

PROCESS RESIDUE SAMPLING & ANALYSIS REPORT

Mid-Connecticut
Waste Processing Facility

Prepared for

Connecticut Resources Recovery Authority
Hartford, Connecticut

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PROCESS RESIDUE SAMPLING & ANALYSIS PLAN

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TABLE OF CONTENTS

A. C. C.

Section Section

<u>SECT</u>	<u>PAGE</u>
1.0	INTRODUCTION
2.0	FRONT-END PROCESS RESIDUE SAMPLING PROCEDURES 1 2.1 Collection of One-Hour Composite Samples and TCLP VOC Grab Samples 2 2.2 Collection of Daily Composite Samples 3 2.3 Collection of Quality Assurance / Quality Control (QA/QC) Samples 4 2.4 Equipment Decontamination 5 2.5 Sample Handling 6 2.6 Sample Preparation 6
3.0	ANALYTICAL RESULTS & DATA ANALYSIS
TABI	<u>LES</u>
3-1	Front-End Process Residue Sample Analytical Results – VOC Grabs
3-2	Front-End Process Residue Sample Analytical Results - Daily Composites
3-3	TCLP Lead Statistical Analyses
APPE	ENDICES .
A	Process Residue Sampling & Analysis Plan (TRC, May 2006)
В	VOC Grab Sample Intervals
C	Sample Logs
D	Analytical Data Sheets
E	Statistical Analysis Information

1.0 INTRODUCTION

The Connecticut Resources Recovery Authority (CRRA) owns and operates a refuse-derived fuel (RDF) trash-to-energy facility located at 300 Maxim Road in Hartford, Connecticut. This facility, known as the Mid-Connecticut Waste Processing Facility (WPF), accepts municipal solid waste from seventy Connecticut towns, processes the waste and combusts the RDF for the purpose of generating electricity. Prior to combustion of the RDF, the recyclables (such as metal and glass) and non-combustibles (e.g., grit) are separated from the waste. The non-combustible, non-recyclable materials (primarily grit) are referred to as the front-end process residue. This process residue is deposited into rolloff containers prior to being trucked to the Hartford Landfill for disposal. With the scheduled closure of the Hartford Landfill, CRRA is exploring other options for the future disposal of this material.

A sampling and analysis program was developed to characterize the front-end process residue being generated at the WPF to determine if the material exhibits the toxicity characteristic of hazardous waste pursuant to 40 CFR 261.24 and RCSA 22a-449(c)-101(a). The sampling program was designed to be consistent with the guidance set forth by the U.S. Environmental Protection Agency (EPA) for sampling and analysis in accordance with the EPA's "Test Methods for Evaluating Solid Waste" (SW-846). A sampling program was presented in the April 2006 document entitled "Process Residue Sampling & Analysis Plan", prepared by TRC. A copy of the plan is presented in Appendix A. Sampling of the front-end process residue was conducted in accordance with the sampling plan from May 1, 2006 through May 18, 2006.

The following sections document the front-end process residue sampling procedures and the analytical results of the sampling. Also presented are the results of a statistical analysis of the data in accordance with the SW-486 that will support CRRA in the evaluation of future disposal options for the front-end process residue.

2.0 FRONT-END PROCESS RESIDUE SAMPLING PROCEDURES

As indicated above, sampling of the front-end process residue occurred over the period between May 1, 2006 and May 18, 2006. In order to evaluate the toxicity characteristics of the front-end process residue generated at the WPF, sampling was conducted over an eight-hour period on 14 separate days. This allowed for the collection and analysis of 28 grab samples for

toxicity characteristic leaching procedure (TCLP) volatile organic compound (VOC) analysis only and 14 daily composite samples for the analysis of the following parameters:

- TCLP VOCs via Method 8260B;
- TCLP Semivolatile Organic Compounds (SVOCs) via Method 8270C;
- TCLP Pesticides/Herbicides via Methods 8081A / 8151A; and
- RCRA 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) via Methods 6010B and 7471A (total metals and TCLP).

Each daily composite sample was comprised of eight, one-hour composites collected in accordance with the procedures outlined in subsequent sections of this document. All process residue samples were collected from the conveyor belt that delivers the front-end process residue to the rolloff container, in which it is contained prior to its disposal at the landfill.

The following subsections outline the procedures followed for the collection of the VOC grab samples and the daily composite samples. Also included is information regarding the measures in place throughout the course of the sampling program to ensure the collection of representative samples and proper handling of those samples, as well information on preparation of the samples by the laboratory.

2.1 Collection of One-Hour Composite Samples and TCLP VOC Grab Samples

Each one-hour composite sample consisted of grab samples collected from the front-end process residue conveyor belt at ten-minute intervals, resulting in a total of six grab samples collected per hour. Each grab sample was collected by swiping the head of a shovel across the width of the conveyor belt at the prescribed ten-minute interval. This grab sample, along with the five subsequent grab samples in any given hourly event, was contained in a clean, five-gallon plastic bucket. Each swipe was conducted in a consistent manner to ensure the collection of approximately the same amount of material within each grab sample (assuming a consistent layering of material on the conveyor belt). To prevent extraneous materials from being deposited in the bucket between samples and to maintain the moisture content of the samples, a lid was placed on the bucket between swipes, and after the final grab sample in any given hour was collected. A separate bucket was used for each hourly composite, resulting in a total of eight buckets of hourly composite samples at the end of each day of sampling. Each bucket was labeled with the time of collection, thereby defining the hourly composite contained within.

In order to obtain representative samples to undergo the TCLP VOC analysis, two grab samples were collected per day from the conveyor belt that were not subjected to

homogenization, thereby minimizing the potential for volatilization. One grab sample was collected during the first four hours and a second was collected during the second four hours of each eight-hour work shift. A random number generator was used to determine the ten-minute grab interval during which the TCLP VOC sample was collected (a table outlining the random grab intervals is provided as Appendix B). Subsequent to swiping the shovel across the conveyor belt, but prior to deposition of the sample into the designated five-gallon bucket for subsequent compositing (as described above), an aliquot of the material was collected for TCLP VOC analysis. As designated in the work plan prepared for this sampling, the original intent was to sample the front-end process residue in accordance with the Connecticut Department of Environmental Protection's (CTDEP's) "Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determinants of Volatile Organic Compounds", effective March 1, 2006. This guidance calls for the collection of TCLP VOC samples using the En-Core® sampling device (or equivalent) and freezing or analysis of the sample within 48 hours of collection. As the particle size, in combination with the heterogeneous nature of the materials being sampled prevented the use of the En-Core® sampling device, the TCLP VOC sample aliquots were collected in two-ounce jars with no headspace.

Each TCLP VOC grab sample was assigned a unique identifier in accordance with the following:

Sample matrix-VOC #- sample date (e.g., PR-VOC1-050106).

where:

- "PR" stands for "process residue";
- "VOC1" designates that the sample is a VOC grab sample and the "1" indicates that it is the first VOC grab sample collected on any given day; and
- "050106" stands for the sample date.

All front-end process residue samples were placed on ice in a cooler immediately following collection to preserve their integrity by minimizing the potential for volatile loss.

The overall characteristics of the materials collected over the course of each day were briefly described on sample log sheets, copies of which are contained in Appendix C.

2.2 <u>Collection of Daily Composite Samples</u>

Upon collection of the final hourly composite sample, the sampler transported the eight hourly composite sample buckets to CRRA's vacant Murphy Road facility (referred to as the

Collins Building). Compositing of the samples took place at this location. Each day, a new piece of polyethylene sheeting was spread over the floor in the area where the compositing was conducted. The contents of each bucket were placed into a pile on the poly sheeting for mixing for a ten-minute period using a shovel. Subsequent to mixing, the material was distributed across the poly sheeting to form a square of uniform thickness. The resultant square was then divided into quarters. One shovel swipe of the process residue from each of the four quadrants of the square, mixed together, constituted the daily composite sample. The front-end process residue aliquots obtained from the quadrants were placed on a separate piece of poly sheeting for mixing prior to filling the appropriate laboratory-supplied sampling containers.

Each daily composite sample was assigned a unique identifier in accordance with the following:

Sample matrix-composite #-sample date (e.g., PR-1-050106);

where:

- "PR" stands for "process residue";
- "1" stands for the daily composite number (consecutively 1 through 14); and
- "050106" stands for the sample date.

One composite sample was collected for submission to a Connecticut-certified laboratory for preparation and analysis and an additional daily composite was retained as a spare in a sample refrigerator at TRC's Windsor, Connecticut office. The additional sample aliquots were labeled in the same manner as the samples being submitted to the laboratory, with the exception that the word "spare" was added to the end of the sample designation. These samples remained at TRC for the duration of the sampling program and through receipt of all analytical data. Only one spare sample was submitted for analysis, as discussed further in Section 3.1.

All front-end process residue remaining after the collection of each daily composite was placed into a roll-off container provided by CRRA for subsequent disposal at the Hartford Landfill.

2.3 Collection of Quality Assurance / Quality Control (QA/QC) Samples

Additional samples, as described below, were collected throughout the course of the sampling program to address both field and laboratory QA/QC.

In order to determine the effectiveness of the decontamination of the front-end process residue sampling equipment (as described in more detail in the next section), one field blank sample was collected and analyzed for the same parameters as the daily composites. The field blank (designated "FB051506") was collected prior to collection of the first grab sample on May 15, 2006. The blank was collected by pouring laboratory-supplied water over the sampling equipment used in the collection of the front-end process residue samples. This rinsate water was collected into appropriate laboratory-supplied sample containers.

In order to assess laboratory reproducibility, three duplicate samples (two related to the VOC grab samples and one associated with the daily composite sampling) were collected over the course of the sampling program. The number of duplicates collected was based on a frequency of one per 20 samples. The duplicate samples were collected by alternately filling the sample and duplicate containers. The samples were submitted to the laboratory as "blind duplicates" with the following designations in accordance with the sample nomenclature outlined in the sampling plan: PR-VOC3-051006, PR-VOC4-051606 and PR-15-051006. These samples were subjected to the same suite of analyses as the respective original samples.

Triple the volume of sample was submitted to the laboratory once during the sampling program in order to provide the laboratory with the amount necessary for a matrix spike (MS) and matrix spike duplicate (MSD). The MS/MSD is a laboratory QA/QC measure that allows for the materials being sampled to be spiked with compounds of known concentrations. Upon analysis of the spiked aliquots, the laboratory can determine the degree to which compounds are recovered.

2.4 Equipment Decontamination

As the ultimate goal of the sampling program was to assess the characteristics of the front-end process residue over a 14-day period, the equipment used for sampling (i.e., the shovel and buckets) was decontaminated on a daily basis. Decontamination of the sampling equipment took place in the same building designated for compositing following each day's sampling activities. Decontamination was conducted in accordance with the following procedures:

- 1. Wash with low phosphate detergent (Liquinox) in tap water;
- 2. Rinse with tap water;
- 3. Rinse with distilled water;
- 4. Rinse with 10% ultra pure nitric acid;
- 5. Rinse with distilled water;
- 6. Rinse with pesticide-grade solvent (methanol);
- 7. Air dry on clean polyethylene sheeting;
- 8. Rinse with distilled water;

- 9. Air dry on clean polyethylene sheeting (never wrap clean equipment in polyethylene);
- 10. Wrap in aluminum foil shiny side out (if not being used immediately).

Spent acids and solvents were contained in an appropriately labeled storage container and were disposed of off-site by TRC. Expendable supplies (e.g., poly sheeting and sampling gloves) were disposed of in the trash.

2.5 Sample Handling

Appropriate, laboratory-supplied sample containers were used to minimize potential chemical alteration between the collection of samples in the field and the receipt of samples at the laboratory. The pre-cleaned sample bottles were prepared and shipped to the field by York Analytical Laboratories, Inc., of Stratford, Connecticut. To protect the samples from cross-contamination, the sampler wore disposable gloves during sample collection activities.

As indicated previously, immediately following collection, the sample bottles were placed on ice in a shipping cooler to ensure the cooling and proper maintenance of the sample temperature (4 degrees Celsius). As necessary, additional packing was added to the sample cooler to prevent sample container breakage during transit to TRC's Windsor, Connecticut office. Once at TRC, the samples were placed in a sample refrigerator under appropriate chain-of-custody procedures (as outlined in detail in the sampling plan) to await pick-up by the laboratory the following day. Samples were picked up by the laboratory on a daily basis throughout the sampling program (Saturdays withstanding – the samples collected on Friday were picked up by the laboratory's courier on Monday).

2.6 Sample Preparation

In accordance with Method 1311 as outlined in SW-846, the preparation of the grab and composite samples at the laboratory included particle reduction to 3/8-inch, as determined by passing the material through a sieve with 3/8-inch openings. The material that passed the sieve was put aside and that which did not pass through and which was crushable underwent mechanical reduction.

Based on the laboratory's determination of the pH of the samples, each sample was subjected to TCLP extraction using Fluid #1, in accordance with EPA Method 1311. Subsequent to the extraction, the leachate was analyzed for the following parameters:

- TCLP VOCs via Method 8260B;
- TCLP SVOCs via Method 8270C;
- TCLP Pesticides / Herbicides via Methods 8081A / 8151A; and
- RCRA 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) via Methods 6010B and 7471A.

An additional daily composite sample aliquot was subjected to total RCRA 8 metals analysis.

3.0 ANALYTICAL RESULTS & DATA ANALYSIS

3.1 Analytical Results

The following is an overview of the analytical results obtained over the course of the front-end process residue sampling program. Tables 3-1 and 3-2 present "hits only" summaries related to the grab samples collected twice each day for TCLP VOC analysis and the daily composite samples, respectively. Copies of the analytical data sheets provided by the laboratory are contained in Appendix D. Also presented in the tables are the TCLP regulatory limits as outlined in Table 1 of 40 CFR§261.24, and as incorporated by reference in RCSA 22a-449(c)-101(a). These are the criteria to which the TCLP sample analytical results are compared. Total metals results were evaluated qualitatively.

As indicated in Table 3-1, several compounds were detected in one or more of the grab samples collected for TCLP VOC analysis. Namely, benzene, 1,4-dichlorobenzene, chloroform, methyl ethyl ketone, tetrachloroethylene and trichloroethylene were detected. None of the grab samples exhibited concentrations of TCLP VOCs greater than the TCLP regulatory limits.

Table 3-2 presents the results for the daily composite samples. Three of the six compounds detected in the TCLP VOC grab samples (1,4-dichlorobenzene, methyl ethyl ketone and tetrachloroethylene) were also detected in one or more of the daily composite sample aliquots analyzed for TCLP VOCs. As indicated in Table 3-2, none of these reported concentrations exceeded their respective TCLP regulatory limits.

One daily composite sample collected over the course of the fourteen-day sampling program exhibited a detectable concentration of the semi-volatile compound p-cresol. As shown in Table 3-2, p-cresol was detected in sample PR-8-051006 and its duplicate (PR-15-051006). The reported concentrations did not exceed the TCLP regulatory limits. There were no other SVOCs detected at concentrations above the method detection limits in any of the remaining daily composites.

There were no pesticides or herbicides detected above method detection limits in any of the daily composite samples.

Six metals, including arsenic; barium; cadmium; chromium; lead and mercury, were detected in one or more of the daily composite samples analyzed for TCLP metals. As indicated in Table 3-2, there was one exceedance of the TCLP criteria. A lead concentration of 42.7 parts per million (ppm) was reported for daily composite sample PR-3-050306. Upon receipt of this result and review of the total lead result reported for this sample, which was not of a magnitude to indicate that an elevated leachable lead concentration might be expected, TRC contacted the laboratory. TRC requested that the laboratory personnel review the data to ensure that an analytical or calculation error had not been made. Upon confirmation from the laboratory that there had been no such errors made, the spare daily composite sample for that date (identified as PR-3-050306SPARE) was submitted to the laboratory for total and TCLP lead analyses. The result of the analysis of the spare sample for TCLP lead was two orders of magnitude less than that reported for the original sample, while the total lead concentration reported for the spare sample was similar to that reported originally. As laboratory error was ruled out, it is likely that the differences in the results can be attributed to the inherent heterogeneity of the samples. There is a likelihood, in this particular case, that a piece of metal or other waste containing a high level of lead (perhaps a battery thrown into the household waste stream) was responsible for the elevated TCLP lead concentration exhibited by this one daily composite sample.

As indicated above, an aliquot of each daily composite was also analyzed for total metals. The results of this analysis, as summarized in Table 3-2, were intended to supplement the TCLP metals data, as there are no criteria to which these results can be directly compared as part of this program. As shown in the table, several metals, including arsenic; barium; cadmium; chromium; lead, selenium, silver and mercury, were detected in one or more of the daily composite samples.

No constituents were detected in the field blank sample. In general, the constituents detected in the blind duplicate sample were comparable to the original sample in both the types of constituents detected and the levels at which they were detected.

3.2 Statistical Analysis of Data

As an exceedance of the TCLP limit for lead was detected, a limited statistical evaluation of the TCLP lead results was conducted in accordance with the statistics-based data evaluation process outlined in EPA's "Test Methods for Evaluating Solid Waste" (SW-846).

Initially, the TCLP lead data were evaluated to determine if they are normally distributed. As indicated in SW-846, a simple way of determining if a population is normally distributed is by comparing the mean (\bar{x}) of the sample with the variance of the sample (s^2). In a normally distributed population, the mean would be expected to be greater than the variance of the sample, assuming that the number of samples is reasonably large. The normality analysis was conducted following SW-846's guidance for systematic random sampling, using all of the TCLP lead data with the exception of the spare sample analysis data and the blind duplicate data. As indicated in Table 3-3, the entire data set is not normally distributed (the variance, 128.38, exceeds the mean, 3.35). This is obviously due to the 42.7 mg/L sample result, which is an order of magnitude greater than the next highest sample result and two orders of magnitude greater than the majority of the results.

The next step in the statistical analysis was to evaluate whether the 42.7 mg/L result could be considered a statistical outlier. This evaluation was conducted using Dixon's Extreme Value Test, as described in Guidance for Data Quality Assessment, Practical Methods for Data Analysis, EPA QA/G-9, QA00 Update, EPA/600/R-96/084, July 2000. Dixon's Extreme Value test can be used to test for statistical outliers when the sample size is less than or equal to 25 and is most appropriate when only one outlier is suspected in the data. This test assumes that the data without the suspected outlier are normally distributed, so the first step in the analysis was an evaluation of the normality of the data set without the suspected outlier. As indicated in Table 3-3, when the lead TCLP data without the suspected outlier value are analyzed, the mean (0.32) is greater than the variance (0.084), so the data are normally distributed. A separate analysis of whether an appropriate number of samples was collected (as detailed in Appendix E) confirms that a sufficient number of samples was collected.

The Dixon's Test requires that the data be ordered from the smallest to the largest (i.e., $X_{(1)}, X_{(2)}, ... X_{(n)}$). Where the suspected outlier is much larger than the rest of the data, the following calculation is made:

Where X_n is a potential outlier, compute the test statistic C, where, for $14 \le n \le 25$:

$$C = \underbrace{X_{(n)} - X_{(n-2)}}_{X_{(n)} - X_{(3)}}$$

If C exceeds the critical value from Table A-3 of Appendix A of the EPA document referenced above (see Appendix E) for the specified significance level α , $X_{(n)}$ is an outlier.

For the complete TCLP lead data set, the Dixon's Test calculation is as follows:

$$C = \frac{42.7 - 0.677}{42.7 - 0.134}$$
and $C = 0.987$

Based on a sample size of 14 and the associated α values presented in Table A-3, C is greater than α for all levels of significance. Therefore, it can be concluded that the 42.7 mg/L lead TCLP level is a statistical outlier. Per the EPA guidance document referenced above, the outlier may be discarded from the data analysis if the decision is based on scientific reasoning, as well as statistical analysis. In this case, the samples being analyzed are collected from a heterogeneous waste stream that can include household hazardous wastes. Therefore, it is likely that the sample that exhibited the elevated lead TCLP level happened to contain a waste that had a high lead content and that is not representative of the typical municipal solid waste stream.

To further evaluate this conclusion, a test for normality was conducted on the TCLP data set with the 42.7 mg/L TCLP lead value replaced by the 0.493 mg/L TCLP lead level detected in the spare sample (in essence a duplicate sample collected from the same daily composite as the original sample). This analysis is presented in Table 3-3 and indicates that, when the spare sample is used to represent the daily composite collected on May 3, 2006, the entire data set is normally distributed (the mean, 0.36, is greater than the variance, 0.077). A separate analysis of whether an appropriate number of samples was collected (as detailed in Appendix E) confirms that a sufficient number of samples was collected.

Based on the demonstration that the 42.7 mg/L TCLP lead level is a statistical outlier and the normality of the TCLP lead data sets with the outlier value eliminated or replaced by the spare sample analysis result, the TCLP lead data can be evaluated with respect to compliance with the regulatory TCLP level of 5 mg/L. For each of these data sets (i.e., with the outlier value eliminated or replaced by the spare sample analysis result), all values are less than the TCLP limit; therefore it can be simply be concluded that the data comply with the TCLP limit without any further analysis. Appendix E also includes an analysis of the 90% upper confidence interval for each data set that confirms this conclusion.

3.3 Conclusions

Daily composite samples and VOC grab samples of front-end process residue were collected for TCLP analysis over a 14-day period. No exceedances of TCLP limits were

detected, with the exception of a single daily composite sample collected on May 3, 2006. Statistical analyses confirm that this result is a statistical outlier and, as such, it was eliminated from the data set. Statistical analysis of the remaining TCLP lead sample results indicate that the results are normally distributed, with lead levels that are well below the TCLP lead limit. This was also confirmed by the analysis of an archived duplicate (spare) sample collected from the same daily composite as the sample that exhibited the elevated TCLP lead level. This duplicate sample exhibited a TCLP lead level well below the TCLP lead limit and formed a normally distributed TCLP lead data set when combined with the other TCLP lead data. Based on the sample results, the front-end process residue is not characteristically hazardous based on the toxicity characteristic. The detection of an outlier lead value in one sample is not surprising given that household hazardous wastes are an allowable component of municipal solid waste (MSW) and, occasionally, the presence of such a waste could result in an outlier value when conducting chemical analyses of MSW. The low TCLP lead result for the duplicate sample and the TCLP lead results for all the other composite samples confirms that the presence of such wastes is not pervasive throughout the overall MSW waste stream.

TABLES

Table 3-1
Front-End Process Residue Waste Sample Analytical Results - VOC Grabs
Mid-Connecticut Waste Processing Facility
Hartford, Connecticut

Sample Name:	PR-VOC1-050106 PR-VOC2-050106		206	PR-VOC2-050206	PR-VOC1-050306	906	PR-VOC1-050406	PR-VOC2-050406	PR-VOC1-050506	909	908	PR-VOC2-050806 PR-VOC1-050906 PR-VOC2-050906	PR-VOC1-050906	PR-VOC2-050906	Å.	TCLP
Sample Date: Notes:	05/01/06	96/11/06	souzoeo	05/02/08	05/03/06	05/03/08	05/04/06	90,400,50	90,50,50	90/50/50	90/80/80	90/80/90	90/80/50	90/08/09	98/10/06	Hegulatory Limits
TCLP Volatiles mg/L Method SW846-1311/8260																
Benzene	Q	ą	9	Q	Q	9	2	2	2	9	2	2	9	S	Q	0.5
1,4-Dichlorobenzene	ş	0.007	Q	0.00	0 016	0.008	100	2	2	0.005	2	2	ş	Q	00:00	7.5
Chloroform	2	Q	9	Ş	ð	9	2	2	9	Q	2	2	9	Q	2	Ф
Methyl Ethyl Ketone	2	0.12	2	0.063	0.31	0.064	0.2	0 47	0.12	0.24	4.5	3.7	21	4.8	0.29	200
Tetrachloroethylene	0.007	Q	g	Q	Q	9	2	9	2	Q	9	Q	2	2	Q	0.7
richloroethylene	Q	Q	ð	Q	Q	Q	Q	2	Q	Ð	9	Q	Q	Q	Q	90

Sample Name:	PR-VOC2-051006	PR-VOC3-051006	PR-VOC1-061106	PR-VOC2-051106	PH-VOC2-051006 PR-VOC3-051006 PR-VOC1-051106 PR-VOC2-051106 PR-VOC1-051206 PR-VOC2-051206	$\overline{}$	PR-VOC1-051506 PR-VOC2-051506		PR-VOC1-051606	88	PR-VOC2-051606	PR-VOC1-051706	PR-VOC2-051606 PR-VOC1-051706 PR-VOC2-051706 PR-VOC1-051806	PR-VOC1-051806	PR-VOC2-051806	TCLP
Sample Date:	05/10/06	05/10/06	90/11/06	90/11/06	05/12/06	05/12/08	90/11/90	05/15/08	905/16/06	90716/06	905/16/06	90/11/90	90/11/90	90/11/20	90718/06	Regulatory
						-										Cimits
Notes:		Duplicate of PR-VOC2-051006								Duplicate of PR-VOC1-051606						
TCLP Volatiles mg/L																
Method SW846-1311/8260	_												_			
Benzene	Q	Q	Q	9	2	g	9	9	0.014	2	2	2	ş	9	Q	9.0
1,4-Dichlorobenzene	0.049	0.021	9	0 013	9	0.007	9	0.009	2	2	2	0.007	0.021	0.007	2	7.5
Chloroform	2	2	Q	9	9	2	2	9	0.007	9	2	2	2	2	Q	9
Methyl Ethyl Ketone	9.00	0.46	6.9	0.28	3.9	0.43	0.089	0.28	0.32	0.34	2	0.12	0.27	0.33	0.22	88
Tetrachloroethylene	9000	0.015	Q	9	Q	9	Q	2	2	ð	2	0.012	Q	9	9	0.7
Trichloroethylene	2	Q	Q	g	₽	2	Q	Q	2	9	9000	Q	Q	2	Q	9.5

btes: ND - Not detected above method detection fimits (all confirmed to be less than the respective regulatory criteria) Table 3-2
Front-End Process Residue Sample Analytical Results - Daily Composites
Mid-Connecticut Waste Processing Facility
Hartford, Commecticut

PR2-020206 PR3-050306 PR3	Anseiner Guahum Charonium Charonium Charonium Chromium Chromium Chromium Method SW846 Arsenic Burham Chromium Chromium Chromium Chromium Sweet
PR-3-060000 PR-4-060400 PR-4-060400 PR-4-060400 PR-4-061000 PR-1-061000 PR-1-0610000 PR-1-06100000 PR-1-06100000 PR-1-0610000 PR-1-0610000 PR-1-0610000 PR-1-0610	0.771 0.771 0.005 0.005 0.0005 1.12 0.0008 81.9 81.9 81.9 14.5 0.66 14.5 0.65 0.0008
PR-3-000006 PR-4-000406 PR-6-000006 PR-6-000006 PR-6-000006 PR-1-5-001006 PR-1-6-001006 PR-1-6	0.46 0.005 0.005 0.006 0.254 0.264 0.064 0
PR-4-056106 PR-6-05006 PR-6-05006 PR-7-05006 PR-15-051006 PR-15-05100	0.001 0.001
PH-6-063006 PH-7-063006	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
PH-6-050006 PH-6-051006 PH-6-051006 PH-10-051206 PH-10-051206 PH-10-051206 PH-10-051206 PH-10-051206 O5/10-06 O5	0.45 0.005 0.005 0.012 0
PR-7-0626066 PR-16-061006 PR-16-061006 PR-11-061508 PR-11-061506 PR-1	0.0277 0.0277 0.032 0.0427 0.0427 0.0427 0.0427 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527 0.0527
PR-0-051006 PR-15-051006 PR-10-051206 PR-11-051506 PR-11	0.234 0.024 0.073 0.0779 ND 19.5 13.6 13.6 13.6 13.6 13.6
PR-15-051006 PR-9-051106 PR-10-051206 PR-12-051606 PR-12-051606 PR-12-051606 OS-1706 O	0.326 0.326 0.326 0.134 ND 27.1 11.13 14.6 388 38.3 ND ND
ND	0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057 0.3057
PR-10-051206 PR-11-051506 PR-11-0511006	0.303 0.303 0.303 0.554 0.554 0.554 0.554 0.10 20.11 20.11 20.11 20.11
0.012 0.022 0.014 0.015	0.006 0.006 0.006 0.168 0.168 0.168 0.168 0.168 0.168 0.168 0.168
0.02 0.014 0.018 0.019 0	0.381 ND 0.054 0.176 ND 1.43 8.8.8 ND 755 ND ND ND ND ND ND ND ND ND ND ND ND ND
0.014 0.019 0.014 0.019 0.52 0.46 ND ND N	0.024 0.334 0.033 0.134 ND 24.1 24.1 40.9 ND ND ND
	0.0739 0.073 0.004
	0.430 0.039
FB051508 6051506 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.367 0.367 0.006 0.10 0.677 0.0012 1.4 4.2 1.4 2.46 8.561 ND
	29999 99 299999 99
Programmer	

Notes:

No. Hot detected above method detection limits (all confirmed to be less than the respective regulatory criteria)

No. Not.Analyzed

Rold - Concentration exceeds regulatory limit

Table 3-3
TCLP Lead Statistical Analyses
Mid-Connecticut Waste Processing Facility
Hartford, Connecticut

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100 mg

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Section 1

		Hartford,	Hartford, Connecticut				
							DIXON'S TEST
							Data sorted
	Full Data Normality	ormality	Normality Analyis without	lyis without	Normality Analysis with	lysis with	from smallest
	Analysis	sis	Suspected Outlier	Outlier	Spare 05-03-06 Sample	6 Sample	value to largest
	TCLP Lead		TCLP Lead		TCLP Lead		TCLP Lead Level
Sample ID	Level (mg/L)		Level (mg/L)		Level (mg/L)		(mg/L)
	×	××	×	×z	×	×	X, to X,
PR-1-050106	1.12	1.2544	1.12	1.2544	1.12	1.2544	0.094
PR-2-050206	0.254	0.064516	0.254	0.064516	0.254	0.064516	0.122
PR-3-050306	42.7	1823.29			0.493	0.243049	0.134
PR-4-050406	0.122	0.014884	0.122	0.014884	0.122	0.014884	0.134
PR-5-050506	0.427	0.182329	0.427	0.182329	0.427	0.182329	0.168
PR-6-050806	0.179	0.032041	0.179	0.032041	0.179	0.032041	0.176
PR-7-050906	0.134	0.017956	0.134	0.017956	0.134	0.017956	0.179
PR-8-051006	0.354	0.125316	0.354	0.125316	0.354	0.125316	0.254
PR-9-051106	0.168	0.028224	0.168	0.028224	0.168	0.028224	0.292
PR-10-051206	0.176	0.030976	0.176	0.030976	0.176	0.030976	0.354
PR-11-051506	0.134	0.017956	0.134	0.017956	0.134	0.017956	0.427
PR-12-051606	0.094	0.008836	0.094	0.008836	0.094	0.008836	0.677
PR-13-051706	0.292	0.085264	0.292	0.085264	0.292	0.085264	1.12
PR-14-051806	0.677	0.458329	0.677	0.458329	0.677	0.458329	42.7
TOTAL	46.831	1825.611	4.131	2.321027	4.624	2.564076	
			× .				
Mean TCLP Lead Concentration (x bar):	3.35		0.32		0.33		
Verjones (e ²).	108 38		0.084		0.080		
Standard Deviation (s):			0.29		0.28		

APPENDIX A

"PROCESS RESIDUE SAMPLING & ANALYSIS PLAN" TRC, APRIL 2006

PROCESS RESIDUE SAMPLING & ANALYSIS PLAN

Mid-Connecticut Waste Processing Facility

Prepared for

Connecticut Resources Recovery Authority
Hartford, Connecticut

April 2006

TABLE OF CONTENTS

SECT	<u>ION</u>	PAGE
1.0	INTR	ODUCTION1
2.0	FRON	NT-END PROCESS RESIDUE SAMPLING PROCEDURES 1
	2.1	Collection of One-Hour Composite Samples and VOC Grab Samples2
	2.2	Collection of Daily Composite Samples
3.0	ANA	LYTICAL CONSIDERATIONS
	3.1	Analytical Parameters
	3.2	Quality Assurance/Quality Control (QA/QC) Samples
4.0	PROJ	ECT QUALITY ASSURANCE / QUALITY CONTROL 5
	4.1	Equipment Decontamination
	4.2	Sample Nomenclature & Labeling
	4.3	Sample Handling6
	4.4	Sample Custody and Chain-of-Custody Procedures
5.0	RECO	ORDKEEPING & REPORTING
	5.1	Recordkeeping
	5.2	Reporting8

TABLES

- 1 Sample Container, Preservation, and Holding Time Requirements
- 2 Field Log

1.0 INTRODUCTION

The Connecticut Resources Recovery Authority (CRRA) owns and operates a refuse-derived fuel (RDF) trash-to-energy facility located at 300 Maxim Road in Hartford, Connecticut. This facility, known as the Mid-Connecticut Waste Processing Facility (WPF), accepts municipal solid waste from seventy Connecticut towns, processes the waste and combusts the RDF for the purpose of generating electricity. Prior to combustion of the RDF, the recyclables (such as metal and glass) and non-combustibles (e.g., grit) are separated from the waste. The non-combustible, non-recyclable materials (primarily grit) are referred to as the front-end process residue. This process residue is deposited into rolloff containers prior to being trucked to the Hartford Landfill for disposal.

This document describes a sampling and analysis program developed to characterize the front-end process residue being generated at the WPF to determine if the material exhibits the toxicity characteristic of hazardous waste pursuant to 40 CFR 261.24 and RCSA 22a-449(c)-101(a). This sampling program was designed to be consistent with the guidance set forth by the U.S. Environmental Protection Agency (EPA) for sampling and analysis in accordance with the EPA's "Test Methods for Evaluating Solid Waste" (SW-846).

Specifically, this plan includes the following:

- Front-end process residue sampling procedures
- · Analytical considerations
- Project quality assurance/quality control
- · Recordkeeping and reporting

2.0 FRONT-END PROCESS RESIDUE SAMPLING PROCEDURES

In order to evaluate the toxicity characteristics of the front-end process residue generated at the WPF, sampling will be conducted over an 8-hour period on 14 separate days. This will allow for the collection and analysis of 28 grab samples (for toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs) only) and 14 daily composite samples for the parameters specified in Section 3.1. Each daily composite sample will be comprised of 8, one-hour composites collected in accordance with the instructions outlined below. The process residue samples will be collected from the conveyor belt that delivers the process residue to the rolloff container in which it is contained prior to its disposal at the landfill. The following subsections provide instruction for the proper collection of the VOC grab and daily composite samples.

2.1 <u>Collection of One-Hour Composite Samples and VOC Grab Samples</u>

Each one-hour composite sample will consist of grab samples collected from the process residue conveyor belt at ten minute intervals, resulting in a total of 6 grab samples collected per hour. Each grab sample will be collected by swiping a small, flat-headed shovel across the width of the conveyor belt at the prescribed 10-minute interval. This grab sample (along with the five subsequent grab samples in any given hourly event) will be contained in a clean, 5-gallon plastic bucket. In order to ensure the collection of approximately the same amount of material during each grab interval (assuming a consistent layering of material on the conveyor belt), each swipe should be conducted in a consistent manner (i.e., using the end of the head of the flat shovel each time as opposed to alternating between using the end and side of the shovel head). A lid will be placed on the bucket between swipes, as well as after the final grab sample has been collected, to prevent the addition of unwanted materials in the mixture and to maintain the moisture content of the sample. A separate bucket will be used for each hourly composite, resulting in a total of 8 buckets at the end of each day of sampling. Each bucket will be labeled with the time of collection, thereby defining the hourly composite contained within.

Note that two grab samples will be collected per day (one at a ten-minute grab interval chosen randomly within the first four hours of sampling and the other also at a ten-minute grab interval chosen randomly within the second four hours of sampling) for TCLP VOC analysis. Subsequent to swiping the shovel across the conveyor belt, but prior to deposition of the sample into the designated 5-gallon bucket as described above, an aliquot of the material will be collected into an En-Core® sampler in preparation for analysis. Should the particle size, in combination with the heterogeneous nature of the materials being sampled prevent the use of the En-Core® sampling device, the VOC sample aliquots will be collected in two-ounce jars with no headspace.

2.2 <u>Collection of Daily Composite Samples</u>

Upon collection of the final hourly composite sample, the sampler will move the 8 buckets to a location designated by CRRA for compositing purposes. A new piece of polyethylene sheeting will be spread over the floor in the area where the compositing will take place. The contents of each bucket will be placed into a pile on the poly sheeting for mixing using a shovel. Once the sampler has determined that the contents of the pile have been well

mixed (it is assumed that this will take approximately 10 minutes of mixing and turning the material with the shovel), the material will be distributed across the poly sheeting to form a square. The material will be spread such that its thickness is uniform across the area of the square. The resulting square will then be divided into quarters. One shovel swipe of the process residue from each of the four quadrants of the square will be taken, mixed together, and will constitute the daily composite sample. The process residue aliquots obtained from the quadrants will be placed on a separate piece of poly sheeting in preparation for filling the appropriate laboratory-supplied sampling containers, as specified in Table 1. One composite sample will be submitted to a Connecticut-certified laboratory for preparation and analysis and an additional daily composite will be retained at the facility (in an area designated by CRRA) as a spare sample until all analytical results have been received. All process residue remaining after the collection of each daily composite will be placed into the rolloff at the end of the conveyor system.

3.0 ANALYTICAL CONSIDERATIONS

3.1 Analytical Parameters

The VOC grab and daily composite sample aliquots collected for submittal to the laboratory will be labeled and handled in accordance with the quality assurance measures discussed in subsequent sections of this plan. Each VOC grab and daily composite will be submitted to a Connecticut-certified laboratory for preparation and analysis. The preparation of the sample at the laboratory will include particle reduction to 3/8-inch, as determined by passing the material through a sieve with 3/8-inch openings. The material that passes the sieve will be put aside and that which does not pass through and which is crushable will undergo mechanical reduction. The particles that cannot be reduced to 3/8-inch or less will be discarded from the sample. Each sample will be subjected to TCLP analysis in accordance with EPA Method 1311 and subsequent analysis of the leachate for the following parameters:

- TCLP VOCs via Method 8260B1;
- TCLP Semivolatile Organic Compounds (SVOCs) via Method 8270C;
- TCLP Pesticides / Herbicides via Methods 8081A / 8151A; and
- RCRA 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) via Methods 6010B and 7471A.

An additional daily composite sample aliquot will be subjected to total RCRA 8 metals analysis. Sample volumes, preservation requirements and holding times are summarized in Table 1.

3.2 Quality Assurance/Quality Control (QA/QC) Samples

Additional samples, as described below, will be collected throughout the course of the sampling program to address both field and laboratory QA/QC.

In order to determine the effectiveness of the decontamination of the process residue sampling equipment (as described in more detail in Section 4.1), one field blank sample will be collected and analyzed for the same parameters as the daily composites. The field blank will be collected prior to collection of the first grab sample on one of the sampling days. The blank will be collected by pouring laboratory-supplied water over the sampling equipment used in the collection of the process residue sample. This rinsate water will be collected into appropriate laboratory-supplied sample containers.

In order to assess laboratory reproducibility, one duplicate sample will be collected over the course of the sampling program. This duplicate will be collected by alternately filling the sample and duplicate containers. This sample will be submitted to the laboratory as a "blind duplicate" and will be subjected to the same full suite of analyses as the original sample.

Triple the volume of sample will be submitted to the laboratory once during the sampling program in order to provide the laboratory with the amount necessary for a matrix spike (MS) and matrix spike duplicate (MSD). The MS/MSD is a laboratory QA/QC measure that allows for the materials being sampled to be spiked with compounds of known concentrations. Upon

VOC samples will be collected in accordance with the Connecticut Department of Environmental Protection's (CTDEP's) "Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determinants of Volatile Organic Compounds", effective March 1, 2006. This guidance calls for the collection of TCLP VOC samples using the En-Core® sampling device (or equivalent). In accordance with the guidance, the sample will be frozen or analyzed within 48 hours of collection. Should the particle size, in combination with the heterogeneous nature of the materials being sampled prevent the use of the En-Core® sampling device, the VOC sample aliquots will be collected in two-ounce jars with no headspace.

analysis of the spiked aliquots, the laboratory can determine the degree to which compounds are recovered.

4.0 PROJECT QUALITY ASSURANCE / QUALITY CONTROL

The following is a summary of the various QA/QC protocols that will be followed throughout the sampling program to ensure the collection of representative samples and to ensure proper handling.

4.1 Equipment Decontamination

As the ultimate goal of the sampling program is to assess the characteristics of the process residue over a 14-day period, the equipment used for sampling (the shovel and buckets) will be decontaminated on a daily basis. Decontamination of the sampling equipment will take place prior to the commencement of the sampling program and at the end of each day. It will be conducted in the same area which CRRA designates for compositing. Decontamination will be conducted in accordance with the following procedures:

- 1. Wash with low phosphate detergent (e.g., Alconox, Liquinox) in tap water;
- 2. Rinse with tap water;
- 3. Rinse with distilled water;
- 4. Rinse with 10% ultra pure nitric acid;
- 5. Rinse with distilled water;
- 6. Rinse with pesticide-grade solvent (acetone, methanol);
- 7. Air dry on clean polyethylene sheeting;
- 8. Rinse with distilled water;
- 9. Air dry on clean polyethylene sheeting (never wrap clean equipment in polyethylene);
- 10. Wrap in aluminum foil shiny side out (if not being used immediately).

Spent acids and solvents will be contained in an appropriately labeled storage container and ultimately disposed of off-site by TRC. Expendable supplies (e.g., poly sheeting and sampling gloves) will be disposed of in the trash.

4.2 Sample Nomenclature & Labeling

The grab samples collected twice daily for VOC analysis will be assigned a unique identifier in accordance with the following:

Sample matrix-VOC #- sample date (e.g., PR-VOC1-040106).

where:

- "PR" stands for "process residue";
- "VOC1" designates that the sample is a VOC grab sample and the "1" indicates that it is the first VOC grab sample collected on any given day; and

**

• "040106" stands for the sample date.

Each daily composite sample will be assigned a unique identifier in accordance with the following:

Sample matrix-composite #-sample date (e.g., PR-1-040106);

where:

- "PR" stands for "process residue";
- "1" stands for the daily composite number (consecutively 1 through 14); and
- "040106" stands for the sample date.

The sample aliquots collected to remain on-site will be labeled in the same manner as the samples being submitted to the laboratory, with the exception that the word "spare" will be added to the end of the sample designation. The duplicate sample collected as part of this program will be given a daily composite number of 15 within the identification and the additional sample volume collected for the MS/MSD will simply include the designation "MS/MSD" after the sample identification.

The sample labels will also include the sampler's initials, date and time of sample collection, number of containers per parameter (e.g., 1 of 2, etc.), preservation (if any), and requested analyses. Sample labels will be completed for each sample using water-resistant ink. Labels will be wrapped with transparent packing tape to ensure adherence to the sample bottle and to protect against moisture.

4.3 Sample Handling

Appropriate, laboratory-supplied sample containers will be used to minimize potential chemical alteration between the collection of samples in the field and the receipt of samples at the laboratory. The pre-cleaned sample bottles will be prepared and shipped to the field by the

subcontracted analytical laboratory within a sealed shipping cooler. The sampler will wear disposable gloves during sample collection activities to protect the samples from cross-contamination.

Immediately following sample collection, each glass sample container will be placed in an individual bubble-wrap bag to minimize the chance of breakage. In preparation for transport to the laboratory and immediately following collection, the sample bottles will be placed on ice in a shipping cooler. This will ensure the cooling and proper maintenance of the sample temperature (4 degrees Celsius) and will protect them from temperature extremes, light, breakage and water damage. When the cooler is filled, additional absorbent, non-combustible packing material (e.g., vermiculite, bubble wrap) will be added so that the samples will not shift during transit.

Samples will be delivered to the laboratory on a daily basis to comply with best sample management practices and to allow for all sample holding times specified in Table 1 to be met.

Spare samples to be housed at the facility until the analytical results are obtained will be maintained in ice-filled coolers or in a refrigerator.

4.4 <u>Sample Custody and Chain-of-Custody Procedures</u>

The person responsible for conducting the sampling is responsible for the management and custody of the samples until they are transferred in accordance with the procedures described herein.

A chain-of-custody record will accompany each sample from initial sample collection in the field through its documented delivery to the laboratory. One copy of the chain-of-custody will be retained by the sampler upon relinquishing the samples. The chain-of-custody documentation should include: (1) the sample number, date and time of collection; (2) the analyses to be performed; (3) the signature of the sampler; and (4) the signatures of the individuals relinquishing and receiving the samples. TRC will make arrangements to have the samples transported to the laboratory via courier service.

5.0 RECORDKEEPING & REPORTING

5.1 Recordkeeping

Recordkeeping associated with the implementation of this plan includes the documentation of the collection of samples in the field and the maintenance of chain-of-custody records and analytical results received from the laboratory.

The collection of each sample will be logged into a field notebook. A sample field log format is provided in Table 2.

5.2 Reporting

Upon receipt of the analytical results, a report will be generated which outlines the details of the sampling efforts over the duration of the program. Analytical results will be presented and compared to the TCLP regulatory limits as outlined in Table 1 of 40 CFR§261.24, and in RCSA 22a-449(c)-101(a). If exceedances of TCLP limits are detected, a limited statistical evaluation will be conducted in accordance with the statistics-based data evaluation process outlined in EPA's "Test Methods for Evaluating Solid Waste" (SW-846).

TABLE 1 SAMPLE CONTAINER, PRESERVATION, AND HOLDING TIME REQUIREMENTS

Process Residue Sampling CRRA – Mid-Connecticut Waste Processing Facility

Container	Preservation	Holding Time ¹
1-25 g. En-Core (or equivalent) sample cup	Cool 4°C	Freeze or analyze within 48 hours. If frozen, thaw and analyze within 14 days.
1-8 oz. wide-mouth amber glass jar with Teflon-lined cap	Cool, 4°C	Extract within 14 days; analyze within 40 days of extraction.
1-8 oz. wide-mouth amber glass jar with Teflon-lined cap	Cool, 4°C	Extract within 14 days; analyze within 40 days of extraction.
1-8 oz. wide-mouth amber glass jar with Teflon-lined cap for each analysis	Cool, 4°C	Mercury – Analyze within 28 days. Other metals – Analyze within 180 days.
	1-25 g. En-Core (or equivalent) sample cup 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap	1-25 g. En-Core (or equivalent) sample cup 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap 1-8 oz. wide-mouth amber glass jar with Teflon-lined cap for

Holding time begins at the time of sample date collection.

TABLE 2 DAILY FIELD LOG

CRRA – Mid-Connecticut WPF Process Residue Sampling

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
		1	1	
		2	1	
		3	1	
		4	1	
		5	1	
		6	1	-
		7	2	
		8	2	
		9	2	
		10	2	
		11	2	
		12	2	
		13	3	
		14	3	
		15	3	
		16	3	
		17	3	
		18	3	
		19	4	
		20	4	
		21	4	
_		22	4	
		23	4	
		24	4	
		25	5	
		26	5	
		27	5	
		28	5	
		29	5	` ` `
		30	5	
		31	6	-
		32	6	
		33	6	-
		34	6	
		35	6	
		36	6	

TABLE 2 DAILY FIELD LOG

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: _____

Date	Time	Grab Sample	Hourly Composite	Observations / Notes
		#	#	
		37	7	-
		38	7	
		39	7	
		40	7	
		41	7	
		42	7	
		43	8	
		44	8	
·		45	8	
		46	8	
		47	8	-
		48	8	

Daily Composite #:	•	<i>P</i> .	
Sample ID:		**	
Sample Date:			
Analyses:			
Date Sent to Lab:			

AOC CBYB SYMLEE INLEBAYFS VLEENDIX B

VOC Grab Sample Interval Determination Process Residue Sampling Program CRRA – Mid-Connecticut Waste Processing Facility Hartford, Connecticut May 2006

Day	Grab 1 (First 4 hours)	Grab 2 (Second 4 hours)
2	2/3	4/1
3	2/2	7/3
4	2/5	7/2
5	1/4	7/5
6	3/1	5/2
7	1/5	8 / 1
8	1/2	7/3
9	1/2	5/2
10	2/4	7/3
11	1/5	8 / 1
12	2/2	7/5
13	1/4	6/4
14	3 / 4	7/4

Notes: The first number in the sequence represents the hour and the second number represents the ten-minute interval during which the VOC grab samples shall be collected. These values are based on a random number generator.

APPENDIX C SAMPLE LOGS

TABLE 2 DAILY FIELD LOG

CRRA - Mid-Connecticut WPF Process Residue Sampling

Sampler: <u>Vladunir</u>

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
5/1/06	0920	1	1	Grit (bluck) Stymphone, paper, lowes Sticks time metal and stass Conveyer change
, , , , , , , , , , , , , , , , , , , ,	0930	2	1	Sticks time metaland stari
	0940	3	1	(marener channo
	0950	4	1	
	1000	. 5	1	Alut more Starrychione, plant
	1010	6	1	moterial
	1020	7	2	
	1030	8	2	Conveyer change
	1040	9	2	
	1050	10	2	
		11	2	
	1010	12	2	
	1120	13	3	
	1130	14	3	
,	1140	15	3	
	1150	16	3	
	1200	17	3	,,,
	1210	18	3	·
	1220	19	4	
	12 30	20	4	
	1240	21	4	
	1250	22	4	
	1300	23	4	
	13.10	24	4	
	1320	25	5	
	1330	26	5	·
	1340	27	5	
	13 40	28	5	
	1400	29	5	. ,
	1410	30	5	
	1420	31	6	
	1430	32	6	
	1440	33	6	
	1450	34	6	
	1410 1410 1420 1430 1440 1450	35	6	
	1510	36	6	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: //adimit

Date	Time	Grab	Hourly	Observations / Notes
		Sample	Composite	
		#	#	
5/1/06	152D	37	7	
-7.7	1520	38	7	
	1540	39	7	
	1950	40	7	
	1600	41	7	
	1610	42	7	
	1620	43	8	
	1640	44	8	
	1650	45	8	
	1700	46	8	
	1710	47	8	
	1720	48	8	

Daily Composite #:	z -
Sample ID: PR - 1-050106	-
Sample Date: 05/01/06	
Analyses: RCRA-8 Metals, TCLI	netals, TCLP Post/Herb, TCLP SVOCS + VOCS
Date Sent to Lab: 05/p2/06	•

CRRA - Mid-Connecticut WPF

Process Residue Sampling

Sampler: //adimit

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes	
05/02/06	0800	1	1	Grit Strong ne alant	-
1/4/00	0810	2	1	Grit, Stamphowe, plant material (leaves, twigs) paper trace glass, plastic and metal	
	0800	3	1	DURAN SINCE MISS	
	0830	4	1	plactic and metal	1
	0840	5	1	programme and the	
	0850	6	1	,	7
	0900	7	2		7
_	0910	8	2		٦.
j.	0920	9	2		
	0930	10	2	PR-VOC3-050206 collected	
:	0940	11	2.		
·	0950	12	2		
	1000	13	3		
	1010	14	3		
	1020	15	3	no sample taken Comeyer empty	Takan 102
	1030	16	3		
	1040	17	3		
	1050	18	3		
	1100	.19	4	Collect PR-VO14-050206	
	1100	20	4		
	1120	21	4		
	1130	22	4		:
•	1140	23	4		
	1150	24	4		
	1200	25	5	•	
	1210	26	5		
	1220	27	5		
	1230	28	5		
	12 40	29	5	, ,	
	1250	30	5		
	1300	31	6		
	1310	32	6		
	1320	33	6		
	1330	34	6		
1	1340	35	6		
	1350	36	6		

CRRA – Mid-Connecticut WPF

Process Residue Sampling

Sampler:	

Date	Time	Grab Sample	Hourly Composite	Observations / Notes
		#	#	
25/02/06	1400	37	7	
	1410	38	7	
	1420	39	7	
	1430	40	7	
	14 40	41	7	
	1450	42	7	
	1500	43	8	
	15 10	44	8	
	1520	45	8	•
	1530	46	8	
	1540	47	8	
	1550	48	8	

Daily Composite #: 4R-2-05020 C

Sample ID: PR - 2 -0 5 02 06

Sample Date: 05/02/06

Analyses: RIRA-8 Metals, TELY Post/HOVB, TELL Metals, TELP VOES, S NOCS

Date Sent to Lab: 05/03/06



CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladimir

10 10 10 10 10 11 11 11 11 11 11 11 11 1	50 00 20 20 30 40 50	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1 1 1 1 1 1 2 2 2 2 2 2 2 2 3 3	Grit (Bluck) pager, plant maderial (keuns tungs) potatol. orange peels, stroppione, pucking maderial, trace glas metal and plastics (otlect PK-voc1-050306
10 10 10 10 10 10 10 10 10 10 10 10 10 1	840 850 900 910 20 90 90 50 00 20 30 40 30 60 60	3 4 5 6 7 8 9 10 11 12 13 14 15	1 1 1 1 2 2 2 2 2 2 2 3 3	
0 2 0 9 0 9 0 9 0 9 10 0 10 0 10 0 10 10 10 10 10 10 10 10	850 900 10 20 30 40 50 00 20 30 40	4 5 6 7 8 9 10 11 12 13 14 15	1 1 1 2 2 2 2 2 2 2 3 3 3	
10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	900 910 20 90 90 50 00 20 30 90 90 90 90 90 90 90 90 90 9	5 6 7 8 9 10 11 12 13 14 15	1 1 2 2 2 2 2 2 2 3 3 3	
10 10 10 10 10 10 10 10 11 11	10 20 30 40 50 00 20 20 30 40	6 7 8 9 10 11 12 13 14 15	1 2 2 2 2 2 2 3 3 3	
09 09 09 10 10 10 10 10 10 11 11 11 11 11 11 12 12 13	20 30 40 50 00 20 30 30	7 8 9 10 11 12 13 14 15	2 2 2 2 2 2 3 3 3	
09 09 10 10 10 10 10 10 11 11 11 11 11 11 11	40 50 00 20 20 30 40 50	8 9 10 11 12 13 14 15	2 2 2 2 2 3 3 3	Collect PR-WCI-050306
09 09 10 10 10 10 10 10 11 11 11 11 11 11 11	40 50 00 20 20 30 40 50	9 10 11 12 13 14 15	2 2 2 2 3 3 3	Collect PK-VOCI-050306
09 10 10 10 10 10 11 11 11 11 11	50 00 20 20 30 40 50	10 11 12 13 14 15	2 2 2 3 3 3	
100 100 100 100 110 110 110 110 120 120	10 20 30 30 50	11 12 13 14 15	2 2 3 3 3	
100 100 100 100 110 110 110 110 120 120	10 20 30 30 50	12 13 14 15	2 3 3 3	
10 10 10 10 11 11 11 11 11 15 120 12 13	20 30 40 50	13 14 15	3 3 3	
103 103 103 114 115 120 120 120 120 120 120 120 120 120 120	30 30 50	14 15	3 3	
103 105 111 1113 113 114 115 120 121 131	50	15	3	
10 11 11 11 11 11 12 13 13 13	50			•
116 113 113 114 115 120 13	0	16		· · · ·
11/3 1/3 1/4 1/5 1/30 1/3 1/3			3	
11: 11: 11: 11: 11: 12: 13: 13: 13: 14: 15: 16: 17: 17: 17: 17: 17: 17: 17: 17	10	17	3	7
11 3 114 115 120 13 13		18	3	·
1/4 115 120 12 13 13 13		19	4	
15 120 12 13 13 13 14		20	4	
130 13 13 13 13	4	21	4	
12 13 13		22	4	
13	10	23	4	
13	120	24	4	
16	230	25	5	
	240	26	5	•
<i></i>	250	27	5	
,	300	28	5	
	3/0	29	5	, .
	1320	30	5	. `
	3 30	31	6	
12	40	32	6	f
- 12	10	33	6	
13	5/2	34	6	
	50	35	6	·
	50 400		6	

CRRA - Mid-Connecticut WPF

Process Residue Sampling

Sampler:	
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Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/103/06	1430	37	7	
707	1440	38	7	
	1450	. 39	7	Collect 18V022-050206
	1500	40	7	
	1510	41	7	· · · · · · · · · · · · · · · · · · ·
	1520	42	7	N
	1530	43	8	·
	1540	44	8	
	1550	45	8	
	1600	46	8	
	1620	47	8	
	1620	48	8	

Daily Composite #:	<i>y</i> ,	
Sample ID: PR - 3 - 050206		
Sample Date: 25/03/06	,	
Analyses: RIRA-8 Metals, SPHT Metals, Past /Herb,	TELP VOCS	ssoc.
Data Sant to Labor 15/0 #/-6		

$CRRA-Mid\hbox{-}Connecticut\ WPF$

Process Residue Sampling

Sampler: Vladimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/04/06	0820	1	1.	Corita stare phone, Plant material (leones trigs) wood lapor, (race glass, plantic, metal No waste on comeser No waste on conveyer
	0830	. 2	1	material (leaves tries) wood
	0840	3	1	lapor (race glass, plastic, netel
	0850	4	1	No waste on comeser
	0900	5	1	No waste on laurever
	0910	6	1	Collect PR. VOCI-050406
	0 920	7	2	
	0930	8 /	2	
	0940	9	2	
	0950	10	2	
	1000	11 1	2	
	1010	12	2	
	1020	13	3	
	1030	14	3	
_	1040	15	3	
	1050	16	3	- F
	1100	17	3 5	
	1110	18	3	
	1120	19	4	
	1130	20	4	
	1140	21	4	
	1150	- 22	4	
	1200	23	4	
	1210	24	4	
	1220	25.	5	
	1230	26	5	
		27	5	
_	12 40	28	5	
	1300	29	5	, , ,
	13/0	30	5	
	1320	31	6	
	1330	32	6	
	1340	33	6	
	1350	34	6	-
	1/10	35	. 6	
		36	6	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: <u>Vladimir</u>

Date	Time	Grab	Hourly	Observations / Notes
		Sample	Composite	
		#	#	
05/04/06	1420	37	7	
7 7	1430	38	7	
	1440	39	7	
	1450	40	7	
_	1500	41	7	,
	1510	42	7	,
	1520	43	8	
	1530	44	8	
	1540	45	8	
	1550	46	8	
	1600	47	8	·
	16/0	48	8	

Daily Composite #:	
Sample ID: PR - 4 - 050 406	
Sample Date: 05/04/06	
Analyses: RCRA-8 Metalg-TCLP Netals, Prest/Herb f. TCL	P VOC3+SVOCA
Date Sent to Lab: 05/05/06	

CRRA - Mid-Connecticut WPF

Process Residue Sampling

Sampler: V/a dimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/05/06	0750	1	1	(leads things, potents, evans slikes stywww. noch, glass, metal, plashic
7-7-	0800	2	1	(leals mig), pototos.
	0 810	3	1	oran Slies Styaboum
	0.820	4	1	mail, aless, metal,
	0830	5	1	plastic
	0840	6	1	· · · · · · · · · · · · · · · · · · ·
	0850	7	2	
	0900	8	2	
	0910	9	2	
_	0920	10	2	
	0930	11	2	
	0940	12	2	
	0956	13	3	
	1000	14	3	
	1010	15	3	
	1020	16	3	<i>P</i> .
	1030	17	3	
	1040	18	3	
	1050	19	4	
	1100	20	4	
	1110	21	4	
	1120	22	4	
	1130	23	4	
	1140	24	4	
	1150	25	5	
	1200	26	5	
	1210	27	5	
	1220	28	5	
	1230	29	5	, ,
	1240	30	5	
	1250	31	6	
	1300	32	6	
	13/0	33	6	
	1320	34	6	
	1330	35	6	
<u> </u>	1340	36	6	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF

Process Residue Sampling

Sampler:

Date	Time	Grab Sample	Hourly Composite	Observations / Notes
		#	#	
05/05/06	1350	37	7	
	1400	38	7	
	14/0	39	7	
	1420	40	7	
	1430	41	7	·
	14 40	42	7	
	1450	43	8	
	1500	44	8	
· · · · · · · · · · · · · · · · · · ·	1510	45	8	
	1520	46	8	
	1630	47	8	

8

Daily Composite #:	<i>k</i> ·
Sample ID: 18-5 - 05-05-06	
Sample Date: 05/05/06	
Analyses: RCRA-8. Mestels. TUP Metyls,	TUP POST/Herb, TUP VOCS SUNCS
Date Sent to Lab: 05 /08/06	

48

1540

CRRA - Mid-Connecticut WPF Process Residue Sampling

Sampler: //odimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/08/06	0810	1	1	(Leace, tuigs), suts stanteum, town, Plustic Metal, glass.
	0320	2	1	(leace, tuigs), puts
	0830	3	11	stanfeum, four, Plustic
	0840	4	11	netal aluss.
	0850	5	11	
	0900	6	1	,
	0910	7	2	
	0 920	8	2	
	0930	9	2	4.1
	0940	10	2	
	0950	11	2	
	091000	12	2	
	10/6	13	3	
	1020	14	3	
	1030	15	3	
	1040	16	3	
	1050	17	3	- 3.2
	1100	18	3	
	11.10	19	4	
	1120	20	4	
	1130	21	4	
	1140	22	4	·
	1150	23	4	·
	1200	24	4	
	1210	25	5	
	1220	26	5	
	1236	27	5	
	1240	28	5	
	1250	29	5	
	1300	30	5	
	13/0	31	6	
	1320	32	6	
	1330	33	6	
	1340	34	6	
		35	6	
· · · · · · · · · · · · · · · · · · ·	50	36	6	
		30	0	

$CRRA-Mid\text{-}Connecticut\ WPF$

Process Residue Sampling

Sampler:	Vladin i
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Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/08/06	1910	37	7	
	1420	38	7	
	1436	39	7	
	1440	40	7	· ·
	1450	41	7	·
	1500	42	7	,
	1510	43	8	
	1520	44	8	
	1530	45	8	
	1540	46	8	
	1550	47	8	
	1600	48	8	

Daily Composite #:	* -
Sample ID: PR - 6 - 050806	
Sample Date: 05 08 0 6	
Analyses: RCRA & Metals, TCLP Notuls, TCLP Best/ H	LEND, TUP 10CS +SIOCS
Date Sent to Lab: 05/09/06	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Wadimit	Sampler:	Vadumi
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Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
1/09/06	0810	1	1	onit. I predded purse
	0820	2	1	plant menteria (legres
	0830	3	1	turns) Store from
	0840	4	1	mue plastic, 9/255 metal
	0850	5	1	ont phredded page plant materia (leaves, trings) styrefrom, plassic, glass, metal Collect PR-voll-050906
	0900	6	1	
	0910	7	2	
	0920	8	2	
	0930	9	2	
	0940	10	2	
	0950	11	2	
	1000	12	2	
	1010	13	3	
	1020	14	3	
	1030	15	3	
	1040	16	3	
	1050	17	3	
	1100	18	3	
	1110	19	4	
	1120	20	4	
	1130	21	4	
	1140	22	4	
	1150	23	4	
	1200	24	4	
	1210	25	5	
	1220	26	5	
	1230	27	5	
	1240	28	5	
	1250	29	5	, ,
	1300	30	5	
	1310	31	6	
	1320	32	6	
	1330	33	6	
	13 40	34	6	
	1350	35	6	
	200	36	6	

CRRA - Mid-Connecticut WPF Process Residue Sampling

Sampler:	Vladimil
•	

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
14/6		37	7	(
1420		38	7	
1470		39	7	
1440		40	7	***************************************
1458		41	7	
1500		42	7	
1510		43	8	
1520		44	8	
1530		45	8	
1540		46	8	
15.50		47	8	
1600		48	8	

Daily Composite #:	F.,
Sample ID: PR - 7 - 050906	
Sample Date: 05/09/06	
Analyses: RCKA-8 Metals, TCL/Metals, TELP Post/Her	1, TEMP VOLS + SVOCS
Date Sent to Lab: 05/10/06	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/10/06	0810	1	1	
	0820	2	1	whet PR-VOCI-051006
	0830	3	1	
	0840	4	1	
	0850	5	1	,
	0900	6	1	, , , , , , , , , , , , , , , , , , , ,
	0910	7	2	
	0920	8	2	
	0930	9	2	
	0940	10	2	
	0950	11	2	
	1000	12	2	
	1010	13	3	
	1020	14	3	
	1030	15	3	
	1040	16	3	
	1050	17	3	
	1100	18	3	
	1110	19	4	
	1120	20	4	· ·
	1130	21	4	
	1140	22	4	···
	1150	23	4	
	1200	24	4	
	1210	25	5	
	1220	26	5	
	1230	27	5	
	1240	28	5	
	1250	29	5	
	1300	30	5	
	1310	31	6	
	1320	32	6	
		33	6	
	1330	34	6	
	1340	35	6	
		36	6	
	1400		<u> </u>	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladimit

Date	Time	Grab	Hourly	Observations / Notes
		Sample	Composite	f
		#	#	
~	1410	37	7	
	1420	38	7	
	1430	39	7	
	1440	40	7	PR-VOEZ-05/008 + PR-VOE3-051000
-	1450	41	7	
	1500	42	7	,
	1510	43	8	
	1520	44	8	
	1530	45	8	
	1540	46	8	
	1550	47	8	
	1600	48	8	

builty composite #
Sample ID: 18-3-051006
Sample Date: 05/10/06
Analyses: RIRA-8 Metals, TILL Metals, TELP Pest/Herb, TILLY VOCS 15 YOCS
Date Sent to Lab: 05/11/06

CRRA – Mid-Connecticut WPF

Process Residue Sampling

Sampler: Vladimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/11/06	0320	1	1	
	0830	2	1	Collect PR-VOCI-051106
	0 % 40	3	1	
	0850	4	1	
	0900	5	1	
	0910	6	1	
	0920	7	2	
	0930	8	2	
	0940	9	2	
	0950	10	2	
	1000	11	2	
	1010	12	2	
	1020	13	3	
	1030	14	3	
	10 40	15	3	
	1050	16	3	·
	1100	17	3	
	1110	18	3	
	1120	19	4	
	1130	20	4	
	1140	21	4	
	1150	22	4	
	1200	23	4	-
	1210	24	4	
	1220	25	5	
	1230	26	5	Collect PR- VOL2-051106
	1240	27	5	, , ,
	1250	28	5	
	1300	29	5	,
	1340	. 30	5	
	1320	31	6	
	1330	32	6	·
	1340	33	6	
	1350	34	6	
	1400	35	6	
	10	36	6	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: <u>Vlodimiv</u>

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
	1420	37	7	
	1430	38	7	
	1440	39	7	
	1456	40	7	
	1500	41	7	
	1610	42	7	
	1520	43	8	
	1530	44	8	
	1540	45	8	
	,550	46.	8	
	1600	47	8	
	1610	48	8	

Daily Composite #:	K
Sample ID: <i>PR - 9- 05 1/06</i>	
Sample Date: 05/11/06	
Analyses: LLRA-8 Metals, TCCI Metals,	TELP POST/PEID, ECLP VOCEISVOCE
Date Sent to Lab. 65/2/2/	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladimir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/12/06	0310	1	1	
	0 820	2	11	
	0830	3	1	
	0340	4	1	
	0850	5	1	
	0900	6	1	
	0910	7	2	
	0920	8	2	
	0930	9	2	
	0940	10	2	
	0960	11	2	
	1000	12	2	
	1010	13	3	
	1020	14	3	
	1030	15	3	
	1040	16	3	
	1056	17	3	, ,
	11.00	18	3	
	1110	19	4	
	1120	20	4	
	1130	21	4	
	ÍLYO	22	4	
	1156	23	4	
	1200	24	4	
	1210	25	5	
	1220	26	5	
	1230	-27	5	
	1240	28	5	
	1256	29	5	
	1	30	5	
	1300	31	6	
	1310	32	6	
	1326	33	6	
	1330	34	6	
	1340	35	6	
	1350	36	6	

CRRA - Mid-Connecticut WPF

Process Residue Sampling

Sampler:	
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Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/12/06	1410	37	7	
	1420	- 38	7	
	1436	39	7	
	1440	40	7	
	1450	41	7	
	1500	42	7	,
	15/6	43	8	
	1520	44	8	· ·
	1530	45	8	
	1540	46	8	
	1550	47	8	
	1600	48	8	

Daily Composite #:	9.
Sample ID: 18-10-0 5120 6	•
Sample Date: 05/12/06	
Analyses: R(RA-8 Metals, TUP Metals, TUP 1051/Her	b, Top vocs+ suxs
Date Sent to Lab: 05/15/06	

CRRA - Mid-Connecticut WPF

Process Residue Sampling

Section Section

Mary Co.

Sampler: Vladiniv

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/15/06	0905	. 1	11	Gnit Ghordded Paper.
77	0915	2	1	Plant material, / leves
	0925	3	1	trias, grass) food
	0935	4	11	(Peants, potatos, canots).
	0945	5	1	(in thredded Paper. Plant material, (leases Avige, grass) tood (Pocts, potetos, canots). Plast (metal, glass, maist
	0955	6	1	
	1005	7	2	
	10.15	8	2	<u> </u>
	1025	9	2	
,	1035	10	2	
	1045	11	2	
	1055	12	2	· · · · · · · · · · · · · · · · · · ·
	1105	13	3	<u> </u>
	1115	14	3	
	1125	15	3	
	1135	16	3	
	. 1145	17	3	W.,
	1155	18	3	·
<u> </u>	1205	19	4	
	1215	20_	4	
	1225	21	4	
_	1235	22	: 4	
	1245	23	4	
	1255	24	4	
	1305	25	5	
	1815	26	5	
	13.25	27	5	
	1335	28	5	
	13 45	. 29	5	, ,
	1355	30	5	
	1405	31	6	
	1415	32	6	
	14.25	33	6	
	1435	34	6	
	14 45	35	6	
	1455	36	6	

CRRA - Mid-Connecticut WPF Process Residue Sampling

Sampler: __________

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
25/15/06	1505	37	7	
	15.15	38	7	
	1525	39	7	
	1535	40	7	
	1545	41	7	,
	1555	42	7	,
	1605	43	8	
	1615	44	8	
	1625	45	8	
	1635	46	8	
	1645	47	8	
	1655	48	8	-

Daily Composite #:		•
Sample ID: PR - 11-05/506		
Sample Date: 05/15/06		
Analyses: RLRA. 8 Metub, TULA MEEL,	TRUP VOCATSIDES	
Date Sent to Lab: 05/16/06		

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladinir

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/16/06	0310	1	1	plant material, (+nigs, tenes, grass) food (leanners, potato churks, correts) (igame Hes, plastic, metal, glass.
	0820	2	1	plant material,
	0830	3	1	(trics, frames, arass)
	0840	4	1	Good I learnits, estato
	0850	5	1	churks (arrots)
	0900	6	1	Ciname Hes, plastic metal.
	p910	7	2	51043.
	0920	8	2	
	0930	9	2	
	0940	10	2	
	0956	11	2	
	1000	12	2	
	1010	13	3	
	1020	14	3	
	1070	15	3	
	1040	16	3	
	1050	17	3	
	1100	18	3	
	1110	19	4	
	1120	20	4	
	1130	21	4	
	1140	22	4	
	1150	23	4	
	1200	24	4	
	1210	25	5	
	1220	26	5	
	1230	27	5	
	1240	28	5	
	1	29	5	` ` ` `
	1250	30	5	
	1310	31	6	
	1320	32	6	
·	1330	33	6	
		34	6	
	1340	35	6	
	1350	36	6	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler:	
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Date	Time	Grab Sample	Hourly Composite	Observations / Notes
		#	#	
	1410	37	7	
	1426	38	7	
	1430	39	7	
	1440	40	7	
	1450	41	7	
	1500	42	7	`
	1510	43	8	
	1520	44	8	
	1530	45	8	
	1540	46	8	
	1550	47	8	
	1600	48	8	

Daily Composite #:	<i>y</i> .
Sample ID: PR - 12-05/606	
Sample Date: 05 /16/06	
Analyses: RILD-8 Netals, FULP Motals, T	CLP AST/Hib, TELD WG+SVOC,
Date Sent to Lab: <u>05/17/06</u>	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladiniv

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/11/06	0810	1	1	Waste congisted of
77	1820	2	1	Grit, Shoulded Pager.
	0830	3	1	(morals, prims (earnets)
	0840	4	1	Correts, shredded lager, Correts, enions leanuts) Plant material (trug; leaves, grass) plastic, metal, glass, muist
	0350	5	1	arcs) plastic, metal.
	0910	6	1	mlass, moist
	0920	7	2	7
	0930	8	2	
	0940	9	2	
	0950	10	2	
	1000	11	2	
	1010	12	2	
	1020	13	3	
	1030	14	3	
	1040	15	3	
	1050	16	3	
	1100	17	3	£ -
	1110	18	3	
	1120	19	4	
	1/30	20	4	
	1140	21	4	
	1150	22	4	
	1200	23	4	
	1210	24	4	
	1220	25	5	
	1230	26	5	
	1240	27	5	
	12-50	28	5	
	1300	29	5	
	1310	30	5	, ,
	1320	31	6	
	1330	32	6	
	1340	33	6	
	1250	34	6	
	1400	35	6	
	1410	36	6	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler:		

Date	Time	Grab	Hourly	Observations / Notes
		Sample	Composite	
		#	#	
05/17/06	1416	37	7	
	1420	- 38	7	
	1470	39	7	
	1440	40	7	
	1450	41	7	
	1500	42	7	,
	1510	43	8	
	1520	44	8	
	1536	45	8	
	1640	46	8	
	1650	47	8	
	1600	48	8	

Daily Composite #:	F.,
Sample ID: PR-13-051706	
Sample Date: 05/17/06	
Analyses: RIRA-3 Metels, TILP Metals, TILP Post/	leth, TELP VOCS+SVOCS
Date Sent to Lab: 05/11/06	

CRRA – Mid-Connecticut WPF Process Residue Sampling

Sampler: Vladimi

Date	Time	Grab Sample #	Hourly Composite #	Observations / Notes
05/18/06	0820	1	11	on't, shredded fape
	0830	2	11	press of bod, (fixto (aints, Vinatus, onios) Plant makrials, (lenes tugs, grass) plastic, metal, glass, moist
	0340	3	1	(aints, timates, onias)
	0350	4	1	Plant makerials (leas tugs.
	0900	5	1	avois) plastic, metiliales
	0910	6	1	moist
	0920	7	2	
	0930	8_	2	
	0940	9	2	
	0950	10	2	
	1000	11	2	
	1010	12	2	
	1020	13	3	
	1030	14	3 3	
`	1040	15		
	1050	16	3	
	1100	17	3	
	1110	18	3	
	1120	19	4	
	1130	20	4	
	1140	21	4	
	1150	22	4	
	1200	23	4	}
	1210	24	4	
	1220	25	5	
	1230	26	5	
	1240	27	5	
	1250	28	5	
	1200	29	5	` \
	13/0	30	. 5	
	1320	31	6	
	1330	32	6	
	1340	33	6	
	1350	34	6	1
	1400	35	6	
	1410	36	6	

TABLE 2 DAILY FIELD LOG CRRA – Mid-Connecticut WPF Process Residue Sampling

ampler:	Sampl
 unpier:	sampi

Date	Time	Grab	Hourly	Observations / Notes
		Sample	Composite	
		#	#	
05/18/06	1420	37	7	
	1430	38	7	
	1440	39	7	
	1450	40	7	
	1500	41	7	,
	1510	42	7	
	1520	43	8	
	1530	44	8	
	1540	45	8	
	1556	46	8	
	1600	47	8	
	1610	48	8	

Daily Composite #:/4	•
Sample ID: pR-14-051806	
Sample Date: Repart Motors, 05/10/06	
Analyses: RCRA Bretals, ICLP Metals, TUI Ast/Ha	L. TUP VOLS TSVOLS
Date Sent to Lab: 05/19/06	

APPENDIX D ANALYTICAL DATA SHEETS

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE

STRATFORD, CT 06615 203.325.1371 FAX 203.357-0166

Field Chain-of-Custody Record

10 TO STATE

Turn-Around Time Requested-Specify Date Expected If RUSH Requested: DATE DUE FOR RUSH: Container Desc. (2) 802 Jers (2) 202 Just 202 (2) Samples Collected by (signature) \mathcal{G} Indimir Mariano TOLP POST/HOLD (DOLZ-DOLT) TOLP SVOCS+ PCRA-8 Metals, TLLF Metals (Dooy-DOM) (82608) Analyses Requested Project ID/No. 0110-86174 00000 os/ol/06 Date/Time Date/Time Sample Matrix Water | Soil | Air | Other Invoice to: Samples Relinquished by Marya Mahoney Date Sampled 05/01/06 1150 Report to: PR-VOUI-050106 Date/Time Date/Time 1R-VOL 2-0501006 PR-1-050106 Location/ID TRC Environmenta 21 Grither Ad North Bottles Relinquished from Lab by Comments/Special Instructions Bottles received in field by Company Name Chain-of-Custody Record 5 W. ndsor Sample No.

RUSH(Define)

STANDARD

Rich August

From:

Mahoney, Marya [MMahoney@TRCSOLUTIONS.com]

Sent:

Friday, May 12, 2006 3:50 PM

To:

Rich August

Subject: CRRA Data

Rich,

As we discussed, we would like you to report the RCRA list TCLP VOCs for samples with the following York ID numbers: 06050072-01 and 06050072-02. Please note that all subsequent data packages sent to us related to TRC project number 42798-0110-00000 (CRRA Process Residue Sampling) should reflect this change from the full 8260 list to the RCRA list. If you have any questions regarding this matter, please call me at 860-298-6226. Thanks.

Marya

Marya B. Mahoney

TRC Environmental 21 Griffin Road North Windsor, CT 06095 phone: (860)298-6226

e-mail: mmahoney@trcsolutions.com

NOD32 1.1454 (20060321) Information _____

This message was checked by NOD32 antivirus system. http://www.nod32.com

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE

STRATFORD, CT 06615 203.325.1371 FAX 203.357-0166

Field Chain-of-Custody Record

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Turn-Around Time Requested- Specify Date Expected Container Desc.) 802 Jans (2) 202 Jans (I) 201 Jans (2) 20= Sur if RUSH Requested: DATE DUE FOR RUSH: Samples Collected by (signature) Name (printed) Vladimir Mariana TCLP POST/PETS (DOIZ- DOIZ), TCLP POSTS/VOG TCLP VOCS (826013) ALRA-8 METALS, TCLP METALS (0004-0011) (82608) Analyses Requested 00000-0110-86174 Project ID/No. Date/Time Sample Matrix Water | Soil | Air | Other Invoice to: Samples Relinquished by Samples Relinquished by Date Sampled 05/03/06 05/02/06 Marya Mahaney 90/20/50 Report to: Date/Time Date/Time PR-VOCI-OSO206 PR-VOC2-050206 PR-2-050206 Location/ID Windsor CT 06095 TRC Environmental 21 criffing dd North Bottles Relinquished from Lab by Comments/Special Instructions Bottles received in field by Company Name Chain-of-Custody Record Sample No.

RUSH(Define)

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Field Chain-of-Custody Record (වූරුපුව)()

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| 20 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166 ANALYTICAL LABORATORIES, INC.

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Company Name	Name	Kepon 10.		Illvoice 10.	<u> </u>	Project ID/No.	and the second	Min
TRC Environmental	irommontal	Marya Mahoney	Lahoney		42793-01	42793-0110-00000	Samples Collect	By (Sign
21 critic mains	ct 06095						Vladimir Name (Pri	Ware (Printed)
Sample No.	Locat	Location/ID	Date Sampled	Wate	Sample Matrix	ANALYSES REQUESTED		Container Description(s)
	PR-100C	1-050306	PR-VOCI-050306 05/03/06	03	X	TLLP VOCS (8260B)	(8260B)	(2) 202 Jus
	PR-100	3.050306	PR-VOC3-050306 05/03/06	05	×	TCLP VOC	(3.3.60.B)	(2) 202 Juns
	PR-3-	050306	PR-3-050306 05/03/06	00	×	RCRA-8 Metals, TLLP MEtals (DOGNORII) TLLP Post HEWN (DO12-DOIT) TLLP VOL.	LP Metuls (DOGUDA)	(2) 202 Jan
							(0019-1005)	
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Chain-of-Custody Record	dy Record							インリーのよ
	•		J. Contraction of the second	7	05/04/06	1/06) saplet	1/2)
Bottles Relinquished from Lab by	shed from Lab by	Date/Time		Sample Relinquished by	Date/Time	ime San	Cle Rossings	S/C Date/Time
Bottles Received in Field by	ed in Field by	Date/Time		Sample Relinquished by	Date/Time	 	Sample Received in LAB by	Date/Time
Comments/Special Instructions	cial Instructio	su				u s. th	Tum-Around Time X Standard RUSI	RUSH(define)
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YORK

| 20 RESEARCH DRIVE STRATFORD, GT 06615 | (203) 325-1371 FAX (203) 357-0166

Page_ Field Chain-of-Custody Record

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Samples Collected By (Signature) Viadimin Mariano Name (Printed) Project ID/No. 42798-0110-00000 Sample Matrix Invoice To: Date Sampled Report To: Mauya Manmey Location/ID 21 Griffin Rd. North Windson, CT 06095 TRC Environmental Company Name Sample No.

Description(s) (1)80z-jar Container ANALYSES REQUESTED Total & TCLP Lead Water | Soil | Air OTHER Q 05/03/06 \$1700 PR-3-050804SPMZE)

05/18 | 07₀ Date/Time Sample Relinquished by Maya Mahoney Date/Time Bottles Relinquished from Lab by Chain-of-Custody Record

RUSH(define) **Turn-Around Time** Sample Received in LAB by

X Standard Joseph

Date/Time

Sample Relinquished by

Date/Time

Bottles Received in Field by

Comments/Special Instructions

YORK

ANALYTICAL LABORATORIES, INC.

STRATFORD, CT 06615

Field Chain-of-Custody Record

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(2) 202 glass (2) 802 suss X116 20 L (L) ACRA-3 Metals, TLLD Metals (0004.0011) (2) 202 9 1000 Description(s) Date/Time Date/Time Container 5 Machine Milestra Samples Collected By (Signature) Vladimir Mariano Name (Printed) Tell Asstition (10012-10017), Tell 10015-1005. ANALYSES REQUESTED Sample Received in LAB by X TLLP VOG (82608) TCLP VOC: (3260B) 42798-0110-0000 Project ID/No. Date/Time Water | Soil | Air OTHER X × Sample Matrix Sample Relinquished by Sample Relinquished by Invoice To: PR-VOCI-050406 05/64/06 0910 Date Sampled PR-4-050406 OSPHER 1650 1800 PR-VOC2-050406 05/04/06 Marya Makeney Report To: Date/Time Date/Time Location/ID 20 REBEARCH DRIVE STRATFORD, CT 06(203) 325-1371 FAX (203) 357-0166 Comments/Special Instructions Bottles Relinquished from Lab by Chain-of-Custody Record 21 cristin Rd North Bottles Received in Field by TRC Envionmental Windson CT 06095 Company Name Sample No.

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ANALYTICAL LABORATORIES, INC.

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108H	1111	Samples Collected By (Signature)	mov Mariams Name (Printed)	Container Description(s)	(2) 202 C. loss	12) 202 6/25	(7) 202 closs	200					10-8-7	Date/Time	Date/Time	RUSH(define)
Onto	1 110	Samples Collect	Vlad movi	EQUESTED	(40)(0)	(23.5.6)	~ a _	(Del 9 - 0043)					The Cetter	De Contraction of the Contractio	Sample Received in LAB by	Turn-Around Time X Standard RUSI
	Project ID/No.	42798-0110-00000		ANALYSES REQUESTED	2000		netris, 1							e e	<u> </u>	re c'h
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	Invoice To:			Wate	0830	1430	1620							Sample Relinquished by	Sample Relinquished by	
	t To:	Honey		Date Sampled		1430						_	0			
T 06615 0166	Report To:	Marya Manirey		Location/ID	PR-101-05056	PR - VOC 2-26/25	DR - 5-050506				ļ		`	Date/Time	Date/Time	su
STRATFGRD, CT 06615 Fax (203) 357-0166	Name				PR-100	08 - 100	DR - 5.						dy Record	Bottles Relinquished from Lab by	ed in Field by	cial Instructio
120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166	Company Name	TRC Environmental	Windsor CT 06098	Sample No.									Chain-of-Custody Record	Bottles Relinqui	Bottles Received in Field by	Comments/Special Instructions

Field Chain-of-Custody Record

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30 -Description(s) (1) In 9655 (1) 202 9/25 (1) 802 9655 Samples Collected By (Signature) Holm Mon Vladimir Marians TLLP PROFIBED (1002-10017) TULD VOG +3 VOC. (1) 7668 (82608) BIRA-8 MORIS, TLL P MORDIS (0004-DOIL) **ANALYSES RÉQUESTED** (83808) TULP VOCS 42798 -0110-00000 Project ID/No. Water Soil Air OTHER X Sample Matrix Invoice To: Date Sampled 0271 PR-VOC 2 -050806 05/08/06 Raiya Makoney Report To: PR-VOC 1-050866 PR-6-050806 Location/ID | 20 REBEARCH DRIVE STRATFDRD, CT 06615 | (203) 325-1371 | FAX (203) 357-0166 Chain-of-Custody Record 21 Criffix Rd North TRC Environmental Company Name Sample No.

Bottles Relinquished from Lab by

Sample Relinquished by

Date/Time

Sample Relinquished by

Date/Time

Comments/Special Instructions

Bottles Received in Field by

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Sample Received in LAB by

Date/Time

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Field Chain-of-Custody Record

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U) 202 9/43 1) 202 5/455 Description(s) (1) 202 years Samples Collected By (Signature) Vlodimir Mauiquo Name (Printed) X TC10 Pest/Herb (DO12 - DO11), TCLP YOCHSWA (6007-0043) ELRA- & Metals, TLLP Metals (Doog-Doil) (80008) (80078) JOS Turn-Around Time ANALYSES REQUESTED Sample Received in LAB by TCLP VOCS 00000-0110-86174 Project ID/No. Date/Time Water Soil Air OTHER Sample Matrix Invoice To: Sample Relinquished by Sample Relinquished by Date Sampled 21 Grith Red Voor Marya Mahoney Report To: Date/Time PR-VOCZ-050906 Date/Time PR-VOC1-050906 PR-7-050906 Location/ID 20 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166 Comments/Special Instructions Bottles Relinquished from Lab by Chain-of-Custody Record Bottles Received in Field by Company Name TRC Environmental Windsol CT Sample No.

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ANALYTICAL LABORATORIES, INC.

120 REBEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

(1) 2029(1) 11) 202 5/ass (1) 202 3/455 (1) 200 96655 Description(s) 11) 202 9485 802 9 Vladimii Mariend Container Samples Collected By (Signature) ACRA-8 Motals, 721, p metals (DOOH-DOII) TCLD POST/HOOD (DOID-DOIT) THE VOC.TSVOCA ANALYSES REQUESTED TCLP VOCS (8260B) (82600) TLLP VOCS (3260B) 00000-0110-86177 Project ID/No. ~ Water Soil Air OTHER × X Sample Matrix Invoice To: 0220 Date Sampled 1440 1625 05/10/106 PR- VOC 2-05/106 05/10/26 7901/50 Marya Mahorey Report To: PR-1061-051006 PR-15-051006 PR-VOL3-051006 PR-8-05/006 Location/ID Windsor CT 06095 TRC Environmental 21 Grittin Rd North Company Name Sample No.

Chain-of-Custody Record

Date/Time Date/Time Bottles Relinquished from Lab by Bottles Received in Field by

Comments/Special Instructions

Sample Relinquished by Sample Relinquished by

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Sample Received in LAB by

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Page L of L glotsouns. Field Chain-of-Custody Record STRATFORD, CT 06615 20 REBEARCH DRIVE STRATFORD, CT 06((203) 325-1371 FAX (203) 357-0166

(1) 202 glass (1) 8 oz aluss (1) 200 9lass (1) 202 91055 2 Pate/Time 802 0 4055 (3) 20x 5 lass Description(s) Vladimir Mariano Name (Printed) Date/Time Container Samples Collected By (Signature) TCLP VOCS (8260B)
RCAR-8 Metals, TCLP Metals (Boot-0011)
TCLP Pest/Herb (0013-bott)
TCLP VOLS + S VOCS (BOLY-0043) ANALYSES REQUESTED Turn-Around Time X Standard TCLP VOCS (8260B) 42798-0110-00000 Project ID/No. ` Date/Time Water | Soil | Air OTHER × Sample Matrix Invoice To: Sample Relinquished by Sample Relinquished by 0830 /6 33 Date Sampled 1633 1130 PR-9-05/106 05/11/06 PR-7-05/106 MS/M30 05/11/PC Marya Mahoney Report To: Date/Time Date/Time PR-VOCZ-051106 PR-VOCI-051106 Location/ID Comments/Special Instructions Bottles Relinquished from Lab by Chain-of-Custody Record Windsor CT 06095 TRC Environmental 21 Grithin Rd North Bottles Received in Field by Company Name Sample No.

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ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

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Vladimir Mariand Samples Collected By (Signature) 00000-0110-8664 Project ID/No. Invoice To: 21 Griffir Rd Mark Marya Mahoney Report To: 20 REBEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166 TRC Envioumental Company Name

Name (Printed)	Container	5 5 5 5	Description(s)	Description(s)	Description(s) (1) 202 9655	Description(s) (1) 202 9les 5	(1) 202 5 lass	(1) 202 9lbs 5 (1) 202 9lbs 5 (1) 202 5lar 5	(1) 202 9lass (1) 202 9lass (1) 202 5lass (1) 202 5lass (1) 307 9lass	(1) 202 9lass (1) 202 9lass (1) 202 9lass (1) 202 9lass (1) 302 9lass	Description(s) (1) 2029685 (1) 2029685 (1) 2025685 (1) 2029685	(1) 202 9/055 (1) 202 9/055 (1) 202 9/055 (1) 202 9/055 (1) 802 9/055	(1) 202 9685 (1) 202 9685 (1) 202 5/885 (1) 202 5/885 (1) 302 9/885	(1) 202 9685 (1) 202 9685 (1) 202 9685 (1) 202 9685 (1) 802 9685	(1) 202 9685 (1) 202 9685 (1) 202 9685 (1) 202 9685 (1) 802 9685
Name		(LHCL-(LC (LC)-<-4	ANALYSES REQUESTED	ANALYSES REQUESTED	ANALYSES REQUESTED	HER ANALYSES REQUESTED X \(\cappa \	ANALYSES REQUESTED TCL	ANALYSES REQUESTED TCLP VOCS TCLP VOCS RURA - 7 Metals, TCLP wetals (1004-1001)	ANALYSES REQUESTED TCLP VOCS RUA - 7 Metall, TCLP Metals (1004-1001) TCLP POSS/ HELL (1004-1001) TCLP POSS/ HELL (1001-1001)	TCLP VOCS FLLP VOCS RIAN TAMENITAL PROPESTED FLLP POST NEED (DOON - DO!!) TLLP POST NEED (DON - DO!!) TLLP POST NEED (DON - DO!!) TLLP POST NEED (DO! 9- DO!!)	ANALYSES REQUESTED TCLP VOCS RUBA - 7 Mebli, TCLP Metals (1004-1001) TCLP POST/ Net b (2013-1001) TCLP POST/ Net b (2013-1001) TCLP VOCIT SKOLL (10019-10043)	ANALYSES REQUESTED TCLP VOCS RUA - 7 Metall, TCLP Metals (booth - poil) TCLP POST/ Herb (poil - boil) TCLP VOCA S (booth - poil) TCLP VOCA S (booth - poil)	ANALYSES REQUESTED TCLP VOCS RIGH - T Metals, TCLP wetals (Dood-Dois) TCLP POSST / Herb (Dos-Dois) TCLP POSST / Herb (Dos-Dois) TCLP POSST / Herb (Dois-Dois)	ANALYSES REQUESTED TCLP VOCS RUBA - 7 Mebli, TCLP Metals (book - boil) TCLP POST / Herb (Doil - boil) TCLP POST / Herb (Doil 9 - boil) TCLP VOCIT SVOCI (Looil 9 - boyl)	ANALYSES REQUESTED TCLP VOCS RIGH - T Metals, TCLP wetals (Dood-Dois) TCLP POSST / Herb (Dos-Dois) TCLP VOCST SVOCS (DOS-DOIS)
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1,222	CI/doiteon				PR-VOCI-051206	PR-VOCI-051206 05/12/06	PR-VOCI-051206 PR-VOCA-051200	PR-VOCI-051206 05/12/06 PR-VOCA-051200 05/12/06	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206	PR-VOCI-051206 05/12/06 PR-VOCA-051200 05/12/06 PR-10-051206 05/12/06	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206	PR-VOCI-051206 PR-VOCA-051206 PR-10-051206
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	Marsh	Sample Relinquished by	
		Date/Time	
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Sample Received in LAB by

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Date/Time

Sample Relinquished by

Date/Time

Comments/Special Instructions

Bottles Received in Field by

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Field Chain-of-Custody Record

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6058508 ·	Mans	Samples Collected By (Signature)	ladimit Mariano	Name (Printed)	Container
5000	Martin	Samples Colle	Vladimir	Nam	
	Project ID/No.	42798-0110-00000			
	Pro	42798-0			Sample Matrix
	Invoice To:				
	Report To:	Mahoney			Doto Compled
STRATFORD, CT 06615 AX (203) 357-0166	' 	Marya	\ - -	,	Ol/noiteon
20 RESEARCH DRIVE STRATFORD, CT 06 (203) 325-1371 FAX (203) 357-0166	Company Name	21 Griff Rd Port Marya Mahoney	1.20 501 CT 26095		Oly elames
20 5	- '				ΰ

-			Sa	Sample Matrix	atrix		Container
sample No.	Location/ID	Date Sampled	Water	Soil	Air OTHER	ANALYSES REQUESTED Descri	Description(s)
	F8051506	05/15/106	×			ACRA-3 Metals, The property (Man) 12 12 12 12 12 12 12 12 12 12 12 12 12	12 Amber 40-1 VOAS 250-1 DIESTE
	905120-1201-89	3460 9031/50			×	TILD VOCS	2 3/655
	1	2091 1605			×		1) 202 glass
	PR-11-051506	1471 05/15/06			×	RIRA-3 Metal, 7218 Metals (DOOL-DON) (1) 2. Till POST/Herb (DON-DON) TILL PURCETS LOCE (DON-DOUS) (1) 30	(1) 202 9/c35
						,	`
				9.			
Chain-of-Custody Record	dy Record		,	,	•		90-91-
		Mad	der M	h	20/11/20	/ Jagamy	100
Bottles Relinquished from Lab by	hed from Lab by Date/Time	ne Sample Relinquished by	quished by		Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	d in Field by Date/Time	ne Sample Relinquished by	quished by		Date/Time	Sample Received in LAB by	Date/Time
9	1-1 1-4					() () (Trans A server Trans	

Comments/Special Instructions

* Please usport and the compounds that relate to the TCLP soil parameters

RUSH(define) U. Turn-Around Time X Standard

ANALYTICAL

20 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page __/

(1) 8 02 9/455 596 200 [] Stape 202 (1) 11) 202 9/05 ACRA-8 MODIS, TLLP MOTALS (DOO4-DOIL) (1) 202 9/455 Description(s) Container Samples Collected By (Signature) Vladimir Mariano 0 Name (Printed) 72 LP (CEH) HEEK (DOIS-BOIN) TELP VOCS ANALYSES REQUESTED Sample Received in LAB by C.2 C Turn-Around Time TLLP VOCS TULP VOCS 00000-0110-86174 Project ID/No. Date/Time Water Soil Air OTHER Sample Matrix ... Invoice To: Sample Relinquished by Sample Relinquished by PR-VOCI-05/606 05/16/06 1460 Date Sampled 0930 1600 1630 PR-VOLZ-054606 05/16/06 PR-VOCH-05/106 05/14/06 Marya Mahoney Report To: Date/Time Date/Time PR-12-05/606 Location/ID Comments/Special Instructions Bottles Relinquished from Lab by Chain-of-Custody Record 21 or. th, ad Vart Wirdsor, CT 06095 Bottles Received in Field by Company Name TRL Environmental Sample No.

RUSH(define)

Field Chain-of-Custody Record

Page / of

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QQC2068

42798-0110-000000 Project ID/No. Invoice To: Marya Mahoney Report To: | ZO RESEARCH DRIVE STRATFORD, CT 06615 | (203) 325-1371 | FAX (203) 357-0166 ANALYTICAL LABORATORIES, INC. 21 Griffin Rd North TRC Environmental Company Name

Samples Collected By (Signature)

(1) 202 glass Description(s) Container Vadimir Maliano Name (Printed) ANALYSES REQUESTED 76LP VOCS Water | Soil | Air OTHER Sample Matrix Date Sampled PR-VOCI.051706 Location/ID Windsol CT 06095 Sample No.

1340

PR- VOC2-05-1706 05/17/26

PR-13-051706

KLRA-8 METALS, TLLP METALS (0004-DOI) TCLP PEST/META (DOID-DOIT)

Chain-of-Custody Record

Bottles Relinquished from Lab by Bottles Received in Field by

Date/Time

Sample Relinquished by Sample Relinquished by

Date/Time

Comments/Special Instructions

Date/Time

Sample Received in LAB by

18 GES Date/Time

Date/Time

RUSH(define)

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Turn-Around Time X Standard

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ANALYTICAL LABORATORIES, INC.

| 20 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

42798-0110-00000 Project ID/No. Invoice To: Marya Mahoney Report To: 21 Grittin Rd North Windsor CT OLOGS TRC Environmental Company Name

Vladimir Mariana Samples Collected By (Signature)

						_		N	Name (Printed)	
Sample No		I ocation/ID	Data Campled	polum	Ss	Sample Matrix	atrix	ATTOUR OF ONLY	ပိ	Container
dalipie No.			חמוב טמ	noidill	Water	Soil	Soil Air OTHER	ANALYSES REQUESTED	Desc	Description(s)
	,			1050			>		()	(1) 2 02 1458
	PR-10	PR-VOCI-USIBO6 05/18/06	05/18/4	9			X	TLLP VOCS		, ,
				1450						
	PR-10	PR-1002-051806 05/18/06	05/18/6	20		ñ	×	TLLP VOCS	7 ()	02 2/15
				1635			`	ACRA -8 Metals TLL PACTOLS (DOX 4- D	2 (1) (110	02 3/00
	PR-14	PR-14-051806 05/1866	05/18/6	>			×	X 152 4 4065 - 6017 (8019-003) (1) 802 - 4231	8 11/ (8)	14. 20
			` .							
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Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Date/Time Comments/Special Instructions Bottles Received in Field by

Sample Relinquished by

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Date/Time

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Sample Received in LAB by

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RUSH(define) X Standard

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Section 200		
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Report Date: 5/12/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050072 R

TRC Environmental 21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/02/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050106		PR-VOC2-050106	
York Sample ID			06050072-01		06050072-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	7	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0	120	5.0
Tetrachloroethylene			7	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-1-050106	
York Sample ID			06050072-03	
Matrix	_		SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	9.5
2,4,5-Trichlorophenol			Not detected	9.5
2,4,6-Trichlorophenol			Not detected	9.5
2,4-Dinitrotoluene			Not detected	9.5
Cresol (Total)			Not detected	9.5
Hexachloro-1,3-butadiene			Not detected	9.5
Hexachlorobenzene			Not detected	9.5
Hexachloroethane			Not detected	9.5
m-Cresol			Not detected	9.5
Nitrobenzene			Not detected	9.5
o-Cresol			Not detected	9.5
p-Cresol			Not detected	9.5
Pentachlorophenol			Not detected	9.5
Pyridine			Not detected	9.5
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			Not detected	0.010
TCLP Barium			0.771	0.010
TCLP Cadmium			0.005	0.005
TCLP Chromium			0.017	0.005
TCLP Lead			1.12	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	0.0008	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	1.18
Endrin			Not detected	0.0283
Heptachlor (and the epoxide)			Not detected	0.0283
Lindane	_		Not detected	0.0283
Methoxychlor			Not detected	0.283
Toxaphene			Not detected	1.18
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			23	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			1000	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0
Total RCRA Metals	SW846	mg/kG		
Arsenic, total		<u> </u>	2.06	1.00
Barium, total			81.9	0.50
Cadmium, total			0.65	0.50
Chromium, total			14.5	0.50

Client Sample ID			PR-1-050106	
York Sample ID			06050072-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Lead, total			420	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	59.0	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050072 R

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.

7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Direct

Date: 5/12/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92706

12-May-06

Client: TRC Environmental

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Batch Name: \$BNAW-19717

QA Sample #: AC92706

York's Sample ID: 06050072-03

Parameter		1 Imamiliand			Matrix Spil	(e		Spike Duplicate	•
raiametei	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	77	Not detected	Not detected	100	76	76.000	78	78.000	2.597
1,2,4-Trichlorobenze	51	Not detected	Not detected	100	50	50.000	52	52.000	3.922
Phenol	36	Not detected	Not detected	200	74	37.000	71	35.500	4.138
Pentachlorophenol	78	Not detected	Not detected	200	153	76.500	160	80.000	4.473
N-Nitroso-di-n-propyl	67	Not detected	Not detected	100	66	66.000	67	67.000	1,504
Acenapthene	66	Not detected	Not detected	100	63	63.000	68	68.000	7.634
4-Chloro-3-methylph	66	Not detected	Not detected	200	132	66.000	131	65.500	0.760
2-Chlorophenol	54	Not detected	Not detected	200	107	53.500	109	54,500	1.852
2,4-Dinitrotoluene	67	Not detected	Not detected	100	65	65.000	69	69.000	5.970
1,4-Dichlorobenzene	44	Not detected	Not detected	100	43	43.000	44	44.000	2.299
4-Nitrophenol	44	Not detected	Not detected	200	93	46.500	84	42.000	10.169

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92706

Unit of Measure:

Chromium

Analysis Name: Metals, Target Analyte List(TAL)

105

Not detected

Not detected

Client: TRC Environmental

Batch Name: \$MTAQ-19718

12-May-06

QA Sample #: AC92706 York's Sample ID: 06050072-03

Matrix Spike Spike Duplicate **Parameter** Unspiked LCS(%) Result Blank **Amount** Result Recovery, % **Duplicate** Recovery,% Precision, RPD Vanadium Not detected Not detected Not detected Not detected Not detected Not detected Manganese Not detected Not detected Not detected Not detected Not detected Not detected Nickel Not detected Not detected Not detected Not detected Not detected Not detected Potassium Not detected Not detected Not detected Not detected Not detected Selenium 101 Not detected Not detected 2.00 1.95 97.500 Not detected Silver 0.050 109 Not detected 0.053 106,000 Not detected Not detected Zinc Not detected Not detected Not detected Not detected Not detected Not detected Thallium Not detected Not detected Not detected Not detected Not detected Not detected Magnesium Not detected Not detected Not detected Not detected Not detected Cadmium Not detected 0.050 102 Not detected 0.050 100,000 Not detected Sodium Not detected Not detected Not detected Not detected Not detected Lead 107 0.025 Not detected 0.500 0.544 103,600 0.025 0.000 Iron Not detected Not detected Not detected Not detected Not detected Not detected Copper Not detected Not detected Not detected Not detected Not detected Not detected Cobalt Not detected Not detected Not detected Not detected Not detected Not detected Calcium Not detected Not detected Not detected Not detected Not detected Beryllium Not detected Not detected Not detected Not detected Not detected Not detected Barium 109 0.432 Not detected 2.00 2.62 109,400 0.431 0.232 Arsenic 103 Not detected Not detected 2.00 2.03 101.500 Not detected Antimony Not detected Not detected Not detected Not detected Not detected Not detected Aluminum Not detected Not detected Not detected Not detected Not detected Not detected

0.200

0.208

104.000

Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92706

12-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19719

QA Sample #: AC92706 York's Sample ID: 06050072-03

Daramatar		Unanthrad			Matrix Spike	•		Spike Duplicate	ı
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Arsenic	100	3.04	Not detected	200	199	97.98	3.32		8.81
Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Silver	104	0	Not detected	5.0	3.95	79.00	Not detected		Not detected
Selenium	98.4	0	Not detected	200	194	97.00	Not detected		Not detected
Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected I	Not detected.	<i>f</i> ,	Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Iron	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Chromium	94.4	21.1	Not detected	20.0	41.1	100.000	21. 1		0.000
Calcium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cadmium	100	0	Not detected	5.0	5.03	100.600	Not detected		Not detected
Beryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Barium	106	87.3	Not detected	200	300	106.35	87.1		0.23
Lead	102	57.7	Not detected	50.0	108	100.60	57.2		0.87
Vanadium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected



QA/QC Summary Report

Associated Samples: AC92706

12-May-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters

Batch Name: \$PESTW-19720

QA Sample #: AC92706 York's Sample ID: 06050072-03

Unit of Measure: ug/L

						Matrix Spik	ke		Spike Duplicate	
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1	Aldrin	68.9	Not detected	Not detected	33	29.6	89.697	27.9	84.545	5.913
£1	Lindane	71.0	Not detected	Not detected	33	28.8	87.273	26.5	80.303	8.318
Phase Science	Heptachlor	75.6	Not detected	Not detected	33	26.8	81.212	26.1	79.091	2.646
ેં	Dieldrin	78.9	Not detected	Not detected	66	51.6	78.182	56.1	85.000	8.357
	4,4'-DDT	81.9	Not detected	Not detected	66	57.2	86.667	53.9	81.667	5.941
	Endrin	77.4	Not detected	Not detected	66	56.2	85.152	54.1	81.970	3.808

Associated Samples: AC92706

12-May-06

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19721

QA Sample #: AC92706

York's Sample ID: 06050072-03

****Poromotor		Handlerd			Matrix Spir	ke		Spike Duplicate	1
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	78.5	Not detected	Not detected	40	32.9	82.3	35.9	89.8	8.7
2,4-D	84.9	Not detected	Not detected	40	33.9	84.8	31.9	79.8	6.1

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92706

12-May-06

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Batch Name: \$VOAW-19722

QA Sample #: AC92706

York's Sample ID: 06050072-03

					Matrix Spil	ke		Spike Duplicate)
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	116	Not detected	Not detected	50	58	116.0	57	114.0	1.7
Benzene	100	Not detected	Not detected	50	50	100.0	51	102.0	2.0
Chlorobenzene	106	Not detected	Not detected	50	52	104.0	54	108.0	3.8
Toluene	100	Not detected	Not detected	50	50	100.0	52	104.0	3.9
Trichloroethylene	100	Not detected	Not detected	50	50	100.0	52	104.0	3.9

Associated Samples: AC92706

Client: TRC Environmental

Analysis Name: Mercury Unit of Measure: mg/kG

Batch Name: HG8_S-19723

QA Sample #: AC92706

12-May-06

12-May-06

York's Sample ID: 06050072-03

Matrix Spike Spike Duplicate ²arameter Unspiked

LCS(%) Result Blank Amount Result Recovery, %

Duplicate Recovery,% Precision, RPD HG8 S 85.5 Not detected Not detected 1.50 1.42 90.8 Not detected 1.4

Associated Samples: AC92706

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19724

QA Sample #: AC92706

York's Sample ID: 06050072-03

Matrix Spike

Spike Duplicate

²arameter Unspiked LCS(%) Result Blank Amount Result Recovery, % **Duplicate** Recovery,% Precision, RPD **HGTCLP** 107.8 0.0008 Not detected 0.0030 0.0027 86.3 Not detected 0

Report Date: 5/12/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050126 R

TRC Environmental 21 Griffin Road North Windsor, CT 06095

Attention: Marya Mahoney

Purpose and Results

The second

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/03/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050206		PR-VOC2-050206	
York Sample ID			06050126-01		06050126-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	6	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0	63	5.0
Tetrachioroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

TCLP Base/Neutral/Acids 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrotoluene Cresol (Total) Hexachloro-1,3-butadiene Hexachlorobenzene Mot detected Mot detected Mot detected Not detected Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Mot detected Mitrobenzene Not detected Pentachlorophenol Pyridine TCLP Herbicides SW-846/8151 TCLP Arsenic TCLP Cadmium TCLP Cadmium TCLP Cadmium TCLP Lead TCLP Selenium Not detected Not detec	MDL 27 27 27 27 27 27 27 27 27 27 27 27 27
Matrix Method Units Results TCLP Base/Neutral/Acids SW846-1311/8270C ug/L 1,4-Dichlorobenzene Not detected Not detected 2,4,5-Trichlorophenol Not detected 2,4-Dinitrotoluene Not detected Cresol (Total) Not detected Hexachloro-1,3-butadiene Not detected Hexachlorobenzene Not detected Hexachlorobenzene Not detected Mitrobenzene Not detected o-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Cadmium 0.046 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Selenium Not detected TCLP Mercury SW846-1311/7470 mg/L <	27 27 27 27 27 27 27 27 27 27 27 27 27 2
ParameterMethodUnitsResultsTCLP Base/Neutral/AcidsSW846-1311/8270Cug/L1,4-DichlorobenzeneNot detected2,4,5-TrichlorophenolNot detected2,4-DinitrotolueneNot detectedCresol (Total)Not detectedHexachloro-1,3-butadieneNot detectedHexachlorobenzeneNot detectedHexachloroethaneNot detectedm-CresolNot detectedNitrobenzeneNot detectedo-CresolNot detectedPentachlorophenolNot detectedPyridineNot detectedTCLP HerbicidesSW-846/8151ug/L2,4,5-TP (Silvex)Not detectedTCLP ArsenicNot detectedTCLP Barium0.460TCLP Cadmium0.005TCLP Cadmium0.005TCLP SeleniumNot detectedTCLP SeleniumNot detectedTCLP SilverNot detectedTCLP SilverNot detected	27 27 27 27 27 27 27 27 27 27 27 27 27 2
TCLP Base/Neutral/Acids 1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrotoluene Cresol (Total) Hexachloro-1,3-butadiene Hexachlorobenzene Mot detected Mot detected Not detected Not detected Hexachlorobenzene Hexachlorobenzene Mot detected Not detected Perresol Not detected Pentachlorophenol Pyridine TCLP Herbicides SW-846/8151 Z,4,5-TP (Silvex) TCLP Arsenic TCLP Barium TCLP Cadmium TCLP Cadmium TCLP Cadmium TCLP Cadmium TCLP Lead TCLP Silver TCLP Silver Not detected Not	27 27 27 27 27 27 27 27 27 27 27 27 27 2
1,4-Dichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrotoluene Cresol (Total) Hexachloro-1,3-butadiene Hexachloroethane Mot detected Mitrobenzene Mot detected Mitrobenzene Mot detected Mitrobenzene Mot detected Mot dete	27 27 27 27 27 27 27 27 27 27 27 27 27 2
2,4,5-Trichlorophenol Not detected 2,4-Dinitrotoluene Not detected Cresol (Total) Not detected Hexachloro-1,3-butadiene Not detected Hexachloroethane Not detected Mitrobenzene Not detected Mitrobenzene Not detected Mitrobenzene Not detected Pentachlorophenol Not detected Pentachlorophenol Not detected Pyridine SW-846/8151 ug/L TCLP Herbicides SW-846/8151 ug/L TCLP Arsenic Not detected TCLP Cadmium O.460 TCLP Cadmium TCLP Lead TCLP Selenium TCLP Selenium TCLP Silver Not detected	27 27 27 27 27 27 27 27 27 27 27 27 27 2
2,4,6-Trichlorophenol Not detected 2,4-Dinitrotoluene Not detected Cresol (Total) Not detected Hexachloro-1,3-butadiene Not detected Hexachlorobenzene Not detected Hexachloroethane Not detected m-Cresol Not detected Not detected Not detected p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Cadmium 0.460 TCLP Chromium 0.005 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected Not detected Not detected O.0005 O.0005	27 27 27 27 27 27 27 27 27 27 27 27 27 2
2,4-Dinitrotoluene Not detected Cresol (Total) Not detected Hexachloro-1,3-butadiene Not detected Hexachlorobenzene Not detected Hexachloroethane Not detected m-Cresol Not detected Nitrobenzene Not detected o-Cresol Not detected p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Selenium Not detected TCLP Selenium Not detected TCLP Silver Not detected Not detected Not detected	27 27 27 27 27 27 27 27 27 27 27 27 27 2
Cresol (Total) Not detected Hexachloro-1,3-butadiene Not detected Hexachloroethane Not detected m-Cresol Not detected Nitrobenzene Not detected o-Cresol Not detected p-Cresol Not detected Pentachlorophenol Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 0.005 TCLP Cadmium 0.005 0.0044 TCLP Lead 0.254 0.254 TCLP Selenium Not detected Not detected TCLP Silver Not detected Not detected	27 27 27 27 27 27 27 27 27 27 27 27 27 2
Hexachloro-1,3-butadiene Hexachlorobenzene Hexachloroethane Mot detected Mot detected Mot detected Mot detected Mot detected Mot detected Not detected Not detected Not detected Mot detected Pentachlorophenol Pentachlorophenol Pyridine TCLP Herbicides 2,4-D TCLP Arsenic TCLP Barium TCLP Barium TCLP Cadmium TCLP Cadmium TCLP Lead TCLP Lead TCLP Silver TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 27 27 27 27 27 27 27 27 27 27 27
Hexachlorobenzene	27 27 27 27 27 27 27 27 27 27 27
Hexachloroethane Not detected	27 27 27 27 27 27 27 27 27 27
m-Cresol Not detected Nitrobenzene Not detected o-Cresol Not detected p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 27 27 27 27 27 27 25.0
Nitrobenzene Not detected o-Cresol Not detected p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 27 27 27 27
o-Cresol Not detected p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 27 27 25.0
p-Cresol Not detected Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 27 25.0
Pentachlorophenol Not detected Pyridine Not detected TCLP Herbicides SW-846/8151 ug/L 2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	27 27 25.0
Pyridine	27 25.0
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2,4,5-TP (Silvex) Not detected 2,4-D Not detected TCLP RCRA Metals SW846-1311/6010 mg/L TCLP Arsenic Not detected TCLP Barium 0.460 TCLP Cadmium 0.005 TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	
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TCLP Chromium 0.044 TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	0.005
TCLP Lead 0.254 TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005	0.005
TCLP Selenium Not detected TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005 0	0.005
TCLP Silver Not detected TCLP Mercury SW846-1311/7470 mg/L 0.0005 0	0.010
TCLP Mercury SW846-1311/7470 mg/L 0.0005 0	0.005
	0.0005
TCLP Pesticides SW846-3510C/8081 ug/L	
Chlordane Not detected	1.43
	0.0343
	0.0343
	0.0343
	0.343
Toxaphene Not detected	1.43
TCLP Volatiles SW846-1311/8260 ug/L	
1,1-Dichloroethylene Not detected	5.0
1,2-Dichloroethane Not detected	5.0
1,4-Dichlorobenzene 17	5.0
Benzene Not detected	5.0
Carbon tetrachloride Not detected	5.0
Chlorobenzene Not detected	5.0
Chloroform Not detected	5.0
Methyl Ethyl Ketone Not detected	5.0
Tetrachloroethylene Not detected	5.0
Trichloroethylene Not detected	5.0
Vinyl Chloride Not detected	5.0
Total RCRA Metals SW846 mg/kG	
Arsenic, total 1.00	
	1.00
·	1.00 0.50
Chromium, total 10.4	



Client Sample ID			PR-2-050206	
York Sample ID			06050126-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Lead, total			. 385	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	57.9	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050126 R

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.

7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Director

Date: 5/12/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92873

12-May-06

Client: TRC Environmental

Analysis Name: BNA QC-waters/tclps Unit of Measure: ug/L

Batch Name: \$BNAW-19738

QA Sample #: AC92873

York's Sample ID: 06050126-03

Parameter		Unspiked			Matrix Spik	ке		Spike Duplicate)
r al allieter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	77	Not detected	Not detected	100	76	76.000	78	78.000	2.597
1,2,4-Trichlorobenze	51	Not detected	Not detected	100	50	50.000	52	52.000	3.922
Phenol	36	Not detected	Not detected	200	74	37.000	71	35.500	4.138
Pentachlorophenol	78	Not detected	Not detected	200	153	76.500	160	80.000	4.473
N-Nitroso-di-n-propyl	67	Not detected	Not detected	100	66	66.000	67	67.000	1.504
Acenapthene	66	Not detected	Not detected	100	63	63.000	68	68.000	7.634
4-Chloro-3-methylph	66	Not detected	Not detected	200	132	66.000	131	65.500	0.760
2-Chiorophenol	54	Not detected	Not detected	200	107	53.500	109	54.500	1.852
2,4-Dinitrotoluene	67	Not detected	Not detected	100	65	65.000	69	69.000	5.970
1,4-Dichlorobenzene	44	Not detected	Not detected	100	43	43.000	44	44.000	2.299
4-Nitrophenol	44	Not detected	Not detected	200	93	£. 46.500	84	42.000	10.169



QA/QC Summary Report

Associated Samples: AC92873

Client: TRC Environmental

12-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19739

QA Sample #: AC92873 York's Sample ID: 06050126-03

	Davamatas		Unanthad			Matrix Spike	•	:	Spike Duplicate		
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
~4	Potassium	Not detected	Not detected	Not detected		Not detected		Not detected			
71	Selenium	101	Not detected	Not detected	2.00	1.95	97.500	Not detected			
13	Silver	109	Not detected	Not detected	0.050	0.053	106.000	Not detected			
	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
20.0	Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected			
&VE)	Cadmium	102	Not detected	Not detected	0.050	0.050	100.000	Not detected			
	Sodium	Not detected	Not detected	Not detected		Not detected	y	Not detected			
6.0	Lead	107	0.025	Not detected	0.500	0.544	103.800	0.025		0.000	
	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
7 A 24 J	Calcium	Not detected	Not detected	Not detected		Not detected		Not detected			
	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
y 15	Barium	109	0.432	Not detected	2.00	2.62	109.400	0.431		0.232	
	Arsenic	103	Not detected	Not detected	2.00	2.03	101.500	Not detected			
3	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Chromium	105	Not detected	Not detected	0.200	0.208	104,000	Not detected			

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92873

12-May-06

Client: TRC Environmental

Unit of Measure: ppm

Analysis Name: Metals, Target Analyte List(TAL)

Not detected

Not detected

Not detected

Batch Name: \$MTS-19740

QA Sample #: AC92873 York's Sample ID: 06050126-03

Matrix Spike Spike Duplicate Parameter Unspiked LCS(%) Result Blank **Amount** Result Recovery, % **Duplicate** Recovery,% Precision, RPD **Antimony** Not detected 102.67 2.20 Arsenic 102 3.67 200 209 3.59 Not detected Sodium Not detected Zinc Not detected Aluminum Not detected Thallium Not detected Silver Not detected 106 0 Not detected 5.0 4.03 80.60 Not detected Selenium 100,50 91.4 0 Not detected 200 201 Not detected Not detected Potassium Not detected Nickel Not detected Manganese Not detected Not detected Not detected. Not detected a Not detected Not detected Not detected Magnesium Not detected Iron Not detected Copper Not detected Cobalt Not detected Chromium 93.5 13.7 Not detected 20.0 34.0 101.500 14.0 2.166 Calcium Not detected Cadmium 98.2 0 Not detected 5.0 4.94 98.800 Not detected Not detected Beryllium Not detected Barium 105 112 Not detected 200 318 103.00 114 1.77 I ead 50.0 0.85 100 35.1 Not detected 84.1 98.00 35.4 Vanadium

Not detected Not detected

Not detected

Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Batch Name: \$PESTW-19741

Associated Samples: AC92873

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters

Unit of Measure: ug/L

12-May-06

QA Sample #: AC92873

York's Sample ID: 06050126-03

Parameter		Unspiked			Matrix Spik	ке		Spike Duplicate	1
raiametei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	70.9	Not detected	Not detected	33	28.4	86.061	25.9	78.485	9.208
Lindane	71.6	Not detected	Not detected	33	31.2	94.545	29.4	89.091	5,941
Heptachlor	76.5	Not detected	Not detected	33	29.4	89.091	25.4	76.970	14.599
Dieldrin	81.9	Not detected	Not detected	66	51.9	78.636	57.8	87.576	10.757
4,4'-DDT	89.1	Not detected	Not detected	66	53.2	80.606	60.9	92.273	13.497
Endrin	86.3	Not detected	Not detected	66	56.4	85.455	61.2	92.727	8.163

Associated Samples: AC92873

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19742

QA Sample #: AC92873

York's Sample ID: 06050126-03

12-May-06

193	Parameter		Unspiked			Matrix Spike	9		Spike Duplicate	
	T uramotor	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
r.3	2,4,5-TP (Silvex)	78.5	Not detected	Not detected	40	32.9	82.3	35.9	89.8	8.7
10	2,4-D	84.9	Not detected	Not detected	40	33.9	84.8	31.9	79.8	6.1

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC92873

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Batch Name: \$VOAW-19743

QA Sample #: AC92873

12-May-06

York's Sample ID: 06050126-03

Parameter		Unspiked			Matrix Spil	Ke .		Spike Duplicate	•
T diamoto:	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	102	Not detected	Not detected	50	52	104.0	49	98.0	5.9
Benzene	96	Not detected	Not detected	50	49	98.0	47	94.0	4.2
Chlorobenzene	98	Not detected	Not detected	50	49	98.0	49	98.0	0.0
Toluene	100	Not detected	Not detected	50	48	96.0	48	96.0	0.0
Trichloroethylene	96	Not detected	Not detected	50	46	92.0	46	92.0	0.0

Associated Samples: AC92873

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19744

12-May-06

12-May-06

QA Sample #: AC92873 York's Sample ID: 06050126-03

Matrix Spike Spike Duplicate **Parameter** Unspiked

LCS(%) Result Blank **A**mount Result Duplicate Recovery,% Precision, RPD Recovery, % HG8_S 99.6 Not detected Not detected 1.50 1.40 90.1 Not detected 2.3

Associated Samples: AC92873

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19745

QA Sample #: AC92873

York's Sample ID: 06050126-03

Matrix Spike Spike Duplicate

Parameter Unspiked LCS(%) Result Blank **Amount** Result Recovery, % Duplicate Recovery,% Precision, RPD **HGTCLP** 107.8 0.0005 Not detected 0.0030 0.0027 86.3 Not detected

Report Date: 5/16/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050161

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/04/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050306		PR-VOC2-050306	
York Sample ID			06050161-01		06050161-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			16	5.0	8	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			310	5.0	64	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-3-050306	
York Sample ID			06050161-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	9.1
2,4,5-Trichlorophenol			Not detected	9.1
2,4,6-Trichlorophenol	_		Not detected	9.1
2,4-Dinitrotoluene			Not detected	9.1
Cresol (Total)			Not detected	9.1
Hexachloro-1,3-butadiene			Not detected	9.1
Hexachlorobenzene			Not detected	9.1
Hexachloroethane			Not detected	9.1
m-Cresol			Not detected	9.1
Nitrobenzene			Not detected	9.1
o-Cresol			Not detected	9.1
p-Cresol			Not detected	9.1
Pentachlorophenol			Not detected	9.1
Pyridine		_	Not detected	9.1
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)		- · · · · · · ·	Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic	0.110.10111.0010		Not detected	0.010
TCLP Barium			0.669	0.010
TCLP Cadmium			0.011	0.005
TCLP Chromium			Not detected	0.005
TCLP Lead			42.7	0.005
TCLP Selenium		y	Not detected	0.010
TCLP Silver		7.,2	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	2.00
Endrin			Not detected	0.048
Heptachlor (and the epoxide)			Not detected	0.048
Lindane		_	Not detected	0.048
Methoxychlor	_		Not detected	0.480
Toxaphene			Not detected	2.00
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene		3-	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			120	5.0
Tetrachloroethylene			6	5.0
Trichloroethylene			Not detected	5.0

Client Sample ID			PR-3-050306	
York Sample ID			06050161-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Vinyl Chloride			Not detected	5.0
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			3.35	1.00
Barium, total			70.9	0.50
Cadmium, total			Not detected	0.50
Chromium, total			25.7	0.50
Lead, total			149	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	48.2	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Date: 5/16/2006

Notes for York Project No. 06050161

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
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- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: DULY

Robert Q. Bradley

Managing Director

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93020

Client: TRC Environmental

16-May-06

Analysis Name: BNA QC-waters/tclps Unit of Measure: ug/L

Batch Name: \$BNAW-19748

QA Sample #: AC93020 York's Sample ID: 06050161-03

³arameter		ll-s-ils-d		Matrix Spike			Spike Duplicate			
rarameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Pyrene	77	Not detected	Not detected	100	76	76.000	78	78.000	2.597	
1,2,4-trichlorobenzene	51	Not detected	Not detected	100	50	50.000	52	52.000	3.922	
Phenol	36	Not detected	Not detected	200	74	37.000	71	35.500	4.138	
Pentachlorophenol	78	Not detected	Not detected	200	153	76.500	160	80.000	4.473	
N-Nitroso-di-n-propylamine	67	Not detected	Not detected	100	66	66.000	67	67.000	1.504	
Acenapthene	66	Not detected	Not detected	100	63	63.000	68	68.000	7.634	
4-Chloro-3-methyliphenol	66	Not detected	Not detected	200	132	66.000	131	65.500	0.760	
2-Chlorophenol	54	Not detected	Not detected	200	107	53.500	109	54.500	1.852	
2,4-Dinitrotoluene	67	Not detected	Not detected	100	65	65.000	69	69.000	5.970	
1,4-Dichlorobenzene	44	Not detected	Not detected	100	43	43.000	44	44.000	2.299	
4-Nitrophenol	44	Not detected	Not detected	200	93	46.500	84	42.000	10.169	



Analytical Laboratories, Inc.

QA/QC Summary Report

Batch Name: \$MTAQ-19749

Associated Samples: AC93020

16-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

QA Sample #: AC93020

Unit of Measure: ppm

York's Sample ID: 06050161-03

7.A					Matrix Spike	•		Spike Duplicate	1	
Parameter ্ৰ	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected			
Selenium	101	Not detected	Not detected	2.00	1.95	97.500	Not detected			
Silver	109	Not detected	Not detected	0.050	0.053	106.000	Not detected			
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected			
Cadmium	102	Not detected	Not detected	0.050	0.050	100.000	Not detected			
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected			
Lead	107	0.025	Not detected	0.500	0.544	103.800	0.025		0.000	
lron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
[®] Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
ुCalcium	Not detected	Not detected	Not detected		Not detected		Not detected			
Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Barium	109	0.432	Not detected	2.00	2.62	109.400	0.431		0.232	
Arsenic	103	Not detected	Not detected	2.00	2.03	101.500	Not detected			
Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Chromium	105	Not detected	Not detected	0.200	0.208	104.000	Not detected			

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93020

Client: TRC Environmental

16-May-06

Unit of Measure: ppm

Analysis Name: Metals, Target Analyte List(TAL) Batch Name: \$MTS-19750 QA Sample #: AC93020 York's Sample ID: 06050161-03

Parameter Unspiked				Matrix Spike			Spike Duplicate		
raidilletor	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Arsenic	102	3.67	Not detected	200	209	102.67	3.59		2.20
Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Silver	106	0	Not detected	5.0	4.03	80.60	Not detected		Not detected
Selenium	91.4	0	Not detected	200	201	100.50	Not detected		Not detected
Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected	<i>.</i> .	Not detected		Not detected
Iron	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Chromium	93.5	13.7	Not detected	20.0	34.0	101.500	14.0		2.166
Calcium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		Not detected
Cadmium	98.2	0	Not detected	5.0	4.94	98.800	Not detected		Not detected
Beryllium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		Not detected
Barium	105	112	Not detected	200	318	103.00	114		1.77
Lead	100	35.1	Not detected	50.0	84.1	98.00	35.4		0.85
Vanadium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93020

16-May-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters Unit of Measure: ug/L

Batch Name: \$PESTW-19751

QA Sample #: AC93020 York's Sample ID: 06050161-03

					Matrix Spil	ке		Spike Duplicate	•
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	75.6	Not detected	Not detected	33	26.5	80.303	26.9	81.515	1.498
Lindane	67.8	Not detected	Not detected	33	31.2	94.545	31.6	95.758	1.274
Heptachlor	71.5	Not detected	Not detected	33	30.1	91.212	27.4	83.030	9.391
Dieldrin	81.2	Not detected	Not detected	66	50.6	76.667	51.2	77.576	1.179
4,4'-DDT	84.9	Not detected	Not detected	66	60.9	92.273	57.9	87.727	5.051
Endrin	76.5	Not detected	Not detected	66	52.6	79.697	55.5	84.091	5.365

Associated Samples: AC93020

Client: TRC Environmental

16-May-06

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19752

QA Sample #: AC93020

York's Sample ID: 06050161-03

Matrix Spike Spike Duplicate Parameter Unspiked

LCS(%) Blank Result Amount Result Recovery, % Duplicate Recovery,% Precision, RPD

2,4,5-TP (Silvex) Not detected

Not detected

QA/QC Summary Report

Associated Samples: AC93020

16-May-06

Client: TRC Environmental

Analysis Name: VOA QC WATERS Unit of Measure: ug/L

Batch Name: \$VOAW-19753

QA Sample #: AC93020

York's Sample ID: 06050161-03

Jaramatan		11	milead		Matrix Spike			Spike Duplicate		
^o arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
1,1-Dichloroethylene	86	Not detected	Not detected	50	49	98.0	47	94.0	4.2	
Benzene	86	Not detected	Not detected	50	47	94.0	48	96.0	2.1	
Chlorobenzene	88	Not detected	Not detected	50	49	98.0	48	96.0	2.1	
Toluene	88	Not detected	Not detected	50	47	94.0	46	92.0	2.2	
Trichloroethylene	82	Not detected	Not detected	50	46	92.0	46	92.0	0.0	

Associated Samples: AC93020

Client: TRC Environmental

Analysis Name: Mercury Unit of Measure: mg/kG

Batch Name: HG8_S-19754

16-May-06

16-May-06

QA Sample #: AC93020 York's Sample ID: 06050161-03

Matrix Spike ... Spike Duplicate

³arameter Unspiked LCS(%) Result Blank Amount Result Recovery, % Duplicate Recovery,% Precision, RPD HG8_S Not detected Not detected 1.50 1.40 90.1 Not detected 2.3

Associated Samples: AC93020

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19755

QA Sample #: AC93020 York's Sample ID: 06050161-03

Matrix Spike Spike Duplicate 'arameter Unspiked LCS(%) Result Blank Result Recovery, % **Duplicate** Recovery,% Precision, RPD Amount **HGTCLP** 107.8 Not detected Not detected 0.0030 0.0027 86.3 Not detected 0

Report Date: 5/30/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050640

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/18/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-3-050306 (SPARE)	
York Sample ID			06050640-01	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Lead	SW846-6010	mg/kG	133	0.500
TCLP Lead	SW846-1311/6010	mg/L	0.493	0.005
Total Solids	SM 2540B	%	54.2	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Report Date: 5/30/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050640

Notes for York Project No. 06050640

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradley Managing Director Date: 5/30/2006

QA/QC Summary Report

Associated Samples: AC94572

30-May-06

Client: TRC Environmental

Analysis Name: Lead

Batch Name: PB_S-19965

QA Sample #: AC94572

Unit of Measure: mg/kG

York's Sample ID: 06050640-01

Parameter

Unspiked Result

Blank

Matrix Spike

Spike Duplicate

LCS(%)

Amount Result

Recovery,% Precision, RPD

0.9

101

133 Not detected 50.0

165

Recovery, % 102.0

Duplicate 113

30-May-06

Associated Samples: AC94572

Client: TRC Environmental

Analysis Name: TCLP Lead Unit of Measure: mg/L

Batch Name: PB_TCLP-19966

QA Sample #: AC94572

York's Sample ID: 06050640-01

Parameter

Unspiked

Matrix Spike

Result

Spike Duplicate

LCS(%)

Result

Blank

Amount

Duplicate

Recovery,% Precision, RPD

PB_TCLP

0.493

YORK

Report Date: 5/17/2006 Client Project ID: 42798-0110-00000

York Project No.: 06050231

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/05/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050406		PR-VOC2-050406	
York Sample ID			06050231-01		06050231-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			10	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			200	5.0	470	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-4-050406	
York Sample ID			06050231-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	12
2,4,5-Trichlorophenol			Not detected	12
2,4,6-Trichlorophenol			Not detected	12
2,4-Dinitrotoluene	_		Not detected	12
Cresol (Total)			Not detected	12
Hexachloro-1,3-butadiene			Not detected	12
Hexachlorobenzene			Not detected	12
Hexachloroethane			Not detected	12
m-Cresol			Not detected	12
Nitrobenzene			Not detected	12
o-Cresol			Not detected	12
p-Cresol			Not detected	12
Pentachlorophenol			Not detected	12
Pyridine			Not detected	12
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			0.020	0.010
TCLP Barium			0.450	0.010
TCLP Cadmium			0.005	0.005
TCLP Chromium		,	0.042	0.005
TCLP Lead			0.122	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	2.00
Endrin			Not detected	0.048
Heptachlor (and the epoxide)			Not detected	0.048
Lindane			Not detected	0.048
Methoxychlor			Not detected	0.480
Toxaphene			Not detected	2.00
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			13	5.0
Benzene	_		Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0
Tetrachloroethylene			320	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

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Client Sample ID			PR-4-050406	
York Sample ID			06050231-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			1.81	1.00
Barium, total			64.0	0.50
Cadmium, total			Not detected	0.50
Chromium, total			22.7	0.50
Lead, total			212	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	51.9	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050231

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Director

Date: 5/17/2006

QA/QC Summary Report

Associated Samples: AC93211

Client: TRC Environmental

17-May-06

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Batch Name: \$BNAW-19760

QA Sample #: AC93211 York's Sample ID: 06050231-03

						Matrix Spik	(e		Spike Duplicate		
Pa 등기	arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
P	yrene	70	Not detected	Not detected	100	66	66.000	73	73.000	10.072	
1	,2,4-trichlorobenzene	41	Not detected	Not detected	100	40	40.000	41	41.000	2.469	
P	Phenol	33	Not detected	Not detected	200	62	31.000	67	33.500	7.752	
P	entachlorophenol	67	Not detected	Not detected	200	129	64.500	137	68.500	6.015	
N	I-Nitroso-di-n-propylamine	38	Not detected	Not detected	100	55	55.000	60	60.000	8.696	
Α	cenapthene	57	Not detected	Not detected	100	54	54.000	60	60.000	10.526	
4	-Chloro-3-methyliphenol	61	Not detected	Not detected	200	122	61.000	122	61.000	0.000	
_2	-Chlorophenol	48	Not detected	Not detected	200	91	45.500	98	49.000	7.407	
- 2	,4-Dinitrotoluene	55	Not detected	Not detected	100	53	53.000	57	57.000	7.273	
1	,4-Dichlorobenzene	36	Not detected	Not detected	100	35	35.000	37	37.000	5.556	
4	-Nitrophenol	38	Not detected	Not detected	200	70	35.000	83	41.500	16.993	



QA/QC Summary Report

Associated Samples: AC93211

Client: TRC Environmental

17-May-06

Chora Treatment

Analysis Name: *Metals, Target Analyte List(TAL)*Unit of Measure: ppm

Batch Name: \$MTAQ-19761

QA Sample #: AC93211

York's Sample ID: 06050231-03

2					Matrix Spike	•		Spike Duplicate	
³ arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Potassium	Not detected	Not detected	Not detected	I	Not detected		Not detected		
Selenium	95.4	Not detected	Not detected	2.00	1.88	94.000	Not detected		
Silver	106	Not detected	Not detected	0.050	0.053	106.000	Not detected		
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Cadmium	95.6	Not detected	Not detected	0.050	0.048	96.000	Not detected		
Sodium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Lead	102	0.005	Not detected	0.500	0.502	99.400	0.005		0.000
Iron	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected	,	
Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
Beryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Barium	107	0.347	Not detected	2.00	2.45	105.150	0.351		1.146
Arsenic	98.1	Not detected	Not detected	2.00	1.93	96.500	Not detected		
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Chromium	99.8	Not detected	Not detected	0.200	0.199	99.500	Not detected		



QA/QC Summary Report

Associated Samples: AC93211

Client: TRC Environmental

102

Not detected

Vanadium

33.9

Not detected

Batch Name: \$MTS-19762

17-May-06

Analysis Name: Unit of Measure:	Metals, Target An	alyte List(TA	L)	Batch Nam	e: \$MTS-1	9762		•	AC93211 06050231-03	
4 d					Matrix Spike	•		Spike Dupl	icate	
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recover	y,% Precision, RPI)
Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected	
Arsenic	101	3.80	Not detected	200	195	95.60	3.66		3.75	

	Antimony	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Arsenic	101	3.80	Not detected	200	195	95.60	3.66	3.75
	Sodium	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Zinc	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
42 9	Aluminum	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Thallium	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Silver	102	0	Not detected	5.0	4.46	89.20	Not detected	Not detected
	Selenium	99.2	0	Not detected	200	187	93.50	Not detected	Not detected
	Potassium	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Nickel	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Manganese	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
56	Magnesium	Not detected	Not detected	Not detected	Not detected No	t detected	x. ·	Not detected	Not detected
	Iron	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Copper	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Cobalt	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
83	Chromium	95.8	11.1	Not detected	20.0	30.8	98.500	11.2	0.897
	Calcium	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Cadmium	96.9	0.64	Not detected	5.0	5.30	93.200	0.64	0.000
	Beryllium	Not detected	Not detected	Not detected	Not detected No	t detected		Not detected	Not detected
	Barium	104	53.0	Not detected	200	262	104.50	53.2	0.38

50.0

Not detected Not detected

Not detected

Not detected

83.1

98.40

34.2

Not detected

0.88

Not detected



QA/QC Summary Report

Associated Samples: AC93211

Client: TRC Environmental

17-May-06

Analysis Name: Pesticide QC only-waters

Unit of Measure: ug/L

Batch Name: \$PESTW-19763

QA Sample #: AC93211

York's Sample ID: 06050231-03

2		H			Matrix Spil	(e		Spike Duplicate	1
³ arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	60	Not detected	Not detected	1.00	0.56	56.000	0.64	64.000	13.333
Lindane	72	Not detected	Not detected	1.00	0.66	66.000	0.78	78.000	16.667
Heptachlor	57	Not detected	Not detected	1.00	0.53	53.000	0.61	61.000	14.035
Dieldrin	64	Not detected	Not detected	2.00	1.21	60.500	1.37	68.500	12.403
4,4'-DDT	56	Not detected	Not detected	2.00	1.04	52.000	1.19	59.500	13.453
Endrin	68	Not detected	Not detected	2.00	1.28	64.000	1.43	71.500	11.070

Associated Samples: AC93211

Client: TRC Environmental

Unit of Measure: ug/L

Analysis Name: TCLP Herblcides

Batch Name: \$TCLPHRB-19764

QA Sample #: AC93211

York's Sample ID: 06050231-03

17-May-06

Matrix Spike Spike Duplicate ³arameter Unspiked LCS(%) Blank Recovery,% Precision, RPD Result Result Recovery, % **Duplicate** Amount

2,4,5-TP (Silvex)

Not detected

2,4-D

Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93211

Client: TRC Environmental

Batch Name: \$VOAW-19765

17-May-06

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

QA Sample #: AC93211

York's Sample ID: 06050231-03

"· <u> </u>				Matrix Spike	е		Spike Duplicate		
Parameter		spiked Result Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RP	0
1,1-Dichloroethylene	110 Not o	detected Not detected	50	52	104.0	55	110.0	5.6	
Benzene	104 Not o	detected Not detected	50	51	102.0	49	98.0	4.0	
Chlorobenzene	100 Not o	detected Not detected	50	50	100.0	48	96.0	4.1	
Toluene	98 Not o	detected Not detected	50	50	100.0	50	100.0	0.0	
Trichloroethylene	96 Not 0	detected Not detected	50	49	98.0	49	98.0	0.0	
Benzene Chlorobenzene Toluene	104 Not of 100 Not of 98 Not of	detected Not detected detected Not detected Not detected	50 50 50	51 50 50	102.0 100.0 100.0	49 48 50	98.0 96.0 100.0	4.0 4.1 0.0	

Associated Samples: AC93211

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Not detected

QA Sample #: AC93211 York's Sample ID: 06050231-03

17-May-06

17-May-06

Matrix Spike Spike Duplicate **Parameter** Unspiked

LCS(%) Result Blank Result Recovery, % Duplicate Recovery,% Precision, RPD **Amount**

HG8_S 82.2 Not detected Not detected 1.50 1.35 89.4 Not detected 0

Associated Samples: AC93211

Client: TRC Environmental

82.0

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

HGTCLP

Batch Name: HGTCLP-19767

0.0026

86.2

Not detected

Batch Name: HG8_S-19766

QA Sample #: AC93211

York's Sample ID: 06050231-03

Matrix Spike Spike Duplicate **Parameter** Unspiked LCS(%) Result Rlank Recovery, % Amount Result Duplicate Recovery,% Precision, RPD

0.0030

Not detected

YORK

0

Report Date: 5/18/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050284

TRC Environmental 21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/08/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050506		PR-VOC2-050506	
York Sample ID			06050284-01		06050284-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	5	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			120	5.0	240	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-5-050506	
York Sample ID			06050284-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	11
2,4,5-Trichlorophenol			Not detected	11
2,4,6-Trichlorophenol			Not detected	11
2,4-Dinitrotoluene			Not detected	11
Cresol (Total)			Not detected	11
Hexachloro-1,3-butadiene			Not detected	11
Hexachlorobenzene			Not detected	11
Hexachloroethane			Not detected	11
m-Cresol			Not detected	11
Nitrobenzene			Not detected	11
o-Cresol			Not detected	11
p-Cresol			Not detected	11
Pentachlorophenol			Not detected	11
Pyridine			Not detected	11
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			0.017	0.010
TCLP Barium			0.427	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.032	0.005
TCLP Lead			0.427	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	2.80
Endrin			Not detected	0.0672
Heptachlor (and the epoxide)			Not detected	0.0672
Lindane			Not detected	0.0672
Methoxychlor	_		Not detected	0.672
Toxaphene			Not detected	2.80
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			40	5.0
Benzene _			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			200	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

200

H 1000 M

Client Sample ID			PR-5-050506	
York Sample ID			06050284-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			2.57	1.00
Barium, total			114	0.50
Cadmium, total			Not detected	0.50
Chromium, total			17.4	0.50
Lead, total			172	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	63.1	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050284

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.

7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradle

Managing Director

Date: 5/18/2006



QA/QC Summary Report

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: BNA QC-waters/tclps Unit of Measure: ug/L

Batch Name: \$BNAW-19770

QA Sample #: AC93398 York's Sample ID: 06050284-03

B		Unspiked		Matrix Spike			Spike Duplicate		
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	64	Not detected	Not detected	100	66	66.000	62	62.000	6.250
1,2,4-trichlorobenzene	49	Not detected	Not detected	100	51	51.000	46	46.000	10.309
੍ਰੋ Phenol	33	Not detected	Not detected	200	71	35.500	61	30.500	15.152
Pentachlorophenol	91	Not detected	Not detected	200	188	94.000	175	87.500	7.163
N-Nitroso-di-n-propylamine	48	Not detected	Not detected	100	50	50.000	45	45.000	10.526
Acenapthene	61	Not detected	Not detected	100	64	64.000	58	58.000	9.836
4-Chloro-3-methyliphenol	67	Not detected	Not detected	200	140	70.000	126	63.000	10.526
3-Chlorophenol	55	Not detected	Not detected	200	116	58.000	105	52.500	9.955
2,4-Dinitrotoluene	62	Not detected	Not detected	100	63	63.000	60	60.000	4.878
1,4-Dichlorobenzene	45	Not detected	Not detected	100	47	47.000	43	43.000	8.889
4-Nitrophenol	45	Not detected	Not detected	200	96	48.000	84	42.000	13.333

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93398

Client: TRC Environmental

18-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19771

QA Sample #: AC93398 York's Sample ID: 06050284-03

Parameter		Unspiked			Matrix Spike)		Spike Duplicate	•
ratameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Vanadium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Manganese	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Nickel	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Potassium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Selenium	95.4	Not detected	Not detected	2.00	1.88	94.000	Not detected		
Silver	106	Not detected	Not detected	0.050	0.053	106.000	Not detected		
Zinc	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Thallium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Cadmium	95.6	Not detected	Not detected	0.050	0.048	96.000	Not detected		
Sodium	Not detected	Not detected	Not detected	ı	Not detected		Not detected		
Lead	102	0.005	Not detected	0.500	0.502	99.400	0.005		0.000
Iron	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Copper	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Calcium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Beryllium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Barium	107	0.347	Not detected	2.00	2.45	105.150	0.351		1.146
Arsenic	98.1	Not detected	Not detected	2.00	1.93	96.500	Not detected		
Antimony	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Aluminum	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
Chromium	99.8	Not detected	Not detected	0.200	0.199	99.500	Not detected		



QA/QC Summary Report

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL) Unit of Measure:

Batch Name: \$MTS-19772

QA Sample #: AC93398 York's Sample ID: 06050284-03

Matrix Spike Spike Duplicate Parameter Unspiked LCS(%) Result Blank Amount Recovery, % Duplicate Recovery,% Precision, RPD Result Antimony Not detected Arsenic 101 6.93 Not detected 200 200 96.54 6.65 4.12 Sodium Not detected ☑ Zinc Not detected Aluminum Not detected Thallium Not detected Silver 101 0 5.0 4.91 98.20 0 Not detected Not detected Selenium 96.9 0 Not detected 200 190 95.00 0 Not detected Potassium Not detected Nickel Not detected Manganese Not detected Magnesium Not detected Iron Not detected Copper Not detected Cobalt Not detected Chromium 9.32 Not detected 28.6 96.400 9.27 0.538 Calcium Not detected Cadmium 95.9 0 4.67 93.400 0 Not detected 5.0 Not detected Beryllium Not detected Barium
 Ba 103 200 256 49.1 103.45 48 7 0.82 Not detected Lead 99.2 14.9 Not detected 50.0 63.5 97.20 14.7 1.35 Vanadium Not detected Not detected Not detected Not detected Not detected Not detected Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters Unit of Measure: ug/L

Batch Name: \$PESTW-19773

QA Sample #: AC93398

York's Sample ID: 06050284-03

				Matrix Spike			Spike Duplicate		
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	70	Not detected	Not detected	1.00	0.65	65.000	0.75	75.000	14.286
Lindane	76	Not detected	Not detected	1.00	0.70	70.000	0.81	81.000	14.570
Heptachlor	64	Not detected	Not detected	1.00	0.61	61.000	0.68	68.000	10.853
Dieldrin	69	Not detected	Not detected	2.00	1.30	65.000	1.46	73.000	11.594
4,4'-DDT	61	Not detected	Not detected	2.00	1.13	56.500	1.29	64.500	13.223
Endrin	72	Not detected	Not detected	2.00	1.37	68.500	1.53	76.500	11.034

Associated Samples: AC93398

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19774

QA Sample #: AC93398

18-May-06

York's Sample ID: 06050284-03

Parameter	Unspiked				Matrix Spil	ke	Spike Duplicate		
raiametei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	80.1	Not detected	Not detected	40	29.8	745	25.9	64.8	4.0
2,4-D	71.9	Not detected	Not detected	40	31.6	79.0	28.4	71.0	10.7



QA/QC Summary Report

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Batch Name: \$VOAW-19775

QA Sample #: AC93398 York's Sample ID: 06050284-03

Unit of Measure: ug/L

1 -: 1	İ		Matrix Spike			Spike Duplicate					
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
	1,1-Dichloroethylene	110	Not detected	Not detected	50	52	104.0	55	110.0	5.6	
	Benzene	104	Not detected	Not detected	50	51	102.0	49	98.0	4.0	
	Chlorobenzene	100	Not detected	Not detected	50	50	100.0	48	96.0	4.1	
	Toluene	98	Not detected	Not detected	50	50	100.0	50	100.0	0.0	
cond	Trichloroethylene	96	Not detected	Not detected	50	49	98.0	49	98.0	0.0	

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: Mercury Unit of Measure: mg/kG

Batch Name: HG8_S-19776

QA Sample #: AC93398

York's Sample ID: 06050284-03

Parameter			Matrix Spil	ke * -	Spike Duplicate				
	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HG8_S	82.2	Not detected	Not detected	1.50	1.55	103.3	Not detected		0

Associated Samples: AC93398

18-May-06

Client: TRC Environmental

Analysis Name: TCLP Mercury Unit of Measure: mg/L

Batch Name: HGTCLP-19777

QA Sample #: AC93398 **York's Sample ID:** 06050284-03

Parameter		Unspiked		Matrix Spike			Spike Duplicate		
	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HGTCLP	92.5	Not detected	Not detected	0.0030	0.0026	86.2	Not detected		0

Report Date: 5/18/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050322

TRC Environmental 21 Griffin Road North Windsor, CT 06095

Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/09/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

			· ·			
Client Sample ID			PR-VOC1-050806		PR-VOC2-050806	
York Sample ID			06050322-01		06050322-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	130	Not detected	100
1,2-Dichloroethane			Not detected	130	Not detected	100
1,4-Dichlorobenzene			Not detected	130	Not detected	100
Benzene			Not detected	130	Not detected	100
Carbon tetrachloride			Not detected	130	Not detected	100
Chlorobenzene			Not detected	130	Not detected	100
Chloroform			Not detected	130	Not detected	100
Methyl Ethyl Ketone			4500	130	3700	100
Tetrachloroethylene			Not detected	130	Not detected	100
Trichloroethylene			Not detected	130	Not detected	100
Vinyl Chloride			Not detected	130	Not detected	100

Client Sample ID			PR-6-050806	
York Sample ID			06050322-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	11_
2,4,5-Trichlorophenol			Not detected	11
2,4,6-Trichlorophenol			Not detected	11
2,4-Dinitrotoluene			Not detected	11
Cresol (Total)			Not detected	11
Hexachloro-1,3-butadiene			Not detected	11
Hexachlorobenzene			Not detected	_11
Hexachloroethane			Not detected	11
m-Cresol			Not detected	11
Nitrobenzene			Not detected	11
o-Cresol			Not detected	11
p-Cresol			Not detected	11
Pentachlorophenol			Not detected	11
Pyridine			Not detected	11
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			0.012	0.010
TCLP Barium			0.234	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.024	0.005
TCLP Lead			0.179	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		2.00
Chlordane			Not detected	2.00
Endrin			Not detected	0.048
Heptachlor (and the epoxide)			Not detected	0.048
Lindane			Not detected	0.048
Methoxychlor			Not detected	0.480
Toxaphene	0331046 1211/0260	/T	Not detected	2.00
TCLP Volatiles	SW846-1311/8260	ug/L	NI-4 1-44-1	
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane		_	Not detected	5.0
1,4-Dichlorobenzene			8 Not detected	5.0
Benzene Carbon tetrachloride			Not detected Not detected	5.0
		-	Not detected	
Chlorobenzene Chloroform			Not detected	5.0
			320	5.0
Methyl Ethyl Ketone Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0
Total RCRA Metals	SW846	mg/kG		
Arsenic, total	5 YY 040	IIIg/kU	1.36	1.00
Barium, total			19.5	0.50
Cadmium, total		_	Not detected	0.50
Chromium, total			13.6	0.50
Cinoninum, total			13.0	0.50

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Client Sample ID			PR-6-050806	
York Sample ID			06050322-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Lead, total			304	0.50
Selenium, total			Not detected	1.00
Silver, total			1.84	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	49.9	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050322

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.

7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Director

Date: 5/18/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93477

Client: TRC Environmental

QA Sample #: AC93477

18-May-06

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Batch Name: \$BNAW-19783

York's Sample ID: 06050322-03

Parameter			Unspiked			Matrix Spik	Spike Duplicate			
*	rafailletei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
੍ਹ	Pyrene	64	Not detected	Not detected	100	66	66.000	62	62.000	6.250
-	1,2,4-Trichlorobenze	49	Not detected	Not detected	100	51	51.000	46	46.000	10.309
A Company	Phenol	33	Not detected	Not detected	200	71	35.500	61	30.500	15.152
1	Pentachlorophenol	91	Not detected	Not detected	200	188	94.000	175	87.500	7.163
্ৰ	N-Nitroso-di-n-propyl	48	Not detected	Not detected	100	50	50.000	45	45.000	10.526
Carlo Co	Acenapthene	61	Not detected	Not detected	100	64	64.000	58	58.000	9.836
	4-Chloro-3-methylph	67	Not detected	Not detected	200	140	70.000	126	63.000	10.526
4	2-Chlorophenol	55	Not detected	Not detected	200	116	58.000	105	52.500	9.955
j	2,4-Dinitrotoluene	62	Not detected	Not detected	100	63	63.000	60	60.000	4.878
ed.	1,4-Dichlorobenzene	45	Not detected	Not detected	100	47	47.000	43	43.000	8.889
	4-Nitrophenol	45	Not detected	Not detected	200	96	48.000	84	42.000	13.333

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93477

Client: TRC Environmental

18-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19784

QA Sample #: AC93477 **York's Sample ID:** 06050322-03

York's Sample I

Danamatan		11			Matrix Spike	•	Spike Duplicate			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Vanadium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected			
Manganese	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		•	
Nickel	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected			
Potassium	Not detected	Not detected	Not detected	N	Not detected		Not detected			
Selenium	95.4	Not detected	Not detected	2.00	1.88	94.000	Not detected			
Silver	106	Not detected	Not detected	0.050	0.053	106.000	Not detected			
Zinc	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected			
Thallium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected			
Magnesium	Not detected	Not detected	Not detected	1	Not detected		Not detected			
Cadmium	95.6	Not detected	Not detected	0.050	0.048	96.000	Not detected			
Sodium	Not detected	Not detected	Not detected	١	Not detected		Not detected			
Lead	102	0.005	Not detected	0.500	0.502	99.400	0.005		0.000	
iron	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected			
Copper	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected			
Cobalt	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected			
Calcium	Not detected	Not detected	Not detected	1	Not detected		Not detected			
Beryllium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected			
Barium	107	0.347	Not detected	2.00	2.45	105.150	0.351		1.146	
Arsenic	98.1	Not detected	Not detected	2.00	1.93	96.500	Not detected			
Antimony	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected			
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected			
Chromium	99.8	Not detected	Not detected	0.200	0.199	99.500	Not detected			

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93477

Client: TRC Environmental

18-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19785

QA Sample #: AC93477 York's Sample ID: 06050322-03

-	Darameter		11			Matrix Spike		;	Spike Duplicate	
· Same	Parameter Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
200	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
٠,	Arsenic	101	6.93	Not detected	200	200	96.54	6.65		4.12
-	Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
·i	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
9	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
•	Silver	101	0	Not detected	5.0	4.91	98.20	Not detected		Not detected
Share	Selenium	96.9	0	Not detected	200	190	95.00	Not detected		Not detected
1	Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
•	Nickel	Not detected	Not detected	Not detected	50.0	Not detected		Not detected		Not detected
	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected	9 .	Not detected		Not detected
9	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Section Commen	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Section .	Chromium	94.4	9.32	Not detected	20.0	28.6	96.400	9.27		0.538
	Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
,	Cadmium	95.9	0	Not detected	5.0	4.67	93.400	Not detected		Not detected
Section .	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
a)	Barium	103	49.1	Not detected	200	256	103.45	48.7		0.82
3	Lead	99.2	14.9	Not detected	50.0	63.5	97.20	14.7		1.35
- Salahar	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93477

Analysis Name: Pesticide QC only-waters

Unit of Measure: ug/L

Client: TRC Environmental

Batch Name: \$PESTW-19786

18-May-06

QA Sample #: AC93477 York's Sample ID: 06050322-03

Parameter		Unspiked		Matrix Spike				Spike Duplicate			
raidiliciei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD		
Aldrin	70	Not detected	Not detected	1.00	0.65	65.000	0.75	75.000	14.286		
Lindane	76	Not detected	Not detected	1.00	0.70	70.000	0.81	81.000	14.570		
Heptachlor	64	Not detected	Not detected	1.00	0.61	61.000	0.68	68.000	10.853		
Dieldrin	69	Not detected	Not detected	2.00	1.30	65.000	1.46	73.000	11.594		
4,4'-DDT	61	Not detected	Not detected	2.00	1.13	56.500	1.29	64.500	13.223		
Endrin	72	Not detected	Not detected	2.00	1.37	68.500	1.53	76.500	11.034		

Associated Samples: AC93477

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Client: TRC Environmental

Batch Name: \$TCLPHRB-19787

18-May-06

QA Sample #: AC93477 York's Sample ID: 06050322-03

Matrix Spike Spike Duplicate **Parameter** Unspiked LCS(%) Result Blank Duplicate Recovery,% Precision, RPD Amount Result Recovery, % 2,4,5-TP (Silvex) 71.9 Not detected Not detected 40 29.6 74.0 27.5 68.8 7.4 2,4-D 67.5 Not detected Not detected 79.0 7.2 40 31.6 29.4 73.5

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93477

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Client: TRC Environmental

Batch Name: \$VOAW-19788

18-May-06

QA Sample #: AC93477 York's Sample ID: 06050322-03

5 4			Umanikad			Matrix Spik	e		Spike Duplicate	
	Parameter 1,1-Dichloroethylene	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	1,1-Dichloroethylene	102	Not detected	Not detected	50	52	104.0	55	110.0	5.6
K sala	Benzene	96	Not detected	Not detected	50	51	102.0	49	98.0	4.0
		96	Not detected	Not detected	50	50	100.0	48	96.0	4.1
1013	Toluene	98	Not detected	Not detected	50	50	100.0	50	100.0	0.0
7 % 6/	Trichloroethylene	94	Not detected	Not detected	50	49	98.0	49	98.0	0.0

Associated Samples: AC93477

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19789

QA Sample #: AC93477

18-May-06

18-May-06

York's Sample ID: 06050322-03

Parameter			Matrix Spik	e ž.	Spike Duplicate				
201	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HG8_S	75.6	Not detected	Not detected	1.50	1.57	102.6	Not detected		17.6

Associated Samples: AC93477

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19790

QA Sample #: AC93477 York's Sample ID: 06050322-03

Spike Duplicate Matrix Spike

हेलुं Parameter Unspiked LCS(%) Result Blank **Amount** Result Recovery, % Duplicate Recovery,% Precision, RPD **HGTCLP** 92.5 Not detected Not detected 0.0030 0.0026 96.2 Not detected 0

Report Date: 5/19/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050375

TRC Environmental 21 Griffin Road North Windsor, CT 06095

Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/10/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-050906		PR-VOC2-050906	
York Sample ID			06050375-01		06050375-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	25	Not detected	50
1,2-Dichloroethane			Not detected	25	Not detected	50
1,4-Dichlorobenzene			Not detected	25	Not detected	50
Benzene			Not detected	25	Not detected	50
Carbon tetrachloride			Not detected	25	Not detected	50
Chlorobenzene			Not detected	25	Not detected	50
Chloroform			Not detected	25	Not detected	50
Methyl Ethyl Ketone			2100	25	4900	50
Tetrachloroethylene	_		Not detected	25	Not detected	50
Trichloroethylene			Not detected	25	Not detected	50
Vinyl Chloride			Not detected	25	Not detected	50

Client Sample ID			PR-7-050906	
York Sample ID			06050375-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	8.7
2,4,5-Trichlorophenol		_	Not detected	8.7
2,4,6-Trichlorophenol			Not detected	8.7
2,4-Dinitrotoluene			Not detected	8.7
Cresol (Total)			Not detected	8.7
Hexachloro-1,3-butadiene			Not detected	8.7
Hexachlorobenzene			Not detected	8.7
Hexachloroethane			Not detected	8.7
m-Cresol			Not detected	8.7
Nitrobenzene			Not detected	8.7
o-Cresol			Not detected	8.7
p-Cresol			Not detected	8.7
Pentachlorophenol			Not detected	8.7
Pyridine			Not detected	8.7
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic		_ •	0.020	0.010
TCLP Barium			0.326	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.033	0.005
TCLP Lead			0.134	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	2.50
Endrin			Not detected	0.060
Heptachlor (and the epoxide)			Not detected	0.060
Lindane			Not detected	0.060
Methoxychlor			Not detected	0.600
Toxaphene			Not detected	2.50
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			14	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	、5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			260	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

Client Sample ID			PR-7-050906	
York Sample ID			06050375-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			2.07	1.00
Barium, total			57.1	0.50
Cadmium, total			1.13	0.50
Chromium, total			14.8	0.50
Lead, total			368	0.50
Selenium, total			Not detected	1.00
Silver, total			35.3	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	56.6	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050375

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Director

Date: 5/19/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93660

19-May-06

Client: TRC Environmental

Analysis Name: BNA QC-waters/tclps
Unit of Measure: ug/L

Batch Name: \$BNAW-19808

QA Sample #: AC93660

York's Sample ID: 06050375-03

S. 4.200					Matrix Spil	ke		Spike Duplicate	;
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	64	Not detected	Not detected	100	66	66.000	62	62.000	6.250
1,2,4-trichlorobenzene	49	Not detected	Not detected	100	51	51.000	46	46.000	10.309
Phenol	33	Not detected	Not detected	200	71	35.500	61	30.500	15.152
Pentachlorophenol	91	Not detected	Not detected	200	188	94.000	175	87.500	7.163
N-Nitroso-di-n-propylamine	48	Not detected	Not detected	100	50	50.000	45	45.000	10.526
Acenapthene	61	Not detected	Not detected	100	64	64.000	58	58.000	9.836
4-Chloro-3-methyliphenol	67	Not detected	Not detected	200	140	70.000	126	63.000	10.526
2-Chlorophenol	55	Not detected	Not detected	200	116	58.000	105	52.500	9.955
2,4-Dinitrotoluene	62	Not detected	Not detected	100	63	63.000	60	60.000	4.878
1,4-Dichlorobenzene	45	Not detected	Not detected	100	47	47.000	43	43.000	8.889
4-Nitrophenol	45	Not detected	Not detected	200	96	48.000	84	42.000	13.333



QA/QC Summary Report

Associated Samples: AC93660

19-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Batch Name: \$MTAQ-19809

QA Sample #: AC93660

Jnit of	Measure:	ppm

York's Sample ID:	06050375-03

D				Matrix Spike			Spike Duplicate		
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
Selenium	95.4	Not detected	Not detected	2.00	1.88	94.000	Not detected		
Silver	106	Not detected	Not detected	0.050	0.053	106.000	Not detected		
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
Cadmium	95.6	Not detected	Not detected	0.050	0.048	96.000	Not detected		
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
Lead	102	0.005	Not detected	0.500	0.502	99.400	0.005		0.000
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Barium	107	0.347	Not detected	2.00	2.45	105.150	0.351		1.146
Arsenic	98.1	Not detected	Not detected	2.00	1.93	96.500	Not detected		
Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Chromium	99.8	Not detected	Not detected	0.200	0.199	99.500	Not detected		



QA/QC Summary Report

Associated Samples: AC93660

19-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19810

QA Sample #: AC93660 York's Sample ID: 06050375-03

? 					Matrix Spike			Spike Duplicate			
greek Treek	Parameter }	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
	Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Arsenic	101	6.93	Not detected	200	200	96.54	6.65		4.12	
5.77 8. 1	Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
ē	Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
2 -	Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Silver	101	0	Not detected	5.0	4.91	98.20	Not detected		Not detected	
F. 3	Selenium	96.9	0	Not detected	200	190	95.00	Not detected		Not detected	
	Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Manganese	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected	F.	Not detected		Not detected	
	Iron	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	
	Copper	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	
	Cobalt	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	
	Chromium	94.4	9.32	Not detected	20.0	28.6	96.400	9.27		0.538	
	Calcium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	
	Cadmium	95.9	0	Not detected	5.0	4.67	93.400	Not detected		Not detected	
	Beryllium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	
	Barium	103	49.1	Not detected	200	256	103.45	48.7 •		0.82	
6.00	Lead	99.2	14.9	Not detected	50.0	63.5	97.20	14.7		1.35	
	Vanadium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected	

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93660

19-May-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters

QA Sample #: AC93660

Unit of Measure: ug/L

Batch Name: \$PESTW-19811 York's Sample ID: 06050375-03

				Matrix Spike Spike Duplica					
² arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	70	Not detected	Not detected	1.00	0.65	65.000	0.75	75.000	14.286
Lindane	76	Not detected	Not detected	1.00	0.70	70.000	0.81	81.000	14.570
Heptachlor	64	Not detected	Not detected	1.00	0.61	61.000	0.68	68.000	10.853
Dieldrin	69	Not detected	Not detected	2.00	1.30	65.000	1.46	73.000	11.594
4,4'-DDT	61	Not detected	Not detected	2.00	1.13	56.500	1.29	64.500	13.223
Endrin	72	Not detected	Not detected	2.00	1.37	68.500	1.53	76.500	11.034

Associated Samples: AC93660

19-May-06

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19812

QA Sample #: AC93660

York's Sample ID: 06050375-03

'arameter				Matrix Spil	(e	Spike Duplicate			
rarameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	79.8	Not detected	Not detected	4.0	39.7	99.3	35.9	89.8	10.1
2,4-DN	71.6	Not detected	Not detected	4.0	35.9	89.8	34.2	85.5	4.9



QA/QC Summary Report

Associated Samples: AC93660

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Batch Name: \$VOAW-19813 **QA Sample #:** AC93660 York's Sample ID: 06050375-03

B					Matrix Spil	Spike Duplicate			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	102	Not detected	Not detected	50	52	104.0	55	110.0	5.6
Benzene	96	Not detected	Not detected	50	51	102.0	49	98.0	4.0
Chlorobenzene	96	Not detected	Not detected	50	50	100.0	48	96.0	4.1
Toluene	98	Not detected	Not detected	50	50	100.0	50	100.0	0.0
Trichloroethylene	94	Not detected	Not detected	50	49	98.0	49	98.0	0.0

Associated Samples: AC93660

Client: TRC Environmental

19-May-06

19-May-06

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19814

QA Sample #: AC93660 York's Sample ID: 06050375-03

Matrix Spike Spike Duplicate Parameter Unspiked LCS(%) Result Blank **Amount** Result Recovery, % **Duplicate** Recovery,% Precision, RPD HG8 S Not detected Not detected 1.50 1.43 94.3 75.6 Not detected 9.4

Associated Samples: AC93660

Client: TRC Environmental

19-May-06

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19815

QA Sample #: AC93660

York's Sample ID: 06050375-03

Matrix Spike Spike Duplicate **Parameter** Unspiked LCS(%) Result Blank Result Recovery, % Duplicate Recovery,% Precision, RPD Amount **HGTCLP** 92.5 0.0029 96.2 Not detected Not detected 0.0030 Not detected 0

Report Date: 5/22/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050427

TRC Environmental 21 Griffin Road North Windsor, CT 06095

Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/11/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-051006		PR-VOC2-051006	
York Sample ID			06050427-01		06050427-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			9	5.0	49	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			290	5.0	76	5.0
Tetrachloroethylene			Not detected	5.0	8	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-VOC3-051006	
York Sample ID			06050427-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			21	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			460	5.0
Tetrachloroethylene			15	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

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Section Section

Service Control

Client Sample ID	<u> </u>		PR-8-051006		PR-15-051006	
York Sample ID			06050427-04		06050427-05	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L				
1,4-Dichlorobenzene			Not detected	12	Not detected	15
2,4,5-Trichlorophenol			Not detected	12	Not detected	15
2,4,6-Trichlorophenol			Not detected	12	Not detected	15
2,4-Dinitrotoluene			Not detected	12	Not detected	15
Cresol (Total)			13	12	24	15
Hexachloro-1,3-butadiene			Not detected	12	Not detected	15
Hexachlorobenzene			Not detected #	12	Not detected	15
Hexachloroethane			Not detected	12	Not detected	15
m-Cresol			Not detected	12	Not detected	15
Nitrobenzene			Not detected	12	Not detected	15
o-Cresol			Not detected	12	Not detected	15
p-Cresol			13	12	24	15
Pentachlorophenol			Not detected	12	Not detected	15
Pyridine			Not detected	12	Not detected	15
TCLP Herbicides	SW-846/8151	ug/L				
2,4,5-TP (Silvex)			Not detected	25.0	Not detected	25.0
2,4-D			Not detected	25.0	Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L				
TCLP Arsenic			0.033	0.010	0.034	0.010
TCLP Barium			0.372	0.010	0.383	0.010
TCLP Cadmium			Not detected	0.005	0.006	0.005
TCLP Chromium			0.037	0.005	0.055	0.005
TCLP Lead			0.354	0.005	0.554	0.005
TCLP Selenium			Not detected	0.010	Not detected	0.010
TCLP Silver			Not detected	0.005	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0010	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L				
Chlordane			Not detected	4.00	Not detected	3.10
Endrin			Not detected	0.096	Not detected	0.0744
Heptachlor (and the epoxide)			Not detected	0.096	Not detected	0.0744
Lindane			Not detected	0.096	Not detected	0.0744



Client Sample ID			PR-8-051006		PR-15-051006	
York Sample ID			06050427-04		06050427-05	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
Methoxychlor			Not detected	0.960	Not detected	0.744
Toxaphene			Not detected	4.00	Not detected	3.10
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			37	5.0	55	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			240	5.0	160	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0
Total RCRA Metals	SW846	mg/kG				
Arsenic, total			7.45	1.00	5.11	1.00
Barium, total			52.8	0.50	71.3	0.50
Cadmium, total			0.74	0.50	Not detected	0.50
Chromium, total			25.4	0.50	20.1	0.50
Lead, total			766	0.50	480	0.50
Selenium, total			Not detected	1.00	Not detected	1.00
Silver, total			Not detected	0.50	Not detected	0.50
Mercury	SW846-7471	mg/kG	0.15	0.10	Not detected	0.10
Total Solids	SM 2540B	%	45.5	1.0	59.0	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050427

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradley Managing Director Date: 5/22/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Batch Name: \$BNAW-19847

Associated Samples: AC93903

Client: TRC Environmental

Sheria: The Environmental

Analysis Name: BNA QC-waters/tclps Unit of Measure: ug/L 22-May-06

QA Sample #: AC93903 York's Sample ID: 06050427-04

B			l for a selfere of		Matrix Spike				Spike Duplicate			
7	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD		
1	Pyrene	64	Not detected	Not detected	100	67	67.000	60	60.000	11.024		
Section of the last	1,2,4-Trichlorobenze	48	Not detected	Not detected	100	50	50.000	46	46.000	8.333		
	Phenol	27	Not detected	Not detected	200	57	28.500	51	25.500	11.111		
	Pentachlorophenol	69	Not detected	Not detected	200	144	72.000	129	64.500	10.989		
÷	N-Nitroso-di-n-propyl	54	Not detected	Not detected	100	56	56.000	51	51.000	9.346		
4	Acenapthene	52	Not detected	Not detected	100	55	55.000	49	49.000	11.538		
	4-Chloro-3-methylph	52	Not detected	Not detected	200	107	53.500	101	50.500	5.769		
	2-Chlorophenol	46	Not detected	Not detected	200	94	47.000	89	44.500	5.464		
	2,4-Dinitrotoluene	58	Not detected	Not detected	100	61	61.000	55	55.000	10.345		
_	1,4-Dichlorobenzene	41	Not detected	Not detected	100	42	42.000	39	39.000	7.407		
	4-Nitrophenol	38	Not detected	Not detected	200	80	40.000	72	36.000	10.526		
							3 -					



QA/QC Summary Report

Associated Samples: AC93903

Client: TRC Environmental

Batch Name: \$MTAQ-19848

22-May-06

Analysis Name: Metals, Target Analyte List(TAL) Unit of Measure: ppm

QA Sample #: AC93903 York's Sample ID: 06050427-04

D				Matrix Spike			Spike Duplicate			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected			
Selenium	98.0	Not detected	Not detected	2.00	1.93	96.500	Not detected			
Silver	108	Not detected	Not detected	0.050	0.053	106.000	Not detected			
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected			
Cadmium	98.6	Not detected	Not detected	0.050	0.050	100.000	Not detected			
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected			
Lead	105	0.039	Not detected	0.500	0.547	101.600	0.039		0.000	
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected			
Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Barium	110	0.392	Not detected	2.00	2.57	108.900	0.380		3.109	
Arsenic	98.2	Not detected	Not detected	2.00	1.97	98.500	Not detected			
Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Chromium	102	Not detected	Not detected	0.200	0.205	102.500	Not detected			

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93903

22-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name:	\$M15-19849	QA Sample #:	AC93903
		York's Sample ID:	06050427-04

š. j						Matrix Spike		;	Spike Duplicate	
****	Parameter Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate.	Recovery,%	Precision, RPD
	Antimony	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Arsenic	100	1.36	Not detected	200	190	94.32	1.33		2.23
	Sodium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
í,	Zinc	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
3.7	Aluminum	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Thallium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
15-7	Silver	103	1.80	Not detected	5.0	6.98	103.60	1.80		0.00
	Selenium	98.4	0	Not detected	200	190	95.00	0		
	Selenium Potassium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Nickel	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Manganese	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Magnesium	Not detected	Not detected	Not detected	Not detected N	Not detected	ŷ.	Not detected		
1	Iron	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Copper	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
9.11.24E	Cobalt	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Chromium Calcium	91.2	59.4	Not detected	20.0	78.0	93.000	59.7		0.504
<u>ે</u>	Calcium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Cadmium	98.2	0.45	Not detected	5.0	5.12	93.400	0.44		2.247
	Beryllium	Not detected	Not detected	Not detected	Not detected N	Not detected		Not detected		
	Barium	102	39.0	Not detected	200	241	101.00	39.2		0.51
10	Lead	98.3	71.4	Not detected	50.0	119	95.20	71.8		0.56
	Lead Vanadium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93903

Client: TRC Environmental

Batch Name: \$PESTW-19850

22-May-06

Analysis Name: Pesticide QC only-waters Unit of Measure: ug/L

QA Sample #: AC93903 York's Sample ID: 06050427-04

Parameter	Unspiked				Matrix Spik	ке	Spike Duplicate		
raiametei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	73	Not detected	Not detected	1.00	0.64	64.000	0.76	76.000	17.143
Lindane	81	Not detected	Not detected	1.00	0.72	72.000	0.83	63.000	14.194
Heptachlor	67	Not detected	Not detected	1.00	0.65	65.000	0.74	74.000	12.950
Dieldrin	69	Not detected	Not detected	2.00	1.30	65.000	1.44	72.000	10.219
4,4'-DDT	59	Not detected	Not detected	2.00	0.92	46.000	1.16	58.000	23.077
Endrin	71	Not detected	Not detected	2.00	1.36	66.000	1.51	75.500	10.453

Associated Samples: AC93903

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19851

22-May-06

QA Sample #: AC93903 **York's Sample ID**: 06050427-04

Parameter	Unspiked				Matrix Spil	ke	Spike Duplicate		
T drameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	65.7	Not detected	Not detected	40	31.6	79.0	29.5	73.8	6.9
2,4-D	67.5	Not detected	Not detected	40	34.6	86.5	30.9	77.3	11.3

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC93903

22-May-06

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Batch Name: \$VOAW-19852

QA Sample #: AC93903 York's Sample ID: 06050427-04

Unit of Measure: ug/L

					Matrix Spil	ke		Spike Duplicate	•	
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
1,1-Dichloroethylene	114	Not detected	Not detected	50	61	122.0	61	122.0	0.0	
Benzene	102	Not detected	Not detected	50	54	108.0	53	106.0	1.9	
Chlorobenzene	110	Not detected	Not detected	50	56	112.0	56	112.0	0.0	
Toluene	104	Not detected	Not detected	50	53	106.0	53	106.0	0.0	
Trichloroethylene	104	Not detected	Not detected	50	54	108.0	54	108.0	0.0	
\$										

Associated Samples: AC93903

22-May-06

Client: TRC Environmental

Client: TRC Environmental

Analysis Name: Mercury Unit of Measure: mg/kG

Batch Name: HG8_S-19853

QA Sample #: AC93903

York's Sample ID: 06050427-04

Spike Duplicate Matrix Spike **Parameter** Unspiked

LCS(%) Result Blank Recovery, % Duplicate Recovery,% Precision, RPD **Amount** Result

HG8_S 84.1 0.15 Not detected 1.50 1.46 96.3 Not detected 11.9

Associated Samples: AC93903

22-May-06

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19854

QA Sample #: AC93903

York's Sample ID: 06050427-04

Spike Duplicate Matrix Spike ----Parameter Unspiked LCS(%) Recovery,% Precision, RPD Result Blank Result Recovery, % Duplicate Amount

HGTCLP 0.0027 92.3 91.6 Not detected Not detected 0.0030 Not detected Report Date: 5/25/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050493

> TRC Environmental 21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/12/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-51106		PR-VOC2-51106	
York Sample ID			06050493-01		06050493-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	250	Not detected	5.0
1,2-Dichloroethane			Not detected	250	Not detected	5.0
1,4-Dichlorobenzene			Not detected	250	13	5.0
Benzene			Not detected	250	Not detected	5.0
Carbon tetrachloride			Not detected	250	Not detected	5.0
Chlorobenzene			Not detected	250	Not detected	5.0
Chloroform			Not detected	250	Not detected	5.0
Methyl Ethyl Ketone			6900	250	280	5.0
Tetrachloroethylene			Not detected	250	Not detected	5.0
Trichloroethylene			Not detected	250	Not detected	5.0
Vinyl Chloride			Not detected	250	Not detected	5.0

Client Sample ID			PR-9-51106	
York Sample ID			06050493-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	100
2,4,5-Trichlorophenol			Not detected	100
2,4,6-Trichlorophenol			Not detected	100
2,4-Dinitrotoluene			Not detected	100
Cresol (Total)			Not detected	100
Hexachloro-1,3-butadiene			Not detected	100
Hexachlorobenzene			Not detected	100
Hexachloroethane			Not detected	100
m-Cresol			Not detected	100
Nitrobenzene			Not detected	100
o-Cresol			Not detected	100
p-Cresol			Not detected	100
Pentachlorophenol			Not detected	100
Pyridine			Not detected	100
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			0.014	0.010
TCLP Barium			0.380	0.010
TCLP Cadmium			0.006	0.005
TCLP Chromium			0.042	0.005
TCLP Lead			0.168	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	20.0
Endrin			Not detected	0.480
Heptachlor (and the epoxide)			Not detected	0.480
Lindane			Not detected	0.480
Methoxychlor			Not detected	4.80
Toxaphene			Not detected	20.0
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	25
1,2-Dichloroethane			Not detected	25
1,4-Dichlorobenzene			Not detected	25
Benzene			Not detected	25
Carbon tetrachloride			Not detected	25
Chlorobenzene			Not detected	25
Chloroform			Not detected	25
Methyl Ethyl Ketone			700	25
Tetrachloroethylene			Not detected	25
Trichloroethylene			Not detected	25
Vinyl Chloride			Not detected	25

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Client Sample ID			PR-9-51106	
York Sample ID			06050493-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG	-	
Arsenic, total			1.36	1.00
Barium, total			39.0	0.50
Cadmium, total			Not detected	0.50
Chromium, total			59.4	0.50
Lead, total			71.4	0.50
Selenium, total			Not detected	1.00
Silver, total			1.80	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	46.3	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Date: 5/25/2006

Notes for York Project No. 06050493

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradley

Managing Director

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94081

Client: TRC Environmental

25-May-06

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Batch Name: \$BNAW-19857

QA Sample #: AC94081 York's Sample ID: 06050493-03

						Matrix Spik	(e		Spike Duplicate		
Para	ameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Pyr	ene	74	Not detected	Not detected	100	75	75.000	73	73.000	2.703	
1,2,	4-Trichlorobenzene	48	Not detected	Not detected	100	46	46.000	49	49.000	6.316	
Phe	enol	13	Not detected	Not detected	200	24	12.000	27	13.500	11.765	
Per	tachlorophenol	83	Not detected	Not detected	200	160	80.000	170	85.000	6.061	
	litroso-di-n-Propylamine	64	Not detected	Not detected	100	63	63.000	64	64.000	1.575	
Ace	napthene	68	Not detected	Not detected	100	67	67.000	68	68.000	1.481	
1.574-C	hloro-3-Methyliphenol	64	Not detected	Not detected	200	121	60.500	135	67.500	10.938	
2-C	hlorophenol	46	Not detected	Not detected	200	88	44.000	97	48.500	9.730	
2,4	Dinitrotoluene	57	Not detected	Not detected	100	56	56.000	58	58.000	3.509	
1,4-	Dichlorobenzene	44	Not detected	Not detected	100	43	43.000	44	44.000	2.299	
4-N	itrophenol	21	Not detected	Not detected	200	43	21.500	45	22.500	4.545	



QA/QC Summary Report

Associated Samples: AC94081

Client: TRC Environmental

25-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19858

QA Sample #: AC94081 York's Sample ID: 06050493-03

Matrix Spike	Spike Duplicate

'arameter		Unspiked			Matrix Spike	•		Spike Duplicate	
a. a. i.	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Potassium	Not detected	Not detected	Not detected	I	Not detected		Not detected		
Selenium	98.0	Not detected	Not detected	2.00	1.93	96.500	Not detected		
Silver	108	Not detected	Not detected	0.050	0.053	106.000	Not detected		
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
Cadmium	98.6	Not detected	Not detected	0.050	0.050	100.000	Not detected		
Sodium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
_ead	105	0.039	Not detected	0.500	0.547	101.600	0.039		0.000
ron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Calcium	Not detected	Not detected	Not detected	1	Not detected		Not detected		
3eryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
3arium	110	0.392	Not detected	2.00	2.57	108.900	0.380		3.109
Arsenic	98.2	Not detected	Not detected	2.00	1.97	98.500	Not detected		
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		
Chromium	102	Not detected	Not detected	0.200	0.205	102.500	Not detected		



QA/QC Summary Report

Associated Samples: AC94081

Client: TRC Environmental

25-May-06

Unit of Measure: ppm

Analysis Name: Metals, Target Analyte List(TAL)

QA Sample #: AC94081 York's Sample ID: 06050493-03 Batch Name: \$MTS-19859

	Parameter		Unneikad			Matrix Spike		Spike Duplicate		
<i>8</i> -7		LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Arsenic	100	1.36	Not detected	200	190	94.32	1.33		2.23
	Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
10.73	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
€:}	Silver	103	1.80	Not detected	5.0	6.98	103.60	1.80		0.00
	Selenium Potassium	98.4	0	Not detected	200	190	95.00	Not detected		Not detected
, , ,	Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Manganese Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected	ž -	Not detected		Not detected
200	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
EJ	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
13	Chromium	91.2	59.4	Not detected	20.0	78.0	93.000	59.7		0.504
	Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Cadmium	98.2	0.45	Not detected	5.0	5.12	93.400	0.44		2.247
	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
	Barium	102	39.0	Not detected	200	241	101.00	39.2		0.51
€e [™] 5	Lead	98.3	71.4	Not detected	50.0	119	95.20	71.8		0.56
	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
F										



QA/QC Summary Report

Associated Samples: AC94081

Analysis Name: Pesticide QC only-waters

Client: TRC Environmental

Batch Name: \$PESTW-19860

25-May-06

QA Sample #: AC94081

York's Sample ID: 06050493-03

					Matrix Spil	(e	Spike Duplicate		
'arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	0.85	Not detected	Not detected	1.00	0.86	86.000	0.87	87.000	1.156
Lindane	0.96	Not detected	Not detected	1.00	0.96	96.000	0.95	95.000	1.047
Heptachlor	0.85	Not detected	Not detected	1.00	0.91	91.000	0.92	92.000	1.093
Dieldrin	1.76	Not detected	Not detected	2.00	1.74	87.000	1.76	88.000	1.143
4,4'-DDT	1.58	Not detected	Not detected	2.00	1.49	74.500	1.50	75.000	0.669
Endrin	1.85	Not detected	Not detected	2.00	1.90	95.000	1.90	95.000	0.000

Associated Samples: AC94081

Client: TRC Environmental

Unit of Measure: ug/L

Unit of Measure: ug/L

Analysis Name: TCLP Herbicides

Batch Name: \$TCLPHRB-19861

QA Sample #: AC94081

25-May-06

York's Sample ID: 06050493-03

					Matrix Spil	ke	Spike Duplicate		
arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	66.9	Not detected	Not detected	40	27.5	68.8	26.5	66.3	3.7
2,4-D	61.6	Not detected	Not detected	40	29.5	73.8	31.3	78.3	5.9

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94081

Client: TRC Environmental

Analysis Name: VOA QC WATERS Unit of Measure: ug/L

QA Sample #: AC94081 York's Sample ID: 06050493-03

25-May-06

_					Matrix Spil	ke		Spike Duplicate	ı
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	108	Not detected	Not detected	50	43	86.0	44	88.0	2.3
Benzene	100	Not detected	Not detected	50	46	92.0	46	92.0	0.0
Chlorobenzene	98	Not detected	Not detected	50	45	90.0	46	92.0	2.2
Toluene	98	Not detected	Not detected	50	45	90.0	45	90.0	0.0
Trichloroethylene	96	Not detected	Not detected	50	44	88.0	45	90.0	2.2

Associated Samples: AC94081

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19863

Batch Name: \$VOAW-19862

QA Sample #: AC94081

York's Sample ID: 06050493-03

25-May-06

25-May-06

Parameter		Unspiked			Matrix Spil	ke _{* -}	Spike Duplicate		
, arameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HG8_S	79.5	Not detected	Not detected	1.50	1.24	80.8	Not detected		13.8

Associated Samples: AC94081

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

THO Environmenta

Batch Name: HGTCLP-19864

QA Sample #: AC94081 York's Sample ID: 06050493-03

Parameter		Unspiked			Matrix Spil	(e	Spike Duplicate		
i diamoto.	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HGTCLP	91.6	Not detected	Not detected	0.0030	0.0027	92.3	Not detected		0

Report Date: 5/25/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050535

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/15/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-051206		PR-VOC2-051206	
York Sample ID			06050535-01		06050535-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	130	Not detected	5.0
1,2-Dichloroethane			Not detected	130	Not detected	5.0
1,4-Dichlorobenzene			Not detected	130	7	5.0
Benzene	_		Not detected	130	Not detected	5.0
Carbon tetrachloride	_		Not detected	130	Not detected	5.0
Chlorobenzene			Not detected	130	Not detected	5.0
Chloroform			Not detected	130	Not detected	5.0
Methyl Ethyl Ketone			3900	130	430	5.0
Tetrachloroethylene			Not detected	130	Not detected	5.0
Trichloroethylene			Not detected	130	Not detected	5.0
Vinyl Chloride			Not detected	130	Not detected	5.0

Client Sample ID			PR-10-051206	
York Sample ID			06050535-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L	,	
1,4-Dichlorobenzene			Not detected	5.0
2,4,5-Trichlorophenol			Not detected	5.0
2,4,6-Trichlorophenol			Not detected	5.0 -
2,4-Dinitrotoluene			Not detected	5.0
Cresol (Total)			Not detected	5.0
Hexachloro-1,3-butadiene			Not detected	5.0
Hexachlorobenzene			Not detected	5.0
Hexachloroethane			Not detected	5.0
m-Cresol			Not detected	5.0
Nitrobenzene			Not detected	5.0
o-Cresol			Not detected	5.0
p-Cresol			Not detected	5.0
Pentachlorophenol			Not detected	5.0
Pyridine			Not detected	5.0
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic	_		0.025	0.010
TCLP Barium			0.381	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.054	0.005
TCLP Lead			0.176	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	2.67
Endrin			Not detected	0.064
Heptachlor (and the epoxide)			Not detected	0.064
Lindane			Not detected	0.064
Methoxychlor			Not detected	0.640
Toxaphene			Not detected	2.67
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	25
1,2-Dichloroethane			Not detected	25
1,4-Dichlorobenzene			Not detected	25
Benzene			Not detected	25
Carbon tetrachloride			Not detected	25
Chlorobenzene			Not detected	25
Chloroform			Not detected	25
Methyl Ethyl Ketone			_ 770	25
Tetrachloroethylene			Not detected	25
Trichloroethylene			Not detected	25
Vinyl Chloride			Not detected	25
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			1.43	1.00
Barium, total			68.9	0.50
Cadmium, total			Not detected	0.50

Client Sample ID			PR-10-051206	
York Sample ID			06050535-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Chromium, total			8.44	0.50
Lead, total			755	0.50
Selenium, total			Not detected	1.00
Silver, total			1.37	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	49.6	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050535

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.

7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradley Managing Director Date: 5/25/2006

Analytical Laboratories, Inc.

QA/QC Summary Report

Batch Name: \$BNAW-19914

Associated Samples: AC94206

Analysis Name: BNA QC-waters/tclps

Client: TRC Environmental

Unit of Measure: ug/L

QA Sample #: AC94206 York's Sample ID: 06050535-03

25-May-06

. Boromotor					Matrix Spil	ке	Spike Duplicate			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Pyrene	87	Not detected	Not detected	100	85	85.000	88	88.000	3.468	
1,2,4-Trichlorobenze	50	Not detected	Not detected	100	49	49.000	51	51.000	4.000	
Phenol	38	Not detected	Not detected	200	71	35.500	78	39.000	9.396	
Pentachlorophenol	78	Not detected	Not detected	200	142	71.000	168	84.000	16.774	
N-Nitroso-di-n-propyl	66	Not detected	Not detected	100	65	65.000	67	67.000	3.030	
Acenapthene	72	Not detected	Not detected	100	71	71.000	73	73.000	2.778	
4-Chloro-3-methylph	75	Not detected	Not detected	200	140	70.000	161	80.500	13.953	
2-Chlorophenol	62	Not detected	Not detected	200	116	58.000	131	65.500	12.146	
2,4-Dinitrotoluene	64	Not detected	Not detected	100	60	60.000	67	67.000	11.024	
1,4-Dichlorobenzene	46	Not detected	Not detected	100	46	46.000	45	45.000	2.198	
4-Nitrophenol	51	Not detected	Not detected	200	94	47.000	111	55.500	16.585	



QA/QC Summary Report

Associated Samples: AC94206

Client: TRC Environmental

Batch Name: \$MTAQ-19915

25-May-06

Analysis Name: Metals, Target Analyte List(TAL)
Unit of Measure: ppm

QA Sample #: AC94206 York's Sample ID: 06050535-03

Matrix Spike Spike Duplicate			l languilliant		Parameter
Blank Amount Result Recovery, % Duplicate Recovery, % Precision, RPD		Blank	Unspiked Result	LCS(%)	r ai ainietei
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Vanadium
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Manganese
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Nickel
Not detected Not detected Not detected	d	Not detecté	Not detected	Not detected	Potassium
Not detected 2.00 2.17 108.500 Not detected	d	Not detecte	Not detected	97.4	Selenium
Not detected 0.050 0.045 90.000 Not detected	d	Not detecte	Not detected	106	Silver
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Zinc
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Thallium
Not detected Not detected Not detected	d	Not detecte	Not detected	Not detected	Magnesium
Not detected 0.050 0.051 92.000 0.005 0.000	d	Not detecte	0.005	97.9	Cadmium
Not detected Not detected Not detected	d	Not detecte	Not detected	Not detected	Sodium
Not detected 0.500 0.634 91.600 0.175 0.570	d	Not detecte	0.176	105	Lead
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Iron
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Copper
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Cobalt
Not detected Not detected Not detected	d	Not detecte	Not detected	Not detected	Calcium
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected-	Beryllium
Not detected 2.00 2.33 97.450 0.383 0,524	d	Not detecte	0.381	109	Barium
Not detected 2.00 2.18 107.750 0.022 12.766	d	Not detecte	0.025	101	Arsenic
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Antimony
Not detected Not detected Not detected Not detected	d No	Not detecte	Not detected	Not detected	Aluminum
Not detected 0.200 0.248 97.000 0.054 0.000	d	Not detecte	0.054	101	Chromium
Not detected	d No	Not detecte	Not detected Not detected 0.005 Not detected 0.176 Not detected	Not detected Not detected 97.9 Not detected 105 Not detected Not detected Not detected Not detected Not detected 109 101 Not detected Not detected	Zinc Thallium Magnesium Cadmium Sodium Lead Iron Copper Cobalt Calcium Beryllium Barium Arsenic Antimony Aluminum

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94206

Client: TRC Environmental

25-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19916

QA Sample #: AC94206

York's Sample ID: 06050535-03

£ 3	Damana - 40 -				Matrix Spike			5	Spike Duplicate		
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
	Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
party was	Arsenic	100	1.36	Not detected	200	190	94.32	1.33		2.23	
	Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
<u>, 1</u>	Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
53	Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Silver	103	1.80	Not detected	5.0	6.98	103.60	1.80		0.00	
	Selenium	98.4	0	Not detected	200	190	95.00	Not detected		Not detected	
	Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Manganese	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected	У	Not detected		Not detected	
F	Iron	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Chromium	91.2	59.4	Not detected	20.0	78.0	93.000	59.7		0.504	
	Calcium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
Eva	Cadmium	98.2	0.45	Not detected	5.0	5.12	93.400	0.44		2.247	
Service .	Beryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	
	Barium	102	39.0	Not detected	200	241	101.00	39.2		0.51	
	Lead	98.3	71.4	Not detected	50.0	119	95.20	71.8		0.56	
	Lead Vanadium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected	

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94206

Client: TRC Environmental

25-May-06

Analysis Name: Pesticide QC only-waters

Analysis Name: Pesticide QC only-waters
Unit of Measure: ug/L

QA Sample #: AC94206 **York's Sample ID:** 06050535-03

	Handland				Matrix Spil	Spike Duplicate			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Aldrin	91.9	Not detected	Not detected	1.00	0.86	86.000	0.87	87.000	1.156
Lindane	99.0	Not detected	Not detected	1.00	0.96	96.000	0.95	95.000	1.047
Heptachlor	95.0	Not detected	Not detected	1.00	0.91	91.000	0.92	92.000	1.093
Dieldrin	87.5	Not detected	Not detected	2.00	1.74	87.000	1.76	88,000	1.143
4,4'-DDT	80.0	Not detected	Not detected	2.00	1.49	74.500	1.50	75.000	0.669
Endrin	94.0	Not detected	Not detected	2.00	1.00	95 000	1 90	95 000	0.000

Associated Samples: AC94206

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19918

Batch Name: \$PESTW-19917

QA Sample #: AC94206

York's Sample ID: 06050535-03

25-May-06

					Matrix Spil	ke	Spike Duplicate		
'arameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	71.6	Not detected	Not detected	40	26.5	66.3	28.7	71.8	8.0
2,4-D	67.5	Not detected	Not detected	40	31.6	79.0	29.8	74.5	5.9

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94206

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Batch Name: \$VOAW-19919

25-May-06

QA Sample #: AC94206 York's Sample ID: 06050535-03

			Matrix Spik	e	Spike Duplicate				
Parameter Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	112	Not detected	Not detected	50	58	116.0	57	114.0	1.7
Benzene	92	Not detected	Not detected	50	50	100.0	49	98.0	2.0
Chlorobenzene	88	Not detected	Not detected	50	51	102.0	50	100.0	2.0
Toluene	86	Not detected	Not detected	50	50	100.0	48	96.0	4.1
Trichioroethylene	88	Not detected	Not detected	50	50	100.0	48	96.0	4.1
	Benzene Chlorobenzene Toluene	LCS(%) 1,1-Dichloroethylene 112 Benzene 92 Chlorobenzene 88 Toluene 86	LCS(%) Result 1,1-Dichloroethylene 112 Not detected Benzene 92 Not detected Chlorobenzene 88 Not detected Toluene 86 Not detected	LCS(%) Result Blank 1,1-Dichloroethylene 112 Not detected Not detected Benzene 92 Not detected Not detected Chlorobenzene 88 Not detected Not detected Toluene 86 Not detected Not detected	LCS(%) Result Blank Amount 1,1-Dichloroethylene 112 Not detected Not detected 50 Benzene 92 Not detected Not detected 50 Chlorobenzene 88 Not detected Not detected 50 Toluene 86 Not detected Not detected 50	ParameterLCS(%)Unspiked ResultBlankAmountResult1,1-Dichloroethylene112Not detectedNot detected5058Benzene92Not detectedNot detected5050Chlorobenzene88Not detectedNot detected5051Toluene86Not detectedNot detected5050	LCS(%)ResultBlankAmountResultRecovery, %1,1-Dichloroethylene112Not detectedNot detected5058116.0Benzene92Not detectedNot detected5050100.0Chlorobenzene88Not detectedNot detected5051102.0Toluene86Not detectedNot detected5050100.0	ParameterUnsplked ResultBlankAmountResultRecovery, %Duplicate1,1-Dichloroethylene112Not detectedNot detected5058116.057Benzene92Not detectedNot detected5050100.049Chlorobenzene88Not detectedNot detected5051102.050Toluene86Not detectedNot detected5050100.048	Parameter LCS(%) Unspiked Result Blank Amount Result Recovery,% Duplicate Recovery,% 1,1-Dichloroethylene 112 Not detected Not detected 50 58 116.0 57 114.0 Benzene 92 Not detected Not detected 50 50 100.0 49 98.0 Chlorobenzene 88 Not detected Not detected 50 51 102.0 50 100.0 Toluene 86 Not detected Not detected 50 50 100.0 48 96.0

Associated Samples: AC94206

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19920

QA Sample #: AC94206

York's Sample ID: 06050535-03

25-May-06

25-May-06

Parameter			Matrix Spil	ke 🚜 -	Spike Duplicate				
r ai ailletei	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
HG8_S	76.9	Not detected	Not detected	1.50	1.35	88.3	Not detected		11.3

Associated Samples: AC94206

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19921

QA Sample #: AC94206

York's Sample ID: 06050535-03

Parameter Matrix Spike Spike Duplicate Unspiked LCS(%) Result Blank Result Recovery, % Duplicate Recovery,% Precision, RPD **Amount HGTCLP** Not detected 0.0030 0.0027 91.0 Not detected 96.5 Not detected

Report Date: 5/30/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050568

TRC Environmental 21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/16/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			FB051506	
York Sample ID			06050568-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene			Not detected	5.6
2,4,5-Trichlorophenol			Not detected	5.6
2,4,6-Trichlorophenol			Not detected	5.6
2,4-Dinitrotoluene			Not detected	5.6
Cresol (Total)			Not detected	5.6
Hexachloro-1,3-butadiene			Not detected .	5.6
Hexachlorobenzene			Not detected	5.6
Hexachloroethane			Not detected	5.6
m-Cresol			Not detected	5.6
Nitrobenzene			Not detected	5.6
o-Cresol			Not detected	5.6
p-Cresol			Not detected	5.6
Pentachlorophenol			Not detected	5.6
Pyridine			Not detected	5.6
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0

Client Sample ID			FB051506	
York Sample ID			06050568-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
2,4-D			Not detected	25.0
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	1.00
Endrin			Not detected	0.024
Heptachlor (and the epoxide)			Not detected	0.024
Lindane			Not detected	0.024
Methoxychlor			Not detected	0.24
Toxaphene			Not detected	1.00
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0
Total RCRA Metals	SW846-6010B	mg/L		
Arsenic, total			Not detected	0.004
Barium, total			Not detected	0.005
Cadmium, total			Not detected	0.005
Chromium, total			Not detected	0.005
Lead, total			Not detected	0.003
Selenium, total			Not detected	0.005
Silver, total			Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002

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Client Sample ID			PR-VOC1-051506		PR-VOC2-051506	
York Sample ID			06050568-02		06050568-03	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	9	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			89	5.0	260	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-11-051506	
York Sample ID			06050568-04	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene		U	Not detected	14
2,4,5-Trichlorophenol			Not detected	14
2,4,6-Trichlorophenol			Not detected	14
2,4-Dinitrotoluene			Not detected	14
Cresol (Total)			Not detected	14
Hexachloro-1,3-butadiene			Not detected	14
Hexachlorobenzene			Not detected	14
Hexachloroethane			Not detected	14
m-Cresol			Not detected	14
Nitrobenzene			Not detected	14
o-Cresol			Not detected	14
p-Cresol			Not detected	14
Pentachlorophenol			Not detected	14
Pyridine			Not detected	14
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)			Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic			0.021	0.010
TCLP Barium			0.344	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.023	0.005
TCLP Lead			0.134	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	4.00
Endrin			Not detected	0.096
Heptachlor (and the epoxide)			Not detected	0.096
Lindane			Not detected	0.096
Methoxychlor			Not detected	0.960
Toxaphene			Not detected	4.00
TCLP Volatiles	SW846-1311/8260	ug/L_		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			12	5.0
Benzene			Not detected	5.0 <
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			130	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

Client Sample ID			PR-11-051506	
York Sample ID			06050568-04	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG	No. 40-40	
Arsenic, total			1.14	1.00
Barium, total			39.0	0.50
Cadmium, total			Not detected	0.50
Chromium, total			24.1	0.50
Lead, total			40.9	0.50
Selenium, total			Not detected	1.00
Silver, total			0.75	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	47.2	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050568

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Bradley

Date: 5/30/2006



QA/QC Summary Report

Associated Samples: AC94309

30-May-06

Client: TRC Environmental

Analysis Name: BNA QC-waters/tclps

Batch Name: \$BNAW-19922

QA Sample #: AC94309

Unit of Measure: ug/L

York's Sample ID: 06050568-04

Parameter	Unspiked		Matrix Spike				Spike Duplicate			
ratameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Pyrene	87	Not detected	Not detected	100	85	85.000	88	88.000	3.468	
1,2,4-Trichlorobenzene	50	Not detected	Not detected	100	49	49.000	51	51.000	4.000	
Phenol	38	Not detected	Not detected	200 .	71	35.500	78	39.000	9.396	
Pentachlorophenol	78	Not detected	Not detected	200	142	71.000	168	84.000	16.774	
N-Nitroso-di-n-Propylamine	66	Not detected	Not detected	100	65	65.000	67	67.000	3.030	
Acenapthene	72	Not detected	Not detected	100	71	71.000	73	73.000	2.778	
4-Chloro-3-Methyliphenol	75	Not detected	Not detected	200	140	70.000	161	80.500	13.953	
2-Chlorophenol	62	Not detected	Not detected	200	116	58.000	131	65.500	12.146	
2,4-Dinitrotoluene	64	Not detected	Not detected	100	60	60.000	67	67.000	11.024	
1,4-Dichlorobenzene	46	Not detected	Not detected	100	46	46.000	45	45.000	2.198	
4-Nitrophenol	51	Not detected	Not detected	200	94	47.000	111	55.500	16.585	



QA/QC Summary Report

Associated Samples: AC94309

30-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Batch Name: \$MTAQ-19923

QA Sample #: AC94309 York's Sample ID: 06050568-04

Unit of Measure: ppm York's Sample ID: 0

						Matrix Spike	•	:	Spike Duplicate		
Э	Paramete r	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
4	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
Buch	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Potassium	Not detected	Not detected	Not detected		Not detected		Not detected			
-6)	Selenium	97.4	Not detected	Not detected	2.00	2.17	108.500	Not detected			
Ş	Silver	106	Not detected	Not detected	0.050	0.045	90.000	Not detected			
	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
1	Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected			
	Chromium	101	0.054	Not detected	0.200	0.248	97.000	0.054		0.000	
	Sodium	Not detected	Not detected	Not detected		Not detected		Not detected			
1	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected	¥ .	Not detected			
33	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
ાર્ક	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Barium	109	0.381	Not detected	2.00	2.33	97.450	0.383		0.524	
	Lead	105	0.176	Not detected	0.500	0.634	91.600	0.175		0.570	
	Cadmium	97.9	0.005	Not detected	0.050	0.051	92.000	0.005		0.000	
	Calcium	Not detected	Not detected	Not detected		Not detected		Not detected			
	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected			
9	Arsenic	101	0.025	Not detected	2.00	2.18	107.750	0.022		12.766	



QA/QC Summary Report

Associated Samples: AC94309

30-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19924

QA Sample #: AC94309

York's Sample ID: 06050568-04

Parameter Parameter		Hannilon d			Matrix Spike	•		Spike Duplicate	
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Cadmium	97.9	0	Not detected	5.0	4.98	99.600	Not detected		Not detected
Beryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Arsenic	96.8	1.14	Not detected	200	187	92.93	1.14		0.00
Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Barium	102	39.0	Not detected	200	247	104.00	38.8		0.51
Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Vanadium	Not detected	Not detected	Not detected	Not detected !	Not detected		Not detected		Not detected
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Selenium	97.7	0	Not detected	200	193	96.50	Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Lead	97.5	40.9	Not detected	50.0	89.5	97.20	41.0		0.24
Iron .	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Chromium	95.2	24.1	Not detected	20.0	43.7	98.000	23.9		0.833
Calcium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Silver	101	0.75	Not detected	5.0	6.16	108.20	0.78		3.92



QA/QC Summary Report

Associated Samples: AC94309

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters

Unit of Measure: ug/L

30-May-06

QA Sample #: AC94309 York's Sample ID: 06050568-04

tal		11			Matrix Spil	ke	Spike Duplicate			
Parameter ী	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Aldrin	87	Not detected	Not detected	1.00	0.89	89.000	0.85	85.000	4.598	
2										
Lindane	97	Not detected	Not detected	1.00	1.00	100.000	0.94	94.000	6.186	
Heptachlor	84	Not detected	Not detected	1.00	0.86	86.000	0.81	81.000	5.988	
∃Dieldrin	88	Not detected	Not detected	2.00	1.79	89.500	1.76	88.000	1.690	
4,4'-DDT	84	Not detected	Not detected	2.00	1.68	84.000	1.67	83.500	0.597	
Endrin	94	Not detected	Not detected	2.00	1.89	94.500	1.88	94.000	0.531	

Associated Samples: AC94309

Client: TRC Environmental

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19926

Batch Name: \$PESTW-19925

30-May-06

QA Sample #: AC94309 York's Sample ID: 06050568-04

Parameter		Unspiked			Matrix Spil	ke	Spike Duplicate		
	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	71.9	Not detected	Not detected	40	27.8	69.5	29.8	74.5	6.9
2,4-D	67.9	Not detected	Not detected	40	30.2	75.5	32.5	81.3	7.3

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94309

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Client: TRC Environmental

Batch Name: \$VOAW-19927

30-May-06

York's Sample ID: 06050568-04

QA Sample #: AC94309

Parameter	Unspiked				Matrix Spil	Spike Duplicate			
raiametei	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	96	Not detected	Not detected	50	58	116.0	62	124.0	6.7
Benzene	86	Not detected	Not detected	50	48	96.0	47	94.0	2.1
Chlorobenzene	92	Not detected	Not detected	50	50	100.0	49	98.0	2.0
Toluene	88	Not detected	Not detected	50	49	98.0	48	96.0	2.1
Trichloroethylene	84	Not detected	Not detected	50	48	96.0	48	96.0	0.0

Associated Samples: AC94309

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

HG8 S

Batch Name: HG8_S-19928

30-May-06

30-May-06

O

QA Sample #: AC94309 York's Sample ID: 06050568-04

Matrix Spike Spike Duplicate **Parameter**

Not detected

Unspiked LCS(%) Result Blank Recovery,% Precision, RPD Amount Result Recovery, % Duplicate

1.50

Associated Samples: AC94309

76.9

Client: TRC Environmental

Not detected

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19929

1.35

90.5

Not detected

QA Sample #: AC94309

York's Sample ID: 06050568-04

Matrix Spike

Spike Duplicate Parameter Unspiked

LCS(%) Result Blank Amount Result Recovery, % Duplicate Recovery,% Precision, RPD

HGTCLP 96.5 Not detected Not detected 0.0030 0.0027 91.0 Not detected Report Date: 5/30/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050583

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/17/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-051606		PR-VOC2-051606	
York Sample ID			06050583-01		06050583-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
Benzene			14	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			7	5.0	Not detected	5.0
Methyl Ethyl Ketone			320	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	6	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID	-		PR-VOC4-051606		PR-12-051606	
York Sample ID			06050583-03		06050583-04	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		~		
1,4-Dichlorobenzene					Not detected	17
2,4,5-Trichlorophenol				_	Not detected	17
2,4,6-Trichlorophenol					Not detected	17
2,4-Dinitrotoluene		_			Not detected	17
Cresol (Total)					Not detected	17
Hexachloro-1,3-butadiene					Not detected	17
Hexachlorobenzene					Not detected	17
Hexachloroethane					Not detected	17
m-Cresol			_		Not detected	17
Nitrobenzene					Not detected	17
o-Cresol			-		Not detected	17
p-Cresol					Not detected	17
Pentachlorophenol					Not detected	17
Pyridine				_	Not detected	17
TCLP Herbicides	SW-846/8151	ug/L				
2,4,5-TP (Silvex)					Not detected	25.0
2,4-D					Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L				
TCLP Arsenic					0.195	0.010
TCLP Barium					0.273	0.010
TCLP Cadmium	-				Not detected	0.005
TCLP Chromium					0.016	0.005
TCLP Lead					0.094	0.005
TCLP Selenium					Not detected	0.010
TCLP Silver			*,		Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L			Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L				
Chlordane					Not detected	4.00
Endrin					Not detected	0.096
Heptachlor (and the epoxide)					Not detected	0.096
Lindane					Not detected	0.096
Methoxychlor					Not detected	0.960
Toxaphene			_		Not detected	4.00
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	20	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			340	5.0	7	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0
Total RCRA Metals	SW846	mg/kG				
Arsenic, total					4.38	1.00
Barium, total					82.3	0.50
Cadmium, total					Not detected	0.50
Chromium, total					13.2	0.50



Client Sample ID			PR-VOC4-051606		PR-12-051606	
York Sample ID			06050583-03		06050583-04	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead, total					95.3	0.50
Selenium, total					1.32	1.00
Silver, total					Not detected	0.50
Mercury	SW846-7471	mg/kG			Not detected	0.10
Total Solids	SM 2540B	%			52.2	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Date: 5/30/2006

Notes for York Project No. 06050583

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or nontarget analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
- Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- All samples were received in proper condition for analysis with proper documentation.
- All analyses conducted met method or Laboratory SOP requirements.

It is noted that no analyses reported herein were subcontracted to another laboratory.

Robert Q. Bradle

Managing Director

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94348

Client: TRC Environmental

30-May-06

Analysis Name: BNA QC-waters/tclps
Unit of Measure: ug/L

Batch Name: \$BNAW-19938

QA Sample #: AC94348 York's Sample ID: 06050583-04

Parameter		Unspiked			Matrix Spil	pike Spike Dupli			cate	
ratameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD	
Pyrene	87	Not detected	Not detected	100	85	85.000	88	88.000	3.468	
1,2,4-Trichlorobenze	50	Not detected	Not detected	100	49	49.000	51	51.000	4.000	
Phenol	38	Not detected	Not detected	200	71	35.500	78	39.000	9.396	
Pentachlorophenol	78	Not detected	Not detected	200	142	71.000	168	84.000	16.774	
N-Nitroso-di-n-propyl	66	Not detected	Not detected	100	65	65.000	67	67.000	3.030	
Acenapthene	72	Not detected	Not detected	100	71	71.000	73	73.000	2.778	
4-Chloro-3-methylph	7 5	Not detected	Not detected	200	140	70.000	161	80.500	13.953	
2-Chlorophenol	62	Not detected	Not detected	200	116	58.000	131	65.500	12.146	
2,4-Dinitrotoluene	64	Not detected	Not detected	100	60	60.000	67	67.000	11.024	
1,4-Dichlorobenzene	46	Not detected	Not detected	100	46	46,000	45	45.000	2.198	
4-Nitrophenol	51	Not detected	Not detected	200	94	47.000	111	55.500	16.585	

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94348

Client: TRC Environmental

30-May-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19939

QA Sample #: AC94348 York's Sample ID: 06050583-04

						Matrix Spike			Spike Duplicate	
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
- 1	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
ان ان رق	Selenium	97.4	Not detected	Not detected	2.00	2.17	108.500	Not detected		
	Silver	106	Not detected	Not detected	0.050	0.045	90.000	Not detected		
. ~	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Cadmium	97.9	0.005	Not detected	0.050	0.051	92.000	0.005		0.000
	Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Lead	105	0.176	Not detected	0.500	0.634	91.600	0.175		0.570
ene.	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		•
} } }	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
ra	Barium	109	0.381	Not detected	2.00	2.33	97.450	0.383		0.524
	Arsenic	101	0.025	Not detected	2.00	2.18	107.750	0.022		12.766
M	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
2 A 50 A	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Chromium	101	0.054	Not detected	0.200	0.248	97.000	0.054		0.000



QA/QC Summary Report

Associated Samples: AC94348

30-May-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19940

QA Sample #: AC94348 York's Sample ID: 06050583-04

Parameter					Matrix Spike	•		Spike Duplicate	
rarameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Antimony	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Arsenic	97.1	4.38	Not detected	200	197	96.31	4.54		3.59
Sodium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Zinc	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Silver	105	0	Not detected	5.0	5.37	107.40	Not detected		Not detected
Selenium	96.1	1.32	Not detected	200	189	93.84	1.22		7.87
Potassium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected f	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected 1	Not detected	F -	Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Iron	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Chromium	95.4	13.2	Not detected	20.0	33.0	99.000	13.3		0.755
Calcium	Not detected	Not detected	Not detected	Not detected 1	Not detected		Not detected		Not detected
Cadmium	97.1	0.48	Not detected	5.0	5.20	94.400	0.47		2.105
Beryllium	Not detected	Not detected	Not detected	Not detected !	Not detected		Not detected		Not detected
Barium	102	82.3	Not detected	200	290	103.85	82.7		0.48
Lead	98.3	95.3	Not detected	50.0	145	99.40	95.6		0.31
Vanadium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94348

Analysis Name: Pesticide QC only-waters

Unit of Measure: ug/L.

Unit of Measure: ug/L.

Client: TRC Environmental

Batch Name: \$PESTW-19941

30-May-06

QA Sample #: AC94348 York's Sample ID: 06050583-04

	•					Matrix Spik	ке		Spike Duplicate	
3	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Aldrin	87	Not detected	Not detected	1.00	0.89	89.000	0.85	85.000	4.598
-	Lindane	97	Not detected	Not detected	1.00	1.00	100.000	0.94	94.000	6.186
٠.,	Heptachlor	84	Not detected	Not detected	1.00	0.86	86.000	0.81	81.000	5.988
	Dieldrin	88	Not detected	Not detected	2.00	1.79	89.500	1.76	88.000	1.690
	4,4'-DDT	84	Not detected	Not detected	2.00	1,68	84.000	1.67	83.500	0.597
-	Endrin	94	Not detected	Not detected	2.00	1.89	94.500	1.88	94.000	0.531

Associated Samples: AC94348

Client: TRC Environmental

Analysis Name: TCLP Herbicides Batch Name: \$TCLPHRB-19942

QA Sample #: AC94348

30-May-06

York's Sample ID: 06050583-04

≅ Parameter		Unspiked			Matrix Spil	ке	Spike Duplicate		
arameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	61.9	Not detected	Not detected	40	27.4	68.5	25.1	62.8	8.8
2,4-D	71.5	Not detected	Not detected	40	30.6	76.5	26.5	66.3	14.4

QA/QC Summary Report

Associated Samples: AC94348

Client: TRC Environmental

Unit of Measure: ug/L

Analysis Name: VOA QC WATERS

Batch Name: \$VOAW-19943

QA Sample #: AC94348

30-May-06

York's Sample ID: 06050583-04

Parameter		11			Matrix Spil	(e		Spike Duplicate	
rarameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	112	Not detected	Not detected	50	57	114.0	57	114.0	0.0
Benzene	92	Not detected	Not detected	50	48	96.0	50	100.0	4.1
Chlorobenzene	100	Not detected	Not detected	50	51	102.0	53	106.0	3.8
Toluene	96	Not detected	Not detected	50	49	98.0	50	100.0	2.0
Trichloroethylene	100	Not detected	Not detected	50	50	100.0	52	104.0	3.9

Associated Samples: AC94348

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19944

QA Sample #: AC94348

30-May-06

30-May-06

York's Sample ID: 06050583-04

Matrix Spike* Spike Duplicate Parameter Unspiked LCS(%) Result Blank Amount Result Recovery, % Duplicate Recovery,% Precision, RPD HG8_S 76.9 Not detected Not detected 1.50 88.3 11.3 1.35 Not detected

Associated Samples: AC94348

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Batch Name: HGTCLP-19945

QA Sample #: AC94348

York's Sample ID: 06050583-04

Matrix Spike Spike Duplicate ³arameter Unspiked

LCS(%) Result Blank Recovery,% Precision, RPD Amount Result Recovery, % **Duplicate HGTCLP** 0.0030 96.5 Not detected Not detected 0.0027 n 91.0 Not detected

Report Date: 6/1/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050639

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

Contraction of the Contraction o

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/18/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-051706		PR-VOC2-051706	
York Sample ID			06050639-01		06050639-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			7	5.0	21	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			120	5.0	270	5.0
Tetrachloroethylene			12	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			PR-13-051706	
York Sample ID			06050639-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene	5410101311102700		Not detected	5.0
2,4,5-Trichlorophenol			Not detected	5.0
2,4,6-Trichlorophenol			Not detected	5.0
2,4-Dinitrotoluene			Not detected	5.0
Cresol (Total)			Not detected	5.0
Hexachloro-1,3-butadiene			Not detected	5.0
Hexachlorobenzene			Not detected	5.0
Hexachloroethane			Not detected	5.0
m-Cresol			Not detected	5.0
Nitrobenzene			Not detected	5.0
o-Cresol			Not detected	5.0
p-Cresol			Not detected	5.0
Pentachlorophenol			Not detected Not detected	5.0
Pyridine			Not detected	5.0
TCLP Herbicides	SW-846/8151	no/I	Not detected	3.0
2,4,5-TP (Silvex)	3W-840/8131	ug/L_	Not detected	25.0
				25.0
2,4-D TCLP RCRA Metals	CVV946 1211/6010	/T	Not detected	
	SW846-1311/6010	mg/L	Not detected	0.010
TCLP Arsenic			Not detected	0.010
TCLP Barium			0.438	0.010
TCLP Cadmium			Not detected	0.005
TCLP Chromium			0.038	0.005
TCLP Lead			0.292	0.005
TCLP Selenium			Not detected	0.010
TCLP Silver	OVV046 1211/7450	/٢	Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	Not detected	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		5.00
Chlordane			Not detected	5.00
Endrin			Not detected	0.120
Heptachlor (and the epoxide)		,	Not detected	0.120
Lindane			Not detected	0.120
Methoxychlor			Not detected	1.20
Toxaphene	GYV046 1211/0260	/*	Not detected	5.00
TCLP Volatiles	SW846-1311/8260	ug/L	Not less 1	
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			14	5.0
Benzene		<u> </u>	Not detected	5.0
Carbon tetrachloride			Not detected	5.Q
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			520	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

Client Sample ID			PR-13-051706	
York Sample ID			06050639-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			Not detected	1.00
Barium, total			36.5	0.50
Cadmium, total	-		Not detected	0.50
Chromium, total			11.6	0.50
Lead, total			69.4	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	41.0	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Notes for York Project No. 06050639

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By

Robert Q. Brade

Managing Director

Date: 6/1/2006

QA/QC Summary Report

Associated Samples: AC94571

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Client: TRC Environmental

Batch Name: \$BNAW-19957

01-Jun-06

Davamata.		11			Matrix Spik	(e		Spike Duplicate	
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	65	Not detected	Not detected	100	67	67.000	62	62.000	7.752
1,2,4-Trichlorobenzene	47	Not detected	Not detected	100	50	50.000	44	44.000	12.766
Phenol	24	Not detected	Not detected	200	51	25.500	44	22.000	14.737
Pentachlorophenol	64	Not detected	Not detected	200	134	67.000	122	61.000	9.375
N-Nitroso-di-n-Propylamine	39	Not detected	Not detected	100	52	52.000	45	45.000	14.433
Acenapthene	49	Not detected	Not detected	100	52	52.000	46	46.000	12.245
4-Chloro-3-Methyliphenol	52	Not detected	Not detected	200	110	55.000	97	48.500	12.560
2-Chlorophenol	41	Not detected	Not detected	200	85	42.500	78	39.000	8.589
2,4-Dinitrotoluene	47	Not detected	Not detected	100	61	61.000	53	53.000	14.035
1,4-Dichlorobenzene	36	Not detected	Not detected	100	38	38.000	34	34.000	11.111
4-Nitrophenol	43	Not detected	Not detected	200	93	46.500	80	40.000	15.029



QA/QC Summary Report

Associated Samples: AC94571

01-Jun-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTAQ-19958

						Matrix Spike			Spike Duplicate	
٠.	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
,	Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
٠.	Selenium	102	Not detected	Not detected	2.00	2.14	107.000	Not detected		
	Silver	102	Not detected	Not detected	0.050	0.049	98.000	Not detected		
,	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
74	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
7	Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Cadmium	103	Not detected	Not detected	0.050	0.051	102.000	Not detected		
1	Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
. }	Lead	108	0.292	Not detected	0.500	0.750	9 1:600	0.293		0.342
3 3	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
4	Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
,	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
3	Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Barium	109	0.438	Not detected	2.00	2.39	97.600	0.436		0.458
	Arsenic	103	Not detected	Not detected	2.00	2.14	107.000	Not detected		
: :	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Chromium	106	0.038	Not detected	0.200	0.233	97.500	0.039		2.597



QA/QC Summary Report

Associated Samples: AC94571

01-Jun-06

Client: TRC Environmental

Analysis Name: Metals, Target Analyte List(TAL) Unit of Measure: ppm

Batch Name: \$MTS-19959

Danamatan		11			Matrix Spike	•		Spike Duplicate	•
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Antimony	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Arsenic	99.8	1.16	Not detected	200	201	99.92	1.09		6.22
Sodium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Zinc	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Thallium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Silver	101	0	Not detected	5.0	5.46	109.20	Not detected		Not detected
Selenium	97.7	0	Not detected	200	195	97.50	Not detected		Not detected
Potassium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected I	Not detected	1	Not detected		Not detected
Iron	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Chromium	95.5	13.5	Not detected	20.0	33.5	100.000	13.4		0.743
Calcium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Cadmium	98.2	0	Not detected	5.0	5.13	102.600	Not detected		Not detected
Beryllium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected
Barium	101	9.82	Not detected	200	224	107.09	9.67		1.54
Lead	101	114	Not detected	50.0	165	102.00	113		0.88
Vanadium	Not detected	Not detected	Not detected	Not detected I	Not detected		Not detected		Not detected



QA/QC Summary Report

Associated Samples: AC94571

01-Jun-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters

Batch Name: \$PESTW-19960

QA Sample #: AC94571

Unit of Measure: ug/L York's Sample ID: 06050639-03

: .:	Parameter		Unspiked			Matrix Spike	e		Spike Duplicate	
83)	· urumoto.	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Aldrin	87	Not detected	Not detected	1.00	0.89	89.000	0.85	85.000	4.598
	Lindane	97	Not detected	Not detected	1.00	1.00	100.000	0.94	94.000	6.186
.,"	Heptachlor	84	Not detected	Not detected	1.00	0.86	86.000	0.81	81.000	5.988
: .:	Dieldrin	88	Not detected	Not detected	2.00	1.79	89.500	1.76	88.000	1.690
	4,4'-DDT	84	Not detected	Not detected	2.00	1.68	84.000	1.67	83.500	0.597
	Endrin	94	Not detected	Not detected	2.00	1.89	94.500	1.88	94.000	0.531

Associated Samples: AC94571

Client: TRC Environmental

01-Jun-06

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19961

Parameter		Unspiked			Matrix Spil	ke		Spike Duplicate	•
	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	62.9	Not detected	Not detected	40	27.1	67.8	25.1	62.8	7.7
2,4-D	65.4	Not detected	Not detected	40	31.6	79.0	28.4	71.0	10.7

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94571

01-Jun-06

Client: TRC Environmental

Analysis Name: VOA QC WATERS

Unit of Measure: ug/L

Batch Name: \$VOAW-19962 QA Sample #: AC94571

York's Sample ID: 06050639-03

Parameter		Unspiked			Matrix Spil	(e		Spike Duplicate	
Parameter	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	112	Not detected	Not detected	50	57	114.0	57	114.0	0.0
Benzene	92	Not detected	Not detected	50	48	96.0	50	100.0	4.1
Chlorobenzene	100	Not detected	Not detected	50	51	102.0	53	106.0	3.8
Toluene	96	Not detected	Not detected	50	49	98.0	50	100.0	2.0
Trichloroethylene	100	Not detected	Not detected	50	50	100.0	52	104.0	3.9

Associated Samples: AC94571

Client: TRC Environmental

Batch Name: HG8_S-19963

01-Jun-06

QA Sample #: AC94571 York's Sample ID: 06050639-03

Matrix Spike Spike Duplicate

Parameter Unspiked Recovery,% Precision, RPD LCS(%) Result Blank Duplicate Amount Result Recovery, % HG8_S 1.50 101.3 10.8 92.0 Not detected Not detected 1.55 Not detected

Associated Samples: AC94571

Client: TRC Environmental

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HGTCLP-19964

01-Jun-06

QA Sample #: AC94571 York's Sample ID: 06050639-03

Matrix Spike Spike Duplicate

Parameter Unspiked LCS(%) Result Blank Amount Result Recovery, % Duplicate Recovery,% Precision, RPD 0 **HGTCLP** 105.5 0.0030 0.0028 95.1 Not detected Not detected Not detected

Report Date: 6/5/2006 Client Project ID: 42798-0110-00000 York Project No.: 06050694

TRC Environmental

21 Griffin Road North Windsor, CT 06095 Attention: Marya Mahoney

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/19/06. The project was identified as your project "42798-0110-00000".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			PR-VOC1-051806		PR-VOC2-051806	
York Sample ID			06050694-01		06050694-02	
Matrix			SOLID		SOLID	
Parameter	Method	Units	Results	MDL	Results	MDL
TCLP Volatiles	SW846-1311/8260	ug/L				
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			7	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Methyl Ethyl Ketone			330	5.0	220	5.0
Tetrachloroethylene	-		Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Vinyl Chloride			Not detected	5.0	Not detected	5.0

Client Sample ID		· · · ·	PR-14-051806	
York Sample ID			06050694-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
TCLP Base/Neutral/Acids	SW846-1311/8270C	ug/L		
1,4-Dichlorobenzene	5110101311102700	- 	Not detected	5.0
2,4,5-Trichlorophenol			Not detected	5.0
2,4,6-Trichlorophenol			Not detected	5.0
2,4-Dinitrotoluene			Not detected	5.0
Cresol (Total)			Not detected	5.0
Hexachloro-1,3-butadiene			Not detected	5.0
Hexachlorobenzene			Not detected	5.0
Hexachloroethane			Not detected	5.0
m-Cresol			Not detected	5.0
Nitrobenzene			Not detected	5.0
o-Cresol			Not detected	5.0
p-Cresol			Not detected	5.0
Pentachlorophenol			Not detected	5.0
Pyridine			Not detected	5.0
TCLP Herbicides	SW-846/8151	ug/L		
2,4,5-TP (Silvex)	D (Not detected	25.0
2,4-D			Not detected	25.0
TCLP RCRA Metals	SW846-1311/6010	mg/L		
TCLP Arsenic		111.8/ 22	Not detected	0.010
TCLP Barium			0.367	0.010
TCLP Cadmium			0.006	0.005
TCLP Chromium			0.120	0.005
TCLP Lead	****		0.677	0.005
TCLP Selenium		v	Not detected	0.010
TCLP Silver			Not detected	0.005
TCLP Mercury	SW846-1311/7470	mg/L	0.0012	0.0005
TCLP Pesticides	SW846-3510C/8081	ug/L		
Chlordane			Not detected	5.00
Endrin			Not detected	0.120
Heptachlor (and the epoxide)			Not detected	0.120
Lindane			Not detected	0.120
Methoxychlor			Not detected	1.20
Toxaphene			Not detected	5.00
TCLP Volatiles	SW846-1311/8260	ug/L		
1,1-Dichloroethylene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,4-Dichlorobenzene			19	5.0
Benzene			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroform			Not detected	5.0
Methyl Ethyl Ketone			460	5.0
Tetrachloroethylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Vinyl Chloride			Not detected	5.0

Client Sample ID			PR-14-051806	
York Sample ID			06050694-03	
Matrix			SOLID	
Parameter	Method	Units	Results	MDL
Total RCRA Metals	SW846	mg/kG		
Arsenic, total			3.38	1.00
Barium, total			44.2	0.50
Cadmium, total			1.40	0.50
Chromium, total			246	0.50
Lead, total			561	0.50
Selenium, total			Not detected	1.00
Silver, total			4.88	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10
Total Solids	SM 2540B	%	51.4	1.0

Units Key:

For Waters/Liquids: mg/L = ppm; ug/L = ppb

For Soils/Solids: mg/kg = ppm; ug/kg = ppb

Date: 6/5/2006

Notes for York Project No. 06050694

- 1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the <u>REPORTING LIMIT</u> and is based upon the lowest standard utilized for calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
- 5. All samples were received in proper condition for analysis with proper documentation.
- 6. All analyses conducted met method or Laboratory SOP requirements.
- 7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley

Managing Director

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94794

Client: TRC Environmental

05-Jun-06

Analysis Name: BNA QC-waters/tclps

Unit of Measure: ug/L

Batch Name: \$BNAW-19977

QA Sample #: AC94794

					Matrix Spil	ke		Spike Duplicate	•
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Pyrene	66	Not detected	Not detected	100	70	70.000	62	62.000	12.121
1,2,4-Trichlorobenzene	40	Not detected	Not detected	100	40	40.000	40	40.000	0.000
Phenol	31	Not detected	Not detected	200	66	33.000	57	28.500	14.634
Pentachlorophenol	73	Not detected	Not detected	200	156	78.000	136	68.000	13.699
N-Nitroso-di-n-Propylamine	56	Not detected	Not detected	100	58	58.000	54	54.000	7.143
Acenapthene	52	Not detected	Not detected	100	53	53.000	50	50.000	5.825
4-Chloro-3-Methyliphenol	55	Not detected	Not detected	200	115	57.500	102	51.000	11.982
2-Chlorophenol	48	Not detected	Not detected	200	104	52.000	89	44.500	15.544
2.4-Dinitrotoluene	49	Not detected	Not detected	100	52	52.000	46	46.000	12.245
1,4-Dichlorobenzene	34	Not detected	Not detected	100	35	35.000	33	33.000	5.882
4-Nitrophenol	34	Not detected	Not detected	200	71	35.500	66	33.000	7.299



QA/QC Summary Report

Batch Name: \$MTAQ-19978

Associated Samples: AC94794

05-Jun-06

Client: TRC Environmental

Analysis Name: *Metals, Target Analyte List(TAL)* Unit of Measure: ppm

QA Sample #: AC94794

N	D					Matrix Spike			Spike Duplicate	
	Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
	Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
i juli	Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
纫	Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
1	Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Selenium	102	Not detected	Not detected	2.00	2.14	107.000	Not detected		
	Silver	102	Not detected	Not detected	0.050	0.049	98.000	Not detected		
	Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
F. 1	Thallium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
M.o.ip	Cadmium	103	Not detected	Not detected	0.050	0.051	102.000	Not detected		
	Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Lead	108	0.292	Not detected	0.500	0.750	91.600	0.293		0.342
	Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
i i	Соррег	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
223	Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
	Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
47,14	Barium	109	0.438	Not detected	2.00	2.39	97.600	0.436		0.458
	Arsenic	103	Not detected	Not detected	2.00	2.14	107.000	Not detected		
	Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
. 1. 1. 1.	Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
	Chromium	106	0.038	Not detected	0.200	0.233	97.500	0.039		2.597

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94794

Client: TRC Environmental

05-Jun-06

Analysis Name: Metals, Target Analyte List(TAL)

Unit of Measure: ppm

Batch Name: \$MTS-19979

QA Sample #: AC94794

Danamatan		11			Matrix Spike	•		Spike Duplicate	
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
Antimony	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Arsenic	99.8	1.16	Not detected	200	201	99.92	1.09		6.22
Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Zinc	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Tha l lium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Silver	101	0	Not detected	5.0	5.46	109.20	Not detected		Not detected
Selenium	97.7	0	Not detected	200	195	97.50	Not detected		Not detected
Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Nickel	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected	I	Not detected		Not detected
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Copper	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Chromium	95.5	13.5	Not detected	20.0	33.5	100.000	13.4		0.743
Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Cadmium	98.2	0	Not detected	5.0	5.13	102.600	Not detected		Not detected
Beryllium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected
Barium	101	9.82	Not detected	200	224	107.09	9.67		1.54
Lead	101	114	Not detected	50.0	165	102.00	113		0.88
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		Not detected



QA/QC Summary Report

Associated Samples: AC94794

05-Jun-06

Client: TRC Environmental

Analysis Name: Pesticide QC only-waters Unit of Measure: ug/L

Batch Name: \$PESTW-19980

QA Sample #: AC94794

York's Sample ID: 06050694-03

					Matrix Spil	ke			
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Precision, RPD	
Aldrin	82.8	Not detected	Not detected	1.00	0.83	83.000	0.95	95.000	13.483
Lindane	88.8	Not detected	Not detected	1.00	0.91	91.000	1.05	105.000	14.286
Heptachlor	85.3	Not detected	Not detected	1.00	0.81	81.000	0.93	93.000	13.793
Dieldrin	82.5	Not detected	Not detected	2.00	1.80	90.000	2.04	102.000	12.500
4,4'-DDT	75.1	Not detected	Not detected	2.00	1.42	71.000	1.66	83.000	15.584
Endrin	87.2	Not detected	Not detected	2.00	1.91	95.500	2.16	108.000	12.285

Associated Samples: AC94794

Client: TRC Environmental

05-Jun-06

Analysis Name: TCLP Herbicides

Unit of Measure: ug/L

Batch Name: \$TCLPHRB-19981

QA Sample #: AC94794

Parameter		Unspiked			Matrix Spi	ke		Spike Duplicate	
Parameter .	LCS(%)	Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
2,4,5-TP (Silvex)	70.9	Not detected	Not detected	40	30.7	76.8	27.4	68.5	11.4
2,4-D	71.9	Not detected	Not detected	40	32.2	80.5	30.6	76.5	5.1

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC94794

Client: TRC Environmental

05-Jun-06

Unit of Measure: ug/L

Analysis Name: VOA QC WATERS

Batch Name: \$VOAW-19982

QA Sample #: AC94794 York's Sample ID: 06050694-03

Davamatas					Matrix Spil	(e		Spike Duplicate	•
Parameter	LCS(%)	Unspiked Result	Blank	Amount	Result	Recovery, %	Duplicate	Recovery,%	Precision, RPD
1,1-Dichloroethylene	110	Not detected	Not detected	50	58	116.0	57	114.0	1.7
Benzene	94	Not detected	Not detected	50	50	100.0	49	98.0	2.0
Chlorobenzene	98	Not detected	Not detected	50	49	98.0	50	100.0	2.0
Toluene	88	Not detected	Not detected	50	46	92.0	47	94.0	2.2
Trichloroethylene	90	Not detected	Not detected	50	46	92.0	48	96.0	4.3

Associated Samples: AC94794

Client: TRC Environmental

Analysis Name: Mercury

Unit of Measure: mg/kG

Batch Name: HG8_S-19983

1.27

QA Sample #: AC94794 York's Sample ID: 06050694-03

9.8

05-Jun-06

Matrix Spike: Spike Duplicate **Parameter** Unspiked LCS(%) Result Blank **Amount** Result Recovery, % Duplicate Recovery,% Precision, RPD

Not detected

HG8_S

Associated Samples: AC94794

Client: TRC Environmental

Not detected

Analysis Name: TCLP Mercury

Unit of Measure: mg/L

86.7

1.50

Batch Name: HGTCLP-19984

85.4

05-Jun-06

QA Sample #: AC94794 York's Sample ID: 06050694-03

Not detected

Matrix Spike Spike Duplicate Parameter Unspiked LCS(%) Blank Duplicate Recovery,% Precision, RPD Result Amount Result Recovery, % **HGTCLP** 105.5 0.0012 Not detected 0.0030 0.0028 95.1 0 Not detected

APPENDIX E STATISTICAL ANALYSIS INFORMATION

SHEET NO. 1 OF Z PROJECT NO. 42798- 0110 DATE 6-21-06 BY JMO

10 m

TRC SUBJECT CHECK # SAMPLES COLLECTED CHK'D MBM Calculation of appropriate number of samples (4) per 5W-846: obtained from Table 9-2, Sw-846 (attached) 52 and x obtained from Table 3-3 of this report RT = regulatory threshold = For data set without suspected outlier: From Table 9-2, n+1=13-1=120.084 0,32 $RT - \bar{x}$ = 4.63 $(1.356)^2 \times 0.084$ = 0.0072 13 > 0.0072, therefore sufficient samples collected with spare 05-03-06 sample: L_{10} 9-2 n-1 = 14-1 = 13 $t_{20} = 1.350$ For data From Table 9-2, n-1 = 14-1 = 13 $5^2 = 0.077$ $\overline{x} = 0.36$ 0.36 $RT - \overline{X} = 5 - 0.36 = 4.64$ 0.005 14 > 0,0065, therefore sufficient samples collected

SHEET NO. 2 OF 2

PROJECT NO. 42798-0110

DATE 6-21-06

BY TMO

CHK'D MBM

TRC

SUBJECT CALCULATE CONFIDENCE INTERVAL

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TABLE A-3: CRITICAL VALUES FOR THE EXTREME VALUE TEST (DIXON'S TEST)

	L	evel of Significance	eа
_n	0.10	0.05	0.01
3	0.886	0.941	0.988
4	0.679	0.765	0.889
5	0.557	0.642	0.780
6	0.482	0.560	0.698
7	0.434	0.507	0.637
8	0.479	0.554	0.683
9	0.441	0.512	0.635
10	0.409	0.477	0.597
11	0.517	0.576	0.679
12	0.490	0.546	0.642
13	0.467	0.521	0.615
14	0.492	0.546	0.641
15	0.472	0.525	0.616
16	0.454	0.507	0.595
17	0.438	0.490	0.577
18	0.424	0.475	0.561
19	0.412	0.462	0.547
20	0.401	0.450	0.535
21	0.391	0.440	0.524
22	0.382	0.430	0.514
23	0.374	0.421	0.505
24	0.367	0.413	0.497
25	0.360	0.406	0.489

TABLE 9-2. TABULATED VALUES OF STUDENT'S "t" FOR EVALUATING SOLID WASTES

Degrees of	Tabulated
freedom (n-1)a	"t" Value ^b
1 2 3 4	3.078
2	1.886
3	1.638
4	1.533
5	1.476
6	1.440
6 7	1.415
. 8	1.397
9	1.393
10	1.372
10	1.3/2
11	1.363
12	1.356
13	1.350
14	1.345
15	1.341
16	1.337
17	1.333
18	1.330
19	1.328
20	1.325
21	1 202
. 21	1.323
22	1.321
23	1.319
24	1.318
25	1.316
26	1.315
27	1.314
28	1.313
29	1.311
30	1.310
40	1.303
60	
120	1.296
120	1.289
	<u>1.</u> 282 `

^a Degrees of freedom (df) are equal to the number of samples (n) collected from a solid waste less one.

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NINE - 4

Revision 0 Date September 1986

 $^{^{\}rm b}$ Tabulated "t" values are for a two-tailed confidence interval and a probability of 0.20 (the same values are applicable to a one-tailed confidence interval and a probability of 0.10).