluene	20 J	J	33	1.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.7 UJ	U	33	1.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	33	1.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.4	U	33	3.4	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	**9/27/2004**
Project:	**Matt Petroleum Terminal**	**Date Received:**	**9/30/2004**
Client Sample ID:	**PSB-64**	**SDG No.:**	**S4962**
Lab Sample ID:	**S4962-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**25**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**mL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100939.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	21	U	170	21	ug/Kg
124-48-1	Dibromochloromethane	1.9	U	33	1.9	ug/Kg
106-93-4	1,2-Dibromoethane	2.8	U	33	2.8	ug/Kg
127-18-4	Tetrachloroethene	4.2 U J	U	33	4.2	ug/Kg
108-90-7	Chlorobenzene	2.3 U J	U	33	2.3	ug/Kg
100-41-4	Ethyl Benzene	16 J	J	33	1.7	ug/Kg
136777-61-2	m/p-Xylenes	120 J		33	3.4	ug/Kg
95-47-6	o-Xylene	250 J		33	2.9	ug/Kg
100-42-5	Styrene	2.1 U J	U	33	2.1	ug/Kg
75-25-2	Bromoform	2.0	U	33	2.0	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	33	2.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.5	U	33	3.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	33	1.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.3	U	33	2.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	33	2.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U	33	4.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.7	U	33	1.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.51	81 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	54.94	110 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	52.42	105 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	85.78	172 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214912	3.97			
540-36-3	1,4-Difluorobenzene	419453	4.58			
3114-55-4	Chlorobenzene-d5	252123	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	100567	8.37			
TENTITIVE IDENTIFIED COMPOUNDS						
2216344	Octane, 4-methyl-	590	J	6.94		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	890	J	7.65		ug/Kg
74645866	2-Decene, 5-methyl-, (Z)-	1600	J	7.73		ug/Kg
589902	Cyclohexane, 1,4-dimethyl-	460	J	8.14		ug/Kg

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	**9/27/2004**
Project:	**Matt Petroleum Terminal**	**Date Received:**	**9/30/2004**
Client Sample ID:	**PSB-64**	**SDG No.:**	**S4962**
Lab Sample ID:	**S4962-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**25**
Sample Wt/Vol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**mL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100939.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
1678984	Cyclohexane, (2-methylpropyl)-	490	J	8.51		ug/Kg
13151354	Decane, 5-methyl-	510	J	8.55		ug/Kg
493027	Naphthalene, decahydro-, trans-	590	J	8.77		ug/Kg
4126787	Cycloheptane, methyl-	410	J	8.92		ug/Kg
5948049	Cyclohexanone, 2-methyl-5-(1-methyle	610	J	9.11		ug/Kg
89827	Pulegone	440	J	9.22		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-64RE	SDG No.:	S4962
Lab Sample ID:	S4962-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100624.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	56	U	830	56	ug/Kg
74-87-3	Chloromethane	110	U	830	110	ug/Kg
75-01-4	Vinyl chloride	44	U	830	44	ug/Kg
74-83-9	Bromomethane	130	U	830	130	ug/Kg
75-00-3	Chloroethane	150	U	830	150	ug/Kg
75-69-4	Trichlorofluoromethane	96	U	830	96	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	120 UJ	U	830	120	ug/Kg
75-35-4	1,1-Dichloroethene	54	U	830	54	ug/Kg
67-64-1	Acetone	550	U	4200	550	ug/Kg
75-15-0	Carbon disulfide	65	U	830	65	ug/Kg
1634-04-4	Methyl tert-butyl Ether	60	U	830	60	ug/Kg
79-20-9	Methyl Acetate	140	U	830	140	ug/Kg
75-09-2	Methylene Chloride	100	U	830	100	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86	U	830	86	ug/Kg
75-34-3	1,1-Dichloroethane	36	U	830	36	ug/Kg
110-82-7	Cyclohexane	180	J	830	61	ug/Kg
78-93-3	2-Butanone	470	U	4200	470	ug/Kg
56-23-5	Carbon Tetrachloride	78	U	830	78	ug/Kg
156-59-2	cis-1,2-Dichloroethene	130	U	830	130	ug/Kg
67-66-3	Chloroform	96	U	830	96	ug/Kg
71-55-6	1,1,1-Trichloroethane	68	U	830	68	ug/Kg
108-87-2	Methyl Cyclohexane	930 J	D	830	97	ug/Kg
71-43-2	Benzene	40	U	830	40	ug/Kg
107-06-2	1,2-Dichloroethane	53	U	830	53	ug/Kg
79-01-6	Trichloroethene	110	U	830	110	ug/Kg
78-87-5	1,2-Dichloropropane	53	U	830	53	ug/Kg
75-27-4	Bromodichloromethane	58	U	830	58	ug/Kg
108-10-1	4-Methyl-2-Pentanone	220	U	4200	220	ug/Kg
108-88-3	Toluene	64	U	830	64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	71	U	830	71	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	25	U	830	25	ug/Kg
79-00-5	1,1,2-Trichloroethane	86	U	830	86	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-64RE	SDG No.:	S4962
Lab Sample ID:	S4962-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100624.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	110 UJ	U	4200	110	ug/Kg
124-48-1	Dibromochloromethane	63	U	830	63	ug/Kg
106-93-4	1,2-Dibromoethane	110	U	830	110	ug/Kg
127-18-4	Tetrachloroethene	55	U	830	55	ug/Kg
108-90-7	Chlorobenzene	61	U	830	61	ug/Kg
100-41-4	Ethyl Benzene	68	U	830	68	ug/Kg
136777-61-2	m&p-Xylenes	390	J	1700	160	ug/Kg
95-47-6	o-Xylene	61	U	830	61	ug/Kg
100-42-5	Styrene	57	U	830	57	ug/Kg
75-25-2	Bromoform	42 UJ	U	830	42	ug/Kg
98-82-8	Isopropylbenzene	56	U	830	56	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	83	U	830	83	ug/Kg
541-73-1	1,3-Dichlorobenzene	62	U	830	62	ug/Kg
106-46-7	1,4-Dichlorobenzene	64	U	830	64	ug/Kg
95-50-1	1,2-Dichlorobenzene	61	U	830	61	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	830	160	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	48	U	830	48	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.29	85 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	46.62	93 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	47.52	95 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	55.24	110 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1698027	5.04			
540-36-3	1,4-Difluorobenzene	2819512	5.56			
3114-55-4	Chlorobenzene-d5	2148547	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	632024	10.69			
TENTITIVE IDENTIFIED COMPOUNDS						
99876	Benzene, 1-methyl-4-(1-methylethyl)-	22000	J	10.87		ug/Kg
	Unknown	33000	J	11.29		ug/Kg
933982	Benzene, 1-ethyl-2,3-dimethyl-	28000	J	11.56		ug/Kg
95932	Benzene, 1,2,4,5-tetramethyl-	47000	J	11.89		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-64RE	SDG No.:	S4962
Lab Sample ID:	S4962-03RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100624.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
2050240	Benzene, 1,3-diethyl-5-methyl-	47000	J	12.15		ug/Kg
18321363	Benzene, (1,1-dimethyl-2-propenyl)-	23000	J	12.22		ug/Kg
1585166	Benzene, 2-(chloromethyl)-1,3,5-trimet	23000	J	12.52		ug/Kg
54340851	Benzene, 1-(2-butenyl)-2,3-dimethyl-	27000	J	12.95		ug/Kg
90120	Naphthalene, 1-methyl-	32000	J	13.54		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-76	SDG No.:	S4962
Lab Sample ID:	S4962-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100941.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16	U	67	16	ug/Kg
74-87-3	Chloromethane	4.4	U	67	4.4	ug/Kg
75-01-4	Vinyl chloride	3.1	U	67	3.1	ug/Kg
74-83-9	Bromomethane	9.4	U	67	9.4	ug/Kg
75-00-3	Chloroethane	7.0 UJ	U	67	7.0	ug/Kg
75-69-4	Trichlorofluoromethane	33	U	67	33	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	67	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	67	2.9	ug/Kg
67-64-1	Acetone	320	J	330	99	ug/Kg
75-15-0	Carbon disulfide	1.3	U	67	1.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	67	3.1	ug/Kg
79-20-9	Methyl Acetate	17	U	67	17	ug/Kg
75-09-2	Methylene Chloride	9.1 UJ	U	67	9.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.9	U	67	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	4.7	U	67	4.7	ug/Kg
110-82-7	Cyclohexane	23	J	67	4.1	ug/Kg
78-93-3	2-Butanone	30	U	330	30	ug/Kg
56-23-5	Carbon Tetrachloride	4.0	U	67	4.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.7	U	67	4.7	ug/Kg
67-66-3	Chloroform	3.2	U	67	3.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.6	U	67	3.6	ug/Kg
108-87-2	Methylcyclohexane	270		67	4.7	ug/Kg
71-43-2	Benzene	2.7	U	67	2.7	ug/Kg
107-06-2	1,2-Dichloroethane	41	U	67	41	ug/Kg
79-01-6	Trichloroethene	4.3	U	67	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	4.5	U	67	4.5	ug/Kg
75-27-4	Bromodichloromethane	4.4	U	67	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	330	32	ug/Kg
108-88-3	Toluene	3.5	U	67	3.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.4 UJ	U	67	3.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.6	U	67	2.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.7	U	67	6.7	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-76	SDG No.:	S4962
Lab Sample ID:	S4962-04	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100941.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	43	U	330	43	ug/Kg
124-48-1	Dibromochloromethane	3.9	U	67	3.9	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	67	5.5	ug/Kg
127-18-4	Tetrachloroethene	8.5	U	67	8.5	ug/Kg
108-90-7	Chlorobenzene	4.7	U	67	4.7	ug/Kg
100-41-4	Ethyl Benzene	3.3	U	67	3.3	ug/Kg
136777-61-2	m/p-Xylenes	97		67	6.9	ug/Kg
95-47-6	o-Xylene	57	J	67	5.8	ug/Kg
100-42-5	Styrene	4.2	U	67	4.2	ug/Kg
75-25-2	Bromoform	4.0	U	67	4.0	ug/Kg
98-82-8	Isopropylbenzene	190		67	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U	67	7.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.8	U	67	2.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.7	U	67	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.5	U	67	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	9.0	U	67	9.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.3	U	67	3.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.03	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	51.92	104 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	55.94	112 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	60.05	120 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301393	3.96			
540-36-3	1,4-Difluorobenzene	561343	4.57			
3114-55-4	Chlorobenzene-d5	494586	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	171215	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
3728549	Cyclohexane, 1-ethyl-2-methyl-	1900	J	7.51		ug/Kg
2051301	Octane, 2,6-dimethyl-	2600	J	7.64		ug/Kg
1678928	Cyclohexane, propyl-	2800	J	7.71		ug/Kg
2207047	Cyclohexane, 1,4-dimethyl-, trans-	1700	J	8.14		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-76	**SDG No.:**	S4962
Lab Sample ID:	S4962-04	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	25
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100941.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
99876	Benzene, 1-methyl-4-(1-methylethyl)-	1600	J	8.91		ug/Kg
768490	Benzene, (2-methyl-1-propenyl)-	1600	J	9.01		ug/Kg
4292926	Cyclohexane, pentyl-	2700	J	9.12		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	2600	J	9.22		ug/Kg
2039896	Benzene, 2-ethenyl-1,4-dimethyl-	2800	J	9.41		ug/Kg
4489843	Benzene, (3-methyl-2-butenyl)-	1700	J	9.57		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Plumley Engineering, P.C.**	**Date Collected:**	**9/27/2004**
Project:	**Matt Petroleum Terminal**	**Date Received:**	**9/30/2004**
Client Sample ID:	**PSB-76RE**	**SDG No.:**	**S4962**
Lab Sample ID:	**S4962-04RE**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**25**
Sample Wt/Wol:	**4.0 Units: g**	**Soil Extract Vol:**	**10000 uL**
Soil Aliquot Vol:	**100 mL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100627.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	56	U	830	56	ug/Kg
74-87-3	Chloromethane	110	U	830	110	ug/Kg
75-01-4	Vinyl chloride	44	U	830	44	ug/Kg
74-83-9	Bromomethane	130	U	830	130	ug/Kg
75-00-3	Chloroethane	150	U	830	150	ug/Kg
75-69-4	Trichlorofluoromethane	96	U	830	96	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	120 UJ	U	830	120	ug/Kg
75-35-4	1,1-Dichloroethene	54	U	830	54	ug/Kg
67-64-1	Acetone	550	U	4200	550	ug/Kg
75-15-0	Carbon disulfide	65	U	830	65	ug/Kg
1634-04-4	Methyl tert-butyl Ether	60	U	830	60	ug/Kg
79-20-9	Methyl Acetate	140	U	830	140	ug/Kg
75-09-2	Methylene Chloride	100	U	830	100	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86	U	830	86	ug/Kg
75-34-3	1,1-Dichloroethane	36	U	830	36	ug/Kg
110-82-7	Cyclohexane	61	U	830	61	ug/Kg
78-93-3	2-Butanone	470	U	4200	470	ug/Kg
56-23-5	Carbon Tetrachloride	78	U	830	78	ug/Kg
156-59-2	cis-1,2-Dichloroethene	130	U	830	130	ug/Kg
67-66-3	Chloroform	96	U	830	96	ug/Kg
71-55-6	1,1,1-Trichloroethane	68	U	830	68	ug/Kg
108-87-2	Methyl Cyclohexane	97 UJ	U	830	97	ug/Kg
71-43-2	Benzene	40	U	830	40	ug/Kg
107-06-2	1,2-Dichloroethane	53	U	830	53	ug/Kg
79-01-6	Trichloroethene	110	U	830	110	ug/Kg
78-87-5	1,2-Dichloropropane	53	U	830	53	ug/Kg
75-27-4	Bromodichloromethane	58	U	830	58	ug/Kg
108-10-1	4-Methyl-2-Pentanone	220	U	4200	220	ug/Kg
108-88-3	Toluene	64	U	830	64	ug/Kg
10061-02-6	t-1,3-Dichloropropene	71	U	830	71	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	25	U	830	25	ug/Kg
79-00-5	1,1,2-Trichloroethane	86	U	830	86	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-76RE	SDG No.:	S4962
Lab Sample ID:	S4962-04RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	25
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100627.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	110 U J	U	4200	110	ug/Kg
124-48-1	Dibromochloromethane	63	U	830	63	ug/Kg
106-93-4	1,2-Dibromoethane	110	U	830	110	ug/Kg
127-18-4	Tetrachloroethene	55	U	830	55	ug/Kg
108-90-7	Chlorobenzene	61	U	830	61	ug/Kg
100-41-4	Ethyl Benzene	68	U	830	68	ug/Kg
136777-61-2	m&p-Xylenes	170	J	1700	160	ug/Kg
95-47-6	o-Xylene	61	U	830	61	ug/Kg
100-42-5	Styrene	57	U	830	57	ug/Kg
75-25-2	Bromoform	42 U J	U	830	42	ug/Kg
98-82-8	Isopropylbenzene	490	J	830	56	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	83	U	830	83	ug/Kg
541-73-1	1,3-Dichlorobenzene	62	U	830	62	ug/Kg
106-46-7	1,4-Dichlorobenzene	64	U	830	64	ug/Kg
95-50-1	1,2-Dichlorobenzene	61	U	830	61	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	830	160	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	48	U	830	48	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.57	87 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	44.18	88 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	45.7	91 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	53.48	107 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1645007	5.04			
540-36-3	1,4-Difluorobenzene	2930035	5.56			
3114-55-4	Chlorobenzene-d5	2226210	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	626840	10.70			
TENTITIVE IDENTIFIED COMPOUNDS						
1678984	Cyclohexane, (2-methylpropyl)-	16000	J	10.34		ug/Kg
300572	Benzene, 2-propenyl-	25000	J	10.84		ug/Kg
30030252	Benzene, (chloromethyl)ethenyl-	35000	J	11.29		ug/Kg
3333139	Benzene, 1-methyl-4-(2-propenyl)-	25000	J	11.74		ug/Kg

U = Not Detected
RL = Reporting Limit
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75	SDG No.:	S4962
Lab Sample ID:	S4962-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	17
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100943.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	7.4	U	30	7.4	ug/Kg
74-87-3	Chloromethane	2.0	U	30	2.0	ug/Kg
75-01-4	Vinyl chloride	1.4	U	30	1.4	ug/Kg
74-83-9	Bromomethane	4.3	U	30	4.3	ug/Kg
75-00-3	Chloroethane	3.2 UJ	U	30	3.2	ug/Kg
75-69-4	Trichlorofluoromethane	15	U	30	15	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.8	U	30	2.8	ug/Kg
75-35-4	1,1-Dichloroethene	1.3	U	30	1.3	ug/Kg
67-64-1	Acetone	45	U	150	45	ug/Kg
75-15-0	Carbon disulfide	0.61	U	30	0.61	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.4	U	30	1.4	ug/Kg
79-20-9	Methyl Acetate	7.7	U	30	7.7	ug/Kg
75-09-2	Methylene Chloride	4.1 UJ	U	30	4.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.2	U	30	2.2	ug/Kg
75-34-3	1,1-Dichloroethane	2.1	U	30	2.1	ug/Kg
110-82-7	Cyclohexane	57		30	1.8	ug/Kg
78-93-3	2-Butanone	14	U	150	14	ug/Kg
56-23-5	Carbon Tetrachloride	1.8	U	30	1.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.1	U	30	2.1	ug/Kg
67-66-3	Chloroform	1.4	U	30	1.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.6	U	30	1.6	ug/Kg
108-87-2	Methylcyclohexane	690		30	2.1	ug/Kg
71-43-2	Benzene	1.2	U	30	1.2	ug/Kg
107-06-2	1,2-Dichloroethane	19	U	30	19	ug/Kg
79-01-6	Trichloroethene	1.9	U	30	1.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.0	U	30	2.0	ug/Kg
75-27-4	Bromodichloromethane	2.0	U	30	2.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	150	14	ug/Kg
108-88-3	Toluene	1.6	U	30	1.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5 UJ	U	30	1.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.2	U	30	1.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.0	U	30	3.0	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75	SDG No.:	S4962
Lab Sample ID:	S4962-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	17
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100943.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	19	U	150	19	ug/Kg
124-48-1	Dibromochloromethane	1.8	U	30	1.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	30	2.5	ug/Kg
127-18-4	Tetrachloroethene	3.8	U	30	3.8	ug/Kg
108-90-7	Chlorobenzene	2.1	U	30	2.1	ug/Kg
100-41-4	Ethyl Benzene	1.5	U	30	1.5	ug/Kg
136777-61-2	m/p-Xylenes	3.1	U	30	3.1	ug/Kg
95-47-6	o-Xylene	2.6	U	30	2.6	ug/Kg
100-42-5	Styrene	1.9	U	30	1.9	ug/Kg
75-25-2	Bromoform	1.8	U	30	1.8	ug/Kg
98-82-8	Isopropylbenzene	640 J		30	2.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.2 UJ	U	30	3.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.3	U	30	1.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.1	U	30	2.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	30	2.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.1	U	30	4.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	30	1.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.84	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50.63	101 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	56.41	113 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	55.96	112 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	298925	3.97			
540-36-3	1,4-Difluorobenzene	546716	4.57			
3114-55-4	Chlorobenzene-d5	446921	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	121066	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
1678815	Cyclohexane, 1,2,3-trimethyl-, (1.alpha	550	J	6.93		ug/Kg
3728550	1-Ethyl-3-methylcyclohexane (c,t)	480	J	7.31		ug/Kg
4923788	Cyclohexane, 1-ethyl-2-methyl-, trans-	770	J	7.52		ug/Kg
7154792	Pentane, 2,2,3,3-tetramethyl-	680	J	7.55		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75	SDG No.:	S4962
Lab Sample ID:	S4962-05	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	17
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100943.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
5911046	Nonane, 3-methyl-	1500	J	7.64		ug/Kg
1678928	Cyclohexane, propyl-	1900	J	7.72		ug/Kg
62016335	Octane, 2,3,6-trimethyl-	580	J	8.32		ug/Kg
493027	Naphthalene, decahydro-, trans-	440	J	8.77		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	470	J	9.10		ug/Kg
768003	Benzene, (1-methyl-1-propenyl)-, (E)-	450	J	9.40		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75RE	SDG No.:	S4962
Lab Sample ID:	S4962-05RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	17
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100629.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	50	U	750	50	ug/Kg
74-87-3	Chloromethane	100	U	750	100	ug/Kg
75-01-4	Vinyl chloride	40	U	750	40	ug/Kg
74-83-9	Bromomethane	120	U	750	120	ug/Kg
75-00-3	Chloroethane	130	U	750	130	ug/Kg
75-69-4	Trichlorofluoromethane	87	U	750	87	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	100 UJ	U	750	100	ug/Kg
75-35-4	1,1-Dichloroethene	48	U	750	48	ug/Kg
67-64-1	Acetone	500	U	3800	500	ug/Kg
75-15-0	Carbon disulfide	59	U	750	59	ug/Kg
1634-04-4	Methyl tert-butyl Ether	54	U	750	54	ug/Kg
79-20-9	Methyl Acetate	120	U	750	120	ug/Kg
75-09-2	Methylene Chloride	94	U	750	94	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77	U	750	77	ug/Kg
75-34-3	1,1-Dichloroethane	32	U	750	32	ug/Kg
110-82-7	Cyclohexane	55	U	750	55	ug/Kg
78-93-3	2-Butanone	430	U	3800	430	ug/Kg
56-23-5	Carbon Tetrachloride	71	U	750	71	ug/Kg
156-59-2	cis-1,2-Dichloroethene	120	U	750	120	ug/Kg
67-66-3	Chloroform	87	U	750	87	ug/Kg
71-55-6	1,1,1-Trichloroethane	61	U	750	61	ug/Kg
108-87-2	Methyl Cyclohexane	87 UJ	U	750	87	ug/Kg
71-43-2	Benzene	36	U	750	36	ug/Kg
107-06-2	1,2-Dichloroethane	48	U	750	48	ug/Kg
79-01-6	Trichloroethene	100	U	750	100	ug/Kg
78-87-5	1,2-Dichloropropane	48	U	750	48	ug/Kg
75-27-4	Bromodichloromethane	52	U	750	52	ug/Kg
108-10-1	4-Methyl-2-Pentanone	200	U	3800	200	ug/Kg
108-88-3	Toluene	58	U	750	58	ug/Kg
10061-02-6	t-1,3-Dichloropropene	64	U	750	64	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	23	U	750	23	ug/Kg
79-00-5	1,1,2-Trichloroethane	78	U	750	78	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75RE	**SDG No.:**	S4962
Lab Sample ID:	S4962-05RE	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	17
Sample Wt/Vol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100629.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	99 UJ	U	3800	99	ug/Kg
124-48-1	Dibromochloromethane	57	U	750	57	ug/Kg
106-93-4	1,2-Dibromoethane	95	U	750	95	ug/Kg
127-18-4	Tetrachloroethene	50	U	750	50	ug/Kg
108-90-7	Chlorobenzene	55	U	750	55	ug/Kg
100-41-4	Ethyl Benzene	61	U	750	61	ug/Kg
136777-61-2	m&p-Xylenes	150	U	1500	150	ug/Kg
95-47-6	o-Xylene	55	U	750	55	ug/Kg
100-42-5	Styrene	52	U	750	52	ug/Kg
75-25-2	Bromoform	38 UJ	U	750	38	ug/Kg
98-82-8	Isopropylbenzene	540	J	750	59	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	75	U	750	75	ug/Kg
541-73-1	1,3-Dichlorobenzene	56	U	750	56	ug/Kg
106-46-7	1,4-Dichlorobenzene	58	U	750	58	ug/Kg
95-50-1	1,2-Dichlorobenzene	55	U	750	55	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	140	U	750	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	43	U	750	43	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.53	83 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	46.49	93 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	44.45	89 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	58.02	116 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1757463	5.03			
540-36-3	1,4-Difluorobenzene	3022636	5.56			
3114-55-4	Chlorobenzene-d5	2173153	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	659573	10.70			
TENTITIVE IDENTIFIED COMPOUNDS						
1678939	Cyclohexane, butyl-	14000	J	10.34		ug/Kg
4291796	Cyclohexane, 1-methyl-2-propyl-	14000	J	10.85		ug/Kg
933982	Benzene, 1-ethyl-2,3-dimethyl-	16000	J	11.18		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	21000	J	11.29		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75RE	SDG No.:	S4962
Lab Sample ID:	S4962-05RE	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	17
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100629.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
33877871	Azulene, 1,2,3,3a-tetrahydro-	18000	J	11.73		ug/Kg
2039896	Benzene, 2-ethenyl-1,4-dimethyl-	27000	J	11.88		ug/Kg
17059482	1H-Indene, 2,3-dihydro-1,6-dimethyl-	15000	J	12.09		ug/Kg
4912929	1H-Indene, 2,3-dihydro-1,1-dimethyl-	14000	J	12.23		ug/Kg
21564910	Naphthalene, 1,2,3,4-tetrahydro-1,5-dim	13000	J	12.96		ug/Kg

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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-73	**SDG No.:**	S4962
Lab Sample ID:	S4962-06	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	24
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100945.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16	U	66	16	ug/Kg
74-87-3	Chloromethane	4.4	U	66	4.4	ug/Kg
75-01-4	Vinyl chloride	3.1	U	66	3.1	ug/Kg
74-83-9	Bromomethane	9.3	U	66	9.3	ug/Kg
75-00-3	Chloroethane	6.9 UJ	U	66	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	32	U	66	32	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.0	U	66	6.0	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	66	2.8	ug/Kg
67-64-1	Acetone	98	U	330	98	ug/Kg
75-15-0	Carbon disulfide	1.3	U	66	1.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.0	U	66	3.0	ug/Kg
79-20-9	Methyl Acetate	17	U	66	17	ug/Kg
75-09-2	Methylene Chloride	15 J	J	66	8.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.9	U	66	4.9	ug/Kg
75-34-3	1,1-Dichloroethane	4.6	U	66	4.6	ug/Kg
110-82-7	Cyclohexane	4.0	U	66	4.0	ug/Kg
78-93-3	2-Butanone	30	U	330	30	ug/Kg
56-23-5	Carbon Tetrachloride	3.9	U	66	3.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.6	U	66	4.6	ug/Kg
67-66-3	Chloroform	3.1	U	66	3.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.6	U	66	3.6	ug/Kg
108-87-2	Methylcyclohexane	390		66	4.7	ug/Kg
71-43-2	Benzene	2.7	U	66	2.7	ug/Kg
107-06-2	1,2-Dichloroethane	41	U	66	41	ug/Kg
79-01-6	Trichloroethene	4.2	U	66	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	4.4	U	66	4.4	ug/Kg
75-27-4	Bromodichloromethane	4.4	U	66	4.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	330	32	ug/Kg
108-88-3	Toluene	3.4	U	66	3.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.4 UJ	U	66	3.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.6	U	66	2.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.7	U	66	6.7	ug/Kg

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E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-73	SDG No.:	S4962
Lab Sample ID:	S4962-06	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100945.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	42	U	330	42	ug/Kg
124-48-1	Dibromochloromethane	3.8	U	66	3.8	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	66	5.5	ug/Kg
127-18-4	Tetrachloroethene	8.4	U	66	8.4	ug/Kg
108-90-7	Chlorobenzene	4.6	U	66	4.6	ug/Kg
100-41-4	Ethyl Benzene	3.3	U	66	3.3	ug/Kg
136777-61-2	m/p-Xylenes	32	J	66	6.8	ug/Kg
95-47-6	o-Xylene	5.7	U	66	5.7	ug/Kg
100-42-5	Styrene	4.1	U	66	4.1	ug/Kg
75-25-2	Bromoform	3.9	U	66	3.9	ug/Kg
98-82-8	Isopropylbenzene	48	J	66	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	7.0	U	66	7.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.8	U	66	2.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.6	U	66	4.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.4	U	66	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U	66	8.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.3	U	66	3.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.94	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	55.01	110 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	51.11	102 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	48.72	97 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283553	3.97			
540-36-3	1,4-Difluorobenzene	519957	4.58			
3114-55-4	Chlorobenzene-d5	389406	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	143982	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
619998	Hexane, 3-ethyl-	1100	J	6.94		ug/Kg
50876329	Cyclohexane, 1,1,3,5-tetramethyl-, cis-	1500	J	7.50		ug/Kg
5911046	Nonane, 3-methyl-	1800	J	7.64		ug/Kg
4551513	1H-Indene, octahydro-, cis-	880	J	7.67		ug/Kg

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-73	SDG No.:	S4962
Lab Sample ID:	S4962-06	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	24
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100945.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
7146603	Octane, 2,3-dimethyl-	3500	J	7.73		ug/Kg
13151343	Decane, 3-methyl-	880	J	8.64		ug/Kg
493027	Naphthalene, decahydro-, trans-	1000	J	8.76		ug/Kg
5948049	Cyclohexanone, 2-methyl-5-(1-methyle	1200	J	9.10		ug/Kg
2958761	Naphthalene, decahydro-2-methyl-	860	J	9.21		ug/Kg
527844	Benzene, 1-methyl-2-(1-methylethyl)-	1400	J	9.39		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72	SDG No.:	S4962
Lab Sample ID:	S4962-07	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100947.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	7.2	U	29	7.2	ug/Kg
74-87-3	Chloromethane	1.9	U	29	1.9	ug/Kg
75-01-4	Vinyl chloride	1.4	U	29	1.4	ug/Kg
74-83-9	Bromomethane	4.1	U	29	4.1	ug/Kg
75-00-3	Chloroethane	3.1 UJ	U	29	3.1	ug/Kg
75-69-4	Trichlorofluoromethane	14	U	29	14	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	29	2.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.2	U	29	1.2	ug/Kg
67-64-1	Acetone	98 J	J	150	43	ug/Kg
75-15-0	Carbon disulfide	0.59	U	29	0.59	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.3	U	29	1.3	ug/Kg
79-20-9	Methyl Acetate	7.4	U	29	7.4	ug/Kg
75-09-2	Methylene Chloride	4.0 UJ	U	29	4.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.2	U	29	2.2	ug/Kg
75-34-3	1,1-Dichloroethane	2.1	U	29	2.1	ug/Kg
110-82-7	Cyclohexane	320 J		29	1.8	ug/Kg
78-93-3	2-Butanone	13	U	150	13	ug/Kg
56-23-5	Carbon Tetrachloride	1.7	U	29	1.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.0	U	29	2.0	ug/Kg
67-66-3	Chloroform	1.4	U	29	1.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.6	U	29	1.6	ug/Kg
108-87-2	Methylcyclohexane	2700 J	E	29	2.1	ug/Kg
71-43-2	Benzene	21 J	J	29	1.2	ug/Kg
107-06-2	1,2-Dichloroethane	18	U	29	18	ug/Kg
79-01-6	Trichloroethene	1.9	U	29	1.9	ug/Kg
78-87-5	1,2-Dichloropropane	1.9	U	29	1.9	ug/Kg
75-27-4	Bromodichloromethane	1.9	U	29	1.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	150	14	ug/Kg
108-88-3	Toluene	79 J		29	1.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.5 UJ	U	29	1.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.1	U	29	1.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	29	2.9	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72	SDG No.:	S4962
Lab Sample ID:	S4962-07	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100947.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	19	U	150	19	ug/Kg
124-48-1	Dibromochloromethane	1.7	U	29	1.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.4	U	29	2.4	ug/Kg
127-18-4	Tetrachloroethene	3.7	U	29	3.7	ug/Kg
108-90-7	Chlorobenzene	2.0	U	29	2.0	ug/Kg
100-41-4	Ethyl Benzene	1000		29	1.4	ug/Kg
136777-61-2	m/p-Xylenes	2500	E	29	3.0	ug/Kg
95-47-6	o-Xylene	220		29	2.5	ug/Kg
100-42-5	Styrene	1.8	U	29	1.8	ug/Kg
75-25-2	Bromoform	1.7	U	29	1.7	ug/Kg
98-82-8	Isopropylbenzene	1000		29	2.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	29	3.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.2	U	29	1.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.0	U	29	2.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.4	U	29	2.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.9	U	29	3.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.5	U	29	1.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.28	89 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50.35	101 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	66.32	133 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	47.95	96 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259280	3.97			
540-36-3	1,4-Difluorobenzene	499171	4.57			
3114-55-4	Chlorobenzene-d5	377136	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	88323	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
142825	Heptane	830	J	4.48		ug/Kg
592278	Heptane, 2-methyl-	1200	J	5.54		ug/Kg
111659	Octane	1200	J	6.09		ug/Kg
1678917	Cyclohexane, ethyl-	700	J	6.71		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72	SDG No.:	S4962
Lab Sample ID:	S4962-07	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100947.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3073663	Cyclohexane, 1,1,3-trimethyl-	740	J	6.75		ug/Kg
2213232	Heptane, 2,4-dimethyl-	1000	J	6.95		ug/Kg
2216333	Octane, 3-methyl-	750	J	7.03		ug/Kg
5911046	Nonane, 3-methyl-	900	J	7.64		ug/Kg
1678928	Cyclohexane, propyl-	1400	J	7.72		ug/Kg
526738	Benzene, 1,2,3-trimethyl-	1700	J	8.35		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72DL	SDG No.:	S4962
Lab Sample ID:	S4962-07DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100620.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	49	UD	730	49	ug/Kg
74-87-3	Chloromethane	99	UD	730	99	ug/Kg
75-01-4	Vinyl chloride	39	UD	730	39	ug/Kg
74-83-9	Bromomethane	110	UD	730	110	ug/Kg
75-00-3	Chloroethane	130	UD	730	130	ug/Kg
75-69-4	Trichlorofluoromethane	84	UD	730	84	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	100 UJ	UD	730	100	ug/Kg
75-35-4	1,1-Dichloroethene	47	UD	730	47	ug/Kg
67-64-1	Acetone	480	UD	3600	480	ug/Kg
75-15-0	Carbon disulfide	57	UD	730	57	ug/Kg
1634-04-4	Methyl tert-butyl Ether	52	UD	730	52	ug/Kg
79-20-9	Methyl Acetate	120	UD	730	120	ug/Kg
75-09-2	Methylene Chloride	90	UD	730	90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	75	UD	730	75	ug/Kg
75-34-3	1,1-Dichloroethane	31	UD	730	31	ug/Kg
110-82-7	Cyclohexane	1400	D	730	53	ug/Kg
78-93-3	2-Butanone	410	UD	3600	410	ug/Kg
56-23-5	Carbon Tetrachloride	68	UD	730	68	ug/Kg
156-59-2	cis-1,2-Dichloroethene	110	UD	730	110	ug/Kg
67-66-3	Chloroform	84	UD	730	84	ug/Kg
71-55-6	1,1,1-Trichloroethane	59	UD	730	59	ug/Kg
108-87-2	Methyl Cyclohexane	5600 J	D	730	85	ug/Kg
71-43-2	Benzene	35	UD	730	35	ug/Kg
107-06-2	1,2-Dichloroethane	47	UD	730	47	ug/Kg
79-01-6	Trichloroethene	97	UD	730	97	ug/Kg
78-87-5	1,2-Dichloropropane	46	UD	730	46	ug/Kg
75-27-4	Bromodichloromethane	51	UD	730	51	ug/Kg
108-10-1	4-Methyl-2-Pentanone	190	UD	3600	190	ug/Kg
108-88-3	Toluene	56	UD	730	56	ug/Kg
10061-02-6	t-1.3-Dichloropropene	62	UD	730	62	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22	UD	730	22	ug/Kg
79-00-5	1,1,2-Trichloroethane	75	UD	730	75	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72DL	SDG No.:	S4962
Lab Sample ID:	S4962-07DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100620.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	96 UJ	UD	3600	96	ug/Kg
124-48-1	Dibromochloromethane	55	UD	730	55	ug/Kg
106-93-4	1,2-Dibromoethane	92	UD	730	92	ug/Kg
127-18-4	Tetrachloroethene	48	UD	730	48	ug/Kg
108-90-7	Chlorobenzene	53	UD	730	53	ug/Kg
100-41-4	Ethyl Benzene	1600	D	730	59	ug/Kg
136777-61-2	m&p-Xylenes	4500	D	1500	140	ug/Kg
95-47-6	o-Xylene	360	JD	730	53	ug/Kg
100-42-5	Styrene	50	UD	730	50	ug/Kg
75-25-2	Bromoform	37 UJ	UD	730	37	ug/Kg
98-82-8	Isopropylbenzene	1100	D	730	48	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	72	UD	730	72	ug/Kg
541-73-1	1,3-Dichlorobenzene	54	UD	730	54	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	UD	730	56	ug/Kg
95-50-1	1,2-Dichlorobenzene	53	UD	730	53	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	140	UD	730	140	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	42	UD	730	42	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.27	91 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	48.97	98 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	49.79	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	59.85	120 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1604358	5.03			
540-36-3	1,4-Difluorobenzene	2695684	5.56			
3114-55-4	Chlorobenzene-d5	2073124	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	621836	10.69			
TENTITIVE IDENTIFIED COMPOUNDS						
124389	Carbon dioxide	14000	JD	1.41		ug/Kg
526738	Benzene, 1,2,3-trimethyl-	20000	JD	10.34		ug/Kg
874419	Benzene, 1-ethyl-2,4-dimethyl-	18000	JD	10.86		ug/Kg
27133933	2,3-Dihydro-1-methylindene	23000	JD	11.29		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72DL	SDG No.:	S4962
Lab Sample ID:	S4962-07DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	14
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100620.D	1	10/6/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
2039896	Benzene, 2-ethenyl-1,4-dimethyl-	16000	JD	11.74		ug/Kg
1587048	Benzene, 1-methyl-2-(2-propenyl)-	23000	JD	11.88		ug/Kg
18321363	Benzene, (1,1-dimethyl-2-propenyl)-	12000	JD	12.22		ug/Kg
6682060	1H-Indene, 2,3-dihydro-4,5,7-trimethyl-	11000	JD	12.96		ug/Kg
90120	Naphthalene, 1-methyl-	12000	JD	13.55		ug/Kg

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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-70	SDG No.:	S4962
Lab Sample ID:	S4962-10	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100953.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.3	U	34	8.3	ug/Kg
74-87-3	Chloromethane	2.2	U	34	2.2	ug/Kg
75-01-4	Vinyl chloride	1.6	U	34	1.6	ug/Kg
74-83-9	Bromomethane	4.8	U	34	4.8	ug/Kg
75-00-3	Chloroethane	3.5 UJ	U	34	3.5	ug/Kg
75-69-4	Trichlorofluoromethane	17	U	34	17	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.1	U	34	3.1	ug/Kg
75-35-4	1,1-Dichloroethene	1.5	U	34	1.5	ug/Kg
67-64-1	Acetone	170	J	170	50	ug/Kg
75-15-0	Carbon disulfide	0.68	U	34	0.68	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.5	U	34	1.5	ug/Kg
79-20-9	Methyl Acetate	8.6	U	34	8.6	ug/Kg
75-09-2	Methylene Chloride	4.6 UJ	U	34	4.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	34	2.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.4	U	34	2.4	ug/Kg
110-82-7	Cyclohexane	140		34	2.1	ug/Kg
78-93-3	2-Butanone	15	U	170	15	ug/Kg
56-23-5	Carbon Tetrachloride	2.0	U	34	2.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.4	U	34	2.4	ug/Kg
67-66-3	Chloroform	1.6	U	34	1.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.8	U	34	1.8	ug/Kg
108-87-2	Methylcyclohexane	1000		34	2.4	ug/Kg
71-43-2	Benzene	1.4	U	34	1.4	ug/Kg
107-06-2	1,2-Dichloroethane	21	U	34	21	ug/Kg
79-01-6	Trichloroethene	2.2	U	34	2.2	ug/Kg
78-87-5	1,2-Dichloropropane	2.3	U	34	2.3	ug/Kg
75-27-4	Bromodichloromethane	2.2	U	34	2.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	170	16	ug/Kg
108-88-3	Toluene	1.8	U	34	1.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1.7 UJ	U	34	1.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.3	U	34	1.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.4	U	34	3.4	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-70	SDG No.:	S4962
Lab Sample ID:	S4962-10	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100953.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	22	U	170	22	ug/Kg
124-48-1	Dibromochloromethane	2.0	U	34	2.0	ug/Kg
106-93-4	1,2-Dibromoethane	2.8	U	34	2.8	ug/Kg
127-18-4	Tetrachloroethene	4.3	U	34	4.3	ug/Kg
108-90-7	Chlorobenzene	2.4	U	34	2.4	ug/Kg
100-41-4	Ethyl Benzene	1.7	U	34	1.7	ug/Kg
136777-61-2	m/p-Xylenes	3.5	U	34	3.5	ug/Kg
95-47-6	o-Xylene	2.9	U	34	2.9	ug/Kg
100-42-5	Styrene	2.1	U	34	2.1	ug/Kg
75-25-2	Bromoform	2.0	U	34	2.0	ug/Kg
98-82-8	Isopropylbenzene	170		34	2.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	34	3.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.4	U	34	1.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.4	U	34	2.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.8	U	34	2.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.6	U	34	4.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.7	U	34	1.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.76	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50	100 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	56.2	112 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	54.32	109 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286677	3.97			
540-36-3	1,4-Difluorobenzene	520125	4.57			
3114-55-4	Chlorobenzene-d5	405546	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	153247	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
1678917	Cyclohexane, ethyl-	1000	J	6.70		ug/Kg
3073663	Cyclohexane, 1,1,3-trimethyl-	1500	J	6.75		ug/Kg
1069530	Hexane, 2,3,5-trimethyl-	780	J	6.88		ug/Kg
1678815	Cyclohexane, 1,2,3-trimethyl-, (1.alpha	1100	J	6.92		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-70	SDG No.:	S4962
Lab Sample ID:	S4962-10	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Wol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100953.D	5	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3726474	Cyclopentane, 1-ethyl-3-methyl-	800	J	7.27		ug/Kg
3728549	Cyclohexane, 1-ethyl-2-methyl-	2300	J	7.31		ug/Kg
2207047	Cyclohexane, 1,4-dimethyl-, trans-	2100	J	7.51		ug/Kg
15869893	Octane, 2,5-dimethyl-	1700	J	7.55		ug/Kg
2051301	Octane, 2,6-dimethyl-	2700	J	7.64		ug/Kg
1678928	Cyclohexane, propyl-	4100	J	7.72		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-71	SDG No.:	S4962
Lab Sample ID:	S4962-11	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100959.D	1	10/10/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.7	U	6.8	1.7	ug/Kg
74-87-3	Chloromethane	0.45	U	6.8	0.45	ug/Kg
75-01-4	Vinyl chloride	0.32	U	6.8	0.32	ug/Kg
74-83-9	Bromomethane	0.96	U	6.8	0.96	ug/Kg
75-00-3	Chloroethane	0.71 UJ	U	6.8	0.71	ug/Kg
75-69-4	Trichlorofluoromethane	3.3	U	6.8	3.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.62	U	6.8	0.62	ug/Kg
75-35-4	1,1-Dichloroethene	0.29	U	6.8	0.29	ug/Kg
67-64-1	Acetone	67		34	10	ug/Kg
75-15-0	Carbon disulfide	0.14	U	6.8	0.14	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.31	U	6.8	0.31	ug/Kg
79-20-9	Methyl Acetate	1.7	U	6.8	1.7	ug/Kg
75-09-2	Methylene Chloride	2.5 J	J	6.8	0.92	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.50	U	6.8	0.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.48	U	6.8	0.48	ug/Kg
110-82-7	Cyclohexane	0.41	U	6.8	0.41	ug/Kg
78-93-3	2-Butanone	3.1	U	34	3.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.40	U	6.8	0.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	6.8	0.48	ug/Kg
67-66-3	Chloroform	3.0	J	6.8	0.32	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.37	U	6.8	0.37	ug/Kg
108-87-2	Methylcyclohexane	0.48	U	6.8	0.48	ug/Kg
71-43-2	Benzene	0.27	U	6.8	0.27	ug/Kg
107-06-2	1,2-Dichloroethane	4.2	U	6.8	4.2	ug/Kg
79-01-6	Trichloroethene	0.43	U	6.8	0.43	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	6.8	0.45	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	6.8	0.45	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.2	U	34	3.2	ug/Kg
108-88-3	Toluene	0.35	U	6.8	0.35	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.35 UJ	U	6.8	0.35	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.26	U	6.8	0.26	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	6.8	0.68	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-71	**SDG No.:**	S4962
Lab Sample ID:	S4962-11	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	26
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100959.D	1	10/10/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.3	U	34	4.3	ug/Kg
124-48-1	Dibromochloromethane	0.39	U	6.8	0.39	ug/Kg
106-93-4	1,2-Dibromoethane	0.56	U	6.8	0.56	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	6.8	0.86	ug/Kg
108-90-7	Chlorobenzene	0.48	U	6.8	0.48	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	6.8	0.34	ug/Kg
136777-61-2	m/p-Xylenes	0.69	U	6.8	0.69	ug/Kg
95-47-6	o-Xylene	0.58	U	6.8	0.58	ug/Kg
100-42-5	Styrene	0.42	U	6.8	0.42	ug/Kg
75-25-2	Bromoform	0.40	U	6.8	0.40	ug/Kg
98-82-8	Isopropylbenzene	0.50	U	6.8	0.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.71	U	6.8	0.71	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.29	U	6.8	0.29	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.47	U	6.8	0.47	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.55	U	6.8	0.55	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	6.8	0.91	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.34	U	6.8	0.34	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.06	86 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	61.49	123 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	59.67	119 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	44.62	89 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254522	3.98			
540-36-3	1,4-Difluorobenzene	493227	4.59			
3114-55-4	Chlorobenzene-d5	398412	7.12			
3855-82-1	1,4-Dichlorobenzene-d4	176279	8.58			
TENTITIVE IDENTIFIED COMPOUNDS						
54340873	1H-Indene, 2,3-dihydro-1,4,7-trimethyl-	30	J	9.74		ug/Kg
1985597	Naphthalene, 1,2,3,4-tetrahydro-1,1-dim	32	J	9.82		ug/Kg
102250	Benzene, 1,3,5-triethyl-	26	J	9.97		ug/Kg
2613765	1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	60	J	10.02		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-71	SDG No.:	S4962
Lab Sample ID:	S4962-11	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	26
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100959.D	1	10/10/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
4706905	Benzene, 1,3-dimethyl-5-(1-methylethy	25	J	10.11		ug/Kg
6682060	1H-Indene, 2,3-dihydro-4,5,7-trimethyl-	26	J	10.18		ug/Kg
25419334	Naphthalene, 1,2,3,4-tetrahydro-1,8-dim	42	J	10.24		ug/Kg
22531200	Naphthalene, 6-ethyl-1,2,3,4-tetrahydro-	31	J	10.35		ug/Kg
1129299	Benzene, 1-(1-methylethenyl)-3-(1-meth	28	J	10.40		ug/Kg
55255942	1,4-Methanonaphthalen-9-ol, 1,2,3,4-t	49	J	10.52		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	EB-1	SDG No.:	S4962
Lab Sample ID:	S4962-12	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Vol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD100634.D	1	10/6/2004	VD091004

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.33	U	5.0	0.33	ug/L
74-87-3	Chloromethane	0.68	U	5.0	0.68	ug/L
75-01-4	Vinyl chloride	0.27	U	5.0	0.27	ug/L
74-83-9	Bromomethane	0.78 UJ	U	5.0	0.78	ug/L
75-00-3	Chloroethane	0.88 UJ	U	5.0	0.88	ug/L
75-69-4	Trichlorofluoromethane	0.58	U	5.0	0.58	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	5.0	0.69	ug/L
75-35-4	1,1-Dichloroethene	0.32	U	5.0	0.32	ug/L
67-64-1	Acetone	3.3	U	25	3.3	ug/L
75-15-0	Carbon disulfide	0.39	U	5.0	0.39	ug/L
1634-04-4	Methyl tert-butyl Ether	0.36	U	5.0	0.36	ug/L
79-20-9	Methyl Acetate	0.83	U	5.0	0.83	ug/L
75-09-2	Methylene Chloride	9.4		5.0	0.62	ug/L
156-60-5	trans-1,2-Dichloroethene	0.51	U	5.0	0.51	ug/L
75-34-3	1,1-Dichloroethane	0.22	U	5.0	0.22	ug/L
110-82-7	Cyclohexane	0.37	U	5.0	0.37	ug/L
78-93-3	2-Butanone	2.8	U	25	2.8	ug/L
56-23-5	Carbon Tetrachloride	0.47	U	5.0	0.47	ug/L
156-59-2	cis-1,2-Dichloroethene	0.77	U	5.0	0.77	ug/L
67-66-3	Chloroform	0.58	U	5.0	0.58	ug/L
71-55-6	1,1,1-Trichloroethane	0.41	U	5.0	0.41	ug/L
108-87-2	Methylcyclohexane	0.58	U	5.0	0.58	ug/L
71-43-2	Benzene	0.24	U	5.0	0.24	ug/L
107-06-2	1,2-Dichloroethane	0.32	U	5.0	0.32	ug/L
79-01-6	Trichloroethene	0.67	U	5.0	0.67	ug/L
78-87-5	1,2-Dichloropropane	0.63	U	5.0	0.63	ug/L
75-27-4	Bromodichloromethane	0.35	U	5.0	0.35	ug/L
108-10-1	4-Methyl-2-Pentanone	1.3	U	25	1.3	ug/L
108-88-3	Toluene	2.6	J	5.0	0.39	ug/L
10061-02-6	t-1,3-Dichloropropene	0.42	U	5.0	0.42	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.15	U	5.0	0.15	ug/L
79-00-5	1,1,2-Trichloroethane	0.52	U	5.0	0.52	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	EB-1	SDG No.:	S4962
Lab Sample ID:	S4962-12	Matrix:	WATER
Analytical Method:	8260	% Moisture:	100
Sample Wt/Wol:	5.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD100634.D	1	10/6/2004	VD091004

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	0.66	U	25	0.66	ug/L
124-48-1	Dibromochloromethane	0.38	U	5.0	0.38	ug/L
106-93-4	1,2-Dibromoethane	0.63	U	5.0	0.63	ug/L
127-18-4	Tetrachloroethene	0.33	U	5.0	0.33	ug/L
108-90-7	Chlorobenzene	0.37	U	5.0	0.37	ug/L
100-41-4	Ethyl Benzene	0.41	U	5.0	0.41	ug/L
136777-61-2	m/p-Xylenes	0.96	U	5.0	0.96	ug/L
95-47-6	o-Xylene	0.37	U	5.0	0.37	ug/L
100-42-5	Styrene	0.34	U	5.0	0.34	ug/L
75-25-2	Bromoform	0.25	U	5.0	0.25	ug/L
98-82-8	Isopropylbenzene	0.33	U	5.0	0.33	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	ug/L
541-73-1	1,3-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
106-46-7	1,4-Dichlorobenzene	0.39	U	5.0	0.39	ug/L
95-50-1	1,2-Dichlorobenzene	0.37	U	5.0	0.37	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.94	U	5.0	0.94	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.4	87 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.32	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.97	92 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	246066	4.25			
540-36-3	1,4-Difluorobenzene	383751	4.95			
3114-55-4	Chlorobenzene-d5	254777	8.21			
3855-82-1	1,4-Dichlorobenzene-d4	143297	10.39			

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74	SDG No.:	S4962
Lab Sample ID:	S4962-13	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100955.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16	U	63	16	ug/Kg
74-87-3	Chloromethane	4.2	U	63	4.2	ug/Kg
75-01-4	Vinyl chloride	3.0	U	63	3.0	ug/Kg
74-83-9	Bromomethane	9.0	U	63	9.0	ug/Kg
75-00-3	Chloroethane	6.6 UJ	U	63	6.6	ug/Kg
75-69-4	Trichlorofluoromethane	31	U	63	31	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U	63	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	63	2.7	ug/Kg
67-64-1	Acetone	94	U	320	94	ug/Kg
75-15-0	Carbon disulfide	1.3	U	63	1.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	63	2.9	ug/Kg
79-20-9	Methyl Acetate	16	U	63	16	ug/Kg
75-09-2	Methylene Chloride	8.6 UJ	U	63	8.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.7	U	63	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	4.5	U	63	4.5	ug/Kg
110-82-7	Cyclohexane	18000 J	E	63	3.9	ug/Kg
78-93-3	2-Butanone	29	U	320	29	ug/Kg
56-23-5	Carbon Tetrachloride	3.8 UJ	U	63	3.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.5	U	63	4.5	ug/Kg
67-66-3	Chloroform	3.0	U	63	3.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.4	U	63	3.4	ug/Kg
108-87-2	Methylcyclohexane	23000 J	E	63	4.5	ug/Kg
71-43-2	Benzene	39000 J	E	63	2.6	ug/Kg
107-06-2	1,2-Dichloroethane	39 UJ	U	63	39	ug/Kg
79-01-6	Trichloroethene	4.1 UJ	U	63	4.1	ug/Kg
78-87-5	1,2-Dichloropropane	4.2	U	63	4.2	ug/Kg
75-27-4	Bromodichloromethane	4.2	U	63	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	320	30	ug/Kg
108-88-3	Toluene	3.3	U	63	3.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.2 UJ	U	63	3.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.5 UJ	U	63	2.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.4 UJ	U	63	6.4	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74	SDG No.:	S4962
Lab Sample ID:	S4962-13	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100955.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	40 U J	U	320	40	ug/Kg
124-48-1	Dibromochloromethane	3.7	U	63	3.7	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	63	5.3	ug/Kg
127-18-4	Tetrachloroethene	8.0	U	63	8.0	ug/Kg
108-90-7	Chlorobenzene	4.5	U	63	4.5	ug/Kg
100-41-4	Ethyl Benzene	1200000 J	E	63	3.2	ug/Kg
136777-61-2	m/p-Xylenes	860000 J	E	63	6.5	ug/Kg
95-47-6	o-Xylene	280000 J	E	63	5.5	ug/Kg
100-42-5	Styrene	4.0 U J	U	63	4.0	ug/Kg
75-25-2	Bromoform	3.8 U J	U	63	3.8	ug/Kg
98-82-8	Isopropylbenzene	67000 J	E	63	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.7 U J	U	63	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	63	2.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.4	U	63	4.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.2	U	63	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.6	U	63	8.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.2	U	63	3.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.38	103 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	2350.86	4702 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	15628.43	31257 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	24977.7	49955 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	442795	3.97			
540-36-3	1,4-Difluorobenzene	8736	4.70			
3114-55-4	Chlorobenzene-d5	7862	7.23			
3855-82-1	1,4-Dichlorobenzene-d4	27089	8.55			
TENTITIVE IDENTIFIED COMPOUNDS						
107835	Pentane, 2-methyl-	1400	J	2.73		ug/Kg
96377	Cyclopentane, methyl-	1500	J	3.54		ug/Kg
589344	Hexane, 3-methyl-	2400	J	4.52		ug/Kg
592278	Heptane, 2-methyl-	3400	J	5.62		ug/Kg

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74	SDG No.:	S4962
Lab Sample ID:	S4962-13	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	5.0 Units: g	Soil Extract Vol:	uL
Soil Aliquot Vol:	mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100955.D	10	10/9/2004	VK100404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
2213232	Heptane, 2,4-dimethyl-	1200	J	6.15		ug/Kg
3073663	Cyclohexane, 1,1,3-trimethyl-	920	J	6.81		ug/Kg
111842	Nonane	890	J	7.00		ug/Kg
15869804	Heptane, 3-ethyl-	3400	J	7.91		ug/Kg
611143	Benzene, 1-ethyl-2-methyl-	2000	J	8.27		ug/Kg
526738	Benzene, 1,2,3-trimethyl-	1600	J	8.61		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL	SDG No.:	S4962
Lab Sample ID:	S4962-13DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100646.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	53	UD	790	53	ug/Kg
74-87-3	Chloromethane	110	UD	790	110	ug/Kg
75-01-4	Vinyl chloride	42	UD	790	42	ug/Kg
74-83-9	Bromomethane	120	UD	790	120	ug/Kg
75-00-3	Chloroethane	140	UD	790	140	ug/Kg
75-69-4	Trichlorofluoromethane	91 UJ	UD	790	91	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110 UJ	UD	790	110	ug/Kg
75-35-4	1,1-Dichloroethene	51	UD	790	51	ug/Kg
67-64-1	Acetone	520 UJ	UD	4000	520	ug/Kg
75-15-0	Carbon disulfide	62 UJ	UD	790	62	ug/Kg
1634-04-4	Methyl tert-butyl Ether	57	UD	790	57	ug/Kg
79-20-9	Methyl Acetate	130	UD	790	130	ug/Kg
75-09-2	Methylene Chloride	98	UD	790	98	ug/Kg
156-60-5	trans-1,2-Dichloroethene	81	UD	790	81	ug/Kg
75-34-3	1,1-Dichloroethane	34	UD	790	34	ug/Kg
110-82-7	Cyclohexane	51000	ED	790	58	ug/Kg
78-93-3	2-Butanone	450	UD	4000	450	ug/Kg
56-23-5	Carbon Tetrachloride	74	UD	790	74	ug/Kg
156-59-2	cis-1,2-Dichloroethene	120	UD	790	120	ug/Kg
67-66-3	Chloroform	91	UD	790	91	ug/Kg
71-55-6	1,1,1-Trichloroethane	65	UD	790	65	ug/Kg
108-87-2	Methyl Cyclohexane	91000 J	ED	790	92	ug/Kg
71-43-2	Benzene	38	UD	790	38	ug/Kg
107-06-2	1,2-Dichloroethane	51	UD	790	51	ug/Kg
79-01-6	Trichloroethene	110	UD	790	110	ug/Kg
78-87-5	1,2-Dichloropropane	50	UD	790	50	ug/Kg
75-27-4	Bromodichloromethane	55	UD	790	55	ug/Kg
108-10-1	4-Methyl-2-Pentanone	210	UD	4000	210	ug/Kg
108-88-3	Toluene	2500	D	790	61	ug/Kg
10061-02-6	t-1,3-Dichloropropene	67	UD	790	67	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	24	UD	790	24	ug/Kg
79-00-5	1,1,2-Trichloroethane	82	UD	790	82	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL	SDG No.:	S4962
Lab Sample ID:	S4962-13DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100646.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	100 UJ	UD	4000	100	ug/Kg
124-48-1	Dibromochloromethane	60	UD	790	60	ug/Kg
106-93-4	1,2-Dibromoethane	100	UD	790	100	ug/Kg
127-18-4	Tetrachloroethene	52	UD	790	52	ug/Kg
108-90-7	Chlorobenzene	58	UD	790	58	ug/Kg
100-41-4	Ethyl Benzene	27000	D	790	65	ug/Kg
136777-61-2	m&p-Xylenes	83000	ED	1600	150	ug/Kg
95-47-6	o-Xylene	4700	D	790	58	ug/Kg
100-42-5	Styrene	54	UD	790	54	ug/Kg
75-25-2	Bromoform	40 UJ	UD	790	40	ug/Kg
98-82-8	Isopropylbenzene	8000	D	790	53	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	78	UD	790	78	ug/Kg
541-73-1	1,3-Dichlorobenzene	59	UD	790	59	ug/Kg
106-46-7	1,4-Dichlorobenzene	61	UD	790	61	ug/Kg
95-50-1	1,2-Dichlorobenzene	58	UD	790	58	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	150	UD	790	150	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	45	UD	790	45	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.99	102 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	41.52	83 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	49.27	99 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	55.28	111 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1775415	5.04			
540-36-3	1,4-Difluorobenzene	2952987	5.56			
3114-55-4	Chlorobenzene-d5	2029094	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	610065	10.69			
TENTITIVE IDENTIFIED COMPOUNDS						
110543	Hexane	24000	JD	3.31		ug/Kg
142825	Heptane	35000	JD	4.94		ug/Kg
1678917	Cyclohexane, ethyl-	18000	JD	7.70		ug/Kg
2216344	Octane, 4-methyl-	24000	JD	8.04		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL	SDG No.:	S4962
Lab Sample ID:	S4962-13DL	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100646.D	1	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
2216333	Octane, 3-methyl-	17000	JD	8.17		ug/Kg
2051301	Octane, 2,6-dimethyl-	17000	JD	9.07		ug/Kg
17301949	Nonane, 4-methyl-	23000	JD	9.39		ug/Kg
589902	Cyclohexane, 1,4-dimethyl-	24000	JD	9.81		ug/Kg
622968	Benzene, 1-ethyl-4-methyl-	21000	JD	9.93		ug/Kg
526738	Benzene, 1,2,3-trimethyl-	28000	JD	10.34		ug/Kg

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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL2	SDG No.:	S4962
Lab Sample ID:	S4962-13DL2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100645.D	25	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1300	UD	20000	1300	ug/Kg
74-87-3	Chloromethane	2700	UD	20000	2700	ug/Kg
75-01-4	Vinyl chloride	1100	UD	20000	1100	ug/Kg
74-83-9	Bromomethane	3100	UD	20000	3100	ug/Kg
75-00-3	Chloroethane	3500	UD	20000	3500	ug/Kg
75-69-4	Trichlorofluoromethane	2300 UJ	UD	20000	2300	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2700 UJ	UD	20000	2700	ug/Kg
75-35-4	1,1-Dichloroethene	1300	UD	20000	1300	ug/Kg
67-64-1	Acetone	13000 UJ	UD	99000	13000	ug/Kg
75-15-0	Carbon disulfide	1500 UJ	UD	20000	1500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1400	UD	20000	1400	ug/Kg
79-20-9	Methyl Acetate	3300	UD	20000	3300	ug/Kg
75-09-2	Methylene Chloride	2500	UD	20000	2500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000	UD	20000	2000	ug/Kg
75-34-3	1,1-Dichloroethane	850	UD	20000	850	ug/Kg
110-82-7	Cyclohexane	38000	D	20000	1500	ug/Kg
78-93-3	2-Butanone	11000	UD	99000	11000	ug/Kg
56-23-5	Carbon Tetrachloride	1900	UD	20000	1900	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3000	UD	20000	3000	ug/Kg
67-66-3	Chloroform	2300	UD	20000	2300	ug/Kg
71-55-6	1,1,1-Trichloroethane	1600	UD	20000	1600	ug/Kg
108-87-2	Methyl Cyclohexane	72000 J	D	20000	2300	ug/Kg
71-43-2	Benzene	950	UD	20000	950	ug/Kg
107-06-2	1,2-Dichloroethane	1300	UD	20000	1300	ug/Kg
79-01-6	Trichloroethene	2700	UD	20000	2700	ug/Kg
78-87-5	1,2-Dichloropropane	1300	UD	20000	1300	ug/Kg
75-27-4	Bromodichloromethane	1400	UD	20000	1400	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5200	UD	99000	5200	ug/Kg
108-88-3	Toluene	1500	UD	20000	1500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	1700	UD	20000	1700	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	600	UD	20000	600	ug/Kg
79-00-5	1,1,2-Trichloroethane	2000	UD	20000	2000	ug/Kg

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RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL2	SDG No.:	S4962
Lab Sample ID:	S4962-13DL2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100645.D	25	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	2600 UJ	UD	99000	2600	ug/Kg
124-48-1	Dibromochloromethane	1500	UD	20000	1500	ug/Kg
106-93-4	1,2-Dibromoethane	2500	UD	20000	2500	ug/Kg
127-18-4	Tetrachloroethene	1300	UD	20000	1300	ug/Kg
108-90-7	Chlorobenzene	1500	UD	20000	1500	ug/Kg
100-41-4	Ethyl Benzene	14000	JD	20000	1600	ug/Kg
136777-61-2	m&p-Xylenes	45000	D	40000	3800	ug/Kg
95-47-6	o-Xylene	1500	UD	20000	1500	ug/Kg
100-42-5	Styrene	1400	UD	20000	1400	ug/Kg
75-25-2	Bromoform	1000 UJ	UD	20000	1000	ug/Kg
98-82-8	Isopropylbenzene	4200	JD	20000	1300	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000	UD	20000	2000	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500	UD	20000	1500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500	UD	20000	1500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400	UD	20000	1400	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3700	UD	20000	3700	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100	UD	20000	1100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	954	76 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	1160.25	93 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	1134.5	91 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	1265.25	101 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1669723	5.04			
540-36-3	1,4-Difluorobenzene	2779731	5.57			
3114-55-4	Chlorobenzene-d5	1945896	8.61			
3855-82-1	1,4-Dichlorobenzene-d4	602832	10.70			
TENTITIVE IDENTIFIED COMPOUNDS						
109660	Pentane	56000	JD	2.26		ug/Kg
107835	Pentane, 2-methyl-	52000	JD	2.95		ug/Kg
110543	Hexane	93000	JD	3.33		ug/Kg
96377	Cyclopentane, methyl-	62000	JD	3.84		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74DL2	SDG No.:	S4962
Lab Sample ID:	S4962-13DL2	Matrix:	SOIL
Analytical Method:	8260	% Moisture:	21
Sample Wt/Vol:	4.0 Units: g	Soil Extract Vol:	10000 uL
Soil Aliquot Vol:	100 mL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100645.D	25	10/7/2004	VH091704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
142825	Heptane	90000	JD	4.94		ug/Kg
611143	Benzene, 1-ethyl-2-methyl-	55000	JD	9.93		ug/Kg
108678	Benzene, 1,3,5-trimethyl-	65000	JD	10.34		ug/Kg
	Unknown	56000	JD	10.85		ug/Kg
4292926	Cyclohexane, pentyl-	42000	JD	11.30		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-63	**SDG No.:**	S4962
Lab Sample ID:	S4962-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Wol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015700.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	37 U J	U	370	37	ug/Kg
108-95-2	Phenol	16	U	370	16	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	18 U J	U	370	18	ug/Kg
95-57-8	2-Chlorophenol	16	U	370	16	ug/Kg
95-48-7	2-Methylphenol	24	U	370	24	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	20	U	370	20	ug/Kg
98-86-2	Acetophenone	20	U	370	20	ug/Kg
106-44-5	3+4-Methylphenols	17	U	370	17	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	17	U	370	17	ug/Kg
67-72-1	Hexachloroethane	18	U	370	18	ug/Kg
98-95-3	Nitrobenzene	19	U	370	19	ug/Kg
78-59-1	Isophorone	14	U	370	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	370	15	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	370	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	370	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	370	13	ug/Kg
91-20-3	Naphthalene	8.1	U	370	8.1	ug/Kg
106-47-8	4-Chloroaniline	140	U	370	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	370	13	ug/Kg
105-60-2	Caprolactam	14	U	370	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	370	11	ug/Kg
91-57-6	2-Methylnaphthalene	6.4	U	370	6.4	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.4 U J	U	370	9.4	ug/Kg
88-06-2	2,4,6-Trichlorophenol	14	U	370	14	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25	U	940	25	ug/Kg
92-52-4	1,1-Biphenyl	11	U	370	11	ug/Kg
91-58-7	2-Chloronaphthalene	7.8	U	370	7.8	ug/Kg
88-74-4	2-Nitroaniline	14 U J	U	940	14	ug/Kg
131-11-3	Dimethylphthalate	8.9	U	370	8.9	ug/Kg
208-96-8	Acenaphthylene	11	U	370	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	370	16	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-63	**SDG No.:**	S4962
Lab Sample ID:	S4962-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Vol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015700.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	60	U	940	60	ug/Kg
83-32-9	Acenaphthene	8.3	U	370	8.3	ug/Kg
51-28-5	2,4-Dinitrophenol	17	U	940	17	ug/Kg
100-02-7	4-Nitrophenol	37 U J	U	940	37	ug/Kg
132-64-9	Dibenzofuran	12	U	370	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.5	U	370	7.5	ug/Kg
84-66-2	Diethylphthalate	12	U	370	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.3	U	370	9.3	ug/Kg
86-73-7	Fluorene	11	U	370	11	ug/Kg
100-01-6	4-Nitroaniline	29	U	940	29	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	940	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.5	U	370	9.5	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.8	U	370	9.8	ug/Kg
118-74-1	Hexachlorobenzene	7.0	U	370	7.0	ug/Kg
1912-24-9	Atrazine	11	U	370	11	ug/Kg
87-86-5	Pentachlorophenol	12	U	940	12	ug/Kg
85-01-8	Phenanthrene	8.4	U	370	8.4	ug/Kg
120-12-7	Anthracene	8.9	U	370	8.9	ug/Kg
86-74-8	Carbazole	8.3	U	370	8.3	ug/Kg
84-74-2	Di-n-butylphthalate	5.0	U	370	5.0	ug/Kg
206-44-0	Fluoranthene	5.2	U	370	5.2	ug/Kg
129-00-0	Pyrene	6.7	U	370	6.7	ug/Kg
85-68-7	Butylbenzylphthalate	13	U	370	13	ug/Kg
91-94-1	3,3-Dichlorobenzidine	60	U	370	60	ug/Kg
56-55-3	Benzo(a)anthracene	5.7	U	370	5.7	ug/Kg
218-01-9	Chrysene	12	U	370	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	67 U J		370	8.6	ug/Kg
117-84-0	Di-n-octyl phthalate	8.9	U	370	8.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	20 U J	U	370	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	13 R	U	370	13	ug/Kg
50-32-8	Benzo(a)pyrene	6.4	U	370	6.4	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-63	**SDG No.:**	S4962
Lab Sample ID:	S4962-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Wol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015700.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	9.0	U	370	9.0	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	370	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16	U	370	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	257.14	86 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	241.62	81 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	161.44	81 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	159.23	80 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	261.46	87 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	178.83	89 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	117191	2.84			
1146-65-2	Naphthalene-d8	448960	3.62			
15067-26-2	Acenaphthene-d10	267462	4.70			
1517-22-2	Phenanthrene-d10	446789	5.62			
1719-03-5	Chrysene-d12	427273	7.44			
1520-96-3	Perylene-d12	439818	8.57			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~780~~	~~AB~~	~~1.79~~		ug/Kg
57103	Hexadecanoic acid	680	J	5.96		ug/Kg
74685306	5-Eicosene, (E)-	390	J	7.27		ug/Kg
106285	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	120	J	8.04		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-62	**SDG No.:**	S4962
Lab Sample ID:	S4962-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015709.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	36 U J	U	370	36	ug/Kg
108-95-2	Phenol	15	U	370	15	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	18 U J	U	370	18	ug/Kg
95-57-8	2-Chlorophenol	16	U	370	16	ug/Kg
95-48-7	2-Methylphenol	23	U	370	23	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	20	U	370	20	ug/Kg
98-86-2	Acetophenone	19	U	370	19	ug/Kg
106-44-5	3+4-Methylphenols	17	U	370	17	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	16	U	370	16	ug/Kg
67-72-1	Hexachloroethane	18	U	370	18	ug/Kg
98-95-3	Nitrobenzene	19	U	370	19	ug/Kg
78-59-1	Isophorone	14	U	370	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	370	15	ug/Kg
105-67-9	2,4-Dimethylphenol	20	U	370	20	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	370	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	370	13	ug/Kg
91-20-3	Naphthalene	8.0	U	370	8.0	ug/Kg
106-47-8	4-Chloroaniline	140	U	370	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	370	13	ug/Kg
105-60-2	Caprolactam	14	U	370	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	370	11	ug/Kg
91-57-6	2-Methylnaphthalene	6.3	U	370	6.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	9.2 U J	U	370	9.2	ug/Kg
88-06-2	2,4,6-Trichlorophenol	13	U	370	13	ug/Kg
95-95-4	2,4,5-Trichlorophenol	24	U	920	24	ug/Kg
92-52-4	1,1-Biphenyl	11	U	370	11	ug/Kg
91-58-7	2-Chloronaphthalene	7.7	U	370	7.7	ug/Kg
88-74-4	2-Nitroaniline	13 U J	U	920	13	ug/Kg
131-11-3	Dimethylphthalate	8.8	U	370	8.8	ug/Kg
208-96-8	Acenaphthylene	11	U	370	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	370	16	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-62	SDG No.:	S4962
Lab Sample ID:	S4962-02	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	11
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015709.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	59	U	920	59	ug/Kg
83-32-9	Acenaphthene	8.1	U	370	8.1	ug/Kg
51-28-5	2,4-Dinitrophenol	16	U	920	16	ug/Kg
100-02-7	4-Nitrophenol	36 UJ	U	920	36	ug/Kg
132-64-9	Dibenzofuran	12	U	370	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.3	U	370	7.3	ug/Kg
84-66-2	Diethylphthalate	12	U	370	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.1	U	370	9.1	ug/Kg
86-73-7	Fluorene	41	J	370	10	ug/Kg
100-01-6	4-Nitroaniline	29	U	920	29	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21	U	920	21	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.3	U	370	9.3	ug/Kg
101-55-3	4-Bromophenyl-phenylether	9.7	U	370	9.7	ug/Kg
118-74-1	Hexachlorobenzene	6.9	U	370	6.9	ug/Kg
1912-24-9	Atrazine	11	U	370	11	ug/Kg
87-86-5	Pentachlorophenol	11	U	920	11	ug/Kg
85-01-8	Phenanthrene	180	J	370	8.2	ug/Kg
120-12-7	Anthracene	43	J	370	8.8	ug/Kg
86-74-8	Carbazole	8.1	U	370	8.1	ug/Kg
84-74-2	Di-n-butylphthalate	4.9	U	370	4.9	ug/Kg
206-44-0	Fluoranthene	170	J	370	5.1	ug/Kg
129-00-0	Pyrene	150	J	370	6.6	ug/Kg
85-68-7	Butylbenzylphthalate	12	U	370	12	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59	U	370	59	ug/Kg
56-55-3	Benzo(a)anthracene	95	J	370	5.6	ug/Kg
218-01-9	Chrysene	93	J	370	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	120 U J		370	8.5	ug/Kg
117-84-0	Di-n-octyl phthalate	8.8	U	370	8.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	100 J	J	370	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	48 J	J	370	13	ug/Kg
50-32-8	Benzo(a)pyrene	77	J	370	6.3	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-62	**SDG No.:**	S4962
Lab Sample ID:	S4962-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015709.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	45	J	370	8.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	370	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59	J	370	16	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	245.57	82 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	249.3	83 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	167.13	84 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	168.29	84 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	234.66	78 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	173.99	87 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119781	2.84			
1146-65-2	Naphthalene-d8	459704	3.62			
15067-26-2	Acenaphthene-d10	274710	4.70			
1517-22-2	Phenanthrene-d10	455767	5.62			
1719-03-5	Chrysene-d12	452696	7.44			
1520-96-3	Perylene-d12	471938	8.56			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~760~~	~~AB~~	~~1.78~~		ug/Kg
629505	Tridecane	120	J	3.96		ug/Kg
544763	Hexadecane	110	J	4.93		ug/Kg
10544500	Sulfur, mol. (S8)	110	J	5.91		ug/Kg
57103	Hexadecanoic acid	940	J	5.96		ug/Kg
27410555	8,9-Dihydrocyclopenta[def]phenan	130	J	6.02		ug/Kg
612942	Naphthalene, 2-phenyl-	81	J	6.13		ug/Kg
297030	Cyclotetracosane	440	J	7.28		ug/Kg
629787	Heptadecane	89	J	7.74		ug/Kg
502625	.Psi.,.psi.-Carotene, 7,7,8,8,11,11,1	130	J	8.04		ug/Kg
18110866	5-Hydroxy-4-methoxy-6H-indolo[3	75	J	8.76		ug/Kg
56554780	7-Heptadecene, 1-chloro-	160	J	8.85		ug/Kg
22389873	Pyrido[3,4-d]pyrimidine-2,4(1H,3	77	J	9.17		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-64	**SDG No.:**	S4962
Lab Sample ID:	S4962-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	25
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015802.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	4300 U J	U	43000	4300	ug/Kg
108-95-2	Phenol	1800	U	43000	1800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2100	U	43000	2100	ug/Kg
95-57-8	2-Chlorophenol	1900	U	43000	1900	ug/Kg
95-48-7	2-Methylphenol	2800	U	43000	2800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2400	U	43000	2400	ug/Kg
98-86-2	Acetophenone	2300	U	43000	2300	ug/Kg
106-44-5	3+4-Methylphenols	2000	U	43000	2000	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1900	U	43000	1900	ug/Kg
67-72-1	Hexachloroethane	2100	U	43000	2100	ug/Kg
98-95-3	Nitrobenzene	2200	U	43000	2200	ug/Kg
78-59-1	Isophorone	1600	U	43000	1600	ug/Kg
88-75-5	2-Nitrophenol	1800	U	43000	1800	ug/Kg
105-67-9	2,4-Dimethylphenol	2400	U	43000	2400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000	U	43000	2000	ug/Kg
120-83-2	2,4-Dichlorophenol	1500	U	43000	1500	ug/Kg
91-20-3	Naphthalene	950	U	43000	950	ug/Kg
106-47-8	4-Chloroaniline	16000	U	43000	16000	ug/Kg
87-68-3	Hexachlorobutadiene	1500	U	43000	1500	ug/Kg
105-60-2	Caprolactam	1600	U	43000	1600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300	U	43000	1300	ug/Kg
91-57-6	2-Methylnaphthalene	200000 J		43000	750	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100 U J	U	43000	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600	U	43000	1600	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2900	U	110000	2900	ug/Kg
92-52-4	1,1-Biphenyl	1300	U	43000	1300	ug/Kg
91-58-7	2-Chloronaphthalene	910	U	43000	910	ug/Kg
88-74-4	2-Nitroaniline	1600	U	110000	1600	ug/Kg
131-11-3	Dimethylphthalate	1000	U	43000	1000	ug/Kg
208-96-8	Acenaphthylene	1300	U	43000	1300	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900	U	43000	1900	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-64	**SDG No.:**	S4962
Lab Sample ID:	S4962-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	25
Sample Wt/Vol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015802.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	7000 U J	U	110000	7000	ug/Kg
83-32-9	Acenaphthene	20000 J	J	43000	960	ug/Kg
51-28-5	2,4-Dinitrophenol	1900 U J	U	110000	1900	ug/Kg
100-02-7	4-Nitrophenol	4300	U	110000	4300	ug/Kg
132-64-9	Dibenzofuran	1400	U	43000	1400	ug/Kg
121-14-2	2,4-Dinitrotoluene	870	U	43000	870	ug/Kg
84-66-2	Diethylphthalate	1400	U	43000	1400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	U	43000	1100	ug/Kg
86-73-7	Fluorene	25000 J	J	43000	1200	ug/Kg
100-01-6	4-Nitroaniline	3400 U J	U	110000	3400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500	U	110000	2500	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1100	U	43000	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100	U	43000	1100	ug/Kg
118-74-1	Hexachlorobenzene	820	U	43000	820	ug/Kg
1912-24-9	Atrazine	1300	U	43000	1300	ug/Kg
87-86-5	Pentachlorophenol	1400	U	110000	1400	ug/Kg
85-01-8	Phenanthrene	49000 J		43000	970	ug/Kg
120-12-7	Anthracene	22000 J	J	43000	1000	ug/Kg
86-74-8	Carbazole	960 U J	U	43000	960	ug/Kg
84-74-2	Di-n-butylphthalate	580 U J	U	43000	580	ug/Kg
206-44-0	Fluoranthene	610 U J	U	43000	610	ug/Kg
129-00-0	Pyrene	7400 J	J	43000	780	ug/Kg
85-68-7	Butylbenzylphthalate	1500 U J	U	43000	1500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	7000	U	43000	7000	ug/Kg
56-55-3	Benzo(a)anthracene	660	U	43000	660	ug/Kg
218-01-9	Chrysene	1400	U	43000	1400	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U	43000	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	1000	U	43000	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	U	43000	2300	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500	U	43000	1500	ug/Kg
50-32-8	Benzo(a)pyrene	750	U	43000	750	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-64	**SDG No.:**	S4962
Lab Sample ID:	S4962-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	25
Sample Wt/Wol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015802.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U J U	43000	1100	ug/Kg
53-70-3	Dibenz(a,h)anthracene	1300	U	43000	1300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900	U	43000	1900	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	27.5	9 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	9	3 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	65.5	33 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	116	58 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	124	41 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	117	58 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	96214	2.83			
1146-65-2	Naphthalene-d8	445749	3.61			
15067-26-2	Acenaphthene-d10	281754	4.69			
1517-22-2	Phenanthrene-d10	432397	5.62			
1719-03-5	Chrysene-d12	366475	7.50			
1520-96-3	Perylene-d12	259364	8.66			
TENTITIVE IDENTIFIED COMPOUNDS						
934747	Benzene, 1-ethyl-3,5-dimethyl-	65000	J	3.02		ug/Kg
26730143	Tridecane, 7-methyl-	61000	J	3.84		ug/Kg
5557937	Benzene, 1-(1-methylethenyl)-2-(1	65000	J	3.98		ug/Kg
3891983	Dodecane, 2,6,10-trimethyl-	77000	J	4.21		ug/Kg
575439	Naphthalene, 1,6-dimethyl-	100000	J	4.43		ug/Kg
	Unknown	110000	J	4.48		ug/Kg
581408	Naphthalene, 2,3-dimethyl-	77000	J	4.55		ug/Kg
13303703	1-Indolinecarboxaldehyde, 2-hydro:	100000	J	4.59		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	94000	J	4.81		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	91000	J	4.83		ug/Kg
2245387	Naphthalene, 1,6,7-trimethyl-	68000	J	4.88		ug/Kg
	Unknown	63000	J	4.90		ug/Kg
	Unknown	120000	J	4.93		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-64	SDG No.:	S4962
Lab Sample ID:	S4962-03	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	25
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015802.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
7391619	2,4,6(1H,3H,5H)-Pyrimidinetrione,	56000	J	5.12		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	100000	J	5.30		ug/Kg
613332	4,4-Dimethylbiphenyl	250000	J	5.38		ug/Kg
	Unknown	180000	J	5.44		ug/Kg
638368	Hexadecane, 2,6,10,14-tetramethy	140000	J	5.51		ug/Kg
613127	Anthracene, 2-methyl-	54000	J	5.96		ug/Kg
1961962	1H-Indene, 1-phenyl-	96000	J	6.01		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-76	SDG No.:	S4962
Lab Sample ID:	S4962-04	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	25
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015715.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	43 U J	U	440	43	ug/Kg
108-95-2	Phenol	18	U	440	18	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	22 U J	U	440	22	ug/Kg
95-57-8	2-Chlorophenol	19	U	440	19	ug/Kg
95-48-7	2-Methylphenol	28	U	440	28	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	24	U	440	24	ug/Kg
98-86-2	Acetophenone	23	U	440	23	ug/Kg
106-44-5	3+4-Methylphenols	20	U	440	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	19	U	440	19	ug/Kg
67-72-1	Hexachloroethane	21	U	440	21	ug/Kg
98-95-3	Nitrobenzene	22	U	440	22	ug/Kg
78-59-1	Isophorone	16	U	440	16	ug/Kg
88-75-5	2-Nitrophenol	18	U	440	18	ug/Kg
105-67-9	2,4-Dimethylphenol	24	U	440	24	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	20	U	440	20	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	440	15	ug/Kg
91-20-3	Naphthalene	630		440	9.5	ug/Kg
106-47-8	4-Chloroaniline	160	U	440	160	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	440	15	ug/Kg
105-60-2	Caprolactam	16	U	440	16	ug/Kg
59-50-7	4-Chloro-3-methylphenol	13	U	440	13	ug/Kg
91-57-6	2-Methylnaphthalene	2800		440	7.5	ug/Kg
77-47-4	Hexachlorocyclopentadiene	11 U J	U	440	11	ug/Kg
88-06-2	2,4,6-Trichlorophenol	16	U	440	16	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29	U	1100	29	ug/Kg
92-52-4	1,1-Biphenyl	280	J	440	13	ug/Kg
91-58-7	2-Chloronaphthalene	9.1	U	440	9.1	ug/Kg
88-74-4	2-Nitroaniline	16 U J	U	1100	16	ug/Kg
131-11-3	Dimethylphthalate	10	U	440	10	ug/Kg
208-96-8	Acenaphthylene	13	U	440	13	ug/Kg
606-20-2	2,6-Dinitrotoluene	19	U	440	19	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-76	**SDG No.:**	S4962
Lab Sample ID:	S4962-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	25
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015715.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	71	U	1100	71	ug/Kg
83-32-9	Acenaphthene	280	J	440	9.7	ug/Kg
51-28-5	2,4-Dinitrophenol	19	U	1100	19	ug/Kg
100-02-7	4-Nitrophenol	43 UJ	U	1100	43	ug/Kg
132-64-9	Dibenzofuran	14	U	440	14	ug/Kg
121-14-2	2,4-Dinitrotoluene	8.7	U	440	8.7	ug/Kg
84-66-2	Diethylphthalate	14	U	440	14	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	11	U	440	11	ug/Kg
86-73-7	Fluorene	460		440	12	ug/Kg
100-01-6	4-Nitroaniline	34	U	1100	34	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25	U	1100	25	ug/Kg
86-30-6	N-Nitrosodiphenylamine	11	U	440	11	ug/Kg
101-55-3	4-Bromophenyl-phenylether	12	U	440	12	ug/Kg
118-74-1	Hexachlorobenzene	8.2	U	440	8.2	ug/Kg
1912-24-9	Atrazine	13	U	440	13	ug/Kg
87-86-5	Pentachlorophenol	14	U	1100	14	ug/Kg
85-01-8	Phenanthrene	1600		440	9.8	ug/Kg
120-12-7	Anthracene	610		440	10	ug/Kg
86-74-8	Carbazole	9.7	U	440	9.7	ug/Kg
84-74-2	Di-n-butylphthalate	5.8	U	440	5.8	ug/Kg
206-44-0	Fluoranthene	150	J	440	6.1	ug/Kg
129-00-0	Pyrene	620		440	7.8	ug/Kg
85-68-7	Butylbenzylphthalate	15	U	440	15	ug/Kg
91-94-1	3,3-Dichlorobenzidine	70	U	440	70	ug/Kg
56-55-3	Benzo(a)anthracene	6.6	U	440	6.6	ug/Kg
218-01-9	Chrysene	14	U	440	14	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	110 U J		440	10	ug/Kg
117-84-0	Di-n-octyl phthalate	10	U	440	10	ug/Kg
205-99-2	Benzo(b)fluoranthene	23 UJ	U	440	23	ug/Kg
207-08-9	Benzo(k)fluoranthene	15 R	U	440	15	ug/Kg
50-32-8	Benzo(a)pyrene	7.5	U	440	7.5	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-76	SDG No.:	S4962
Lab Sample ID:	S4962-04	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	25
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015715.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	440	11	ug/Kg
53-70-3	Dibenz(a,h)anthracene	13	U	440	13	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19	U	440	19	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	236.16	79 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	241.2	80 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	155.06	78 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	146.58	73 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	175.07	58 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	166.1	83 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	129405	2.84			
1146-65-2	Naphthalene-d8	534619	3.62			
15067-26-2	Acenaphthene-d10	329303	4.70			
1517-22-2	Phenanthrene-d10	457640	5.63			
1719-03-5	Chrysene-d12	512292	7.52			
1520-96-3	Perylene-d12	477110	8.68			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~1300~~	~~AB~~	~~1.77~~		ug/Kg
934805	Benzene, 4-ethyl-1,2-dimethyl-	1900	J	3.03		ug/Kg
25155151	Benzene, methyl(1-methylethyl)-	1800	J	3.13		ug/Kg
527844	Benzene, 1-methyl-2-(1-methyleth	850	J	3.16		ug/Kg
90120	Naphthalene, 1-methyl-	740	J	4.12		ug/Kg
1127760	Naphthalene, 1-ethyl-	830	J	4.40		ug/Kg
582161	Naphthalene, 2,7-dimethyl-	940	J	4.44		ug/Kg
581420	Naphthalene, 2,6-dimethyl-	1900	J	4.49		ug/Kg
575371	Naphthalene, 1,7-dimethyl-	640	J	4.57		ug/Kg
575417	Naphthalene, 1,3-dimethyl-	630	J	4.61		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	790	J	4.82		ug/Kg
829265	Naphthalene, 2,3,6-trimethyl-	850	J	4.95		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	740	J	5.31		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-76	**SDG No.:**	S4962
Lab Sample ID:	S4962-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	25
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015715.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
1730376	9H-Fluorene, 1-methyl-	740	J	5.38		ug/Kg
613310	Anthracene, 9,10-dihydro-	940	J	5.41		ug/Kg
92911	Ethanone, 1-[1,1-biphenyl]-4-yl-	820	J	5.46		ug/Kg
26429118	Heptadecane, 4-methyl-	690	J	5.53		ug/Kg
832713	Phenanthrene, 3-methyl-	720	J	6.03		ug/Kg
3442782	Pyrene, 2-methyl-	740	J	7.01		ug/Kg
0	9-Nonadecene	660	J	7.35		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75	**SDG No.:**	S4962
Lab Sample ID:	S4962-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015717.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	78 U J	U	790	78	ug/Kg
108-95-2	Phenol	33	U	790	33	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	39 U J	U	790	39	ug/Kg
95-57-8	2-Chlorophenol	34	U	790	34	ug/Kg
95-48-7	2-Methylphenol	50	U	790	50	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43	U	790	43	ug/Kg
98-86-2	Acetophenone	41	U	790	41	ug/Kg
106-44-5	3+4-Methylphenols	36	U	790	36	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	790	35	ug/Kg
67-72-1	Hexachloroethane	38	U	790	38	ug/Kg
98-95-3	Nitrobenzene	40 U J	U	790	40	ug/Kg
78-59-1	Isophorone	29	U	790	29	ug/Kg
88-75-5	2-Nitrophenol	32	U	790	32	ug/Kg
105-67-9	2,4-Dimethylphenol	43	U	790	43	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36	U	790	36	ug/Kg
120-83-2	2,4-Dichlorophenol	28	U	790	28	ug/Kg
91-20-3	Naphthalene	17	U	790	17	ug/Kg
106-47-8	4-Chloroaniline	290	U	790	290	ug/Kg
87-68-3	Hexachlorobutadiene	28	U	790	28	ug/Kg
105-60-2	Caprolactam	29	U	790	29	ug/Kg
59-50-7	4-Chloro-3-methylphenol	23	U	790	23	ug/Kg
91-57-6	2-Methylnaphthalene	36000 J	E	790	14	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20 U J	U	790	20	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	790	29	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52	U	2000	52	ug/Kg
92-52-4	1,1-Biphenyl	23	U	790	23	ug/Kg
91-58-7	2-Chloronaphthalene	17	U	790	17	ug/Kg
88-74-4	2-Nitroaniline	29	U	2000	29	ug/Kg
131-11-3	Dimethylphthalate	19	U	790	19	ug/Kg
208-96-8	Acenaphthylene	24	U	790	24	ug/Kg
606-20-2	2,6-Dinitrotoluene	34	U	790	34	ug/Kg

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75	**SDG No.:**	S4962
Lab Sample ID:	S4962-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015717.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	130 U J	U	2000	130	ug/Kg
83-32-9	Acenaphthene	17	U	790	17	ug/Kg
51-28-5	2,4-Dinitrophenol	35	U	2000	35	ug/Kg
100-02-7	4-Nitrophenol	77	U	2000	77	ug/Kg
132-64-9	Dibenzofuran	26	U	790	26	ug/Kg
121-14-2	2,4-Dinitrotoluene	16	U	790	16	ug/Kg
84-66-2	Diethylphthalate	25	U	790	25	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	790	20	ug/Kg
86-73-7	Fluorene	6700 J	E	790	23	ug/Kg
100-01-6	4-Nitroaniline	62 U J	U	2000	62	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	2000	46	ug/Kg
86-30-6	N-Nitrosodiphenylamine	20	U	790	20	ug/Kg
101-55-3	4-Bromophenyl-phenylether	21	U	790	21	ug/Kg
118-74-1	Hexachlorobenzene	15	U	790	15	ug/Kg
1912-24-9	Atrazine	24	U	790	24	ug/Kg
87-86-5	Pentachlorophenol	25	U	2000	25	ug/Kg
85-01-8	Phenanthrene	10000	E	790	18	ug/Kg
120-12-7	Anthracene	3900		790	19	ug/Kg
86-74-8	Carbazole	17	U	790	17	ug/Kg
84-74-2	Di-n-butylphthalate	11	U	790	11	ug/Kg
206-44-0	Fluoranthene	4200		790	11	ug/Kg
129-00-0	Pyrene	4200		790	14	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	790	27	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	790	130	ug/Kg
56-55-3	Benzo(a)anthracene	2100		790	12	ug/Kg
218-01-9	Chrysene	1800		790	25	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	94 U J		790	18	ug/Kg
117-84-0	Di-n-octyl phthalate	19	U	790	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000 J		790	42	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100 J		790	27	ug/Kg
50-32-8	Benzo(a)pyrene	1400		790	14	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75	**SDG No.:**	S4962
Lab Sample ID:	S4962-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015717.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	420	J	790	19	ug/Kg
53-70-3	Dibenz(a,h)anthracene	86	J	790	23	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540	J	790	34	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	208.22	69 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	217.4	72 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	390.24	195 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	184.18	92 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	241.26	80 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	153.32	77 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151192	2.85			
1146-65-2	Naphthalene-d8	251375	3.64			
15067-26-2	Acenaphthene-d10	160170	4.73			
1517-22-2	Phenanthrene-d10	331012	5.65			
1719-03-5	Chrysene-d12	477063	7.46			
1520-96-3	Perylene-d12	422728	8.59			
TENTITIVE IDENTIFIED COMPOUNDS						
1678928	Cyclohexane, propyl-	1100	J	2.34		ug/Kg
17301949	Nonane, 4-methyl-	1300	J	2.51		ug/Kg
91576	Naphthalene, 2-methyl-	1100	J	4.15		ug/Kg
31295564	Dodecane, 2,6,11-trimethyl-	2000	J	4.23		ug/Kg
3891983	Dodecane, 2,6,10-trimethyl-	3000	J	4.26		ug/Kg
575417	Naphthalene, 1,3-dimethyl-	5700	J	4.44		ug/Kg
582161	Naphthalene, 2,7-dimethyl-	5300	J	4.49		ug/Kg
571584	Naphthalene, 1,4-dimethyl-	7000	J	4.54		ug/Kg
575439	Naphthalene, 1,6-dimethyl-	2700	J	4.60		ug/Kg
573988	Naphthalene, 1,2-dimethyl-	1300	J	4.65		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	1800	J	4.94		ug/Kg
	Unknown	1700	J	5.00		ug/Kg
530483	Ethylene, 1,1-diphenyl-	2700	J	5.44		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75	**SDG No.:**	S4962
Lab Sample ID:	S4962-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015717.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
21895169	Benzene, 1-methyl-3-[(4-methylphe	930	J	5.50		ug/Kg
0	Benzeneacetonitrile, 4-(1,2,3,6-t	1200	J	5.87		ug/Kg
613127	Anthracene, 2-methyl-	3000	J	6.00		ug/Kg
610480	Anthracene, 1-methyl-	2600	J	6.05		ug/Kg
3674666	Phenanthrene, 2,5-dimethyl-	1600	J	6.25		ug/Kg
1576698	Phenanthrene, 2,7-dimethyl-	1600	J	6.28		ug/Kg
1576676	Phenanthrene, 3,6-dimethyl-	5300	J	6.33		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-75DL	**SDG No.:**	S4962
Lab Sample ID:	S4962-05DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015799.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	390 U J	UD	4000	390	ug/Kg
108-95-2	Phenol	170	UD	4000	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	UD	4000	200	ug/Kg
95-57-8	2-Chlorophenol	170	UD	4000	170	ug/Kg
95-48-7	2-Methylphenol	250	UD	4000	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	UD	4000	210	ug/Kg
98-86-2	Acetophenone	210	UD	4000	210	ug/Kg
106-44-5	3+4-Methylphenols	180	UD	4000	180	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	170	UD	4000	170	ug/Kg
67-72-1	Hexachloroethane	190	UD	4000	190	ug/Kg
98-95-3	Nitrobenzene	200	UD	4000	200	ug/Kg
78-59-1	Isophorone	150	UD	4000	150	ug/Kg
88-75-5	2-Nitrophenol	160	UD	4000	160	ug/Kg
105-67-9	2,4-Dimethylphenol	210	UD	4000	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	4000	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	UD	4000	140	ug/Kg
91-20-3	Naphthalene	86	UD	4000	86	ug/Kg
106-47-8	4-Chloroaniline	1500	UD	4000	1500	ug/Kg
87-68-3	Hexachlorobutadiene	140	UD	4000	140	ug/Kg
105-60-2	Caprolactam	150	UD	4000	150	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	UD	4000	120	ug/Kg
91-57-6	2-Methylnaphthalene	38000 J	ED	4000	68	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99 U J	UD	4000	99	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	UD	4000	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	260	UD	9900	260	ug/Kg
92-52-4	1,1-Biphenyl	120	UD	4000	120	ug/Kg
91-58-7	2-Chloronaphthalene	83	UD	4000	83	ug/Kg
88-74-4	2-Nitroaniline	140	UD	9900	140	ug/Kg
131-11-3	Dimethylphthalate	95	UD	4000	95	ug/Kg
208-96-8	Acenaphthylene	120	UD	4000	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	UD	4000	170	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75DL	SDG No.:	S4962
Lab Sample ID:	S4962-05DL	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	17
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015799.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	640	UD	9900	640	ug/Kg
83-32-9	Acenaphthene	4000	D	4000	87	ug/Kg
51-28-5	2,4-Dinitrophenol	170	UD	9900	170	ug/Kg
100-02-7	4-Nitrophenol	390	UD	9900	390	ug/Kg
132-64-9	Dibenzofuran	130	UD	4000	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	79	UD	4000	79	ug/Kg
84-66-2	Diethylphthalate	120	UD	4000	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98	UD	4000	98	ug/Kg
86-73-7	Fluorene	6400	D	4000	110	ug/Kg
100-01-6	4-Nitroaniline	310	UD	9900	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	UD	9900	230	ug/Kg
86-30-6	N-Nitrosodiphenylamine	100	UD	4000	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	UD	4000	100	ug/Kg
118-74-1	Hexachlorobenzene	74	UD	4000	74	ug/Kg
1912-24-9	Atrazine	120	UD	4000	120	ug/Kg
87-86-5	Pentachlorophenol	120	UD	9900	120	ug/Kg
85-01-8	Phenanthrene	14000	D	4000	89	ug/Kg
120-12-7	Anthracene	2100	JD	4000	95	ug/Kg
86-74-8	Carbazole	87	UD	4000	87	ug/Kg
84-74-2	Di-n-butylphthalate	53	UD	4000	53	ug/Kg
206-44-0	Fluoranthene	4500	D	4000	55	ug/Kg
129-00-0	Pyrene	6100	D	4000	71	ug/Kg
85-68-7	Butylbenzylphthalate	130	UD	4000	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	640	UD	4000	640	ug/Kg
56-55-3	Benzo(a)anthracene	2000	JD	4000	60	ug/Kg
218-01-9	Chrysene	1700	JD	4000	130	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	91	UD	4000	91	ug/Kg
117-84-0	Di-n-octyl phthalate	95	UD	4000	95	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300 J	JD	4000	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	860	JD	4000	140	ug/Kg
50-32-8	Benzo(a)pyrene	1500	JD	4000	68	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75DL	SDG No.:	S4962
Lab Sample ID:	S4962-05DL	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	17
Sample Wt/Wol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015799.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	96	UD	4000	96	ug/Kg
53-70-3	Dibenz(a,h)anthracene	120	UD	4000	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	560	JD	4000	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	175.3	58 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	174.1	58 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	191.8	96 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	181.1	91 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	267.7	89 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	227.1	114 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128961	2.82			
1146-65-2	Naphthalene-d8	449170	3.61			
15067-26-2	Acenaphthene-d10	295115	4.69			
1517-22-2	Phenanthrene-d10	464279	5.62			
1719-03-5	Chrysene-d12	416358	7.53			
1520-96-3	Perylene-d12	294770	8.72			

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75DL2	SDG No.:	S4962
Lab Sample ID:	S4962-05DL2	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	17
Sample Wt/Wol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015803.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	1900 UJ	UD	20000	1900	ug/Kg
108-95-2	Phenol	830	UD	20000	830	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980	UD	20000	980	ug/Kg
95-57-8	2-Chlorophenol	860	UD	20000	860	ug/Kg
95-48-7	2-Methylphenol	1300	UD	20000	1300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	UD	20000	1100	ug/Kg
98-86-2	Acetophenone	1000	UD	20000	1000	ug/Kg
106-44-5	3+4-Methylphenols	910	UD	20000	910	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	870	UD	20000	870	ug/Kg
67-72-1	Hexachloroethane	950	UD	20000	950	ug/Kg
98-95-3	Nitrobenzene	1000	UD	20000	1000	ug/Kg
78-59-1	Isophorone	740	UD	20000	740	ug/Kg
88-75-5	2-Nitrophenol	800	UD	20000	800	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	UD	20000	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900	UD	20000	900	ug/Kg
120-83-2	2,4-Dichlorophenol	690	UD	20000	690	ug/Kg
91-20-3	Naphthalene	430	UD	20000	430	ug/Kg
106-47-8	4-Chloroaniline	7300	UD	20000	7300	ug/Kg
87-68-3	Hexachlorobutadiene	690	UD	20000	690	ug/Kg
105-60-2	Caprolactam	730	UD	20000	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	590	UD	20000	590	ug/Kg
91-57-6	2-Methylnaphthalene	38000 J	D	20000	340	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500 UJ	UD	20000	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	720	UD	20000	720	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300	UD	50000	1300	ug/Kg
92-52-4	1,1-Biphenyl	590	UD	20000	590	ug/Kg
91-58-7	2-Chloronaphthalene	410	UD	20000	410	ug/Kg
88-74-4	2-Nitroaniline	720	UD	50000	720	ug/Kg
131-11-3	Dimethylphthalate	470	UD	20000	470	ug/Kg
208-96-8	Acenaphthylene	590	UD	20000	590	ug/Kg
606-20-2	2,6-Dinitrotoluene	840	UD	20000	840	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75DL2	SDG No.:	S4962
Lab Sample ID:	S4962-05DL2	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	17
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015803.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	3200	UD	50000	3200	ug/Kg
83-32-9	Acenaphthene	4000	JD	20000	440	ug/Kg
51-28-5	2,4-Dinitrophenol	870	UD	50000	870	ug/Kg
100-02-7	4-Nitrophenol	1900	UD	50000	1900	ug/Kg
132-64-9	Dibenzofuran	3600	JD	20000	650	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	UD	20000	400	ug/Kg
84-66-2	Diethylphthalate	620	UD	20000	620	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	490	UD	20000	490	ug/Kg
86-73-7	Fluorene	7700	JD	20000	560	ug/Kg
100-01-6	4-Nitroaniline	1600	UD	50000	1600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100	UD	50000	1100	ug/Kg
86-30-6	N-Nitrosodiphenylamine	500	UD	20000	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	520	UD	20000	520	ug/Kg
118-74-1	Hexachlorobenzene	370	UD	20000	370	ug/Kg
1912-24-9	Atrazine	600	UD	20000	600	ug/Kg
87-86-5	Pentachlorophenol	620	UD	50000	620	ug/Kg
85-01-8	Phenanthrene	15000	JD	20000	440	ug/Kg
120-12-7	Anthracene	4800	JD	20000	470	ug/Kg
86-74-8	Carbazole	440	UD	20000	440	ug/Kg
84-74-2	Di-n-butylphthalate	260	UD	20000	260	ug/Kg
206-44-0	Fluoranthene	4000	JD	20000	280	ug/Kg
129-00-0	Pyrene	6700	JD	20000	350	ug/Kg
85-68-7	Butylbenzylphthalate	660	UD	20000	660	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3200	UD	20000	3200	ug/Kg
56-55-3	Benzo(a)anthracene	300	UD	20000	300	ug/Kg
218-01-9	Chrysene	2200	JD	20000	630	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	460	UD	20000	460	ug/Kg
117-84-0	Di-n-octyl phthalate	470	UD	20000	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100	UJ	20000	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	680	UD	20000	680	ug/Kg
50-32-8	Benzo(a)pyrene	340	UD	20000	340	ug/Kg

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-75DL2	SDG No.:	S4962
Lab Sample ID:	S4962-05DL2	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	17
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015803.D	50	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	480	UD	20000	480	ug/Kg
53-70-3	Dibenz(a,h)anthracene	580	UD	20000	580	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860	UD	20000	860	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82	27 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	149.5	50 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	115.5	58 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	193	96 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	240.5	80 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	222.5	111 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105061	2.83			
1146-65-2	Naphthalene-d8	471048	3.60			
15067-26-2	Acenaphthene-d10	290206	4.68			
1517-22-2	Phenanthrene-d10	456480	5.61			
1719-03-5	Chrysene-d12	376499	7.45			
1520-96-3	Perylene-d12	265790	8.59			

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-73	SDG No.:	S4962
Lab Sample ID:	S4962-06	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	23
Sample Wt/Vol:	15.2 g	Extract Vol:	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE016051.D	5	10/1/2004	10/13/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	420 UJ	U	4200	420	ug/Kg
108-95-2	Phenol	180	U	4200	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210 UJ	U	4200	210	ug/Kg
95-57-8	2-Chlorophenol	180	U	4200	180	ug/Kg
95-48-7	2-Methylphenol	270	U	4200	270	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230 UJ	U	4200	230	ug/Kg
98-86-2	Acetophenone	220	U	4200	220	ug/Kg
106-44-5	3+4-Methylphenols	190	U	4200	190	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	190	U	4200	190	ug/Kg
67-72-1	Hexachloroethane	200	U	4200	200	ug/Kg
98-95-3	Nitrobenzene	220	U	4200	220	ug/Kg
78-59-1	Isophorone	160	U	4200	160	ug/Kg
88-75-5	2-Nitrophenol	170	U	4200	170	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	4200	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	4200	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	4200	150	ug/Kg
91-20-3	Naphthalene	430	J	4200	92	ug/Kg
106-47-8	4-Chloroaniline	1600	U	4200	1600	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	4200	150	ug/Kg
105-60-2	Caprolactam	160	U	4200	160	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	4200	130	ug/Kg
91-57-6	2-Methylnaphthalene	15000		4200	73	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110 UJR	U	4200	110	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	4200	150	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	11000	280	ug/Kg
92-52-4	1,1-Biphenyl	130	U	4200	130	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	4200	88	ug/Kg
88-74-4	2-Nitroaniline	150	U	11000	150	ug/Kg
131-11-3	Dimethylphthalate	100	U	4200	100	ug/Kg
208-96-8	Acenaphthylene	130	U	4200	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	4200	180	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-73	**SDG No.:**	S4962
Lab Sample ID:	S4962-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	23
Sample Wt/Wol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE016051.D	5	10/1/2004	10/13/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	680	U	11000	680	ug/Kg
83-32-9	Acenaphthene	94	U	4200	94	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	11000	190	ug/Kg
100-02-7	4-Nitrophenol	410 U J	U	11000	410	ug/Kg
132-64-9	Dibenzofuran	140	U	4200	140	ug/Kg
121-14-2	2,4-Dinitrotoluene	85	U	4200	85	ug/Kg
84-66-2	Diethylphthalate	130	U	4200	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	4200	110	ug/Kg
86-73-7	Fluorene	120	U	4200	120	ug/Kg
100-01-6	4-Nitroaniline	330	U	11000	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	11000	250	ug/Kg
86-30-6	N-Nitrosodiphenylamine	110	U	4200	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	4200	110	ug/Kg
118-74-1	Hexachlorobenzene	79	U	4200	79	ug/Kg
1912-24-9	Atrazine	130	U	4200	130	ug/Kg
87-86-5	Pentachlorophenol	130	U	11000	130	ug/Kg
85-01-8	Phenanthrene	7100		4200	95	ug/Kg
120-12-7	Anthracene	4200	J	4200	100	ug/Kg
86-74-8	Carbazole	94	U	4200	94	ug/Kg
84-74-2	Di-n-butylphthalate	56	U	4200	56	ug/Kg
206-44-0	Fluoranthene	1200	J	4200	59	ug/Kg
129-00-0	Pyrene	4800		4200	76	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	4200	140	ug/Kg
91-94-1	3,3-Dichlorobenzidine	680	U	4200	680	ug/Kg
56-55-3	Benzo(a)anthracene	970	J	4200	64	ug/Kg
218-01-9	Chrysene	2600	J	4200	130	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	97	U	4200	97	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	4200	100	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	4200	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	4200	140	ug/Kg
50-32-8	Benzo(a)pyrene	590	J	4200	73	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-73	**SDG No.:**	S4962
Lab Sample ID:	S4962-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	23
Sample Wt/Wol:	15.2 g	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE016051.D	5	10/1/2004	10/13/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	4200	100	ug/Kg
53-70-3	Dibenz(a,h)anthracene	120	U	4200	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	U	4200	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.9	26 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	90.5	30 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	56.95	28 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	133	66 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	163.75	55 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	89.7	45 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	99887	2.77			
1146-65-2	Naphthalene-d8	513863	3.54			
15067-26-2	Acenaphthene-d10	226731	4.62			
1517-22-2	Phenanthrene-d10	383248	5.54			
1719-03-5	Chrysene-d12	498152	7.35			
1520-96-3	Perylene-d12	476151	8.45			
TENTITIVE IDENTIFIED COMPOUNDS						
934805	Benzene, 4-ethyl-1,2-dimethyl-	9700	J	2.95		ug/Kg
933982	Benzene, 1-ethyl-2,3-dimethyl-	11000	J	3.04		ug/Kg
581420	Naphthalene, 2,6-dimethyl-	13000	J	4.36		ug/Kg
575439	Naphthalene, 1,6-dimethyl-	22000	J	4.41		ug/Kg
1560969	Tridecane, 2-methyl-	12000	J	5.00		ug/Kg
1430973	9H-Fluorene, 2-methyl-	19000	J	5.32		ug/Kg
1961962	1H-Indene, 1-phenyl-	12000	J	5.93		ug/Kg
16587341	Naphtho[2,3-b]thiophene, 4,9-dim	10000	J	6.14		ug/Kg
3674666	Phenanthrene, 2,5-dimethyl-	17000	J	6.22		ug/Kg
53584604	28-Nor-17.alpha.(H)-hopane	9800	J	8.74		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-72	**SDG No.:**	S4962
Lab Sample ID:	S4962-07	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015706.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	37 UJ	U	380	37	ug/Kg
108-95-2	Phenol	16	U	380	16	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	19 UJ	U	380	19	ug/Kg
95-57-8	2-Chlorophenol	16	U	380	16	ug/Kg
95-48-7	2-Methylphenol	24	U	380	24	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	21	U	380	21	ug/Kg
98-86-2	Acetophenone	20	U	380	20	ug/Kg
106-44-5	3+4-Methylphenols	18	U	380	18	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	17	U	380	17	ug/Kg
67-72-1	Hexachloroethane	18	U	380	18	ug/Kg
98-95-3	Nitrobenzene	19	U	380	19	ug/Kg
78-59-1	Isophorone	14	U	380	14	ug/Kg
88-75-5	2-Nitrophenol	15	U	380	15	ug/Kg
105-67-9	2,4-Dimethylphenol	21	U	380	21	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	17	U	380	17	ug/Kg
120-83-2	2,4-Dichlorophenol	13	U	380	13	ug/Kg
91-20-3	Naphthalene	8.3	U	380	8.3	ug/Kg
106-47-8	4-Chloroaniline	140	U	380	140	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	380	13	ug/Kg
105-60-2	Caprolactam	14	U	380	14	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	380	11	ug/Kg
91-57-6	2-Methylnaphthalene	10000	E	380	6.6	ug/Kg
77-47-4	Hexachlorocyclopentadiene UJ 25	9.6 UJ	U	380	9.6	ug/Kg
88-06-2	2,4,6-Trichlorophenol	14	U	380	14	ug/Kg
95-95-4	2,4,5-Trichlorophenol	25	U	960	25	ug/Kg
92-52-4	1,1-Biphenyl	11	U	380	11	ug/Kg
91-58-7	2-Chloronaphthalene	8.0	U	380	8.0	ug/Kg
88-74-4	2-Nitroaniline	14 UJ	U	960	14	ug/Kg
131-11-3	Dimethylphthalate	9.1	U	380	9.1	ug/Kg
208-96-8	Acenaphthylene	11	U	380	11	ug/Kg
606-20-2	2,6-Dinitrotoluene	16	U	380	16	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-72	**SDG No.:**	S4962
Lab Sample ID:	S4962-07	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015706.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	62	U	960	62	ug/Kg
83-32-9	Acenaphthene	8.4	U	380	8.4	ug/Kg
51-28-5	2,4-Dinitrophenol	17	U	960	17	ug/Kg
100-02-7	4-Nitrophenol	37 U J	U	960	37	ug/Kg
132-64-9	Dibenzofuran	13	U	380	13	ug/Kg
121-14-2	2,4-Dinitrotoluene	7.6	U	380	7.6	ug/Kg
84-66-2	Diethylphthalate	12	U	380	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	9.5	U	380	9.5	ug/Kg
86-73-7	Fluorene	11	U	380	11	ug/Kg
100-01-6	4-Nitroaniline	30	U	960	30	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	22	U	960	22	ug/Kg
86-30-6	N-Nitrosodiphenylamine	9.7	U	380	9.7	ug/Kg
101-55-3	4-Bromophenyl-phenylether	10	U	380	10	ug/Kg
118-74-1	Hexachlorobenzene	7.1	U	380	7.1	ug/Kg
1912-24-9	Atrazine	12	U	380	12	ug/Kg
87-86-5	Pentachlorophenol	12	U	960	12	ug/Kg
85-01-8	Phenanthrene	1200		380	8.5	ug/Kg
120-12-7	Anthracene	450		380	9.1	ug/Kg
86-74-8	Carbazole	8.4	U	380	8.4	ug/Kg
84-74-2	Di-n-butylphthalate	5.1	U	380	5.1	ug/Kg
206-44-0	Fluoranthene	210	J	380	5.3	ug/Kg
129-00-0	Pyrene	270	J	380	6.8	ug/Kg
85-68-7	Butylbenzylphthalate	13	U	380	13	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61	U	380	61	ug/Kg
56-55-3	Benzo(a)anthracene	54	J	380	5.8	ug/Kg
218-01-9	Chrysene	65	J	380	12	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	93 U J		380	8.8	ug/Kg
117-84-0	Di-n-octyl phthalate	9.1	U	380	9.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	47 J	J	380	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	13 R	U	380	13	ug/Kg
50-32-8	Benzo(a)pyrene	6.6	U	380	6.6	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72	SDG No.:	S4962
Lab Sample ID:	S4962-07	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	14
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015706.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	9.2	U	380	9.2	ug/Kg
53-70-3	Dibenz(a,h)anthracene	11	U	380	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17	U	380	17	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	205.44	68 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	203.86	68 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	253.5	127 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	157.54	79 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	243.36	81 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	167.79	84 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146711	2.85			
1146-65-2	Naphthalene-d8	415404	3.64			
15067-26-2	Acenaphthene-d10	197438	4.72			
1517-22-2	Phenanthrene-d10	387334	5.64			
1719-03-5	Chrysene-d12	486197	7.50			
1520-96-3	Perylene-d12	478256	8.67			
TENTITIVE IDENTIFIED COMPOUNDS						
2051301	Octane, 2,6-dimethyl-	640	J	2.35		ug/Kg
17301949	Nonane, 4-methyl-	610	J	2.51		ug/Kg
105055	Benzene, 1,4-diethyl-	1500	J	3.03		ug/Kg
99876	Benzene, 1-methyl-4-(1-methyleth	1400	J	3.14		ug/Kg
5911046	Nonane, 3-methyl-	530	J	3.88		ug/Kg
90120	Naphthalene, 1-methyl-	670	J	4.14		ug/Kg
5359046	Ethanone, 1-[4-(1-methylethenyl)p	720	J	4.37		ug/Kg
1127760	Naphthalene, 1-ethyl-	1500	J	4.42		ug/Kg
582161	Naphthalene, 2,7-dimethyl-	2000	J	4.47		ug/Kg
569415	Naphthalene, 1,8-dimethyl-	3200	J	4.52		ug/Kg
575417	Naphthalene, 1,3-dimethyl-	980	J	4.58		ug/Kg
581408	Naphthalene, 2,3-dimethyl-	890	J	4.63		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	1200	J	4.78		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-72	**SDG No.:**	S4962
Lab Sample ID:	S4962-07	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015706.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
	Unknown	880	J	4.84		ug/Kg
	Unknown	730	J	4.91		ug/Kg
	Unknown	690	J	4.97		ug/Kg
	Unknown	580	J	5.05		ug/Kg
17301289	Undecane, 3,6-dimethyl-	610	J	5.09		ug/Kg
28239454	2,4,6(1H,3H,5H)-Pyrimidinetrione,	550	J	5.32		ug/Kg
297030	Cyclotetracosane	710	J	7.34		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72DL	SDG No.:	S4962
Lab Sample ID:	S4962-07DL	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	14
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015801.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	370 UJ	UD	3800	370	ug/Kg
108-95-2	Phenol	160	UD	3800	160	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	UD	3800	190	ug/Kg
95-57-8	2-Chlorophenol	160	UD	3800	160	ug/Kg
95-48-7	2-Methylphenol	240	UD	3800	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	UD	3800	210	ug/Kg
98-86-2	Acetophenone	200	UD	3800	200	ug/Kg
106-44-5	3+4-Methylphenols	180	UD	3800	180	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	170	UD	3800	170	ug/Kg
67-72-1	Hexachloroethane	180	UD	3800	180	ug/Kg
98-95-3	Nitrobenzene	190	UD	3800	190	ug/Kg
78-59-1	Isophorone	140	UD	3800	140	ug/Kg
88-75-5	2-Nitrophenol	150	UD	3800	150	ug/Kg
105-67-9	2,4-Dimethylphenol	210	UD	3800	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	UD	3800	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	UD	3800	130	ug/Kg
91-20-3	Naphthalene	83	UD	3800	83	ug/Kg
106-47-8	4-Chloroaniline	1400	UD	3800	1400	ug/Kg
87-68-3	Hexachlorobutadiene	130	UD	3800	130	ug/Kg
105-60-2	Caprolactam	140	UD	3800	140	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	UD	3800	110	ug/Kg
91-57-6	2-Methylnaphthalene	16000 J	D	3800	66	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96 UJ	UD	3800	96	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	UD	3800	140	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	UD	9600	250	ug/Kg
92-52-4	1,1-Biphenyl	110	UD	3800	110	ug/Kg
91-58-7	2-Chloronaphthalene	80	UD	3800	80	ug/Kg
88-74-4	2-Nitroaniline	140	UD	9600	140	ug/Kg
131-11-3	Dimethylphthalate	91	UD	3800	91	ug/Kg
208-96-8	Acenaphthylene	110	UD	3800	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	UD	3800	160	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-72DL	SDG No.:	S4962
Lab Sample ID:	S4962-07DL	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	14
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015801.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	620	UD	9600	620	ug/Kg
83-32-9	Acenaphthene	620	JD	3800	84	ug/Kg
51-28-5	2,4-Dinitrophenol	170	UD	9600	170	ug/Kg
100-02-7	4-Nitrophenol	370	UD	9600	370	ug/Kg
132-64-9	Dibenzofuran	130	UD	3800	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	76	UD	3800	76	ug/Kg
84-66-2	Diethylphthalate	120	UD	3800	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95	UD	3800	95	ug/Kg
86-73-7	Fluorene	110	UD	3800	110	ug/Kg
100-01-6	4-Nitroaniline	300	UD	9600	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	220	UD	9600	220	ug/Kg
86-30-6	N-Nitrosodiphenylamine	97	UD	3800	97	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	UD	3800	100	ug/Kg
118-74-1	Hexachlorobenzene	71	UD	3800	71	ug/Kg
1912-24-9	Atrazine	120	UD	3800	120	ug/Kg
87-86-5	Pentachlorophenol	120	UD	9600	120	ug/Kg
85-01-8	Phenanthrene	1200	JD	3800	85	ug/Kg
120-12-7	Anthracene	420	JD	3800	91	ug/Kg
86-74-8	Carbazole	84	UD	3800	84	ug/Kg
84-74-2	Di-n-butylphthalate	51	UD	3800	51	ug/Kg
206-44-0	Fluoranthene	53	UD	3800	53	ug/Kg
129-00-0	Pyrene	68	UD	3800	68	ug/Kg
85-68-7	Butylbenzylphthalate	130	UD	3800	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	UD	3800	610	ug/Kg
56-55-3	Benzo(a)anthracene	58	UD	3800	58	ug/Kg
218-01-9	Chrysene	120	UD	3800	120	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	88	UD	3800	88	ug/Kg
117-84-0	Di-n-octyl phthalate	91	UD	3800	91	ug/Kg
205-99-2	Benzo(b)fluoranthene	200 UJ	UD	3800	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	UD	3800	130	ug/Kg
50-32-8	Benzo(a)pyrene	66	UD	3800	66	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-72DL	**SDG No.:**	S4962
Lab Sample ID:	S4962-07DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015801.D	10	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	92	UD	3800	92	ug/Kg
53-70-3	Dibenz(a,h)anthracene	110	UD	3800	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	UD	3800	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	146.7	49 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	177.2	59 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	117.9	59 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	172.6	86 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	151.8	51 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	204.6	102 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	104095	2.83			
1146-65-2	Naphthalene-d8	446299	3.61			
15067-26-2	Acenaphthene-d10	269295	4.68			
1517-22-2	Phenanthrene-d10	423749	5.61			
1719-03-5	Chrysene-d12	351341	7.45			
1520-96-3	Perylene-d12	239966	8.59			

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-70	**SDG No.:**	S4962
Lab Sample ID:	S4962-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015716.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	87 UJ	U	880	87	ug/Kg
108-95-2	Phenol	37	U	880	37	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	44 UJ	U	880	44	ug/Kg
95-57-8	2-Chlorophenol	38	U	880	38	ug/Kg
95-48-7	2-Methylphenol	56	U	880	56	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	880	48	ug/Kg
98-86-2	Acetophenone	46	U	880	46	ug/Kg
106-44-5	3+4-Methylphenols	41	U	880	41	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	39	U	880	39	ug/Kg
67-72-1	Hexachloroethane	42	U	880	42	ug/Kg
98-95-3	Nitrobenzene	45	U	880	45	ug/Kg
78-59-1	Isophorone	33	U	880	33	ug/Kg
88-75-5	2-Nitrophenol	36	U	880	36	ug/Kg
105-67-9	2,4-Dimethylphenol	48	U	880	48	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40	U	880	40	ug/Kg
120-83-2	2,4-Dichlorophenol	31	U	880	31	ug/Kg
91-20-3	Naphthalene	19	U	880	19	ug/Kg
106-47-8	4-Chloroaniline	330	U	880	330	ug/Kg
87-68-3	Hexachlorobutadiene	31	U	880	31	ug/Kg
105-60-2	Caprolactam	33	U	880	33	ug/Kg
59-50-7	4-Chloro-3-methylphenol	26	U	880	26	ug/Kg
91-57-6	2-Methylnaphthalene	6400		880	15	ug/Kg
77-47-4	Hexachlorocyclopentadiene	22 UJ	U	880	22	ug/Kg
88-06-2	2,4,6-Trichlorophenol	32	U	880	32	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59	U	2200	59	ug/Kg
92-52-4	1,1-Biphenyl	26	U	880	26	ug/Kg
91-58-7	2-Chloronaphthalene	18	U	880	18	ug/Kg
88-74-4	2-Nitroaniline	32 UJ	U	2200	32	ug/Kg
131-11-3	Dimethylphthalate	21	U	880	21	ug/Kg
208-96-8	Acenaphthylene	27	U	880	27	ug/Kg
606-20-2	2,6-Dinitrotoluene	38	U	880	38	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-70	**SDG No.:**	S4962
Lab Sample ID:	S4962-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015716.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	140	U	2200	140	ug/Kg
83-32-9	Acenaphthene	380	J	880	20	ug/Kg
51-28-5	2,4-Dinitrophenol	39	U	2200	39	ug/Kg
100-02-7	4-Nitrophenol	87 U J	U	2200	87	ug/Kg
132-64-9	Dibenzofuran	29	U	880	29	ug/Kg
121-14-2	2,4-Dinitrotoluene	18	U	880	18	ug/Kg
84-66-2	Diethylphthalate	28	U	880	28	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	22	U	880	22	ug/Kg
86-73-7	Fluorene	550	J	880	25	ug/Kg
100-01-6	4-Nitroaniline	69	U	2200	69	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	51	U	2200	51	ug/Kg
86-30-6	N-Nitrosodiphenylamine	23	U	880	23	ug/Kg
101-55-3	4-Bromophenyl-phenylether	23	U	880	23	ug/Kg
118-74-1	Hexachlorobenzene	17	U	880	17	ug/Kg
1912-24-9	Atrazine	27	U	880	27	ug/Kg
87-86-5	Pentachlorophenol	28	U	2200	28	ug/Kg
85-01-8	Phenanthrene	510	J	880	20	ug/Kg
120-12-7	Anthracene	210	J	880	21	ug/Kg
86-74-8	Carbazole	20	U	880	20	ug/Kg
84-74-2	Di-n-butylphthalate	12	U	880	12	ug/Kg
206-44-0	Fluoranthene	12	U	880	12	ug/Kg
129-00-0	Pyrene	16	U	880	16	ug/Kg
85-68-7	Butylbenzylphthalate	30	U	880	30	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	880	140	ug/Kg
56-55-3	Benzo(a)anthracene	13	U	880	13	ug/Kg
218-01-9	Chrysene	28	U	880	28	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	20	U	880	20	ug/Kg
117-84-0	Di-n-octyl phthalate	21	U	880	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	47 U J	U	880	47	ug/Kg
207-08-9	Benzo(k)fluoranthene	30 R	U	880	30	ug/Kg
50-32-8	Benzo(a)pyrene	15	U	880	15	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-70	SDG No.:	S4962
Lab Sample ID:	S4962-10	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	26
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015716.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	21	U	880	21	ug/Kg
53-70-3	Dibenz(a,h)anthracene	26	U	880	26	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	880	39	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	221.96	74 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	224.3	75 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	218.58	109 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	172.68	86 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	281.84	94 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	208.4	104 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141396	2.84			
1146-65-2	Naphthalene-d8	450191	3.63			
15067-26-2	Acenaphthene-d10	290822	4.70			
1517-22-2	Phenanthrene-d10	498606	5.62			
1719-03-5	Chrysene-d12	457261	7.49			
1520-96-3	Perylene-d12	415822	8.64			
TENTITIVE IDENTIFIED COMPOUNDS						
1678917	Cyclohexane, ethyl-	1800	J	1.65		ug/Kg
	ACP	1700	AB	1.79		ug/Kg
3728549	Cyclohexane, 1-ethyl-2-methyl-	1400	J	2.19		ug/Kg
41977462	Bicyclo[4.1.0]heptane, 2-methyl-	1500	J	2.28		ug/Kg
13395761	Cyclohexanone, 2,3-dimethyl-	4800	J	2.34		ug/Kg
52896874	Heptane, 4-(1-methylethyl)-	2200	J	2.38		ug/Kg
17615917	Undecane, 5,6-dimethyl-	1900	J	2.46		ug/Kg
6004600	Ethanone, 1-cyclopentyl-	4500	J	2.50		ug/Kg
28588558	Pentalene, octahydro-2,5-dimethyl-	1600	J	2.59		ug/Kg
493027	Naphthalene, decahydro-, trans-	6500	J	3.04		ug/Kg
874419	Benzene, 1-ethyl-2,4-dimethyl-	17000	J	3.16		ug/Kg
3891983	Dodecane, 2,6,10-trimethyl-	1600	J	4.23		ug/Kg
575439	Naphthalene, 1,6-dimethyl-	2400	J	4.45		ug/Kg

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-70	**SDG No.:**	S4962
Lab Sample ID:	S4962-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015716.D	2	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
575371	Naphthalene, 1,7-dimethyl-	4400	J	4.51		ug/Kg
575371	Unknown	1600	J	4.57		ug/Kg
573988	Naphthalene, 1,2-dimethyl-	1700	J	4.61		ug/Kg
2131422	Naphthalene, 1,4,6-trimethyl-	1700	J	4.82		ug/Kg
	Unknown	1500	J	4.95		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	1600	J	5.31		ug/Kg
629594	Tetradecane	1700	J	5.52		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-71	SDG No.:	S4962
Lab Sample ID:	S4962-11	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	26
Sample Wt/Vol:	15.3 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015699.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	43 U J	U	440	43	ug/Kg
108-95-2	Phenol	18	U	440	18	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	22 U J	U	440	22	ug/Kg
95-57-8	2-Chlorophenol	19	U	440	19	ug/Kg
95-48-7	2-Methylphenol	28	U	440	28	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	24	U	440	24	ug/Kg
98-86-2	Acetophenone	23	U	440	23	ug/Kg
106-44-5	3+4-Methylphenols	20	U	440	20	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	19	U	440	19	ug/Kg
67-72-1	Hexachloroethane	21	U	440	21	ug/Kg
98-95-3	Nitrobenzene	22	U	440	22	ug/Kg
78-59-1	Isophorone	16	U	440	16	ug/Kg
88-75-5	2-Nitrophenol	18	U	440	18	ug/Kg
105-67-9	2,4-Dimethylphenol	24	U	440	24	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	20	U	440	20	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	440	15	ug/Kg
91-20-3	Naphthalene	9.6	U	440	9.6	ug/Kg
106-47-8	4-Chloroaniline	160	U	440	160	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	440	15	ug/Kg
105-60-2	Caprolactam	16	U	440	16	ug/Kg
59-50-7	4-Chloro-3-methylphenol	13	U	440	13	ug/Kg
91-57-6	2-Methylnaphthalene	7.6	U	440	7.6	ug/Kg
77-47-4	Hexachlorocyclopentadiene	11 U J	U	440	11	ug/Kg
88-06-2	2,4,6-Trichlorophenol	16	U	440	16	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29	U	1100	29	ug/Kg
92-52-4	1,1-Biphenyl	13	U	440	13	ug/Kg
91-58-7	2-Chloronaphthalene	9.2	U	440	9.2	ug/Kg
88-74-4	2-Nitroaniline	16 U J	U	1100	16	ug/Kg
131-11-3	Dimethylphthalate	10	U	440	10	ug/Kg
208-96-8	Acenaphthylene	13	U	440	13	ug/Kg
606-20-2	2,6-Dinitrotoluene	19	U	440	19	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-71	SDG No.:	S4962
Lab Sample ID:	S4962-11	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	26
Sample Wt/Vol:	15.3 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015699.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	71	U	1100	71	ug/Kg
83-32-9	Acenaphthene	9.7	U	440	9.7	ug/Kg
51-28-5	2,4-Dinitrophenol	19	U	1100	19	ug/Kg
100-02-7	4-Nitrophenol	43 UJ	U	1100	43	ug/Kg
132-64-9	Dibenzofuran	14	U	440	14	ug/Kg
121-14-2	2,4-Dinitrotoluene	8.8	U	440	8.8	ug/Kg
84-66-2	Diethylphthalate	14	U	440	14	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	11	U	440	11	ug/Kg
86-73-7	Fluorene	12	U	440	12	ug/Kg
100-01-6	4-Nitroaniline	34	U	1100	34	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25	U	1100	25	ug/Kg
86-30-6	N-Nitrosodiphenylamine	11	U	440	11	ug/Kg
101-55-3	4-Bromophenyl-phenylether	12	U	440	12	ug/Kg
118-74-1	Hexachlorobenzene	8.2	U	440	8.2	ug/Kg
1912-24-9	Atrazine	13	U	440	13	ug/Kg
87-86-5	Pentachlorophenol	14	U	1100	14	ug/Kg
85-01-8	Phenanthrene	59	J	440	9.8	ug/Kg
120-12-7	Anthracene	68	J	440	10	ug/Kg
86-74-8	Carbazole	9.7	U	440	9.7	ug/Kg
84-74-2	Di-n-butylphthalate	5.8	U	440	5.8	ug/Kg
206-44-0	Fluoranthene	6.1	U	440	6.1	ug/Kg
129-00-0	Pyrene	48	J	440	7.8	ug/Kg
85-68-7	Butylbenzylphthalate	15	U	440	15	ug/Kg
91-94-1	3,3-Dichlorobenzidine	70	U	440	70	ug/Kg
56-55-3	Benzo(a)anthracene	6.6	U	440	6.6	ug/Kg
218-01-9	Chrysene	14	U	440	14	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	60 U J		440	10	ug/Kg
117-84-0	Di-n-octyl phthalate	10	U	440	10	ug/Kg
205-99-2	Benzo(b)fluoranthene	23 UJ	U	440	23	ug/Kg
207-08-9	Benzo(k)fluoranthene	15 R	U	440	15	ug/Kg
50-32-8	Benzo(a)pyrene	7.6	U	440	7.6	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-71	**SDG No.:**	S4962
Lab Sample ID:	S4962-11	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Wol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015699.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	440	11	ug/Kg
53-70-3	Dibenz(a,h)anthracene	13	U	440	13	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19	U	440	19	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	251.13	84 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	238.29	79 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	156.14	78 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	156.41	78 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	216.75	72 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	176.69	88 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128545	2.84			
1146-65-2	Naphthalene-d8	510207	3.63			
15067-26-2	Acenaphthene-d10	307987	4.70			
1517-22-2	Phenanthrene-d10	432440	5.63			
1719-03-5	Chrysene-d12	454641	7.49			
1520-96-3	Perylene-d12	461487	8.65			
TENTATIVE IDENTIFIED COMPOUNDS						
	ACP	~~650~~	~~AB~~	~~1.78~~		ug/Kg
513202	Bicyclo[3.1.0]hexan-2-one, 5-(1-m	290	J	2.59		ug/Kg
1618220	Naphthalene, decahydro-2,6-dimet	250	J	3.53		ug/Kg
54676390	Cyclohexane, 2-butyl-1,1,3-trimet	410	J	3.71		ug/Kg
645103	1,7-Dimethyl-4-(1-methylethyl)cyc	410	J	3.81		ug/Kg
61141808	Cyclohexane, 1,2-diethyl-3-methyl-	280	J	3.86		ug/Kg
6236880	Cyclohexane, 1-ethyl-4-methyl-, t	650	J	4.00		ug/Kg
54411017	Cyclohexane, 1-methyl-2-pentyl-	300	J	4.09		ug/Kg
55937923	Bicyclo[4.1.0]heptane, 2-methyl-7-	240	J	4.13		ug/Kg
0	4-Acetyl-7-hydroxybenzo-2,13-thia	300	J	4.19		ug/Kg
529055	Azulene, 7-ethyl-1,4-dimethyl-	260	J	5.09		ug/Kg
490653	Naphthalene, 1-methyl-7-(1-methy	270	J	5.14		ug/Kg
	Unknown	320	J	5.26		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-71	**SDG No.:**	S4962
Lab Sample ID:	S4962-11	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Vol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015699.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
	Unknown	450	J	5.31		ug/Kg
10222476	2-Quinolinecarbonitrile, 4-methyl-,	290	J	5.35		ug/Kg
4612639	9H-Fluorene, 2,3-dimethyl-	620	J	5.40		ug/Kg
21895147	Benzene, 1,1-methylenebis[3-meth	560	J	5.46		ug/Kg
21895169	Benzene, 1-methyl-3-[(4-methylphe	330	J	5.51		ug/Kg
57103	Hexadecanoic acid	910	J	5.97		ug/Kg
112889	1-Octadecene	390	J	7.32		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	EB-1	**SDG No.:**	S4962
Lab Sample ID:	S4962-12	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018849.D	1	10/1/2004	10/2/2004	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	1.7	U	10	1.7	ug/L
108-95-2	Phenol	0.430	U	10	0.430	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.330	U	10	0.330	ug/L
95-57-8	2-Chlorophenol	0.730	U	10	0.730	ug/L
95-48-7	2-Methylphenol	1.1	U	10	1.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.830	UJ	10	0.830	ug/L
98-86-2	Acetophenone	0.550	U	10	0.550	ug/L
106-44-5	3+4-Methylphenols	1.1	U	10	1.1	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.770	U	10	0.770	ug/L
67-72-1	Hexachloroethane	0.910	U	10	0.910	ug/L
98-95-3	Nitrobenzene	0.380	U	10	0.380	ug/L
78-59-1	Isophorone	0.480	U	10	0.480	ug/L
88-75-5	2-Nitrophenol	0.270	U	10	0.270	ug/L
105-67-9	2,4-Dimethylphenol	0.460	U	10	0.460	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.440	U	10	0.440	ug/L
120-83-2	2,4-Dichlorophenol	0.290	U	10	0.290	ug/L
91-20-3	Naphthalene	0.270	U	10	0.270	ug/L
106-47-8	4-Chloroaniline	4.1	U	10	4.1	ug/L
87-68-3	Hexachlorobutadiene	0.380	U	10	0.380	ug/L
105-60-2	Caprolactam	0.510	U	10	0.510	ug/L
59-50-7	4-Chloro-3-methylphenol	0.300	U	10	0.300	ug/L
91-57-6	2-Methylnaphthalene	0.500	U	10	0.500	ug/L
77-47-4	Hexachlorocyclopentadiene	0.450	UJ	10	0.450	ug/L
88-06-2	2,4,6-Trichlorophenol	0.280	U	10	0.280	ug/L
95-95-4	2,4,5-Trichlorophenol	0.580	U	10	0.580	ug/L
92-52-4	1,1-Biphenyl	0.270	U	10	0.270	ug/L
91-58-7	2-Chloronaphthalene	0.390	U	10	0.390	ug/L
88-74-4	2-Nitroaniline	0.300	U	10	0.300	ug/L
131-11-3	Dimethylphthalate	0.260	U	10	0.260	ug/L
208-96-8	Acenaphthylene	0.430	U	10	0.430	ug/L
606-20-2	2,6-Dinitrotoluene	0.410	U	10	0.410	ug/L

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	EB-1	**SDG No.:**	S4962
Lab Sample ID:	S4962-12	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018849.D	1	10/1/2004	10/2/2004	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1.0	U	10	1.0	ug/L
83-32-9	Acenaphthene	0.240	U	10	0.240	ug/L
51-28-5	2,4-Dinitrophenol	0.190	U J U	10	0.190	ug/L
100-02-7	4-Nitrophenol	0.940	~~U J~~ R	10	0.940	ug/L
132-64-9	Dibenzofuran	0.310	U	10	0.310	ug/L
121-14-2	2,4-Dinitrotoluene	0.340	U	10	0.340	ug/L
84-66-2	Diethylphthalate	0.340	U	10	0.340	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.360	U	10	0.360	ug/L
86-73-7	Fluorene	0.170	U	10	0.170	ug/L
100-01-6	4-Nitroaniline	0.830	U	10	0.830	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	10	1.4	ug/L
86-30-6	N-Nitrosodiphenylamine	0.280	U	10	0.280	ug/L
101-55-3	4-Bromophenyl-phenylether	0.170	U	10	0.170	ug/L
118-74-1	Hexachlorobenzene	0.230	U	10	0.230	ug/L
1912-24-9	Atrazine	0.480	U	10	0.480	ug/L
87-86-5	Pentachlorophenol	0.390	U	10	0.390	ug/L
85-01-8	Phenanthrene	0.270	U	10	0.270	ug/L
120-12-7	Anthracene	0.160	U	10	0.160	ug/L
86-74-8	Carbazole	0.310	U	10	0.310	ug/L
84-74-2	Di-n-butylphthalate	0.098	U	10	0.098	ug/L
206-44-0	Fluoranthene	0.210	U	10	0.210	ug/L
129-00-0	Pyrene	0.250	U	10	0.250	ug/L
85-68-7	Butylbenzylphthalate	0.300	U	10	0.300	ug/L
91-94-1	3,3-Dichlorobenzidine	1.6	U	10	1.6	ug/L
56-55-3	Benzo(a)anthracene	0.220	U	10	0.220	ug/L
218-01-9	Chrysene	0.380	U	10	0.380	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U ~~B~~	10	0.340	ug/L
117-84-0	Di-n-octyl phthalate	0.170	U	10	0.170	ug/L
205-99-2	Benzo(b)fluoranthene	0.230	U	10	0.230	ug/L
207-08-9	Benzo(k)fluoranthene	0.380	U	10	0.380	ug/L
50-32-8	Benzo(a)pyrene	0.450	U	10	0.450	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	EB-1	**SDG No.:**	S4962
Lab Sample ID:	S4962-12	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB018849.D	1	10/1/2004	10/2/2004	BB092404

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.290	U	10	0.290	ug/L
53-70-3	Dibenz(a,h)anthracene	0.290	U	10	0.290	ug/L
191-24-2	Benzo(g,h,i)perylene	0.420	U	10	0.420	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	77.69	26 %	21 - 100		SPK: 30
13127-88-3	Phenol-d5	51.53	17 %	10 - 94		SPK: 30
4165-60-0	Nitrobenzene-d5	97.18	49 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	97.1	49 %	43 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	149.39	50 %	10 - 123		SPK: 30
1718-51-0	Terphenyl-d14	115.23	58 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	413064	6.37			
1146-65-2	Naphthalene-d8	1895128	8.70			
15067-26-2	Acenaphthene-d10	1047239	12.17			
1517-22-2	Phenanthrene-d10	1690505	15.18			
1719-03-5	Chrysene-d12	1372144	20.56			
1520-96-3	Perylene-d12	1089841	23.89			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP	~~8.4~~	~~AB~~	~~3.94~~		ug/L

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-74	**SDG No.:**	S4962
Lab Sample ID:	S4962-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015698.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	41 UJ	U	410	41	ug/Kg
108-95-2	Phenol	17	U	410	17	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	20 UJ	U	410	20	ug/Kg
95-57-8	2-Chlorophenol	18	U	410	18	ug/Kg
95-48-7	2-Methylphenol	26	U	410	26	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	22	U	410	22	ug/Kg
98-86-2	Acetophenone	22	U	410	22	ug/Kg
106-44-5	3+4-Methylphenols	19	U	410	19	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	18	U	410	18	ug/Kg
67-72-1	Hexachloroethane	20	U	410	20	ug/Kg
98-95-3	Nitrobenzene	21	U	410	21	ug/Kg
78-59-1	Isophorone	15	U	410	15	ug/Kg
88-75-5	2-Nitrophenol	17	U	410	17	ug/Kg
105-67-9	2,4-Dimethylphenol	22	U	410	22	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	19	U	410	19	ug/Kg
120-83-2	2,4-Dichlorophenol	15	U	410	15	ug/Kg
91-20-3	Naphthalene	2800		410	9.0	ug/Kg
106-47-8	4-Chloroaniline	150	U	410	150	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	410	15	ug/Kg
105-60-2	Caprolactam	15	U	410	15	ug/Kg
59-50-7	4-Chloro-3-methylphenol	12	U	410	12	ug/Kg
91-57-6	2-Methylnaphthalene	4000	E	410	7.1	ug/Kg
77-47-4	Hexachlorocyclopentadiene	10 UJ	U	410	10	ug/Kg
88-06-2	2,4,6-Trichlorophenol	15	U	410	15	ug/Kg
95-95-4	2,4,5-Trichlorophenol	27	U	1000	27	ug/Kg
92-52-4	1,1-Biphenyl	300	J	410	12	ug/Kg
91-58-7	2-Chloronaphthalene	8.6	U	410	8.6	ug/Kg
88-74-4	2-Nitroaniline	15 UJ	U	1000	15	ug/Kg
131-11-3	Dimethylphthalate	9.9	U	410	9.9	ug/Kg
208-96-8	Acenaphthylene	12	U	410	12	ug/Kg
606-20-2	2,6-Dinitrotoluene	18	U	410	18	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	Date Collected:	9/27/2004
Project:	Matt Petroleum Terminal	Date Received:	9/30/2004
Client Sample ID:	PSB-74	SDG No.:	S4962
Lab Sample ID:	S4962-13	Matrix:	SOIL
Analytical Method:	8270	% Moisture:	21
Sample Wt/Vol:	15.1 g	Extract Vol:	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015698.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	67	U	1000	67	ug/Kg
83-32-9	Acenaphthene	42	J	410	9.1	ug/Kg
51-28-5	2,4-Dinitrophenol	18	U	1000	18	ug/Kg
100-02-7	4-Nitrophenol	40	U J	1000	40	ug/Kg
132-64-9	Dibenzofuran	64	J	410	14	ug/Kg
121-14-2	2,4-Dinitrotoluene	8.3	U	410	8.3	ug/Kg
84-66-2	Diethylphthalate	13	U	410	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	10	U	410	10	ug/Kg
86-73-7	Fluorene	64	J	410	12	ug/Kg
100-01-6	4-Nitroaniline	32	U	1000	32	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	1000	24	ug/Kg
86-30-6	N-Nitrosodiphenylamine	11	U	410	11	ug/Kg
101-55-3	4-Bromophenyl-phenylether	11	U	410	11	ug/Kg
118-74-1	Hexachlorobenzene	7.8	U	410	7.8	ug/Kg
1912-24-9	Atrazine	13	U	410	13	ug/Kg
87-86-5	Pentachlorophenol	13	U	1000	13	ug/Kg
85-01-8	Phenanthrene	9.3	U	410	9.3	ug/Kg
120-12-7	Anthracene	9.9	U	410	9.9	ug/Kg
86-74-8	Carbazole	9.1	U	410	9.1	ug/Kg
84-74-2	Di-n-butylphthalate	5.5	U	410	5.5	ug/Kg
206-44-0	Fluoranthene	5.8	U	410	5.8	ug/Kg
129-00-0	Pyrene	7.4	U	410	7.4	ug/Kg
85-68-7	Butylbenzylphthalate	14	U	410	14	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	410	67	ug/Kg
56-55-3	Benzo(a)anthracene	6.3	U	410	6.3	ug/Kg
218-01-9	Chrysene	13	U	410	13	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	55	U J	410	9.5	ug/Kg
117-84-0	Di-n-octyl phthalate	9.9	U	410	9.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	22	U J	410	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	14	R	410	14	ug/Kg
50-32-8	Benzo(a)pyrene	7.1	U	410	7.1	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-74	**SDG No.:**	S4962
Lab Sample ID:	S4962-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Wol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015698.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	410	10	ug/Kg
53-70-3	Dibenz(a,h)anthracene	12	U	410	12	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18	U	410	18	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	223.69	75 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	211.2	70 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	188.56	94 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	152.88	76 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	259.19	86 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	185.55	93 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146322	2.85			
1146-65-2	Naphthalene-d8	419926	3.63			
15067-26-2	Acenaphthene-d10	313086	4.70			
1517-22-2	Phenanthrene-d10	486376	5.63			
1719-03-5	Chrysene-d12	448428	7.49			
1520-96-3	Perylene-d12	456645	8.64			
TENTITIVE IDENTIFIED COMPOUNDS						
111659	Octane	880	J	1.28		ug/Kg
1678917	Cyclohexane, ethyl-	900	J	1.64		ug/Kg
100414	Ethylbenzene	640	J	1.89		ug/Kg
108383	Benzene, 1,3-dimethyl-	1100	J	1.97		ug/Kg
111842	Nonane	580	J	2.14		ug/Kg
1678928	Cyclohexane, propyl-	820	J	2.35		ug/Kg
17301949	Nonane, 4-methyl-	600	J	2.51		ug/Kg
622968	Benzene, 1-ethyl-4-methyl-	880	J	2.55		ug/Kg
1074437	Benzene, 1-methyl-3-propyl-	630	J	3.00		ug/Kg
99876	Benzene, 1-methyl-4-(1-methyleth	1100	J	3.03		ug/Kg
933982	Benzene, 1-ethyl-2,3-dimethyl-	720	J	3.14		ug/Kg
535773	Benzene, 1-methyl-3-(1-methyleth	680	J	3.46		ug/Kg
4292755	Cyclohexane, hexyl-	630	J	3.78		ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-74	**SDG No.:**	S4962
Lab Sample ID:	S4962-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015698.D	1	10/1/2004	10/5/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
91576	Naphthalene, 2-methyl-	650	J	4.12		ug/Kg
1560958	Tetradecane, 2-methyl-	560	J	4.19		ug/Kg
17312628	Decane, 5-propyl-	890	J	4.23		ug/Kg
581420	Naphthalene, 2,6-dimethyl-	610	J	4.44		ug/Kg
571619	Naphthalene, 1,5-dimethyl-	1500	J	4.50		ug/Kg
629629	Pentadecane	1100	J	4.63		ug/Kg
57103	Hexadecanoic acid	580	J	5.97		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-74DL	**SDG No.:**	S4962
Lab Sample ID:	S4962-13DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015800.D	5	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	200 UJ	UD	2100	200	ug/Kg
108-95-2	Phenol	86	UD	2100	86	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	UD	2100	100	ug/Kg
95-57-8	2-Chlorophenol	90	UD	2100	90	ug/Kg
95-48-7	2-Methylphenol	130	UD	2100	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	UD	2100	110	ug/Kg
98-86-2	Acetophenone	110	UD	2100	110	ug/Kg
106-44-5	3+4-Methylphenols	95	UD	2100	95	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	91	UD	2100	91	ug/Kg
67-72-1	Hexachloroethane	99	UD	2100	99	ug/Kg
98-95-3	Nitrobenzene	110	UD	2100	110	ug/Kg
78-59-1	Isophorone	77	UD	2100	77	ug/Kg
88-75-5	2-Nitrophenol	83	UD	2100	83	ug/Kg
105-67-9	2,4-Dimethylphenol	110	UD	2100	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95	UD	2100	95	ug/Kg
120-83-2	2,4-Dichlorophenol	73	UD	2100	73	ug/Kg
91-20-3	Naphthalene	3200	D	2100	45	ug/Kg
106-47-8	4-Chloroaniline	770	UD	2100	770	ug/Kg
87-68-3	Hexachlorobutadiene	73	UD	2100	73	ug/Kg
105-60-2	Caprolactam	76	UD	2100	76	ug/Kg
59-50-7	4-Chloro-3-methylphenol	61	UD	2100	61	ug/Kg
91-57-6	2-Methylnaphthalene	3700 J	D	2100	36	ug/Kg
77-47-4	Hexachlorocyclopentadiene	52 UJ	UD	2100	52	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	UD	2100	75	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	UD	5200	140	ug/Kg
92-52-4	1,1-Biphenyl	270	JD	2100	61	ug/Kg
91-58-7	2-Chloronaphthalene	43	UD	2100	43	ug/Kg
88-74-4	2-Nitroaniline	75	UD	5200	75	ug/Kg
131-11-3	Dimethylphthalate	50	UD	2100	50	ug/Kg
208-96-8	Acenaphthylene	62	UD	2100	62	ug/Kg
606-20-2	2,6-Dinitrotoluene	88	UD	2100	88	ug/Kg

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Lab Sample ID:	S4962-13DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015800.D	5	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	330	UD	5200	330	ug/Kg
83-32-9	Acenaphthene	46	UD	2100	46	ug/Kg
51-28-5	2,4-Dinitrophenol	91	UD	5200	91	ug/Kg
100-02-7	4-Nitrophenol	200	UD	5200	200	ug/Kg
132-64-9	Dibenzofuran	68	UD	2100	68	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	UD	2100	41	ug/Kg
84-66-2	Diethylphthalate	65	UD	2100	65	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51	UD	2100	51	ug/Kg
86-73-7	Fluorene	59	UD	2100	59	ug/Kg
100-01-6	4-Nitroaniline	160	UD	5200	160	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UD	5200	120	ug/Kg
86-30-6	N-Nitrosodiphenylamine	53	UD	2100	53	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55	UD	2100	55	ug/Kg
118-74-1	Hexachlorobenzene	39	UD	2100	39	ug/Kg
1912-24-9	Atrazine	63	UD	2100	63	ug/Kg
87-86-5	Pentachlorophenol	65	UD	5200	65	ug/Kg
85-01-8	Phenanthrene	46	UD	2100	46	ug/Kg
120-12-7	Anthracene	50	UD	2100	50	ug/Kg
86-74-8	Carbazole	46	UD	2100	46	ug/Kg
84-74-2	Di-n-butylphthalate	28	UD	2100	28	ug/Kg
206-44-0	Fluoranthene	29	UD	2100	29	ug/Kg
129-00-0	Pyrene	37	UD	2100	37	ug/Kg
85-68-7	Butylbenzylphthalate	70	UD	2100	70	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	UD	2100	330	ug/Kg
56-55-3	Benzo(a)anthracene	31	UD	2100	31	ug/Kg
218-01-9	Chrysene	66	UD	2100	66	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	48	UD	2100	48	ug/Kg
117-84-0	Di-n-octyl phthalate	50	UD	2100	50	ug/Kg
205-99-2	Benzo(b)fluoranthene	110 UJ	UD	2100	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	71	UD	2100	71	ug/Kg
50-32-8	Benzo(a)pyrene	36	UD	2100	36	ug/Kg

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Report of Analysis

Client:	Plumley Engineering, P.C.	**Date Collected:**	9/27/2004
Project:	Matt Petroleum Terminal	**Date Received:**	9/30/2004
Client Sample ID:	PSB-74DL	**SDG No.:**	S4962
Lab Sample ID:	S4962-13DL	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE015800.D	5	10/1/2004	10/7/2004	BE092704

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	50	UD	2100	50	ug/Kg
53-70-3	Dibenz(a,h)anthracene	61	UD	2100	61	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90	UD	2100	90	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	210.75	70 %	25 - 121		SPK: 30
13127-88-3	Phenol-d5	253.5	84 %	24 - 113		SPK: 30
4165-60-0	Nitrobenzene-d5	149.95	75 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	196.7	98 %	30 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	232.95	78 %	19 - 122		SPK: 30
1718-51-0	Terphenyl-d14	230	115 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	118088	2.83			
1146-65-2	Naphthalene-d8	460148	3.60			
15067-26-2	Acenaphthene-d10	261450	4.68			
1517-22-2	Phenanthrene-d10	397217	5.61			
1719-03-5	Chrysene-d12	339268	7.49			
1520-96-3	Perylene-d12	238024	8.66			

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Premier Environmental Services

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHAIN OF CUSTODY RECORD

S4962

Page 1 of 1

Project No.: 2003118	Client: *City of Utica*			# of	Site: *Matt's Petro, Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source	Containers	Comp.	Grab	Other	Analyses/Tests Requested
PSB-63	9/27/04	936	SOIL BORING, 8 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-62	9/27/04	1015	SOIL BORING, 8 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-64	9/27/04	1050	SOIL BORING, 1 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-76	9/27/04	1125	SOIL BORING, 7 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-75	9/27/04	1145	SOIL BORING, 5 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-73	9/27/04	1315	SOIL BORING, 4 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-72	9/27/04	1325	SOIL BORING, 3 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-70	9/27/04	1347	SOIL BORING, 7 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
PSB-71	9/27/04	1415	SOIL BORING, 8 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs
EB-1	9/27/04	1430	EQUIPMENT BLANK	4		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs

Relinquished by Signature: Scott A. Zelle Print: Scott A. Zelle	Date/Time: 9/28/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by SHISHIR MEHTA Signature Print	Date/Time: 9/30/04 10:00 AM	

Remarks:

preserved on ice to 4 degree C

use PSB-72 for MS/MSD samples

PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

SC8

CHAIN OF CUSTODY RECORD

SL962

Page 1 of 1

Project No.: 2003118		Client: *City of Utica*		# of Containers	Site: *Matt's Petro Utica, New York*			Sampler's Signature:
Sample No.	Date	Time	Origin/Source		Comp.	Grab	Other	Analyses/Tests Requested
PSB-74	9/27/04	1300	SOIL BORING, 9 FT BGS	2		x		TCL 8260 VOC + 10 TICs 8270 B/N SVOC + 20 TICs

Relinquished by Signature: Scott A. Zollo Print: Scott A. Zollo	Date/Time: 9/28/04	Received by Signature: Print:	Date/Time:	Relinquished by Signature Print	Date/Time:	
Received by: Signature: Print:	Date/Time:	Relinquished by Signature Print:	Date/Time:	Received by SANCHAL MEHTA Signature Print	Date/Time: 10:00 9/30/04	

Remarks:

preserved on ice to 4 degree C

Category B deliveables for these samples

PLUMLEY ENGINEERING, P.C.

Civil and Environmental Engineering

8232 LOOP ROAD, BALDWINSVILLE, NEW YORK 13027

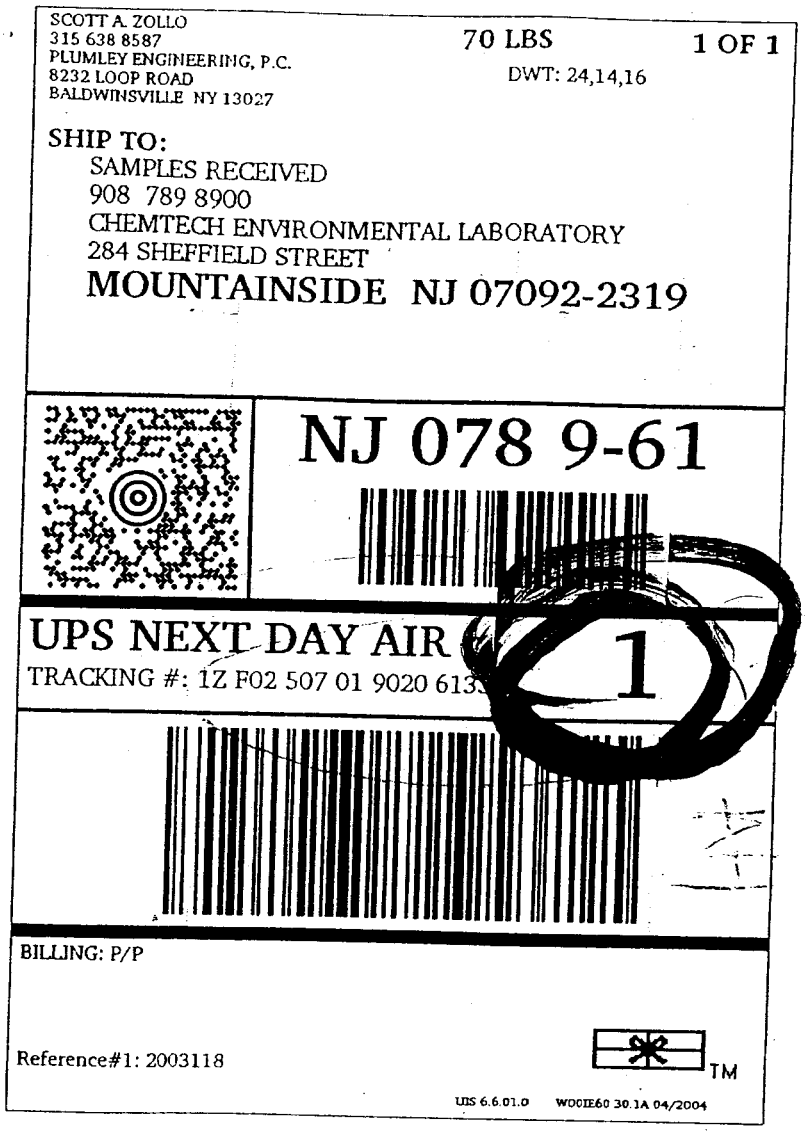
(315) 638-8587 Fax: (315) 638-9740 E-mail: Pros@PlumleyEng.com

PLUMLEY ENGINEERING

856

9/30/04 10:00 Zebra

Code 14
575



SCOTT A. ZOLLO
315 638 8587
PLUMLEY ENGINEERING, P.C.
8232 LOOP ROAD
BALDWINSVILLE NY 13027

70 LBS
DWT: 24,14,16

1 OF 1

SHIP TO:
SAMPLES RECEIVED
908 789 8900
CHEMTECH ENVIRONMENTAL LABORATORY
284 SHEFFIELD STREET
MOUNTAINSIDE NJ 07092-2319

NJ 078 9-61

UPS NEXT DAY AIR

TRACKING #: 1Z F02 507 01 9020 613

1

BILLING: P/P

Reference#1: 2003118

TM

UIS 6.6.01.0 W00IE60 30.1A 04/2004