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Calculation of Combustible Waste Fraction (CWF) Estimates Used in Organics Safety Issue Screening

P.G. Heasler
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J.J. Toth

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Executive Summary

This report describes the methodology for calculating combustible waste fractions in Hanford Single Shell Tanks. Two sets of combustible waste fractions are calculated; Dry combustible waste represents the fraction of waste that would be combustible if the tanks were allowed to completely dry out and current combustible waste represents the fraction of waste that is combustible under current conditions. Combustible waste estimates are calculated for 138 of the 149 single shell tanks at Hanford. Eleven tanks have been excluded from the analysis because the waste they contain is thought to be atypical.

The estimates are calculated from total organic carbon and moisture measurements made on waste sampled from the tanks. Not all tanks have been sampled, but this methodology is capable of estimating combustible waste fractions for unsampled tanks by extrapolating information from sampled tanks to the unsampled tanks.

This report also lists all the tank characterization measurements that have been used to construct the combustible waste estimates. The data and estimates are organized on a tank-by-tank basis in Appendix A, so that results can easily be compared to raw data.

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Glossary

ANOVA ANalysis Of VAriance: A statistical procedure for estimating different sources of variation (both deterministic and random) in data.

Combustion Threshold : This is the amount of TOC that must be present in dry waste to support combustion. This threshold is presently set at 4.5%. This threshold assumes that no moisture is present in the waste and the waste is oxidant-rich.

CDF Cumulative Distribution Function: The CDF of a random variable X describes the probability that $X \leq t$ for any value t.

CWF Combustible Waste Fraction: The fraction of waste in a tank that is capable of burning when exposed to a source of ignition. For this analysis, a unit of dry waste is combustible if TOC>4.5%, so CWF is equivalent to the proportion of waste with TOC>r.5%.

DOF Degrees of Freedom: A parameter associated with an ANOVA variance estimate that describes how much data was available to estimate the parameter.

H_2O Water in the waste, measured in weight percent.

NA Not Available: This term is used in tables to identify data that is not available.

PDF Probability Density Function: The PDF of a random variable is the derivative of its CDF.

REML REstricted Maximum Likelihood: A statistical procedure for determining parameter estimates for regression and ANOVA models.

RSD Relative Standard Deviation: The relative standard deviation of a random variable is its standard deviation divided by its mean.

Safety Screening Threshold: This is the amount of combustible waste allowed in the tank. This threshold is set to 5%.

TCD Tank Characterization Database: This data-base is the electronic repository for all Hanford tank sampling data.

TGA Thermo-Gravimetric Analysis: A method for measuring moisture in a waste sample.

TOC Total Organic Carbon: All organic carbon present in the waste, measured in weight percent.

1 Introduction

This report describes how in-tank measurements of moisture (H_2O) and total organic carbon (TOC) are used to calculate combustible waste fractions (CWF) for 138 of the 149 Hanford single shell tanks. The combustible waste fraction of a tank is defined as that proportion of waste that is capable of burning when exposed to an ignition source. These CWF estimates are used to screen tanks for the organics complexant safety issue. Tanks with a suitably low fraction of combustible waste are classified as safe.

The calculations in this report determine the combustible waste fractions in tanks under two different moisture conditions: under current moisture conditions, and after complete dry out. The first fraction is called the **wet combustible waste fraction** (wet CWF) and the second is called the **dry combustible waste fraction** (dry CWF). These two fractions are used to screen tanks into three categories: if the wet CWF is too high (above 5%), the tank is categorized as unsafe; if the wet CWF is low but the dry CWF is too high (again, above 5%), the tank is categorized as conditionally safe; Finally, if both the wet and dry CWF are low, the tank is categorized as safe.

This screening operation is only the first step in the complete tank assessment strategy. Other information may change the initial categorization of a tank. For example, additional measurements might find that the TOC in the tank is degraded, or that the tank can never completely dry out, or that the waste is oxidizer poor.

Although the CWF can be calculated for any tank, the screening operation has not been applied to all 149 single-shell tanks. A set of 11 tanks were classified as "special" tanks, with waste streams that are considered much more unpredictable than the other tanks and these special tanks were excluded from the analysis (see Appendix F of [14] for a more complete discussion of special tanks). Thus this analysis estimates combustible waste fractions for 138 tanks.

An important feature of this methodology is that it provides CWF estimates for all chosen tanks – even those without any TOC or H_2O measurements. The methodology also produces uncertainties for the estimates, which are utilized in the screening operation to produce conservative classifications.

Section 2 describes the data that was required for these calculations. Sections 3 and 4 describe the statistical model and resulting fit for dry combustible waste fractions. Sections 5 and 6 present the statistical model used to estimate wet CWF and the resulting fit. Section 7 describes two tests that were performed on the dry combustible waste fraction ANOVA model to validate it. Finally, Section 8 presents concluding remarks.

Two Appendices present results on a tank-by-tank basis. The first Appendix lists input data for each tank, along with ANOVA model results, and the final CWF estimates. The second Appendix plots dry CWF uncertainty distributions for each tank.

2 Description of the Data

This section describes the data collection and transformations required to produce a database for the combustible waste fraction calculations. The basic data consists of H_2O and TOC measurements from tank waste at identified locations in the tank. Other information required includes sampling and location codes, as well as the fraction of solid and liquid mass recovered from each sample location. The solid and liquid masses are used to form proper weights for combining the H_2O and TOC measurements associated with the solid and liquid phases.

2.1 Sampling Methodology

Hanford single shell tanks contain radioactive process waste produced by Plutonium production operations over the past 50 years. The tanks are buried underground, with access through pipes, called risers, that penetrate the tank domes. All waste samples are taken through these tank risers. Since the location of risers in a typical tank is limited, and risers may be used by other instrumentation, it is possible that the sampled waste is not necessarily representative of the waste in the tank.

Tanks are typically 75 feet in diameter and the largest can contain a million gallons of waste. Tank sizes range from million gallon, to 50,000 gallon tanks. Almost all tanks are only partially filled with waste – many contain less than a quarter of their rated capacity.

The waste was initially liquid when first transfered to the tanks. However, to make room for more waste in the tanks, the water was removed and most tanks are now filled with a waste that is largely solid. The waste in a typical tank has gone through several operations (i.e. evaporation, precipitation, and transfer between tanks), consequently the waste in the tanks is quite inhomogeneous.

Sampling is carried out to "characterize" the waste (i.e. measure the chemical and physical characteristics of the waste in the tanks). Normally, tank wastes are accessed from two different risers, one near the center of the tank, the other near the tank perimeter. To retrieve the tank waste, a sampling device is selected based upon the type of waste in each individual tank. Three types of sampling devices are used: core samplers, grab samplers, and auger samplers. Core samplers are used to retrieve a thin cylinder of waste for analysis, grab samplers are used to retrieve liquid waste, and auger samplers are used to retrieve solid surface waste.

In core sampling, a cylindrical cross section of the tank contents below the riser is obtained by pushing or rotating a 2.5 cm x 48 cm (1 in x 19 in) stainless steel sampler bit into the waste. Each 19-inch vertical length represents one segment, with segment number 1 being nearest the surface. The usable volume of the sampler segment is about 187 ml. The samples collected for each segment are extruded in a hot cell and the mass of the solid sample is determined. The drainable liquid is recovered from the extrusion for each segment. The percent mass recovered for each segment can vary from 0 to 100%.

Waste material from individual segments are also mixed together to produce a "core composite sample" which represents an average of an entire vertical profile of the waste.

Grab sampling collects liquid samples using a sampling bottle that is contained in a cage and lowered into liquid waste. Auger samplers collect solid surface waste and is used in safety screening of sludge or saltcake waste. If auger sampling is performed on waste that contains a great deal of liquid, the liquid portion of the waste may run out of the sampler and a non-representative sample will result. Consequently, drainable liquid is generally not present in auger samples. Auger sampling collects the first 20 to 30 cm (7.9 to 12 in) from the surface.

The sampling carried out to retrieve tank waste for characterization provides the means to associate the measurement results with the location of the sample (tank, riser, segment). Tank and riser id's provide the horizontal location, while the segment numbers provide the vertical distance from the surface of the waste. Several measurements are typically present for a single location. Duplicate TOC and H_2O measurements will be taken, and if both drainable liquid and solid phases are present, separate TOC and H_2O measurements will exist for them too. It is also possible that the segment has been subdivided into subsegments, resulting in measurements for each subsegment.

All these measurements are averaged together, resulting in one TOC and one H_20 measurement per location. Averaging of drainable liquid and solid phase measurements is weighted by each phase's mass.

The sampling method used to retrieve tank waste for characterization provides the means for associating the measurement with one of three waste layers, the surface layer, the sub-surface layer, and the supernate layer. All auger samples are designated as surface measurements. All solid-phase segment 1 core measurements are also designated as surface measurements. Finally, grab samples are designated as supernate layer measurements.

Samples associated with the sub-surface layer include all core samples from segment 2 or greater. The sub-surface measurements comprise the majority of data collected for TOC/H_2O data, as shown below in Table 1

Table 1: Description of TOC/H_2O Data According to Sample Layer

	No. of Measurements	
Tank Layer	TOC	H_2O
Supernate	68	158
Surface	278	598
Sub-surface	1871	2870

The "supernate layer" represents a liquid layer of waste above the solid layers of waste, or pools of liquid waste on the solid waste surface. Supernate does not normally exist in pumped or stabilized tanks and therefore measurements from this layer are not included in the combustible waste calculations. However, supernate measurements are kept for reference in the raw dataset. The other two layers (surface and sub-surface) are explicitly included in the ANOVA's used to estimate CWF. The tank waste was divided into surface and sub-surface regions to reduce potential bias; It was thought that TOC and H_2O concentrations

of surface waste should be much different from subsurface waste.

Division of the waste in these three "layers" is undoubtedly a simplification of the true state of the waste in the tanks. The use of the term "layer" is not meant to imply that the waste is segregated into three horizontally uniform layers. It might be more accurate to call these three layers sampling strata.

2.2 Collection of the H_2O and TOC Data

Nearly 7000 H_2O and TOC measurements have been collected from the Tank Characterization Database (TCD,[9]), an electronic database that contains almost all of the recent Hanford sampling measurements, and various laboratory reports. However, not all collected measurements are relevant for the estimation of the CWF. Further, this initial set of data requires transformations before it is useful for CWF estimation. The solid and drainable liquid measurements for H_2O and TOC at each location must be combined. In addition, the measurements must be converted to consistent units, (wet weight percent), and laboratory replicates must be averaged together. The resulting "transformations" produce a single (H_2O, TOC) estimate for each discrete sample location. After transformations and averages are complete, (H_2O, TOC) data are produced for approximately 519 tank waste locations.

Table 2: Summary of TOC/H_2O Data

Description	Quantity
Number of Tanks Sampled for H_2O or TOC	112
Number of Tanks Sampled for H_2O and TOC	88
Number of Tanks Sampled for H_2O	107
Number of Tanks Sampled for TOC	93
Number of H_2O Measurements Collected	4212
Number of TOC Measurements Collected	2620
Number of Locations Sampled for H_2O or TOC	1004
Number of Locations Sampled for H_2O and TOC	519
Number of Locations Sampled for H_2O	865
Number of Locations Sampled for TOC	658

Most of the data, (i.e. 70%) has been extracted from the TCD. The additional records not from TCD include data from process aids reports, and data measured in 1998 that has not yet been entered to the TCD. These samples have been reviewed to verify that the sample measurements represent the current tank waste. If sample measurements were deemed not representative, they were not used in the screening calculations.

Table 2 summarizes the amount of (H_2O, TOC) data available for the calculations. As one can see, approximately 70% of the 149 single shell tanks have been sampled for H_2O while about 60% have been sampled for TOC. This sampling data allows us to produce H_2O or TOC estimates for 1004 discrete locations within the tank wastes. A total of 519 of

the 1004 locations sampled have both H_2O and TOC measurements associated with them, while 865 locations have only H_2O measurements. TOC measurements are missing at several sampled locations because the sampling protocol did not require TOC measurements to be taken on every sample. About ninety percent of the TOC/H_2O measurements were based on the core samples. The sampling methods are summarized in Table 3.

Table 3: Description of TOC/H_2O Data According to Sampling Device

	No. of Samples			
Device Type	TOC (solid)	TOC (liquid)	H_2O (solid)	H_2O (liquid)
Core Sampler	1976	373	3220	486
Grab Sampler	29	20	82	74
Auger Sampler	68	2	249	2
Not Reported	137	15	75	24
Subtotal	2210	410	3626	586

Total TOC = 2210 + 410 = 2620

Total H_2O = 3626 + 586 = 4212

Approximately 4200 measurements were collected for H_2O and approximately 2600 measurements for TOC. Part of the reason the number of measurements is not the same for the two analytes is because the characterization scheme was not required to analyze every tank for TOC or moisture. In some cases, the characterization scheme followed a path of first testing for waste energetics with a differential scanning calorimeter (DSC). Only those tanks with positive DSC results had TOC measurements taken on the waste samples. The following 26 tank wastes were analyzed for DSC energetics but the values were not high enough to trigger a TOC analysis: AX-104, B-104, B-107, B-108, B-112, B-201, B-204, BX-101, BX-108, BX-110, C-201, C-202, C-203, SX-104, SX-113, T-103, T-106, T-108, T-109, T-112, TX-107, U-101, U-112, U-201, U-202, and U-203.

2.3 TOC Analytical Methods, Persulfate and Combustion Oxidation

The potential for TOC and H_2O measurements to vary depends upon the analytical methods employed including the laboratory method, limits of detection (dilutions), sample heterogeneity, and assumptions made in the sample calculations. Analysis of TOC requires oxidation of the organic carbon using either persulfate or combustion. The written procedures for analyzing TOC are listed in Table 4.

The observed variation of TOC with either the persulfate oxidation or furnace oxidation was investigated on both simulants and in actual tank waste. Baldwin, [4] investigated the effect of the TOC methods for waste stimulants. Because organic carbon in tank waste includes a broad range of compounds, percent recoveries were measured for various compound types. Organic salt and complexant recoveries ranged from 83% to 120%.

Table 4: TOC Methods

Method id	Method	Laboratory
LA-344-105	Furnace Oxidation	222-S
LA-342-100	Persulfate Oxidation	222-S
LA-344-105	Furnace Oxidation	222-S
PNL-ALO-380	TOC/TIC/TC by Hot Persulfate	325
PNL-ALO-381	TOC/TIC/TC by Furnace Combustion	325
PNL-ALO-382	TOC/TIC/TC by UV-Catalyzed Persulfate	325

Observed TOC variation from using either the persulfate oxidation or furnace oxidation of actual waste has been examined in double shell tank SY-101 (Herting, [11]). The study indicates that the persulfate method yielded results that varied from 62% to 91% of the furnace assay results.

Sample heterogeneity contributes to assay variation, and this effect can be examined from the TOC results on the waste in single-shell tank U-106, a tank known to contain organic-complexants. The TOC segment results of shown in Table 5 for the hot persulfate analytical method indicate that the segment level primary results varied from 91% to 128% of the duplicate results.

Table 5: Selected TOC Data from Tank U-106

State	Location	Lab sample id	Primary TOC (%)	Duplicate TOC (%)	Primary Dupl. ratio
solid	u106 19 2	s96t003065	2.63	2.67	0.98
solid	u106 19 3	s96t003066	2.65	2.61	1.01
solid	u106 19 3	s96t003070	1.92	1.5	1.28
solid	u106 19 4	s96t003067	2.59	2.57	1.01
solid	u106 19 4	s96t003068	2.44	2.58	0.94
solid	u106 19 5	s96t003069	1.63	1.46	1.11
solid	u106 19 5	s96t003071	0.87	0.939	0.93
solid	u106 2 2	s96t003010	2.36	2.29	1.03
solid	u106 2 2	s96t003011	2.54	2.45	1.04
solid	u106 2 3	s96t003012	2.57	2.55	1.01
solid	u106 2 3	s96t003013	2.6	2.56	1.02
solid	u106 2 4	s96t003014	2.45	2.69	0.91
solid	u106 2 4	s96t003015	2.55	2.5	1.02
solid	u106 2 5	s96t003016	1.67	1.44	1.16
solid	u106 2 5	s96t003017	0.893	0.895	1.00

2.4 H_2O Analytical Methods, Thermogravimetric and Gravimetric Analyses

To measure moisture in a sample using thermal gravimetric analysis (TGA), the mass of a sample is measured while it is heated at a constant rate. The mass of the original sample is approximately 10 mg. A gas, such as nitrogen or air, is passed over the sample during the heating to remove any sample off-gases. Any decrease in the mass of the sample represents a loss of gases from the sample through evaporation or through a reaction that forms gas phase products. Mass loss versus sample temperature is recorded on a graph. Mass loss from ambient temperature to approximately 150°C (302°F) is assumed to be water unless the responsible chemist evaluates the graphed data and finds an exception to this rule. The weight percent water by TGA was performed using procedures LA-560-112, Revision B-1 (Mettler) equipment and LA-514-114 (Perkin Elmer Equipment).

To measure moisture in a sample using gravimetric analysis, the mass of a sample is measured after being heated at a constant temperature of 110°C (230°F) for 18 hours. Any decrease in the mass of the sample represents a loss of gases from the sample through evaporation or reaction, and is assumed to be water.

The assay errors resulting from using either the TGA and gravimetric methods were evaluated on the grab sample sludges and are reported in the C-106 Tank Characterization Report [17]. Samples of the supernate, centrifuged solids, and filtered centrifuged solids were analyzed and the results are shown in Table 6. For the solids samples, the percent water for gravimetric analysis are greater than the TGA method. This is expected because the gravimetric method uses larger samples and a constant drying temperature of 110°C for 18 hours could potentially drive off more water.

2.5 Collection of Tank Data

Miscellaneous information concerning each tank is required for the combustible waste calculation. The data include diameter of each single-shell tank and volume of sludge and saltcake. Using published data, each single-shell tank was grouped according to the quantity of organic complexant waste admitted to each tank, the surface condition of the waste, and the predominant waste phase. This grouping was also utilized by the calculations.

2.6 Database Description

Although all indications are that good laboratory and quality control procedures were in place for sample analysis and evaluation, some reported laboratory results are worth mentioning as an indication of possible problems. For example, some samples present in the database were described as liquids with less than 30 percent water. Liquid waste measurements for tanks SX-106, S-102, C-106, and BY-108 were found to be below 30% water, as shown in Table 7. One reason for the reported low percent water values for liquids is the high heat content of the waste in some tanks, resulting in the liquid containing low water (super-saturated solution). Two tanks where high heat can explain the low percent water

Table 6: Comparison of Percent Water by Thermogravimetric and Gravimetric Analyses in Tank C-106

Laboratory Number	Sample Number	TGA	Gravimetric Analysis
Supernate			
S96T000538	6C-96-5	80.88	81.4
S96T001023	6C-96-12	79.27	79.0
Filtered Centrifuged Solids			
S96T001537/ S96T001539	6C-96-4	24.10	25.1
S96T000567/ S96T000569	6C-96-7	25.74	26.8
S96T000551/ S96T000553	6C-96-10	12.78	19.05
S96T001685/ S96T001687	6C-96-11	31.92	34.1
S96T001559/ S96T001561	6C-96-13	23.7	26.3
Centrifuged Solids			
S96T001527	6C-96-4	3.58	5.75
S96T000542	6C-96-7	8.28	9.9
S96T000558	6C-96-10	12.86	17.1
S96T001674	6C-96-11	9.03	11.65
S96T001030	6C-96-13	9.36	20.85

measurements are SX-106 and C-106. However, no reason is evident for the low percent water found in wastes from tanks S-102 and BY-108.

Table 7: Liquid Measurements Reported with Less Than 30% Water

Tank	Lab sample id	Riser (event)	Segment	Layer	H_2O	Date	State
SX-106	s97T002179	223	1	supernate	22.37	980430	liquid
SX-106	s97T002179	223	1	supernate	19.34	980430	liquid
S-102	s96t000634	11	11	sub-surface	29.47	960113	liquid
C-106	s96t001679	7	1	supernate	28.37	960301	liquid
BY-108	s95t001427	12a	2	sub-surface	27.11	950727	liquid
BY-108	s95t001427	12a	2	sub-surface	25.03	950727	liquid

In addition to these liquid measurements with low water, 49 solid waste measurements presented in the dataset report less than 2 percent water. Of these, 32 measurements were used in the calculation of combustible waste fraction. Some samples reported a complete absence of water that has not been explained. For example, TGA plots for tank C-111 show very little weight loss until $\sim 225^oC$. Twenty one sample results reporting less than 1 percent water were replaced with a value of 1% water for purposes of the CWF calculation. The distributional model employed to describe moisture requires a value above 0%, but more importantly, waste physics (see [18]) also requires moisture to be greater than 0%.

2.7 Data Editing and Transformations

All analytical results for liquid samples have been converted from a volume basis (as reported by the analytical laboratory) to a weight basis, so that liquid and solid phase measurements can be combined. The conversion of data from a volume to weight basis required knowledge of the sample density. In cases where the density of the sample was not reported, a density of 1.3 gm/ml was used for liquid samples, and a density of 1.5 gm/ml was used for solid samples. For comparison, Willingham (1994) modeled density and density variation in Hanford tank waste samples. The density of supernatants was reported as 1.26 gm/ml with a standard deviation of 0.13 gm/ml. The density of sludge was reported to be 1.54 gm/ml with a standard deviation of 0.23 gm/ml.

The following data were excluded from the ANOVA calculations as incorrect measurements:

1. H_2O or TOC values reported that are not consistent with other values from this sample or possibly surrounding samples.

2. Reported values which the responsible chemist has indicated do not represent the waste in the tank due to out-of-specification conditioning or heating of the waste sample after retrieval from the tank.

3. Reported values from samples that were contaminated with lithium bromide used in the sampling process.

4. Reported values from secondary or tertiary sources of data and cannot be verified. This is especially true for pre-1989 data.

Nearly 1400 measurements related to solid fraction or liquid fraction were collected from the TCD. The initial set of constituent data collected from the TCD was associated with unique locations, similar to the location identification system developed for the TOC/H_2O dataset. However, the solid fraction and liquid fraction data required transformation before they could be combined. The measurements used to develop the solid and liquid fraction data are:

1. solid weight and drainable liquid weight

2. solid volume and drainable liquid volume

3. weight percent solids and volume percent solids

It was necessary to transform the constituent data to solid fraction and liquid fraction data on a weight basis. The transformed constituent data and resulting liquid fractions for each location are presented in the Appendix A. Solid weight and drainable liquid weight offer the most direct calculation of the fraction of solid and liquid by weight. Solid volume and drainable liquid volume were also used to calculate solid and liquid fractions by assuming an appropriate density. In this case, 1.5 g/ml was used as the density for solid and 1.3 g/ml was used as the density for liquid as described above. In the absence of the first two categories of data listed above, values for the weight percent solids and then the volume percent solids were used to calculate solid and liquid fractions.

The (H_2O, TOC) solid measurements were averaged to obtain a single mean value for each discrete sample location. Similarly, drainable liquid measurements were averaged to obtain a single mean value for each discrete sample location, if drainable liquid was present in the sampler. As previously stated, supernate samples were not used in the combustible waste calculation. In most cases, only a solid sample was recovered in the surface and sub-surface layers; no drainable liquid was recovered. Where TOC or H_2O measurements were present in both solid and liquid phases, the solid average and the liquid average were combined by a weighted average to form a single mean value for the location, using weights proportional to the solid and liquid fractions. Where TOC or H_2O measurements were present in the solid phase but absent in the liquid phase, it is assumed that liquid was not recovered. Where TOC or H_2O measurements were present in both solid phase and liquid phase, but the fraction information is missing, the solid average was used to represent the mean for the location. Where TOC or H_2O measurements were present in liquid phase but absent in the solid phase, the measurement was not used unless the liquid fraction was larger than 90%, in which case, the liquid average was used to represent the mean value at the location.

3 Estimation Methodology for Dry CWF

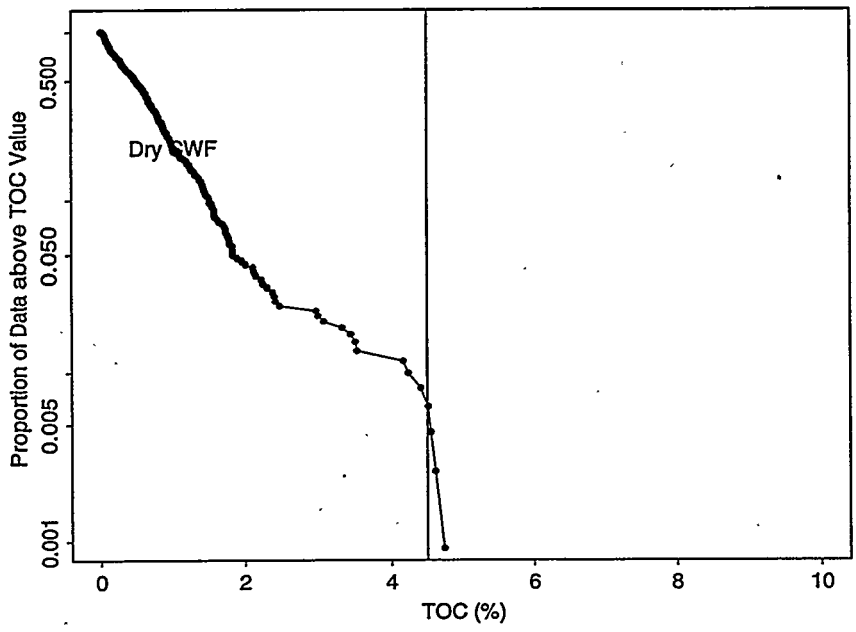
This section describes the statistical calculations that produce the dry CWF's from (H_2O,TOC) sampling data. The calculation actually produces more than a single point estimate for combustible waste fractions. A Bayesian "uncertainty distribution" is produced, which describes how close the estimate is to the true dry CWF.

3.1 Quantities to be Estimated

Dry combustible waste is currently defined as waste with a dry-TOC concentration greater than 4.5% (see [14] for a justification of this definition). According to this definition, dry CWF is then the fraction of waste in a tank that exceeds this combustion threshold.

The basic features of this estimation strategy can be illustrated with tank data. Figure 1 presents all the dry-TOC values that can be computed from (H_2O,TOC) data (519 points). If this data represented a random sample from the tank farm, this plot would estimate the actual site-wide dry-TOC distribution. One could therefore estimate the site-wide combustible waste fraction by counting the number of points that fall above the 4.5% threshold. In this example, 4 points are above the threshold, so we would estimate the dry CWF at 4/519=0.8%.

Figure 1: Illustration of Dry Combustible Waste Estimate from Tank Data



This illustrative estimate has several deficiencies: It produces site-wide estimates, when tank-specific estimates are needed; It may be biased high because the tanks chosen for sampling are the "problem" TOC tanks; Finally, it requires a great deal of data to produce

accurate estimates. The methodology developed for tank screening attempts to deal with these difficulties, but it still utilizes the same simple strategy as illustrated.

To use the available data to estimate the distribution of dry-TOC for each tank, and to reduce biases in the data as mentioned above, statistical procedures suited to the structure of the available data have been chosen. A dry-TOC distribution describes what proportion of the waste has a dry-TOC concentration above any specified threshold, in particular the threshold that defines the dry combustible waste. Historical information was used to group tanks with similar TOC and moisture content into 5 TOC groups and 4 moisture groups (see [14] for more details). Then, a random-effects analysis of variance (ANOVA) model was used together with the tank groupings to estimate the dry-TOC distribution for each tank.

In the random-effects ANOVA model, the dry-TOC concentration was assumed to have a logistic-normal distribution and the two unknown parameters that define such a distribution (i.e., logistic mean and logistic standard deviation) were estimated using the ANOVA procedures. A simple parametric form was chosen for the distribution because sufficient data does not exist to estimate the distribution empirically for each tank. Although the assumption of logistic-normality is undoubtedly an approximation to reality, the residual plots presented in Section 4 demonstrate that the assumption is reasonable. (Further discussion about this can be found in Section 4.)

We want to utilize all the relevant TOC data available. This means that for each tank location where TOC data exists, we would like to have a dry-TOC value and this requires both TOC and moisture measurements. Although logically every TOC measurement required a moisture measurement to convert from a dry to wet basis before it was entered into TCD, such a correspondence between TOC and moisture measurements is not observed. In the observed data, about 19% of the tank locations with TOC measurements are missing corresponding moisture measurements. For those tank locations, we have used the H_2O ANOVA best estimate to fill in the missing moisture value. Details of the H_2O ANOVA are discussed in Sections 5 and 6.

From the H_2O and TOC measurements for a given tank location, the dry-TOC can be easily calculated. We considered a dry-out scenario in which the moisture was reduced from its original concentration of $X_{h2o}(wet)$ to the value $X_{h2o}(dry)$. If $X_{toc}(wet)$ represents the TOC currently in a unit of waste, then after dry-out the result is:

$$X_{toc}(dry) = \frac{1 - X_{h2o}(dry)}{1 - X_{h2o}(wet)} X_{toc}(wet) \tag{1}$$

In our analysis, the above formula was applied by making the most pessimistic assumption for dry-out, that is $X_{h2o}(dry) = 0$, or all water is eliminated. Studies have shown that a typical single shell tank would achieve equilibrium at 5% to 25% moisture (see [18]), so if best estimates for dry-out were used in the screening calculation, more optimistic results might be obtained.

For each tank, the ANOVA produced an estimated dry-TOC distribution that describes the spatial variability of the waste in terms of dry-TOC. As mentioned earlier, we used a logistic-normal distribution to describe this spatial variability. If we denote the ANOVA estimate of the logistic-mean and logistic-standard deviation by $\hat{\mu}$ and $\hat{\sigma}$, we can calculate

the dry CWF, i.e., the fraction of waste with dry-TOC above the 4.5% threshold, by:

$$R_{dry} = \Phi\left(\frac{\hat{\mu} - \text{logistic}(4.5\%)}{\hat{\sigma}}\right) \tag{2}$$

where $\Phi(\cdot)$ is the CDF for standard normal distribution.

As can be seen, this fraction R_{dry} depends on the estimated values $\hat{\mu}$ and $\hat{\sigma}$, and the true μ and σ are unknown. We use a Bayesian "uncertainty distribution" to assess how close the estimated fraction is to the true one.

The calculations can be summarized in five steps:

1. Fill in missing H_2O values at tank locations where there are TOC measurements by using the result of a separate ANOVA model on H_2O, which is discussed in details in Sections 5 and 6.

2. Transform the (H_2O,TOC) data, which describes waste in its present state, to account for dry-out. The result is a dry-TOC measurement.

3. Perform an ANOVA analysis on dry-TOC measurements to determine the dry-TOC distribution in each tank.

4. Transform the dry-TOC distribution into a dry CWF for each tank.

5. Calculate Bayesian "uncertainty distributions" for each tank.

The 95% upper quantiles from the dry CWF distribution are compared to the 5% safety screening threshold to determine whether or not each tank passed the screening test.

3.2 Tank Grouping

Tank groups were introduced into the ANOVA modeling to allow prediction of TOC in unmeasured tanks. Tanks were arranged into 5 waste groups to represent the concentration of complexant TOC that one would expect on the basis of the tank's waste transfer history (this is described in detail in [14]).

Five categorizations cannot predict TOC perfectly. For example, a "non-complexant" tank may still contain TOC because secondary waste streams contain TOC, the TOC may be from solvents or extractants, or because of errors in the historical records. Splitting the tanks into more categories might decrease the within-group variations, but this would also decrease the amount of data available to estimate TOC for each group.

Given this constraint (i.e., sufficient data must exist to describe TOC in each group), we decided to limit the TOC categories to the following five:

High Tanks receiving high complexant waste streams.

Medium Tanks receiving indirect transfers of complexant waste.

Low Tanks receiving very little complexant waste.

Non-TOC Tanks that should have received no complexant waste.

Special Tanks with unique or unusual waste transfer histories, which were excluded from the screening.

3.3 ANOVA Model

The dry-TOC distribution was assumed to have a logistic-normal distribution. This distribution is created by applying a logistic transformation to the dry-TOC values and assuming that the result is normally distributed. If X_{min} and X_{max} represent the minimum and maximum bounds on a dry-TOC measurement, then the logistic transformation of the dry-TOC value $X_{dry.toc}$ is defined by:

$$Y = \log\left(\frac{X_{dry.toc} - X_{min}}{X_{max} - X_{dry.toc}}\right) = \text{logistic}(X_{dry.toc}) \tag{3}$$

The transformed value Y is assumed to be normally distributed with a mean of μ and a standard deviation of σ. This distribution is called the logistic-normal distribution and is often utilized in binomial regression modeling.

This distribution was chosen because it obeys the natural constraints on the TOC measurement (TOC concentration cannot be negative or greater than 20%). Also, the distribution produces a standard deviation that is roughly proportional to the mean, at least for small values. TOC concentration has been observed to obey such a relationship between mean and standard deviation. In previous reports, the TOC and H_2O distributions were assumed to be log-normal. When concentrations are low (as is generally the case for TOC), there is virtually no difference between the log-normal and logistic-normal distributions. However, the log-normal distribution does not have an upper bound, so the distributions differ markedly when concentrations are high (as is frequently the case for H_2O). The logistic-normal distribution was selected over the log-normal for its capability to model the right-hand tail of these distributions correctly.

For the screening analysis, the minimum bound on dry-TOC was set at $X_{min} = 0$ and the maximum bound was set to $X_{max} = 20\%$. The maximum bound was set to 20%, a value much lower than 100%, because the waste cannot consist of 100% *combustible* organic carbon. Oxidizer must be present in the waste and the organic carbon must be chemically combined with hydrogen, oxygen, and/or nitrogen. These constraints result in a practical upper bound on TOC of 20%.

To "fit" a logistic-normal distribution to TOC data, one really needs to estimate the two parameters, the mean, μ and the standard deviation, σ, of the logistic-transformed data. There are several ways to do this, and the best way depends on the amount of data available as well as on any relationships that might exist between tanks. An ANOVA model was employed to estimate these two parameters for each tank.

The ANOVA model assumes that (1) the σ parameter is the same for all tanks, and that (2) the means μ are described by a certain random-effects ANOVA formula. Because of these assumptions, the ANOVA model can produce estimates from modest amounts of data, and can in fact produce dry-TOC distributions for tanks that have no data.

Let us identify the logistic transformed dry-TOC data by $Y_{ijk\ell}$, where the indices describe the sampling conditions. These conditions are defined as:

i: Describes the waste layer (surface layer, sub-surface layer) the sample was taken from. The model divides the tank into a surface layer (the top 19 inches of waste), and the sub-surface layer (the remaining portion of the waste).

j: Identifies a tank group. There are four tank groups (High TOC, Medium TOC, Low TOC, and Non-TOC).

k: Represents the particular tank associated with the sample.

ℓ: Identifies the "replicate" measurements that occur within a layer in a particular tank.

This notation can be used to identify the distribution parameters μ and σ, which must be estimated for the surface and sub-surface layers of every tank. Thus layer i in tank jk has parameters μ_{ijk} and σ_{ijk} associated with it.

ANOVA estimates are produced by fitting an ANOVA model of the form:

$$Y_{ijk\ell} = \mu + D_i + G_j + DG_{ij} + T_{jk} + DT_{ijk} + e_{ijk\ell} \tag{4}$$

The terms D_i, G_j, DG_{ij}, T_{jk}, DT_{ijk}, and $e_{ijk\ell}$ are assumed to be independently and normally distributed random variables with zero means and standard deviations σ_D, σ_G, σ_{DG}, σ_T, σ_{DT}, and σ_e, respectively. The model terms (parameters) actually describe the following quantities (on the logistic scale):

μ: logistic-mean TOC for the site.

D_i: Deviation of layer i from the mean μ.

G_j: Deviation of tank group j from the mean μ.

DG_{ij}: Deviation of layer i from group average.

T_{jk}: Deviation of Tank k from the group average.

DT_{ijk}: Deviation of layer i in tank k from the tank's average.

$e_{ijk\ell}$: Spatial deviations within any layer (i, j, k).

σ_T^2: $Var(T_{jk})$, tank-to-tank variability.

σ_{DT}^2: $Var(DT_{ijk})$, layer-to-layer variability.

σ_e^2: $Var(e_{ijk\ell})$, within-layer variability.

This model includes the tank group effects as the terms G_j and DG_{ij}, which are important in determining estimates of TOC for tanks without any data. The waste within the tanks was divided into two layers because the surface of the waste was thought to be different from the sub-surface. Ideally, one would like to include more layers than this in the model (perhaps a layer for every segment taken) but not enough data is available.

The ANOVA fitting procedure produces estimates for all the unknown terms in the above equation. Since all terms in the model are considered to be random variables (with the exception of μ), it also calculates their variances (such as $Var(e_{ijk\ell}) = \sigma_e^2$, $Var(T_{jk}) = \sigma_T^2$, etc.). These variances are then used in the ANOVA procedure to calculate uncertainties in the TOC estimates.

This model produces estimates for all random effects by conditioning on the observed data ($Y_{ijk\ell}$). We explain how this is done by re-specifying the model (see [8] and [15]) in Equation (4) in matrix form as:

$$Y = X\beta + E \tag{5}$$

where Y is an $n \times 1$ response vector, X is the design matrix from the over-parameterized model comprised of zeros and ones denoting absence or presence of effects for a particular response. β is a vector comprised of μ and all of the random effects in the model, and E is the error vector of $e_{ijk\ell}$. Therefore,

$$\beta \sim N(0, \Sigma) \tag{6}$$

$$E \sim N(0, \sigma_e^2 I) \tag{7}$$

where Σ is a diagonal matrix with the variances of the model effects on the diagonal (i.e., $\Sigma = diag\{\infty, \sigma_D^2, \sigma_D^2, \sigma_G^2, \sigma_G^2, \cdots\}$). The first diagonal element corresponds to μ, which is fixed; it is mathematically equivalent to consider μ as a random term with infinite variance (see [8]). The joint distribution of the random variables Y and β can be written as

$$\begin{bmatrix} Y \\ \beta \end{bmatrix} \sim N\left(\begin{bmatrix} 0 \\ 0 \end{bmatrix}, \begin{bmatrix} X\Sigma X^T + \sigma_e^2 I & X\Sigma \\ \Sigma X^T & \Sigma \end{bmatrix} \right). \tag{8}$$

If Y is observed, then the conditional distribution of β given Y is a multivariate normal with

$$E(\beta|Y) = (X^T X + \sigma_e^2 \Sigma^{-1})^{-1} X^T Y \text{ and} \tag{9}$$

$$Cov(\beta|Y) = \sigma_e^2 (X^T X + \sigma_e^2 \Sigma^{-1})^{-1}. \tag{10}$$

and the Σ inverse matrix has the form

$$\Sigma^{-1} = diag\left\{0, \frac{1}{\sigma_D^2}, \frac{1}{\sigma_D^2}, \frac{1}{\sigma_G^2}, \frac{1}{\sigma_G^2}, \cdots\right\}. \tag{11}$$

$E(\beta|Y)$ is the "best estimate" for the random effect vector β and $Cov(\beta|Y)$ represents its associated uncertainty.

The ANOVA model presented in Equation (5) was fit to the data using the Restricted Maximum Likelihood (REML) algorithm present in Splus^{TM} (see [6], [7], [15], and [8] for

details). The fitting procedure uses the above formulas to determine all unknown model parameters in an iterative fashion. Given estimates for Σ, an estimate for the random effects parameter β is determined. Given β, the variances in Σ can be determined using sum of squares formulas.

In matrix form, the best estimate for a specific layer (identified by indices (i, j, k)) is given by:

$$\hat{\mu}_{ijk} = V^T E(\beta|Y) \text{ or} \tag{12}$$

$$= \hat{\mu} + \hat{D}_i + \hat{G}_j + \hat{DG}_{ij} + \hat{T}_{jk} + \hat{DT}_{ijk} \tag{13}$$

where the hat over the parameter signifies its estimated value and V represents a vector of zeros and ones chosen to select the 6 terms listed in equation 13. The uncertainty of this estimate is given by:

$$Var(\hat{\mu}_{ijk}|Y) = V^T Cov(\beta|Y)V \tag{14}$$

It so happens that Equations (12) and (14) produce valid estimates for tank layers, even when no data actually exists for that layer. To produce these estimates, one must only include columns in the design matrix, X that represent all layers to be estimated.

For a tank having no data, it can be shown that the best estimate is actually reduced to

$$\hat{\mu}_{ijk} = \hat{\mu} + \hat{G}_j + \hat{D}_i + \hat{DG}_{ij} \tag{15}$$

because T_{jk}, and DT_{ijk} are estimated as zero. In other words, when no data exists for a tank, the ANOVA uses group averages to estimate the layer concentrations, a strategy that makes intuitive sense. Of course, estimates associated with unsampled tanks are much less certain than the sampled-tank estimates, and their uncertainties are inflated by the amount $Var(T) + Var(DT)$. The actual estimates for all tank layers are automatically produced by an ANOVA estimation program in Splus (see [16]), using Equation (9).

The variance σ_e^2 represents within-layer variability (contaminated with some measurement error) and is particularly important in the combustible waste calculation because it describes how homogeneous the waste is. If this variance were zero, one measurement from a tank layer would be sufficient to determine whether or not it is safe in terms of CWF. This variability is also affected by the physical dimensions of the sample used to produce the data for the ANOVA. Making the samples dramatically larger or smaller than those currently called for by Tank Waste Characterization (TWC) sampling might produce a significantly different σ_e^2.

Since the measurement $Y_{ijk\ell}$ is typically on a core segment, the unit of waste being described in the ANOVA model is actually a cylinder 1 inch in diameter and about 20 inches in height. This analysis therefore evaluates the variability for units of waste that are about 20 inches (or 0.4M) in dimension. It so happens that a unit of waste of this dimension is approximately the size of concern for safety.

3.4 Estimation of Dry Combustible Waste

The ANOVA results presented in Section 3.3 are used to calculate the dry CWF. These fractions are then used to screen tanks into pass/fail categories as briefly described earlier. This section gives a more detailed description of the calculation of the dry fractions.

For layer i in tank jk, the ANOVA fitting procedure produces the desired distribution parameters (for dry-TOC on logistic scale) $\hat{\mu}_{ijk}$ and $\hat{\sigma}^2_{ijk} = \hat{\sigma}^2_e$. These two parameters are used to produce an estimate for the dry CWF $R_{dry.ijk}$ by equation (2). The subscript $i = 1$ corresponds to the surface layer, and $i = 2$ corresponds to the sub-surface layer. To obtain a CWF for the whole tank, the CWF's from the surface and sub-surface layers are averaged together, using the layer volumes as weights:

$$R_{dry.jk} = \frac{V_{surf}}{V_{surf} + V_{subs}} R_{dry.1jk} + \frac{V_{subs}}{V_{surf} + V_{subs}} R_{dry.2jk} \tag{16}$$

As discussed previously, the calculation must produce more than simple point estimates, because there is substantial uncertainty in such an estimate. We actually desire to calculate the posterior (uncertainty) distribution of $R_{dry.jk}$ given the available data. This more complicated problem is discussed in the next section, but the solution is closely related to the point estimate presented above.

3.5 Calculation of Uncertainty Distributions

The ANOVA estimation method can produce approximate posterior distributions for the parameters μ_{ijk} and σ^2_e. To simplify the discussion, we will concentrate on tank jk, so that the indices jk can be dropped from the parameters. For tank jk, we desire the joint posterior distribution on $(\mu_1, \mu_2, \sigma^2_e)$ (1=surface, 2=sub-surface), which can be denoted by:

$$f(\mu_1, \mu_2, \sigma^2_e | \text{data}) \tag{17}$$

Because the transformed data is normally distributed, the posterior is related to the estimates according to the approximate formula:

$$f(\mu, \sigma^2_e | \text{data}) = \mathcal{N}(\mu : \hat{\mu}, \hat{A}) \mathcal{IG}(\sigma^2_e : \hat{\sigma}^2_e, dof) \tag{18}$$

where $\mathcal{N}(x : y, z)$ represents a multivariate normal distribution with mean y and a covariance matrix of z. In the above formula, μ represents (μ_1, μ_2), so the normal distribution is two dimensional. The covariance matrix $\hat{A}$ is produced by the ANOVA fitting procedure. The variance, σ^2_e, is distributed according to an inverse gamma distribution, which is denoted by $\mathcal{IG}(x : y, z)$. The random variable x is defined to have an inverse gamma distribution with parameters y and z if $1/x$ has a gamma distribution with mean y and z degrees of freedom. The degrees of freedom represent the total number of data points minus number of tank layers with data.

Equation (18) describes the uncertainty in the dry-TOC distribution parameters μ and σ^2_e. Furthermore, equations (2) and (16) relate these parameters to CWF R_{dry}, a relationship that we can express by writing $R_{dry}(\mu, \sigma^2_e)$. Thus, the uncertainty distribution of R_{dry} is given by:

$$\begin{aligned} F(R_0|\text{data}) &= Pr(R_{dry} < R_0 | \text{data}) \\ &= \int_{R_{dry}(\mu, \sigma^2_e) < R_0} f(\mu, \sigma^2_e | \text{data}) d\mu_1 d\mu_2 d\sigma^2_e \end{aligned} \tag{19}$$

This distribution describes the dry combustible waste fraction in tank jk, and is the final output of the calculation. A best estimate is produced from this distribution by using its median. To classify tanks as pass or fail, the upper 95% quantile from this distribution is used.

4 Results of the Dry CWF Calculation

4.1 ANOVA Fit to Dry TOC

The ANOVA model that was fitted to the dry-TOC data as described by Equation (4). The variance components of this model (i.e., σ_e^2, σ_T^2, etc.) were summarized in Table 8. The estimates are produced in logistic-transformed space. In the table, they have been converted to relative standard deviations (RSD) in the non-transformed space.

Table 8: ANOVA Table For Dry-TOC

Variance Component	ANOVA Estimate	Approx. RSD (%)
σ_D^2	0	0 %
σ_G^2	0.267	52 %
σ_T^2	0.557	75 %
σ_{DG}^2	0	0 %
σ_{DT}^2	0.185	43 %
σ_e^2	0.519	72 %

One would like most of the variability to be associated with the tank grouping terms large because this would result in more effective predictions on unsampled tanks. To see how these variabilities are related to the ability to predict the state of unsampled tanks, we can compute the *within-group correlation*, which measures how well a sampled tank can be used to predict TOC in an unsampled tank in the same group. The formula for this correlation is;

$$\rho = \frac{\sigma_D^2 + \sigma_G^2 + \sigma_{DG}^2}{\sigma_D^2 + \sigma_G^2 + \sigma_T^2 + \sigma_{DG}^2 + \sigma_{DT}^2} \tag{20}$$

As one can see from the equation, if $sigma_D^2 + \sigma_G^2 + \sigma_{DG}^2$ is large, then this correlation will be near one, indicating that the results from sampled tanks are very good descriptions for the unsampled tanks. A correlation near one also indicates that all tanks in a group have the same TOC distribution.

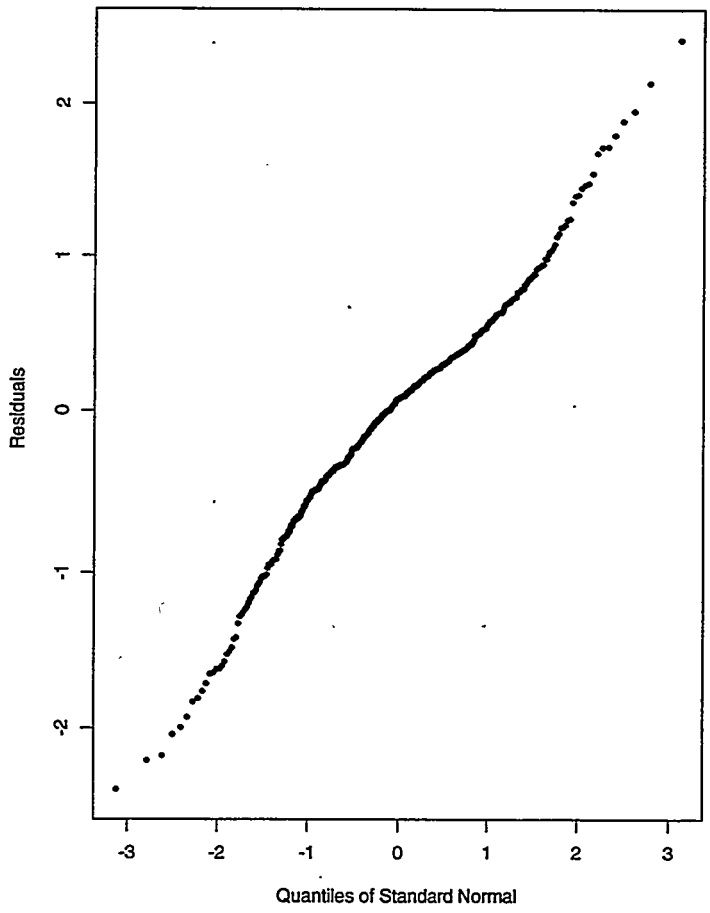
The within group correlation is 26%. This correlation is different from zero, indicating that the grouping is useful. However, we would expect a value above 70% for a truly effective grouping.

The logistic-mean TOC for all sampled tanks, μ, is estimated as $\mu = -4.06$, which translates into a concentration of 0.34%. One can see that, on average, the TOC in the Hanford single-shell tanks is very low. If the waste were homogeneous, no combustible waste would exist in these tanks.

The ANOVA table contains a fairly large tank-to-tank variability of $\sigma_T^2 = 0.56$. In previous evaluations, this number was much lower. The addition of more tanks to the database increased this variability. It is also important to note that the terms involving waste

layers (σ_D and σ_{DG}) are zero, indicating that there is no difference between surface and sub-surface dry-TOC, an important observation.

Figure 2: QQ Plot of Dry-TOC ANOVA Residuals verses. Normal



The ANOVA model assumes that the data is logistic-normally distributed, and this assumption is quite important in calculating the combustible waste fractions. Figure 2 presents a QQ plot of the ANOVA residuals to check the hypothesis of logistic-normality. These residuals are from logistic-transformed data, so they should be normally distributed if the assumption is correct. When the residuals are normally distributed, the QQ plot should produce roughly a straight line. As one can see, this is largely the case, except for a "bump" in the middle of the distribution.

The distribution tails seem to fit a logistic normal distribution quite well. The fit of the logistic-normal distribution to the right-hand tail of the distribution is particularly important because the CWF calculation relies on this portion of the distribution. The fact that there seem to be no "outlier" data-points is reassuring.

The bump in the middle of Figure 2 gives some indication that the distribution may be

composed of a mixture of two populations with different sigmas. Figures 3 to 13 also suggest the same possibility. The dry-TOC data within each layer in each tank are plotted in these figures as solid dots. From these figures, there is some evidence that there are two groups of tanks: one, such as A-101 and AX-101, has smaller within-layer spatial variability than the other, represented for example by S-107 and SX-101.

This difference in spatial variabilities is perhaps the greatest weakness with the existing model. We considered modifications on the existing model to rectify the problem, but it isn't clear some of the modifications would result in a model that is mathematically intractable. The most obvious modification would be to introduce a grouping variable that separated the high variance tanks from the low variance tanks. However, because the model has to be applied to both sampled and unsampled tanks, the grouping can't be on the basis of existing TOC data; it must rely on historical information available for each tank.

The ANOVA also predicts the logistic means for the two layers in each tank. These predictions are also presented graphically as open circles in Figures 3 to 13. The figures list tanks by TOC groups, with the group mean identified by the solid line on each plot. Of course, these predictions have uncertainties associated with them and this is represented in the plots by square brackets, which identify the 95% bounds on the prediction (the prediction is represented by the open circle).

The figures also present the data used in the ANOVA fit; this data is represented on the plots as solid dots. Each data point in the plot is actually the average of all raw data (usually sample/duplicate measurements) from a single location. Thus, the scatter of the data points represents the spatial variability of dry-TOC within the defined layer. The dry-TOC data used in this fit is also listed in Appendix A, for the reader's reference.

As one can see from the plots, the ANOVA basically computes a layer estimate by averaging existing data on the logistic scale. If the layer has only one or two data points, this estimate might deviate from the simple logistic mean, because the ANOVA includes the group mean in the averaging process. One can also see a substantial difference in confidence bound widths on the plots. Layers that have data can have confidence bounds that are about an order of magnitude smaller than layers without data.

Another way to check the model fit is to look at the plot of observed dry-TOC verses. fitted dry-TOC, and if the points cluster closely around the 45 degree line, it is an indication that the fit is good. Figure 14 shows such a plot and it can be seen that the fit is reasonable.

Figure 3: Dry-TOC ANOVA Results: High Group, Tanks A-101 to SX-101

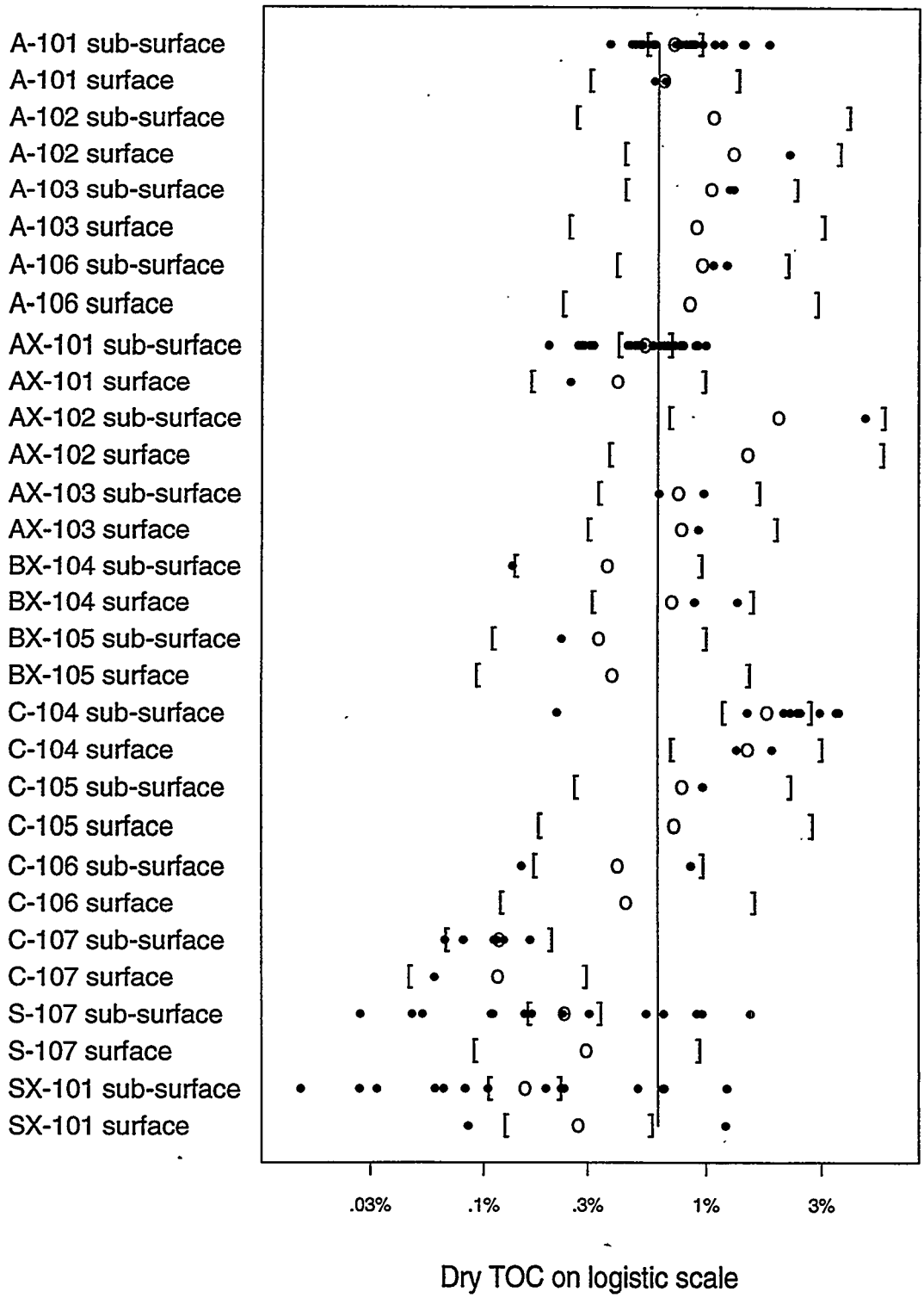


Figure 4: Dry-TOC ANOVA Results: High Group, Tanks SX-106 to U0-111

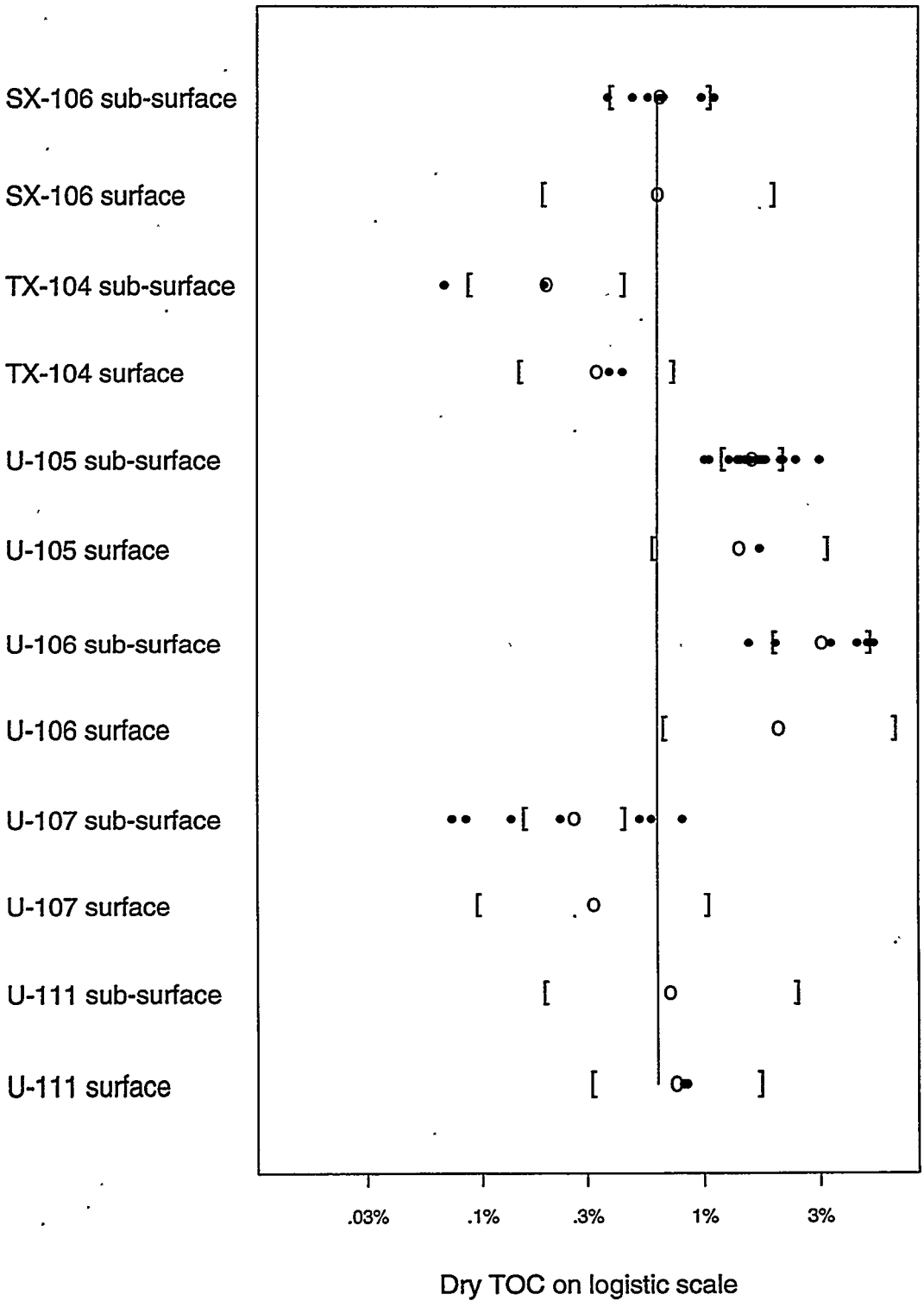


Figure 5: Dry-TOC ANOVA Results: Medium Group, Tanks B-109 to U-103

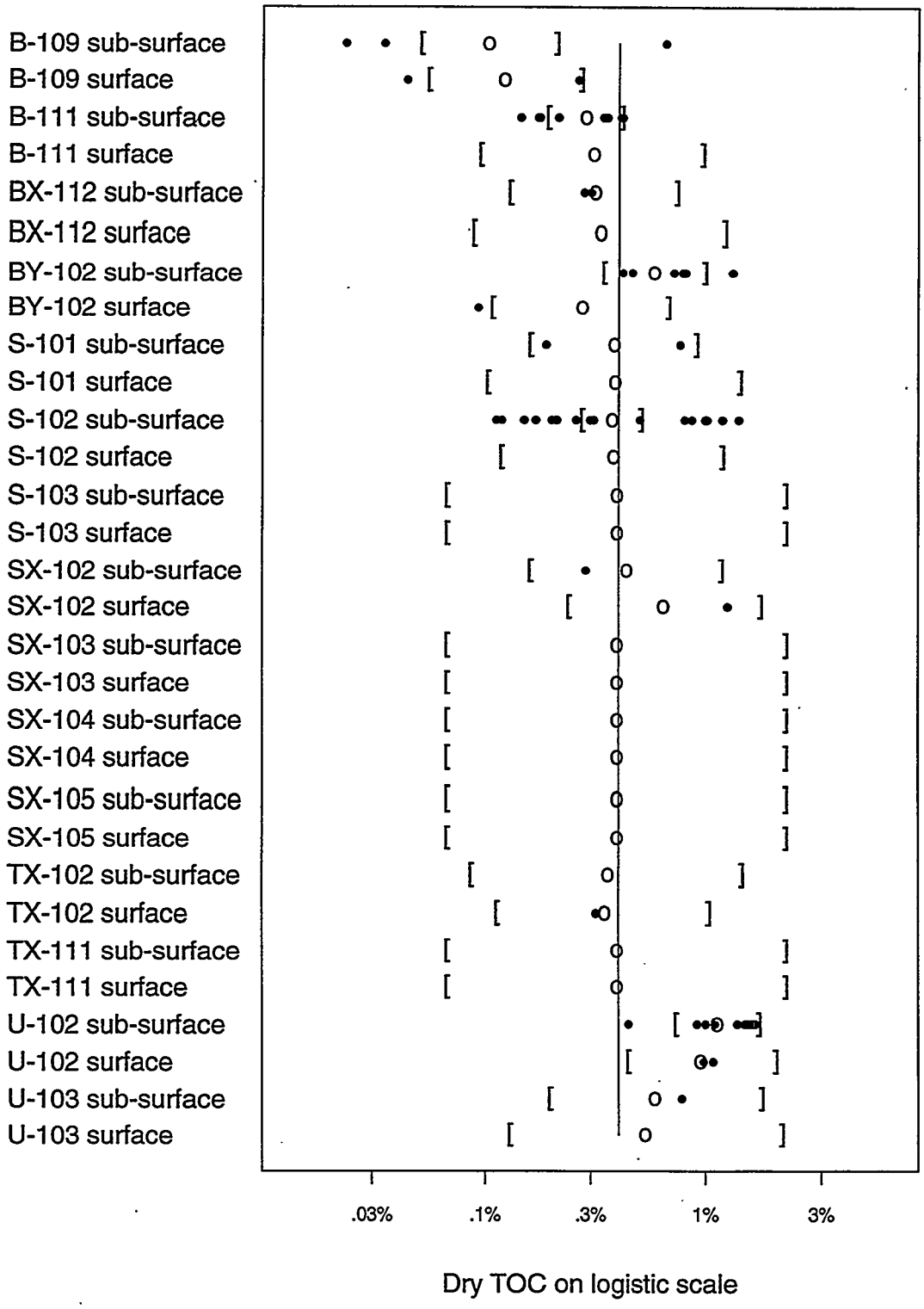


Figure 6: Dry-TOC ANOVA Results: Medium Group, Tanks U-108 and U-109

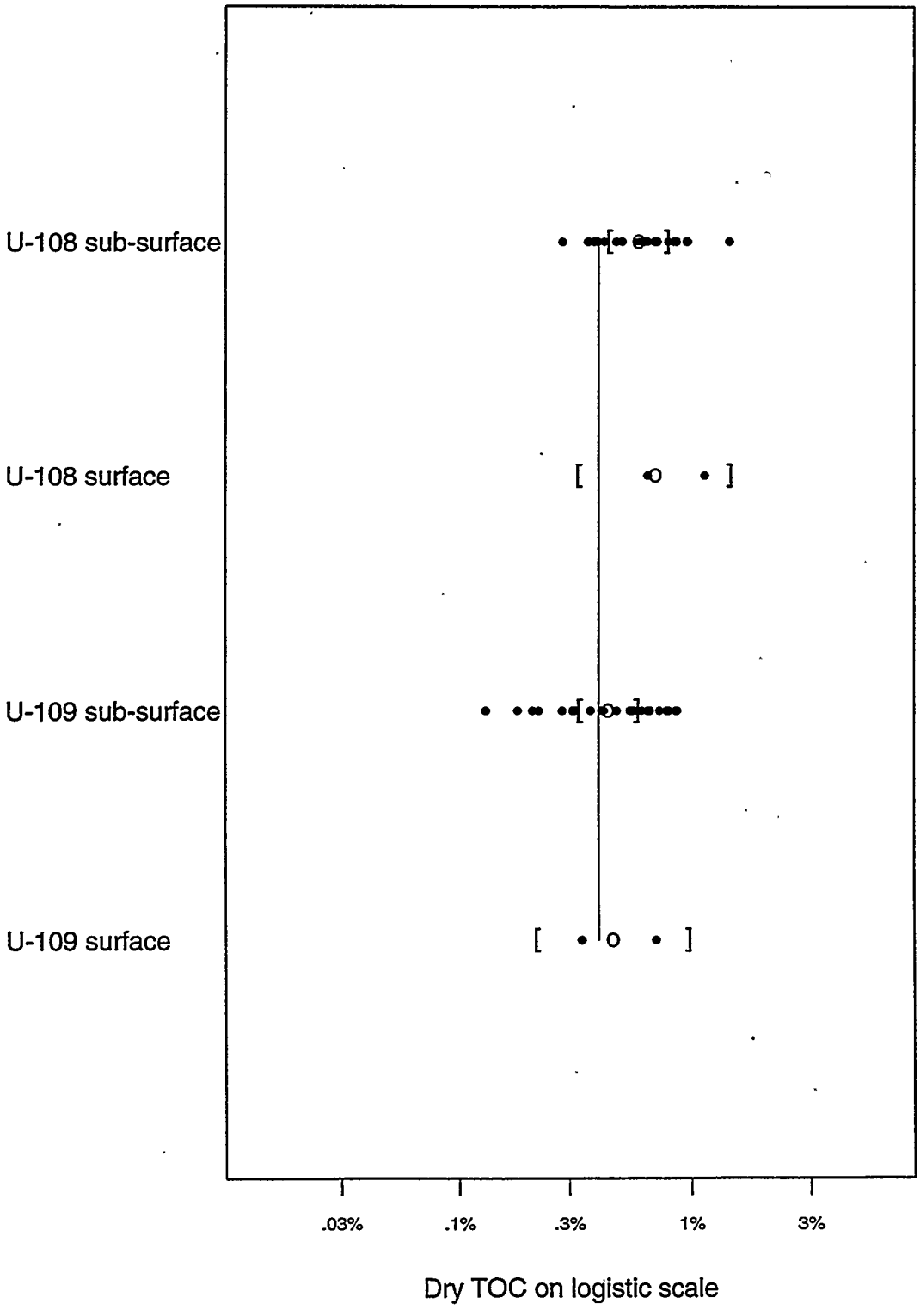


Figure 7: Dry-TOC ANOVA Results: Low Group, Tanks A-104 to BX-107

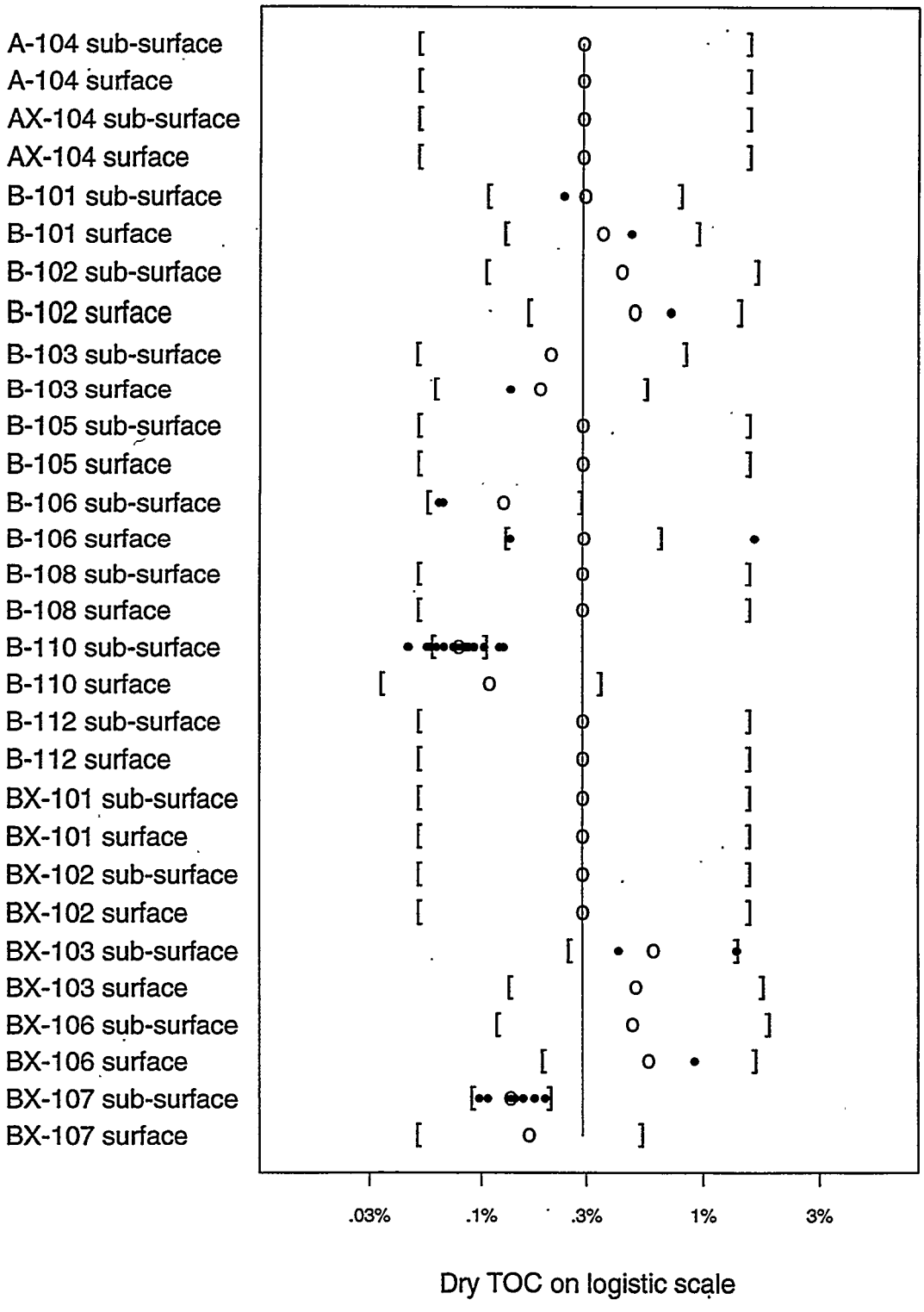


Figure 8: Dry-TOC ANOVA Results: Low Group, Tanks BX-108 to BY-112

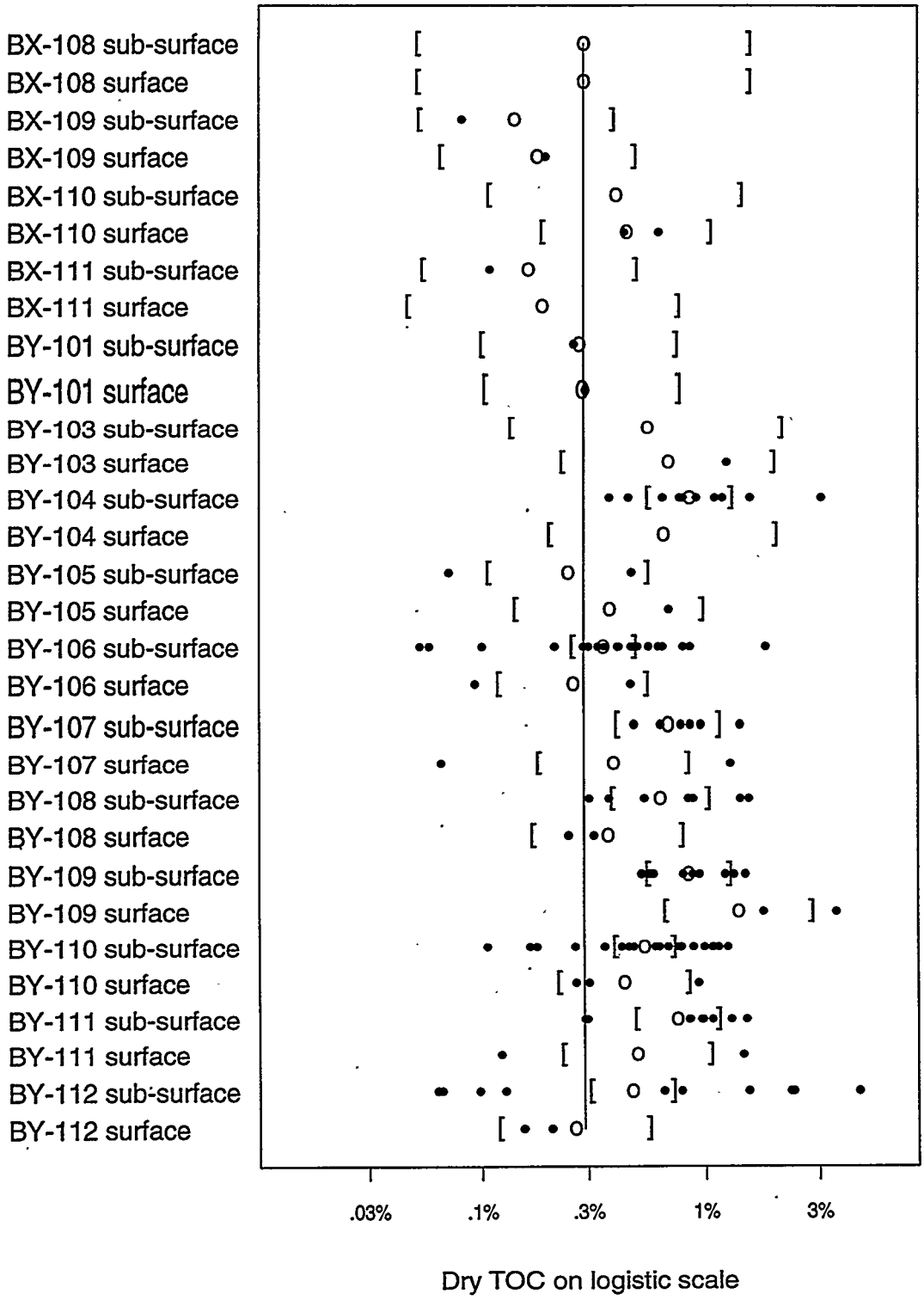


Figure 9: Dry-TOC ANOVA Results: Low Group, Tanks C-108 to SX-111

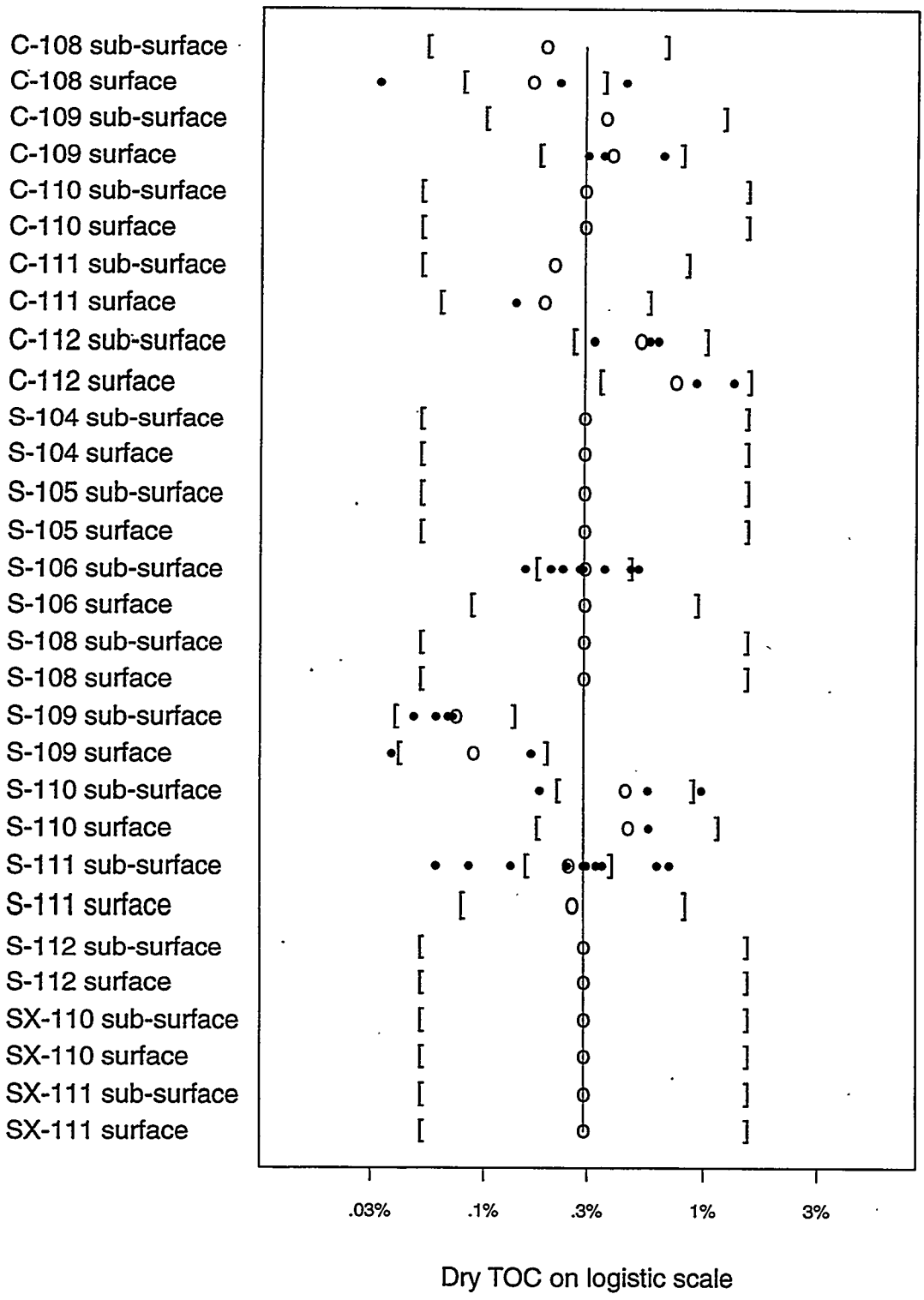


Figure 10: Dry-TOC ANOVA Results: Low Group, Tanks SX-114 to T-202

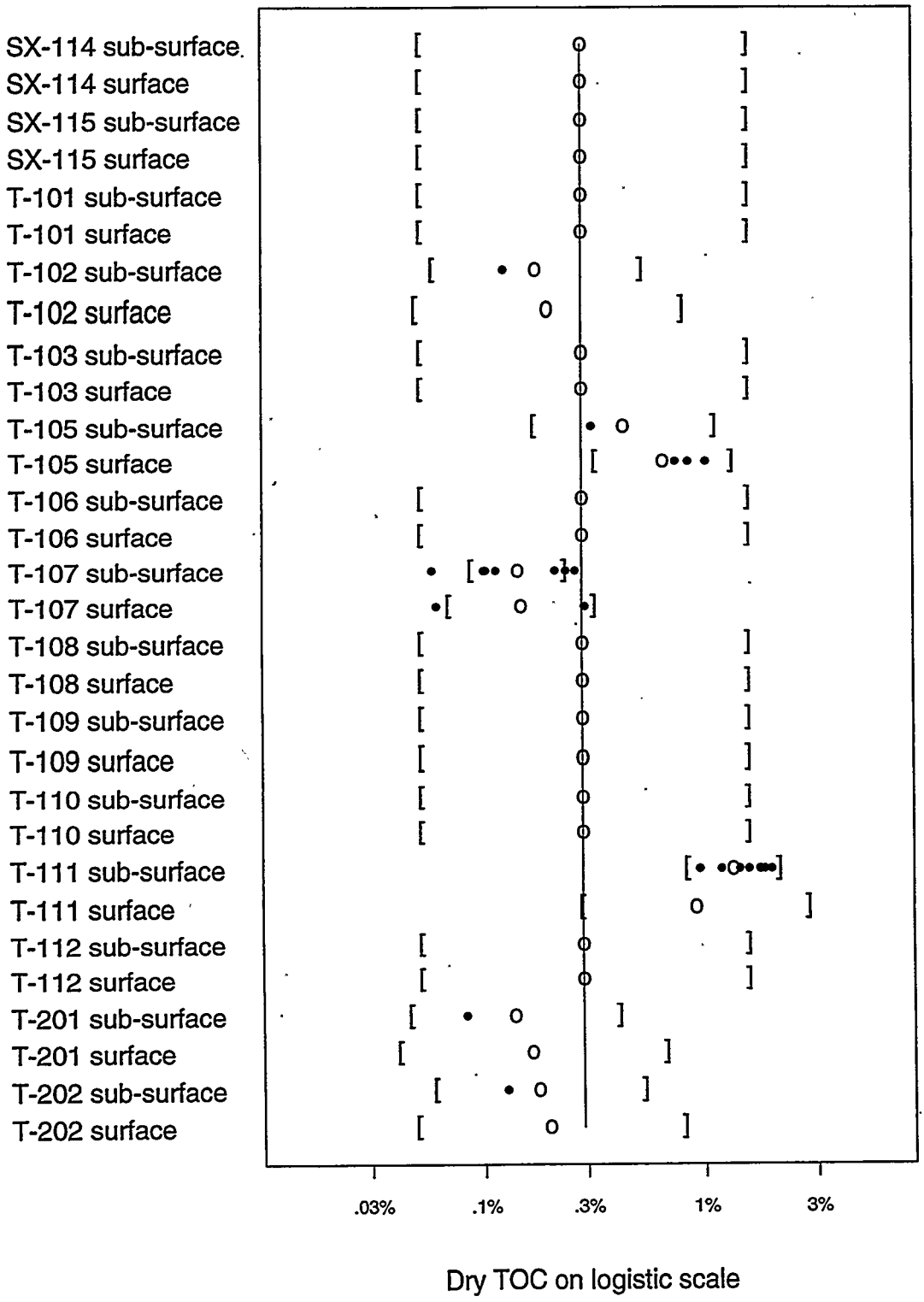


Figure 11: Dry-TOC ANOVA Results: Low Group, Tanks T-203 to TX-116

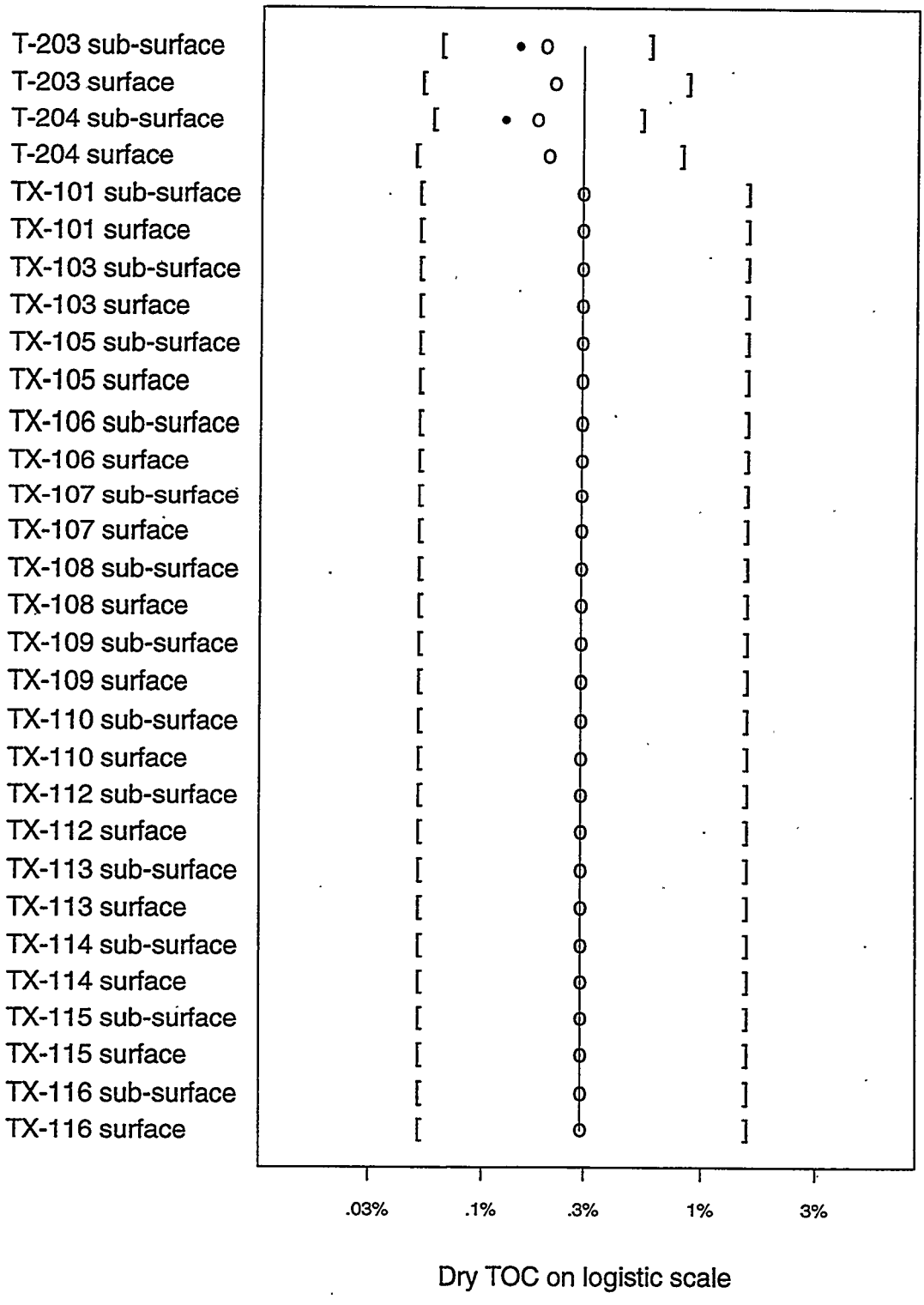


Figure 12: Dry-TOC ANOVA Results: Low Group, Tanks TW-117 to U-204

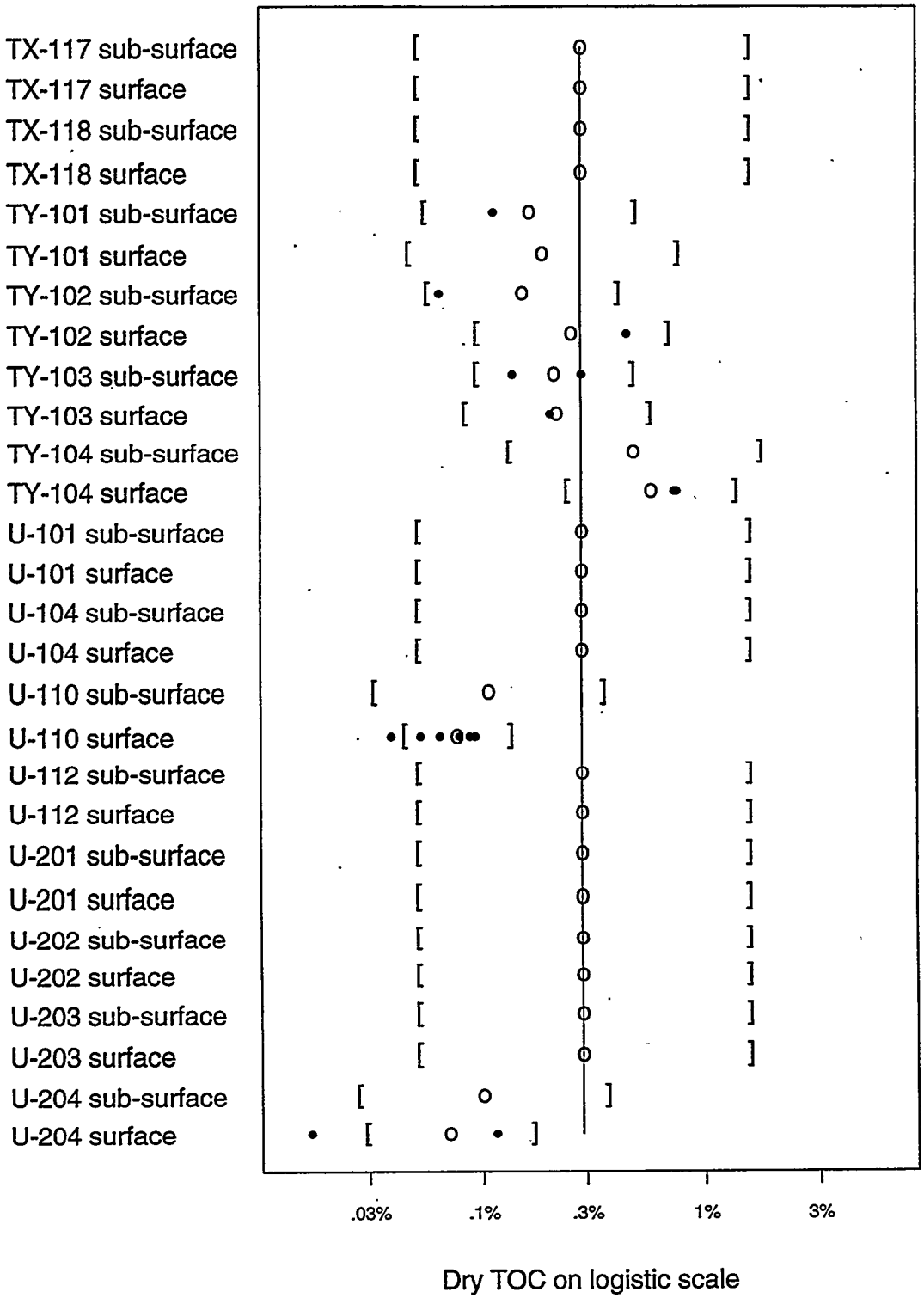
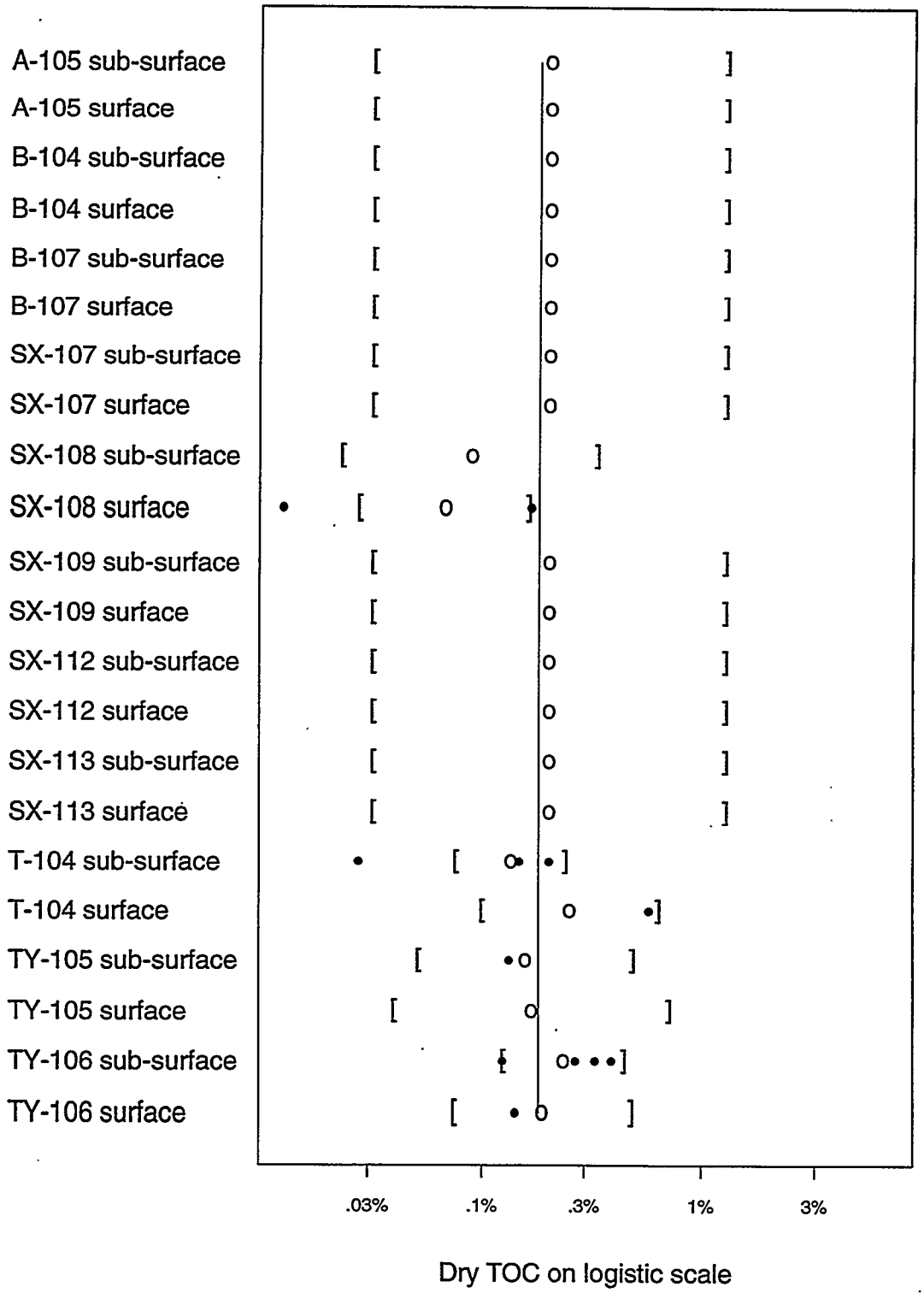


Figure 13: Dry-TOC ANOVA Results: Non-TOC Group, Tanks A-105 to TY-106



4.2 Calculation of Dry CWF's

The ANOVA results presented in the last section were used to calculate the dry CWF's. This section presents the best estimates (medians) for these fractions, as well as their upper 95% bounds. These fractions were then used to screen tanks into pass/fail categories. The current screening criterion is that if the upper 95% bound is less than 5% CWF, then the tank is considered to pass, otherwise it is considered to fail.

The ANOVA estimate $\hat{\sigma}_e^2$ is actually composed of within layer spatial variability of the dry-TOC as well as some measurement errors in the (H_2O, TOC) measurements. To determine how much of this variance is due to measurement errors, we used the replicate measurements of (H_2O, TOC), such as primary, duplicate and/or triplicate, at locations where such replicate measurements were available in the database, to calculate the relative standard deviation, (RSD). The distributions (CDF) of these RSD's for H_2O and TOC are plotted in Figure 15. From this figure, it can be seen that the medians of the distributions are about 20%. In the dry CWF calculations, we subtract 10% RSD from the ANOVA estimated $\hat{\sigma}_e$ to get the estimated within-layer spatial variability. We use 10% because this is the stated accuracy for the laboratory procedures.

Table 9: Failing Combustible Waste Fractions

		#	Dry-TOC Est. (%)		Dry CWF (%)	
Tank	Grp	Obs	Surf	Sub-Surf	Median	Upper 95
U-106	h	8	2.074	3.061	24.6	44.2
AX-102	h	1	1.501	2.024	7.3	40.9
A-102	h	1	1.306	1.073	2.5	22.6
C-104	h	11	1.5	1.816	6.8	16.1
A-103	h	2	0.908	1.049	1.1	9.8
U-105	h	22	1.426	1.611	4.9	9.6
T-111	l	8	0.923	1.34	2.6	8.3
U-111	h	2	0.757	0.711	0.2	8.3
A-106	h	2	0.853	0.965	0.9	8.3
C-105	h	1	0.734	0.791	0.4	7.8
BY-103	l	1	0.69	0.557	0.1	5.4

Table 9 lists the failing tanks from the dry-CWF calculations. There are 11 such tanks, and they are listed in order of the 95% bound on estimated CWF. Tank U-106 has the largest CWF, with a best estimate of 25% and an upper 95% estimate of 44%. A tank with a CWF as high as this is an obvious failure .

On the other hand, there are several tanks that are "close to" the pass/fail CWF threshold of 5% (BY-103, C-105, A-106, U-111, T-111), and their categorization is more ambiguous. A small change in assumptions (such as the completeness of dry-out) or in the existing data could change their status. It should be noted that there are also several tanks just below

Figure 14: Fitted verses Observed Dry-TOC

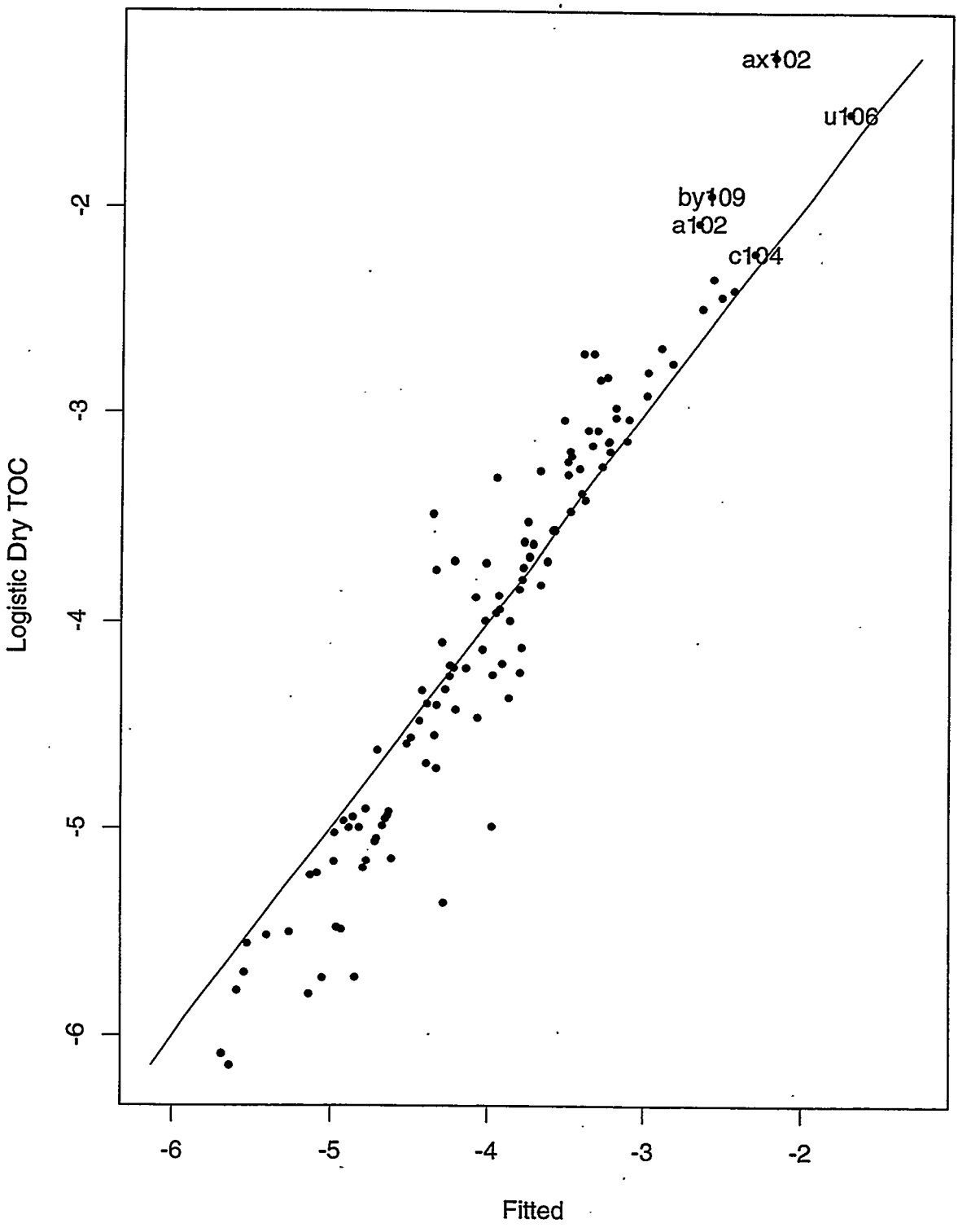
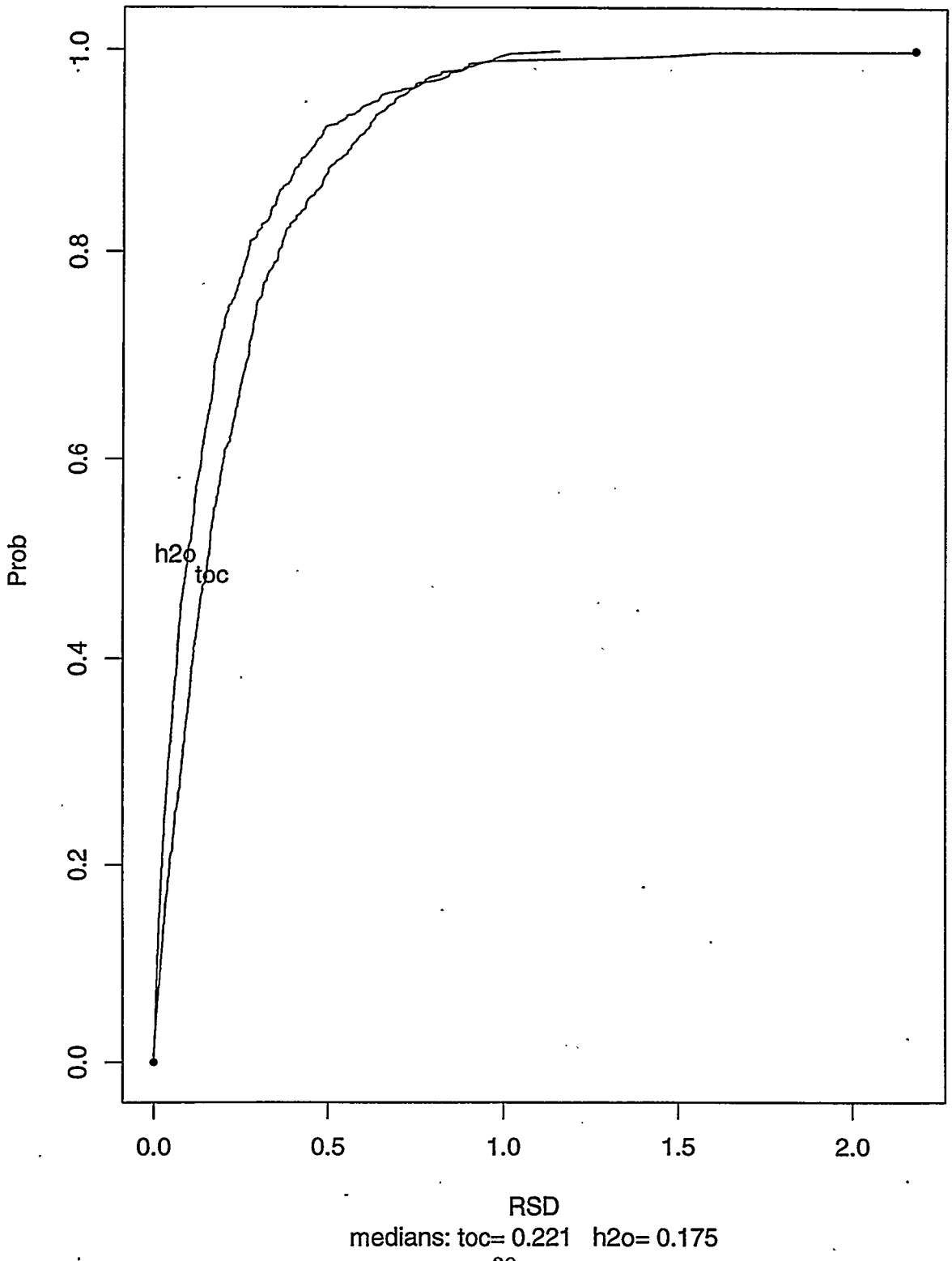


Figure 15: RSD Distributions for measurement error



the 5% threshold that might move onto the list of failures with a slight change in data or assumptions.

In previous evaluations, the list of failed tanks has indeed changed as the data changed, with the alterations occurring for "boundary" tanks. Such ambiguities are unavoidable when one is required to use a specific pass/fail threshold.

Table 10 presents the median and upper bounds on the dry CWF's for all relevant tanks. The fractions' upper bounds are compared to the 5% screening threshold and those that are below 5% are marked with a P (Pass), while those above are marked with an F (Fail). Note that no CWF estimates are presented in the table for the "special" tanks.

This screening is a first step in final categorization of the tanks. Tanks that fail this CWF criterion may be judged safe because of other information. One column in the table "grp" also identifies the TOC group that the tank belongs to. The TOC groups are: h=High, m=Medium, l=low, n=NonTOC, and s=Special.

To better understand the results and see if they make intuitive sense, we can plot the dry CWF's against dry-TOC's for all the tanks. Figure 16 is such a plot, and it shows that higher dry-TOC corresponds to higher dry CWF.

We also used a regression analysis to summarize the results. Intuitively we know that higher dry-TOC should result in higher dry CWF; and also higher uncertainty in the estimate of dry-TOC should result in a higher 95% upper bound of dry CWF. We regress the upper 95% bound of dry CWF on the dry-TOC ANOVA mean and uncertainty, and plot the result in Figure 17. This figure shows a good regression relationship between dry CWF and the dry-TOC and the predictor variables. This further confirms that the dry CWF results make sense, and we can actually use this regression model to predict the dry CWF in tanks. The prediction is good to a factor of two. The prediction equation is;

$$\text{Dry CWF} = 3.81\hat{\mu}_{toc} + 3.23SD(\hat{\mu}_{toc}) \tag{21}$$

Table 10: Dry CWF Estimates, %

			Dry CWF					Dry CWF	
Tank	Grp	Status	Median	Upper 95	Tank	Grp	Status	Median	Upper 95
A-101	h	P	0.2	0.6	A-102	h	F	2.5	22.6
A-103	h	F	1.1	9.8	A-104	l	P	0	1.9
A-105	n	P	0	0.7	A-106	h	F	0.9	8.3
AX-101	h	P	0.1	0.2	AX-102	h	F	7.3	40.9
AX-103	h	P	0.4	3.6	AX-104	l	P	0	1.6
B-101	l	P	0	0.2	B-102	l	P	0.1	2
B-103	l	P	0	0.1	B-104	n	P	0	0.7
B-105	l	P	0	1.6	B-106	l	P	0	0
B-107	n	P	0	0.7	B-108	l	P	0	1.8
B-109	m	P	0	0	B-110	l	P	0	0
B-111	m	P	0	0	B-112	l	P	0	1.8
B-201	s	NA	NA	NA	B-202	s	NA	NA	NA

Table 10: Dry CWF Estimates, %

Tank	Grp	Status	Dry CWF Median	Dry CWF Upper 95	Tank	Grp	Status	Dry CWF Median	Dry CWF Upper 95
B-203	s	NA	NA	NA	B-204	s	NA	NA	NA
BX-101	l	P	0	1.8	BX-102	l	P	0	1.8
BX-103	l	P	0.1	2.3	BX-104	h	P	0.1	0.9
BX-105	h	P	0	1.1	BX-106	l	P	0.1	3.2
BX-107	l	P	0	0	BX-108	l	P	0	1.7
BX-109	l	P	0	0	BX-110	l	P	0	1.4
BX-111	l	P	0	0	BX-112	m	P	0	0.2
BY-101	l	P	0	0.1	BY-102	m	P	0.1	0.6
BY-103	l	F	0.1	5.4	BY-104	l	P	0.5	1.9
BY-105	l	P	0	0	BY-106	l	P	0	0
BY-107	l	P	0.2	1	BY-108	l	P	0.1	0.7
BY-109	l	P	0.7	2.1	BY-110	l	P	0.1	0.2
BY-111	l	P	0.3	1.1	BY-112	l	P	0	0.2
C-101	s	NA	NA	NA	C-102	s	NA	NA	NA
C-103	s	NA	NA	NA	C-104	h	F	6.8	16.1
C-105	h	F	0.4	7.8	C-106	h	P	0	0.6
C-107	h	P	0	0	C-108	l	P	0	0
C-109	l	P	0	0.6	C-110	l	P	0	1.7
C-111	l	P	0	0.1	C-112	l	P	0.1	1
C-201	s	NA	NA	NA	C-202	s	NA	NA	NA
C-203	s	NA	NA	NA	C-204	s	NA	NA	NA
S-101	m	P	0	0.4	S-102	m	P	0	0.1
S-103	m	P	0	4.8	S-104	l	P	0	1.6
S-105	l	P	0	1.6	S-106	l	P	0	0
S-107	h	P	0	0	S-108	l	P	0	1.6
S-109	l	P	0	0	S-110	l	P	0	0.4
S-111	l	P	0	0	S-112	l	P	0	1.6
SX-101	h	P	0	0	SX-102	m	P	0	0.9
SX-103	m	P	0	4.9	SX-104	m	P	0	4.9
SX-105	m	P	0	4.9	SX-106	h	P	0.2	0.9
SX-107	n	P	0	0.8	SX-108	n	P	0	0
SX-109	n	P	0	0.7	SX-110	l	P	0	1.9
SX-111	l	P	0	1.7	SX-112	n	P	0	0.8
SX-113	n	P	0	0.8	SX-114	l	P	0	1.7
SX-115	l	P	0	1.6	T-101	l	P	0	1.8
T-102	l	P	0	0.1	T-103	l	P	0	1.6
T-104	n	P	0	0	T-105	l	P	0.1	0.9
T-106	l	P	0	1.6	T-107	l	P	0	0
T-108	l	P	0	1.8	T-109	l	P	0	1.9

Table 10: Dry CWF Estimates, %

Tank	Grp	Status	Dry CWF Median	Dry CWF Upper 95	Tank	Grp	Status	Dry CWF Median	Dry CWF Upper 95
T-110	l	P	0	1.6	T-111	l	F	2.6	8.3
T-112	l	P	0	1.9	T-201	l	P	0	0
T-202	l	P	0	0	T-203	l	P	0	0
T-204	l	P	0	0	TX-101	l	P	0	1.8
TX-102	m	P	0	1.3	TX-103	l	P	0	1.7
TX-104	h	P	0	0	TX-105	l	P	0	1.6
TX-106	l	P	0	1.6	TX-107	l	P	0	1.8
TX-108	l	P	0	1.7	TX-109	l	P	0	1.6
TX-110	l	P	0	1.6	TX-111	m	P	0	4.9
TX-112	l	P	0	1.6	TX-113	l	P	0	1.6
TX-114	l	P	0	1.6	TX-115	l	P	0	1.6
TX-116	l	P	0	1.6	TX-117	l	P	0	1.6
TX-118	l	P	0	1.6	TY-101	l	P	0	0
TY-102	l	P	0	0	TY-103	l	P	0	0
TY-104	l	P	0.1	2.2	TY-105	n	P	0	0
TY-106	n	P	0	0	U-101	l	P	0	1.6
U-102	m	P	1.4	4.4	U-103	m	P	0.1	3.4
U-104	l	P	0	1.7	U-105	h	F	4.9	9.6
U-106	h	F	24.6	44.2	U-107	h	P	0	0
U-108	m	P	0.1	0.3	U-109	m	P	0	0.1
U-110	l	P	0	0	U-111	h	F	0.2	8.3
U-112	l	P	0	1.8	U-201	l	P	0	1.9
U-202	l	P	0	1.9	U-203	l	P	0	1.9
U-204	l	P	0	0					

Figure 16: Dry CWF verses Dry-TOC

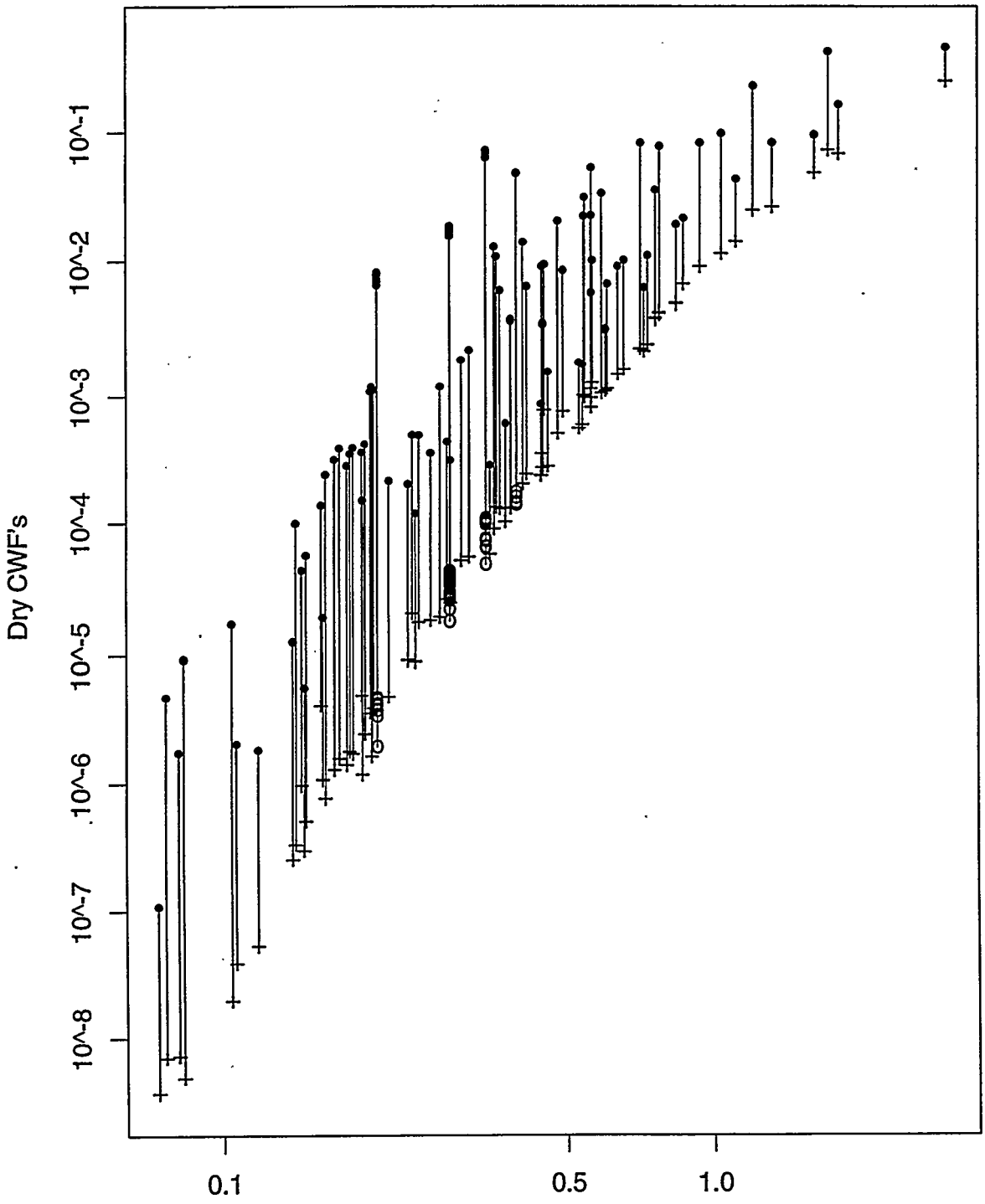
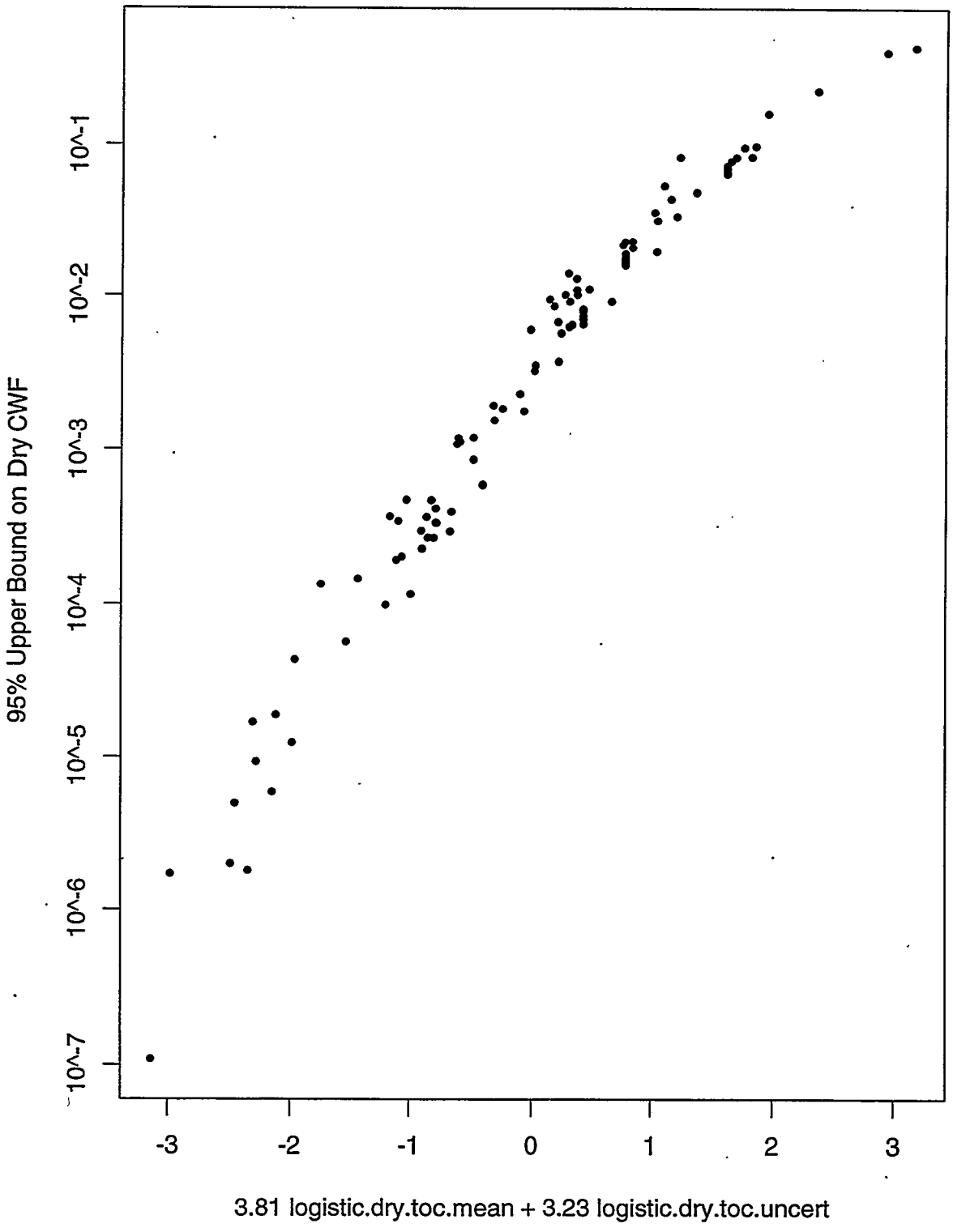


Figure 17: Dry CWF verses Dry-TOC Estimates



5 Estimation Methodology for Wet CWF

5.1 Quantities to be Estimated

The wet CWF calculation resembles the dry CWF calculation discussed in Section 3. However, some of the steps are complicated by the fact that the definition for combustible waste involves both the amount of TOC and H_2O in the waste. This requires the construction of the joint distribution for (H_2O,TOC) for each tank.

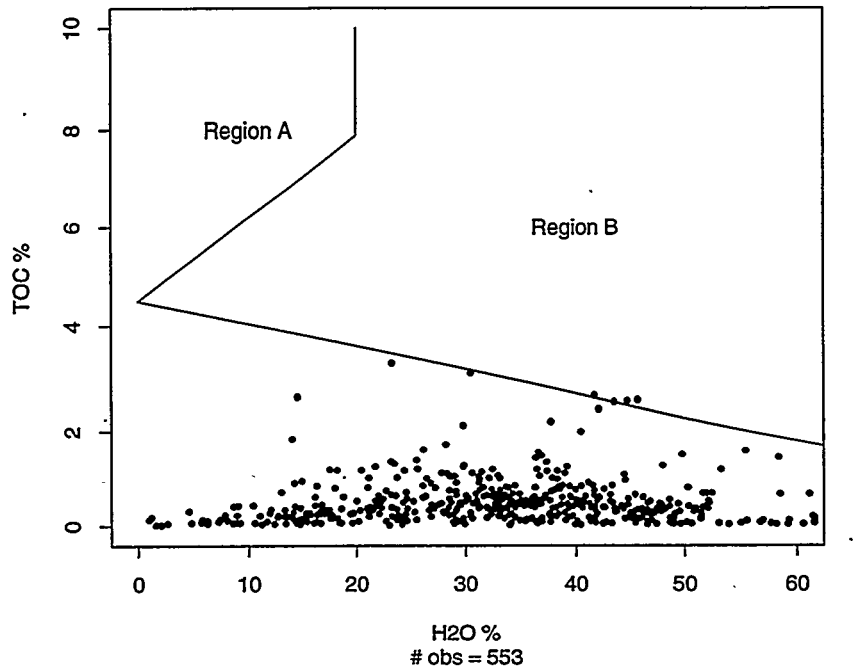
As in the dry CWF calculation, the procedure must produce more than a single point estimate for wet CWF. Bayesian uncertainty distributions are produced to describe how close the the estimate is to the true wet CWF.

The wet combustible waste is defined as waste with (H_2O, TOC) satisfying:

$$TOC > 4.5 + 0.17 \cdot H_2O \ \& \ H_2O < 20 \text{ Wt. } \% \tag{22}$$

We will denote this region in the 2-dimensional space of (H_2O, TOC) as A. Figure 18 illustrates the wet combustible waste region (Region A) as well as the dry combustible waste region ($A + B$) and all the available paired (H_2O, TOC) data from single shell tanks.

Figure 18: Combustible Waste and Data



To estimate the wet CWF for each tank, we must estimate the joint distributions of (H_2O, TOC) for each tank. For the same reasons as discussed in the calculation of dry CWF, a random-effects ANOVA model has been chosen, together with the tank groupings based on

historical information, to estimate this joint distribution. Two ANOVA models, one for H_2O and one for TOC, were fit to H_2O data and TOC data separately. The residuals from the two fits were used to estimate the correlation between H_2O and TOC within a tank, assuming that the correlation between H_2O and TOC is the same for all the tanks. In the ANOVA models, the H_2O or TOC concentrations are assumed to have logistic-normal distributions. Detailed discussion of this assumption of logistic-normal distribution was given in Section 3. The ANOVA procedure, together with the correlation calculation produced an estimated joint distribution of (H_2O, TOC) for each tank. The distribution is a logistic-binormal distribution, i.e., the logistic transformations of H_2O and TOC have a joint normal distribution with ANOVA estimated means and standard deviations, and a common correlation based on residuals of the two ANOVA models.

From the joint distribution of (H_2O, TOC) for each tank, we calculated the wet CWF, R_{wet}, in the tank by integrating the density function of the joint distribution of (H_2O, TOC) over the wet combustible waste region A defined in Equation (22).

As with the dry CWF calculation, this fraction R_{wet} depends on the estimated parameters in the joint distributions while the true parameters are unknown. We use Bayesian uncertainty distributions to assess how close the estimated fraction is to the true one.

The calculations can be summarized in five steps:

1. Perform an ANOVA analysis on H_2O measurements.

2. Perform an ANOVA analysis on TOC measurements.

3. Calculate the correlation between the residuals of the H_2O ANOVA and the TOC ANOVA.

4. The above three steps yield estimated values for all the parameters of the joint distribution of (H_2O, TOC) for each tank. We then calculate the wet CWF for each tank based on this distribution.

5. We finally calculate the Bayesian uncertainty distribution for the wet CWF for each tank to assess how close the estimated fraction is to the true one. The upper 95% quantile on the wet CWF uncertainty distribution is compared to the 5% screening threshold to determine whether or not the tank is currently safe.

5.2 Tank Grouping

For TOC grouping, we used the same groups as used in the dry-TOC calculation. For H_2O grouping, we formed 4 groups according to the waste surface condition (dry or wet) and the predominant waste state (sludge or saltcake). We had 59 tanks in the dry.saltcake group, 40 tanks in the dry.sludge group, 21 tanks in the wet.saltcake group, and 29 tanks in the wet.sludge group. See [14] for more details about these groupings.

5.3 ANOVA Models

The distribution for H_2O or TOC in a tank is assumed to be a logistic-normal distribution. The formula for a logistic transformation is given in Equation (3). For both H_2O and TOC, the minimum bound has been set to $X_{min} = 0$. For H_2O, the maxmum bound has been set to $X_{max} = 100\%$, and for TOC, $X_{max} = 20\%$.

As for the dry-TOC analysis, the ANOVA model for H_2O assumes that (1) the σ_e^2 parameter is the same for all tanks and that (2) the mean, μ, is described by the same random-effect ANOVA formula as in the dry-TOC ANOVA model. The ANOVA model is described by Equation (4). Similar assumptions are made for the TOC ANOVA model. The same procedure is applied here to get the estimated parameters in the H_2O and TOC distributions for each tank.

5.4 Estimation of the Wet Combustible Waste Fraction

We calculate the wet CWF on the surface (top) layer of a tank by:

$$R_{wet.top} = \int_A f_{top}(X_{H_2O}, X_{TOC}) dX_{H_2O} dX_{TOC} \tag{23}$$

where $f_{top}(X_{H_2O}, X_{TOC})$ is the PDF of the joint distribution of (H_2O,TOC) on the top layer.

Similarly, we can calculate wet CWF on the sub-surface (bottom) layer of a tank by:

$$R_{wet.bot} = \int_A f_{bot}(X_{H_2O}, X_{TOC}) dX_{H_2O} dX_{TOC} \tag{24}$$

where $f_{bot}(X_{H_2O}, X_{TOC})$ is the probability density function of (H_2O,TOC) in the sub-surface layer.

Total wet CWF can then be calculated by:

$$R_{wet} = \frac{V_{top}}{V_{top} + V_{bot}} \cdot R_{wet.top} + \frac{V_{bot}}{V_{top} + V_{bot}} \cdot R_{wet.bot} \tag{25}$$

where V_{top} and V_{bot} are waste volumes in top layer and bottom layer for the tank.

As can be seen, R_{wet} depends on the estimated values of parameters μ and σ_e^2. There is substantial uncertainty in such an estimate. We actually desire to calculate the posterior (uncertainty) distribution of R_{wet} for each tank. This is discussed in the next section.

5.5 Calculation of Uncertainty Distributions

The ANOVA estimation method produces approximate posterior distributions for the parameters μ_{ijk} and $\sigma_{ijk}^2 = \sigma_e^2$ for H_2O and TOC, just as it did in the dry calculation. The posterior distributions are approximated by Equation (18). The posterior distributions describe the uncertainty in the parameters μ and σ_e^2 of the (H_2O,TOC) joint distribution. As mentioned earlier, R_{wet} is a function of μ and σ_e^2. Thus we can conceivably get a posterior distribution of R_{wet} that reflects the uncertainty associated with the estimated values of the parameters, through the posterior distribution of (μ, σ_e^2). However, it is not easy to directly

calculate such a posterior distribution of R_{wet}. Therefore, we use Monte Carlo methods to estimate this distribution.

For each layer i ($i = 1$ represents top layer, $i = 2$ represents bottom layer) in tank jk, the Monte Carlo method is carried out in the following steps:

1. Generate 1000 random values of $\sigma^2_{ijk.h2o} = \sigma^2_{e.h2o}$ according to

$$\sigma^2_{e.h2o} \sim \frac{dof \cdot \hat{\sigma}^2_{e.h2o}}{\chi^2_{dof}} \tag{26}$$

   where $\hat{\sigma}^2_{e.h2o}$ is from the H_2O ANOVA fit, dof is the degrees of freedom, and χ^2_{dof} is the χ^2 distribution with degrees of freedom $= dof$.

2. Generate 1000 random values of $\sigma^2_{ijk.toc} = \sigma^2_{e.toc}$ according to

$$\sigma^2_{e.toc} \sim \frac{dof \cdot \hat{\sigma}^2_{e.toc}}{\chi^2_{dof}} \tag{27}$$

   where $\hat{\sigma}^2_{e.toc}$ is from the TOC ANOVA fit, dof is the degrees of freedom, and χ^2_{dof} is the χ^2 distribution with degrees of freedom $= dof$. Note that the dof from the TOC ANOVA fit could be different from the dof from the H_2O ANOVA fit.

3. Generate 1000 random values of $\mu_{ijk.h2o}$ according to

$$\mu_{ijk.h2o} \sim N(\hat{\mu}_{ijk.h2o}, \hat{A}_{ijk.h2o}) \tag{28}$$

   where $\hat{\mu}_{ijk.h2o}$ is the mean and $\hat{A}_{ijk.h2o}$ the covariance from the H_2O ANOVA fit.

4. Generate 1000 random values of $\mu_{ijk.toc}$ according to

$$\mu_{ijk.toc} \sim N(\hat{\mu}_{ijk.toc}, \hat{A}_{ijk.toc}) \tag{29}$$

   where $\hat{\mu}_{ijk.toc}$ and $\hat{A}_{ijk.toc}$ are from the TOC ANOVA fit.

5. Use a Latin hypercube design, i.e. for tank jk, randomly mix up the above σ's and μ's to form 1000 vectors of the form:

$$(\sigma^2_{1jk.h2o}, \sigma^2_{2jk.h2o}, \sigma^2_{1jk.toc}, \sigma^2_{2jk.toc}, \mu_{1jk.h2o}, \mu_{2jk.h2o}, \mu_{1jk.toc}, \mu_{2jk.toc}). \tag{30}$$

   For each such vector, calculate one R_{wet} by formulas (23), (24) and (25). So the result is 1000 values of R_{wet} for each tank jk.

These 1000 values of R_{wet} produce an approximation of the uncertainty distribution of the true R_{wet} for tank jk.

6 Results of the Wet CWF Calculation

6.1 ANOVA Fit to H_2O Data

We summarize the H_2O ANOVA fit results in Table 11. As in the dry-TOC ANOVA analysis, we can calculate the within-group correlation, which measures how well the model predicts H_2O in unsampled tanks. This correlation is 16%, which shows that the moisture grouping isn't very effective. The logistic-mean H_2O for all sampled tanks, μ, is estimated as $\mu = -0.544$, which translates into a concentration of 37%.

Table 11: ANOVA Table For H_2O

Variance Component	ANOVA Estimate	Approx. RSD (%)
σ_D^2	0	0 %
σ_G^2	0.098	31 %
σ_T^2	0.574	76 %
σ_{DG}^2	0.021	14 %
σ_{DT}^2	0.063	25 %
σ_E^2	0.264	51 %

The ANOVA table contains a fairly large tank-to-tank variability of $\sigma_T^2 = 0.57$, while most of the other components are small. It is interesting to note that the terms involving tank layers (σ_D, σ_{DG}, and σ_{DT}) are all small. One would expect to see large differences between surface and sub-surface moisture, which would result in large tank layer variabilities.

Figure 19 presents a QQ plot of the ANOVA residuals verses a standard normal quantiles to check the hypothesis of logistic-normality. These residuals are from logistic-transformed data, so they should be normally distributed if the assumption is correct. The plot has a similar shape to Figure 2, and the discussion concerning Figure 2 in Section 4 is also valid for this plot.

Figure 31 shows the plot of fitted H_2O values verses observed ones. From this plot, it can be seen that the ANOVA estimation procedure produces reasonable results.

As with the dry-TOC ANOVA, we also plot the H_2O ANOVA results in Figures 20 to 30. The H_2O data used in this fit is listed in Appendix A for the reader's reference.

Figure 19: QQ Plot of H_2O ANOVA Residuals vs. Normal

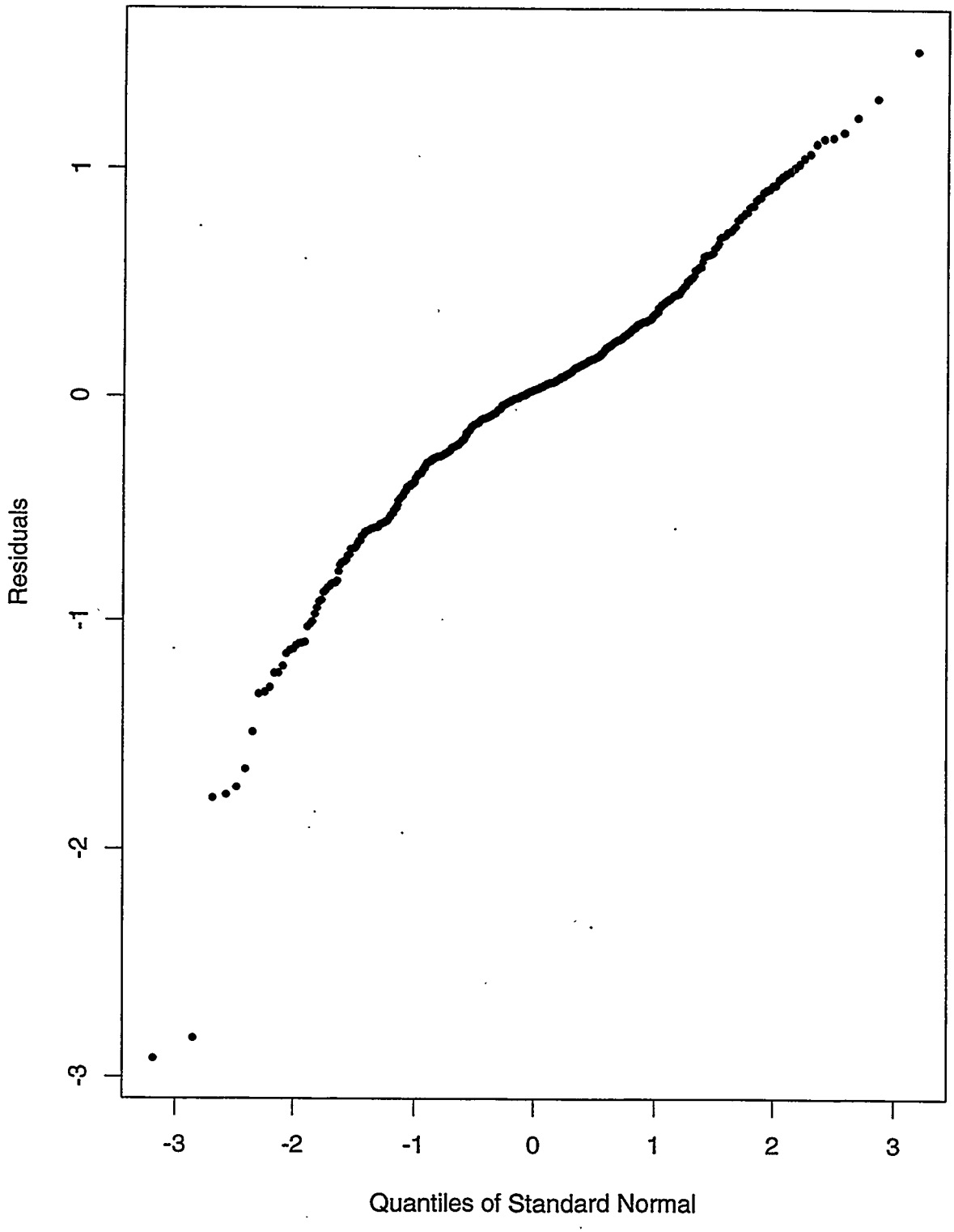


Figure 20: H_2O ANOVA Results: Dry Saltcake Group, Tanks A-101 to BY-103

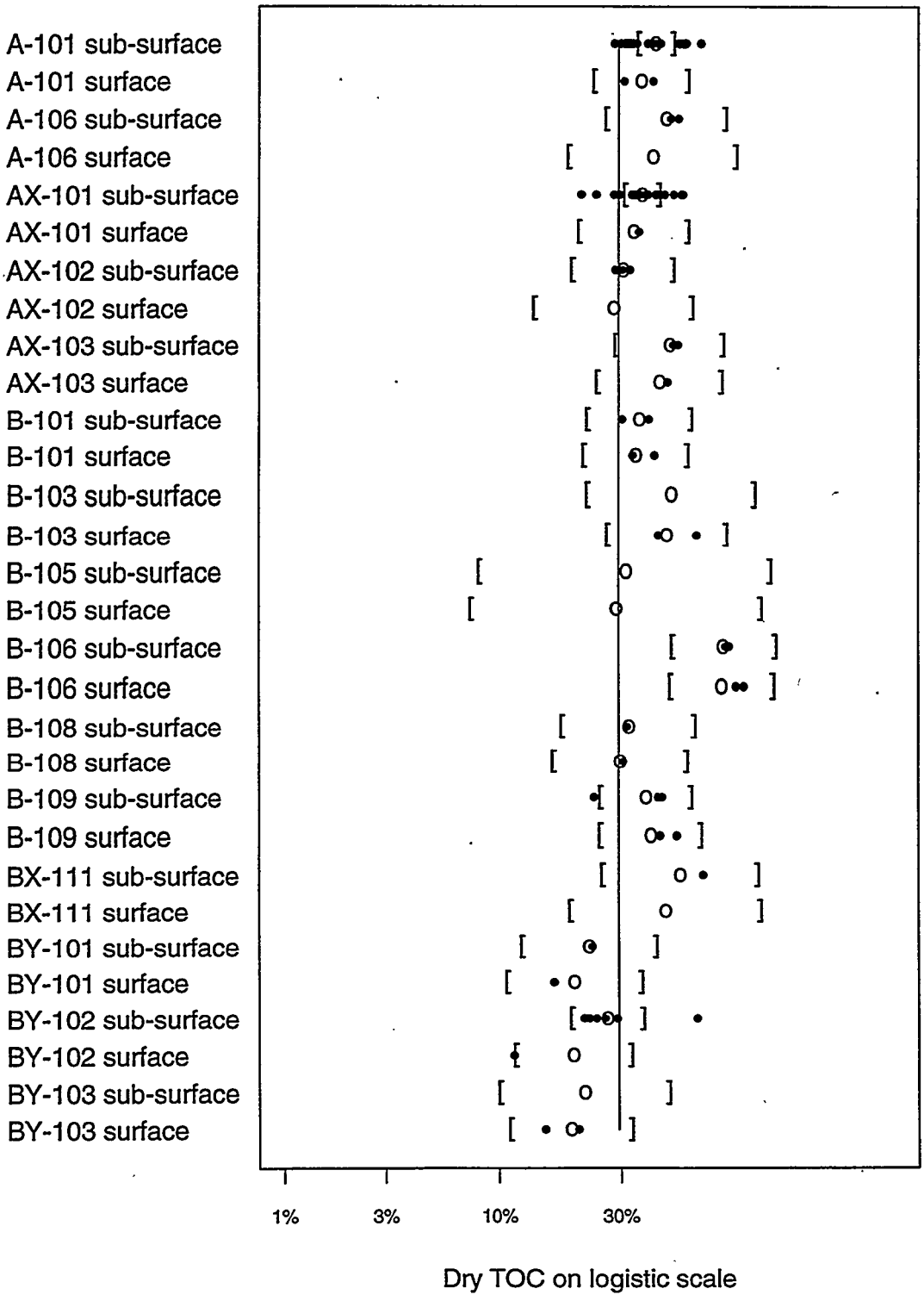


Figure 21: H_2O ANOVA Results: Dry Saltcake Group, Tanks BY-104 to S-112

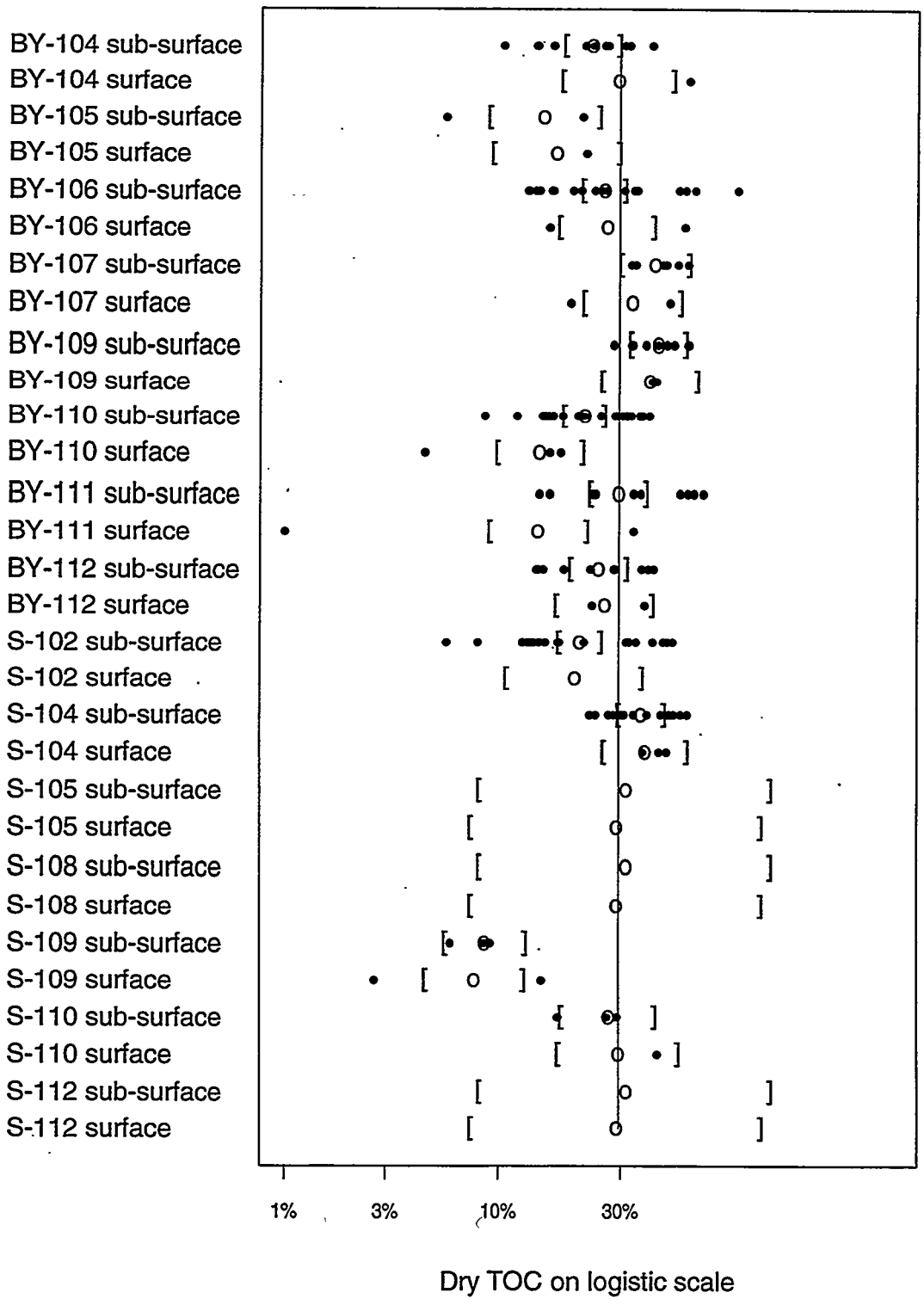


Figure 22: H_2O ANOVA Results: Dry Saltcake Group, Tanks SX-103 to TX-106

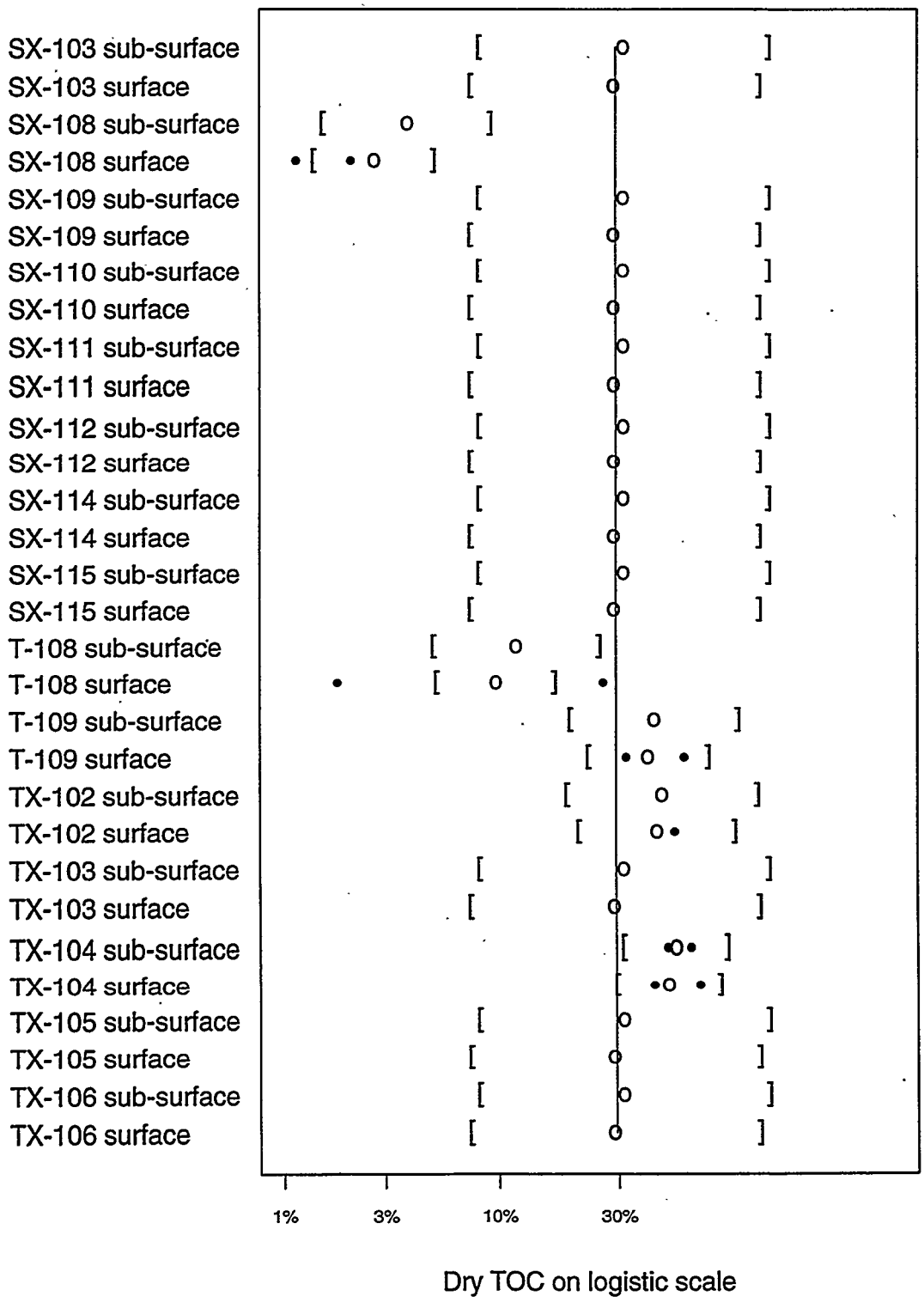


Figure 23: H_2O ANOVA Results: Dry Saltcake Group, Tanks TX-107 to U-111

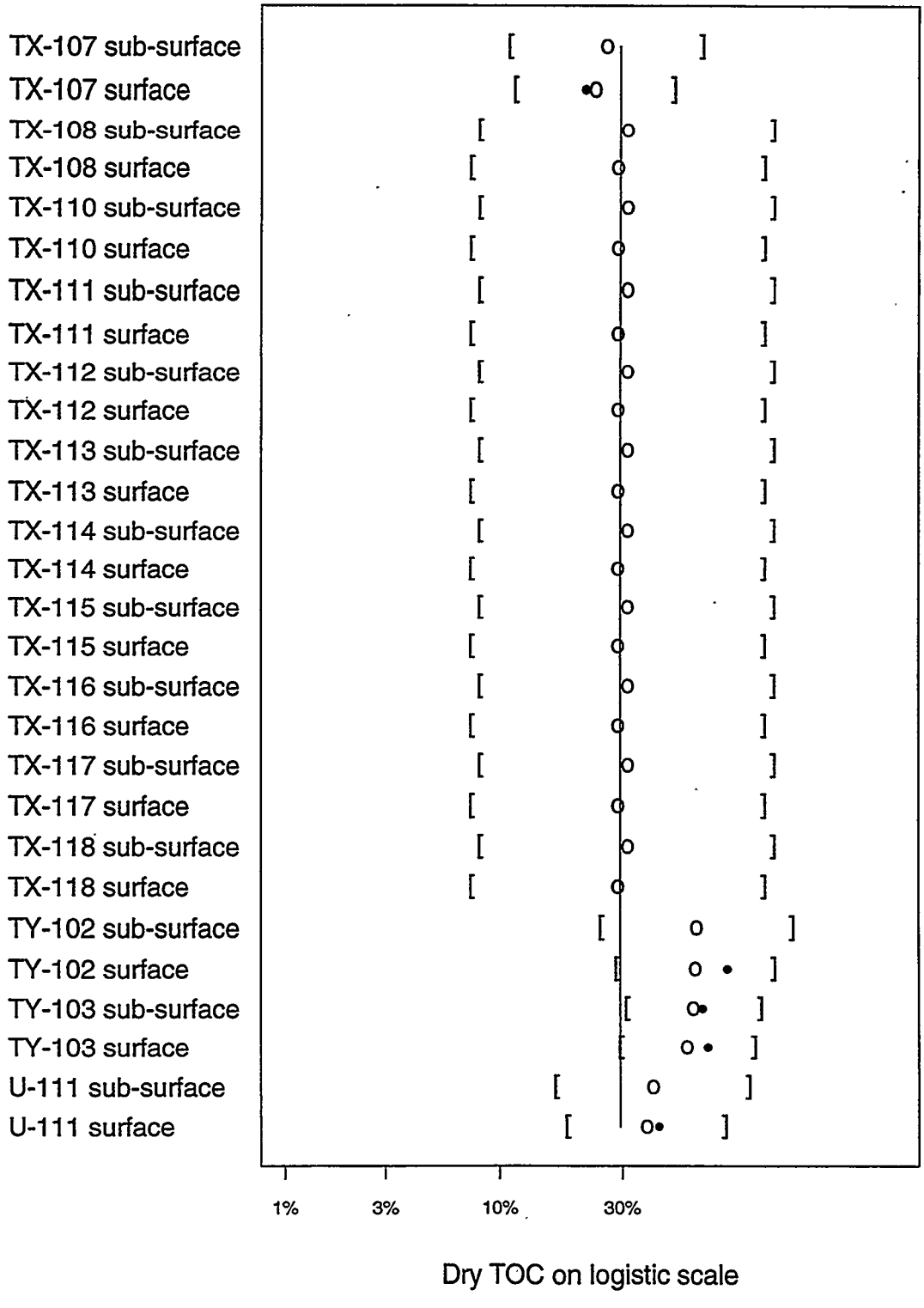


Figure 24: H_2O ANOVA Results: Dry Sludge Group, Tanks A-104 to C-104

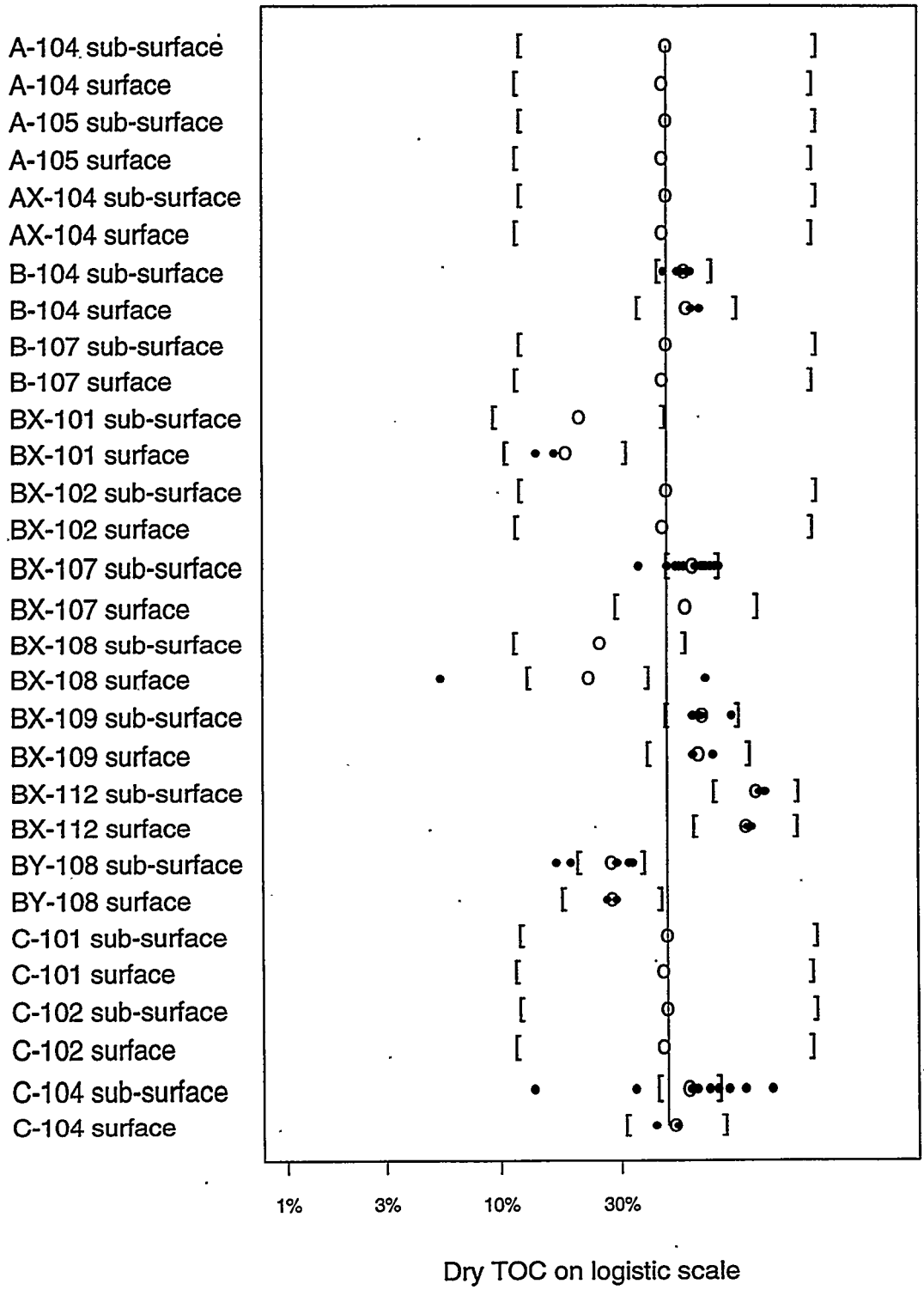


Figure 25: H_2O ANOVA Results: Dry Sludge Group, Tanks C-105 to T-210

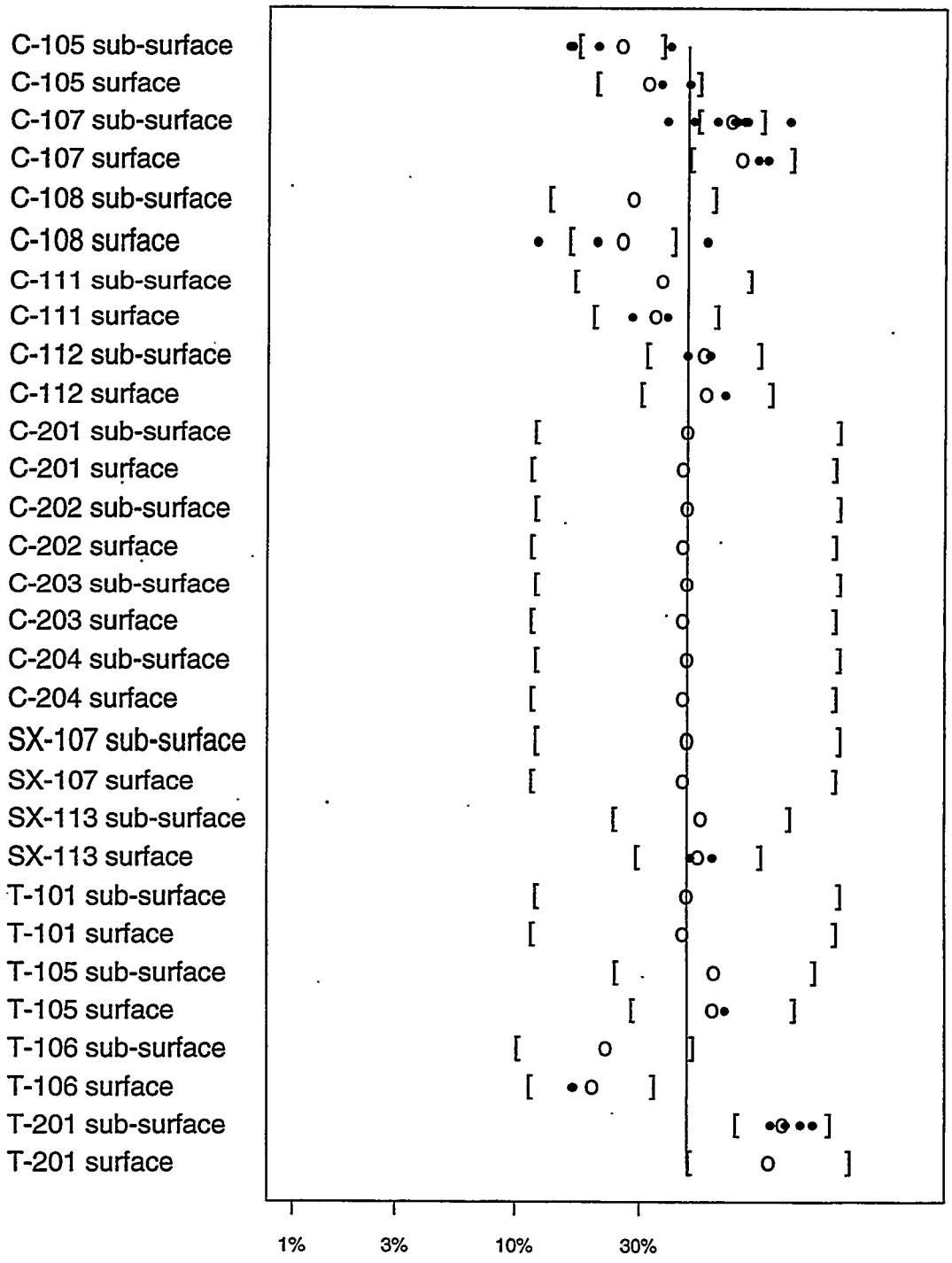


Figure 26: H_2O ANOVA Results: Dry Sludge Group, Tanks T-202 to U-110

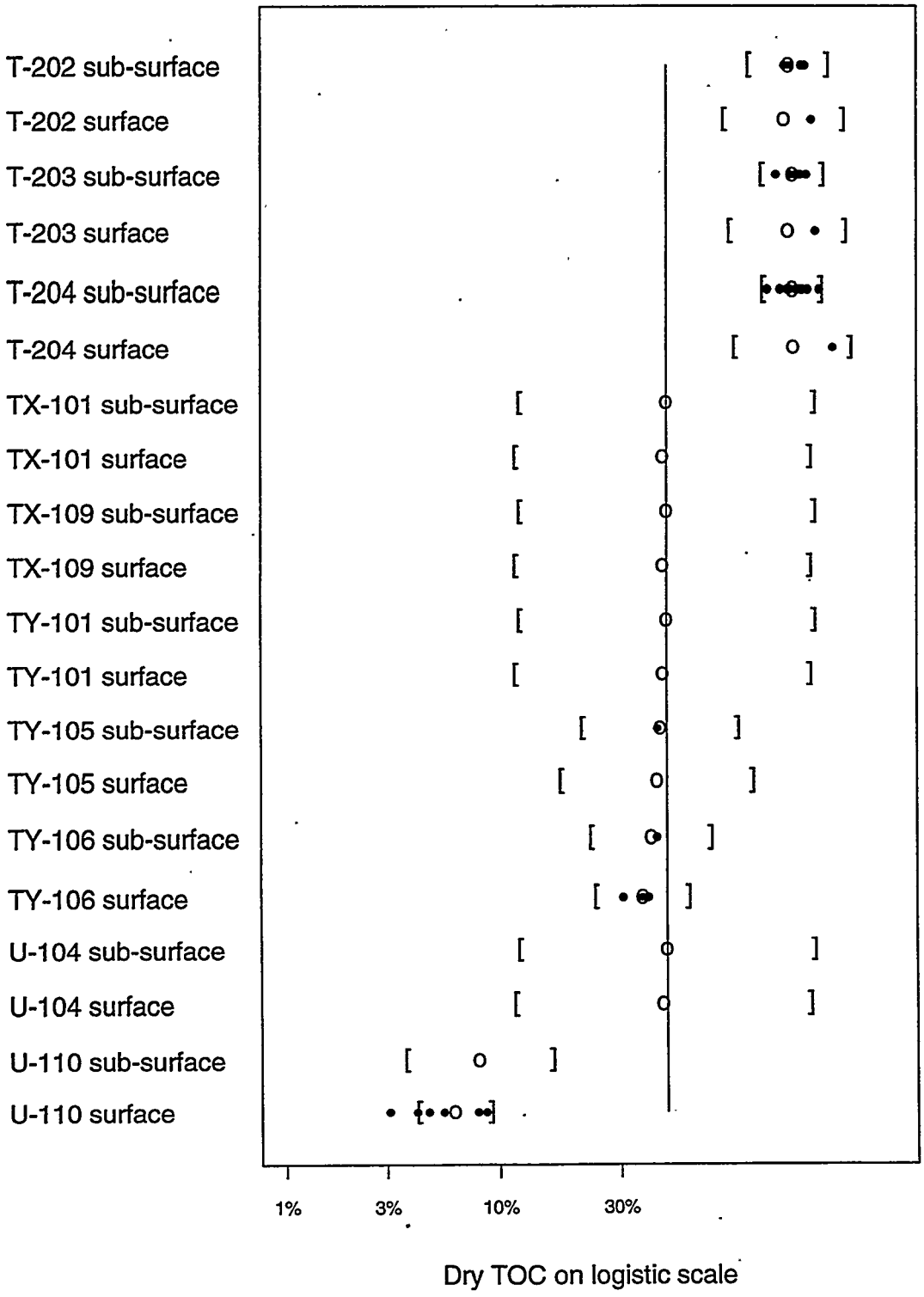


Figure 27: H_2O ANOVA Results: Wet Saltcake Group, Tanks A-102 to U-102

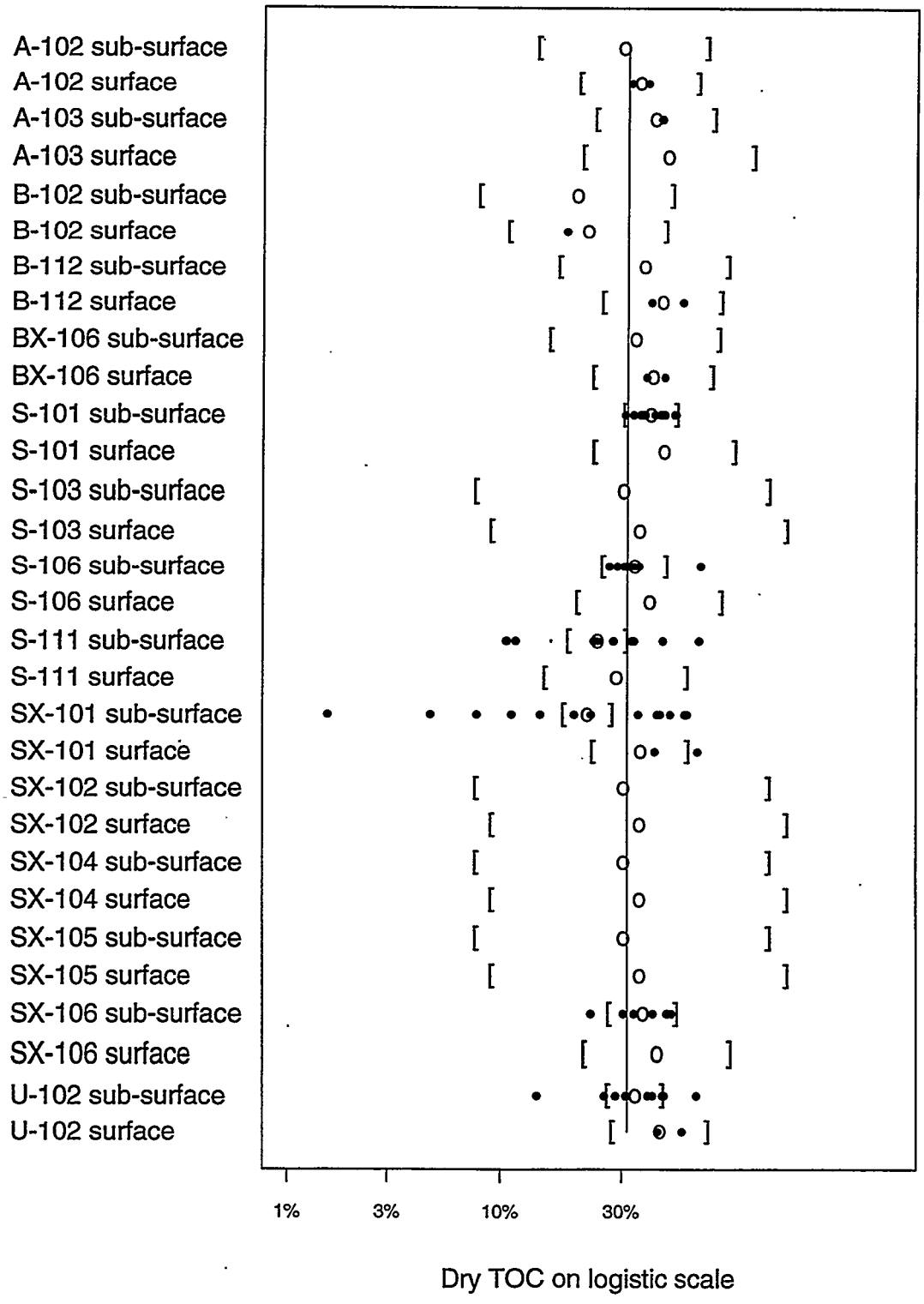


Figure 28: H_2O ANOVA Results: Wet Saltcake Group, Tanks U-103 to U-109

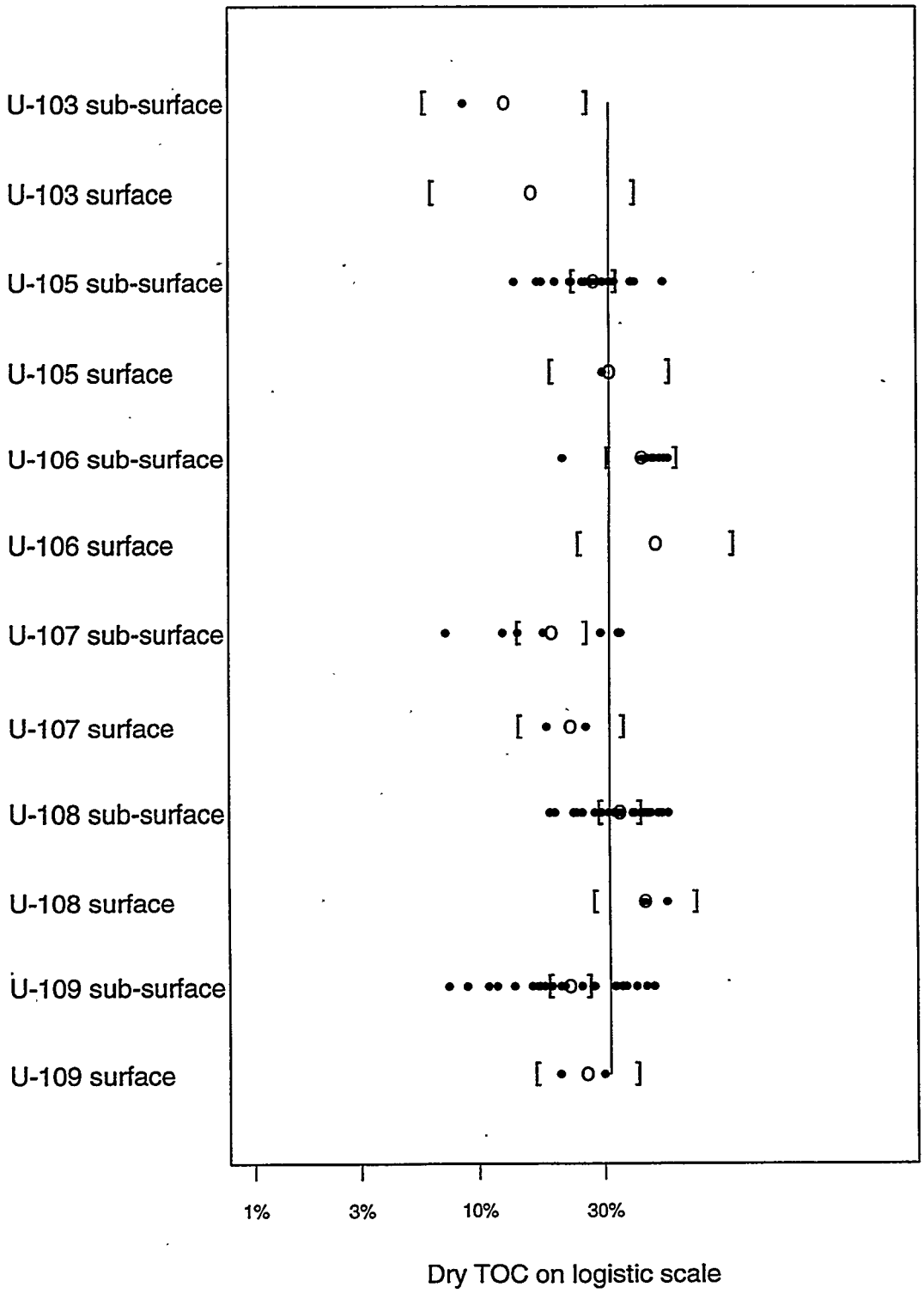


Figure 29: H_2O ANOVA Results: Wet Sludge Group, Tanks B-110 to S-107

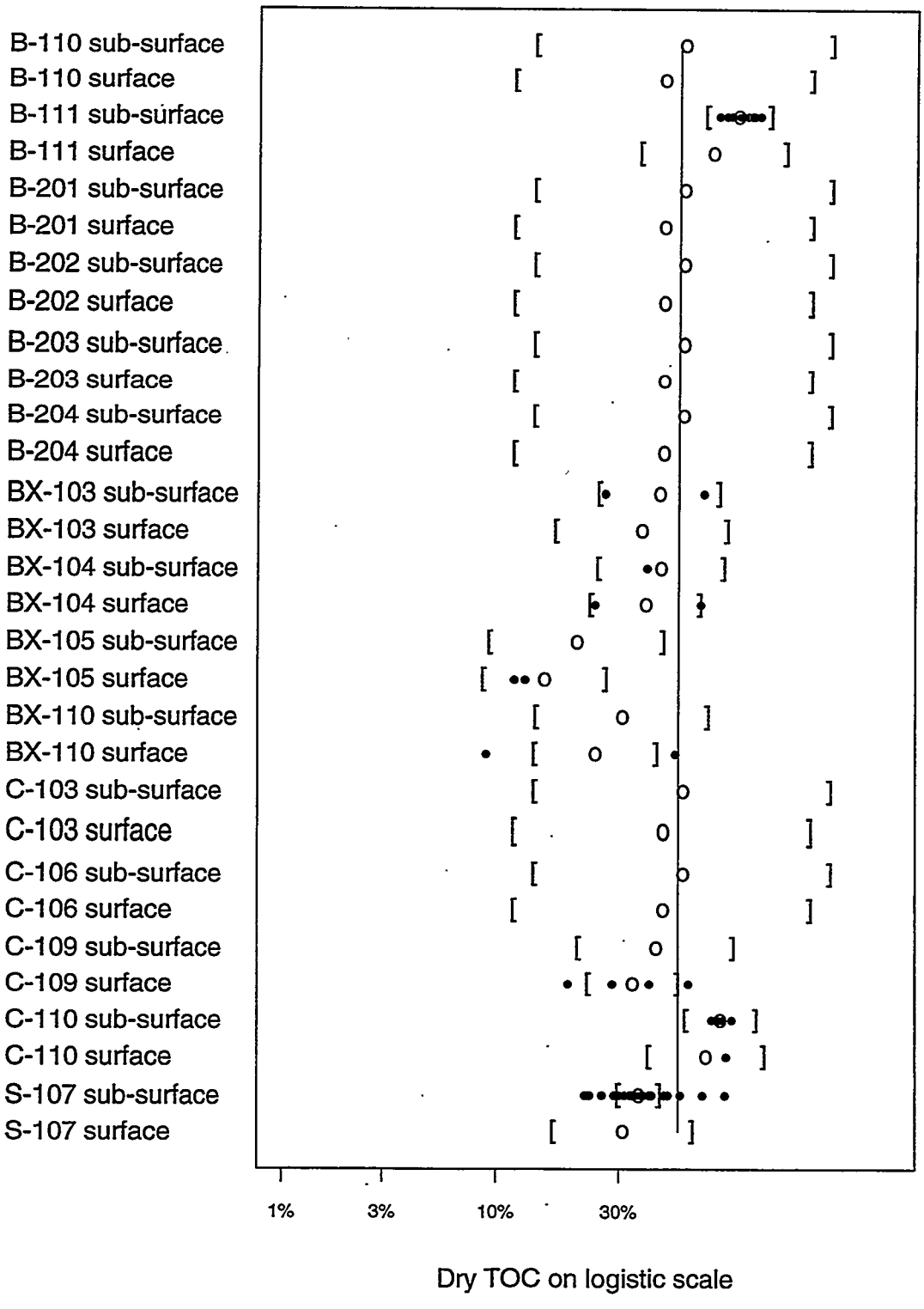


Figure 30: H_2O ANOVA Results: Wet Sludge Group, Tanks T-102 to U-204

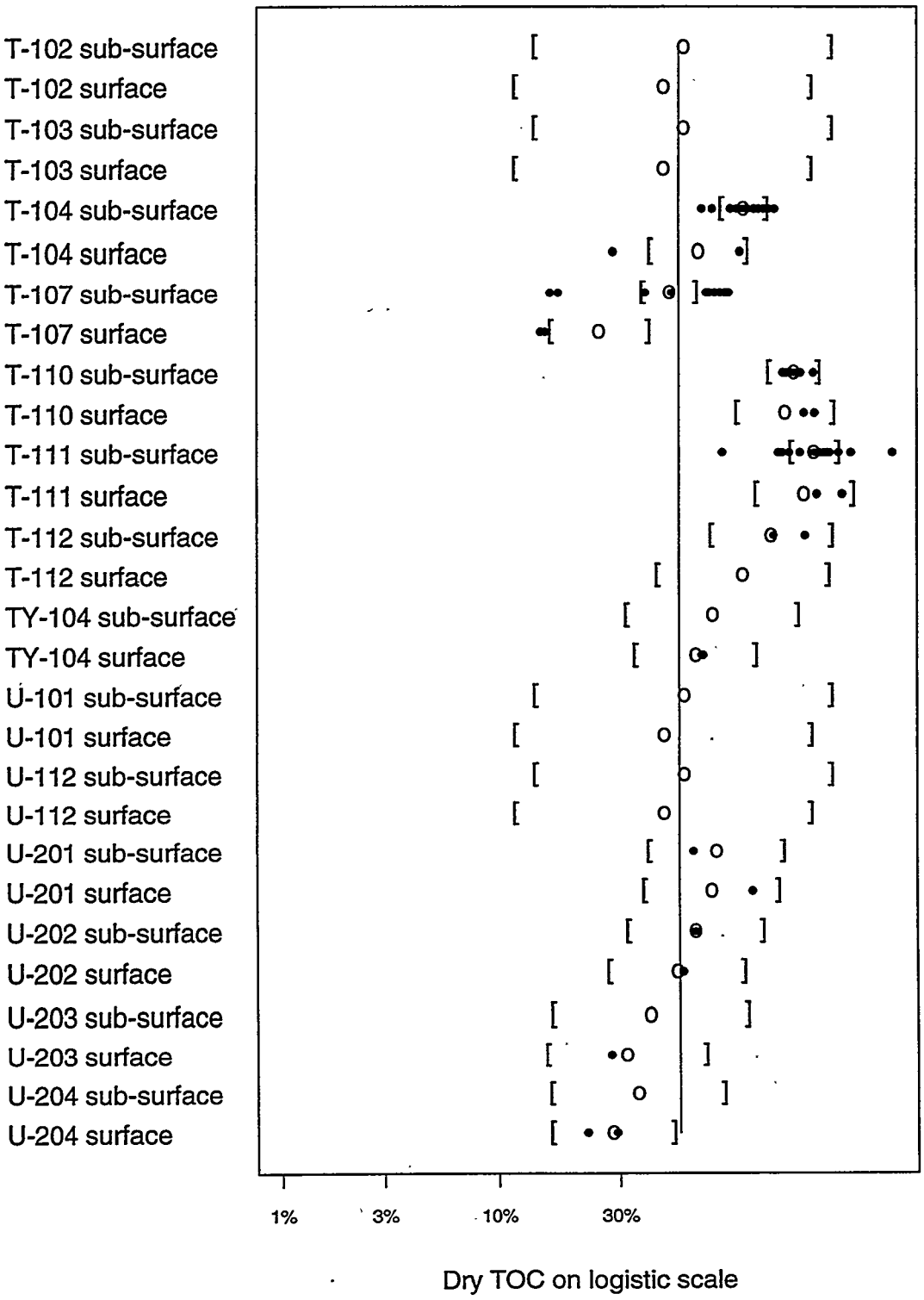
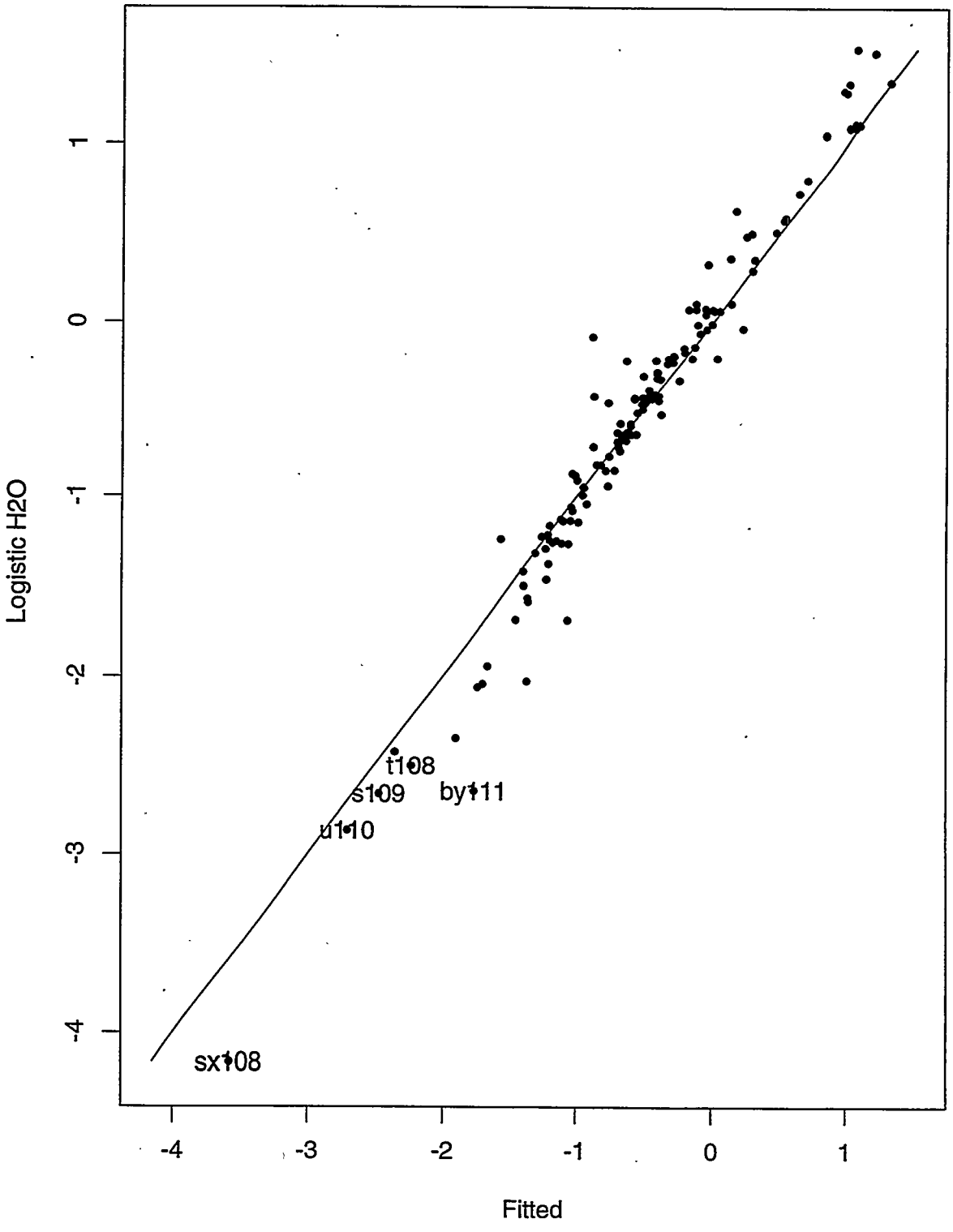


Figure 31: Fitted verses Observed H_2O



6.2 ANOVA Fit to TOC Data

The TOC ANOVA results are summarized in Table 12. The within-group correlation is 27%, a larger correlation than was achieved for the H_2O fit. The logistic-mean TOC for all sampled tanks, μ, is estimated as $\mu = -4.545$, which translates into a concentration of 0.21%.

Table 12: ANOVA Table For TOC

Variance Component	ANOVA Estimate	Approx. RSD (%)
σ_D^2	0.013	11 %
σ_G^2	0.287	54 %
σ_T^2	0.631	79 %
σ_{DG}^2	0	0 %
σ_{DT}^2	0.193	44 %
σ_E^2	0.445	67 %

The tank-to-tank variability is the largest term in the ANOVA table, as was the case with the other two ANOVA fits presented in this report. Figure 32 presents a QQ plot of the TOC data residuals verses standard normal, that has the same general shape as experienced in the other two ANOVA fits.

As with the dry-TOC and H_2O ANOVA, we also plot the TOC ANOVA results in Figures 33 to 43. Figure 44 shows the plot of fitted TOC values verses observed ones. From this plot, it can be seen that the fit is reasonable.

Figure 32: QQ Plot of TOC ANOVA Residuals vs. Normal

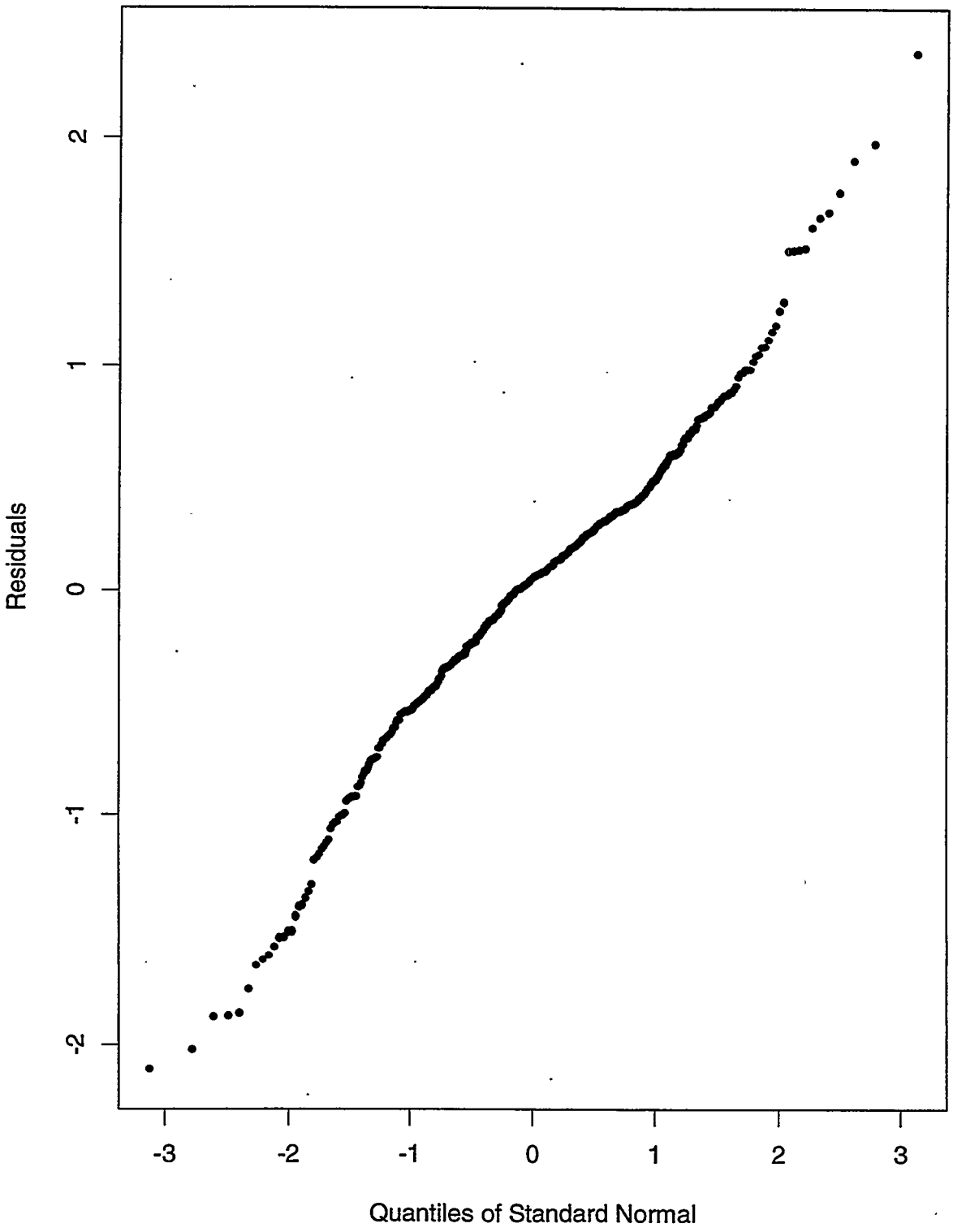


Figure 33: TOC ANOVA Results: High Group, Tanks A-101 to SX-101

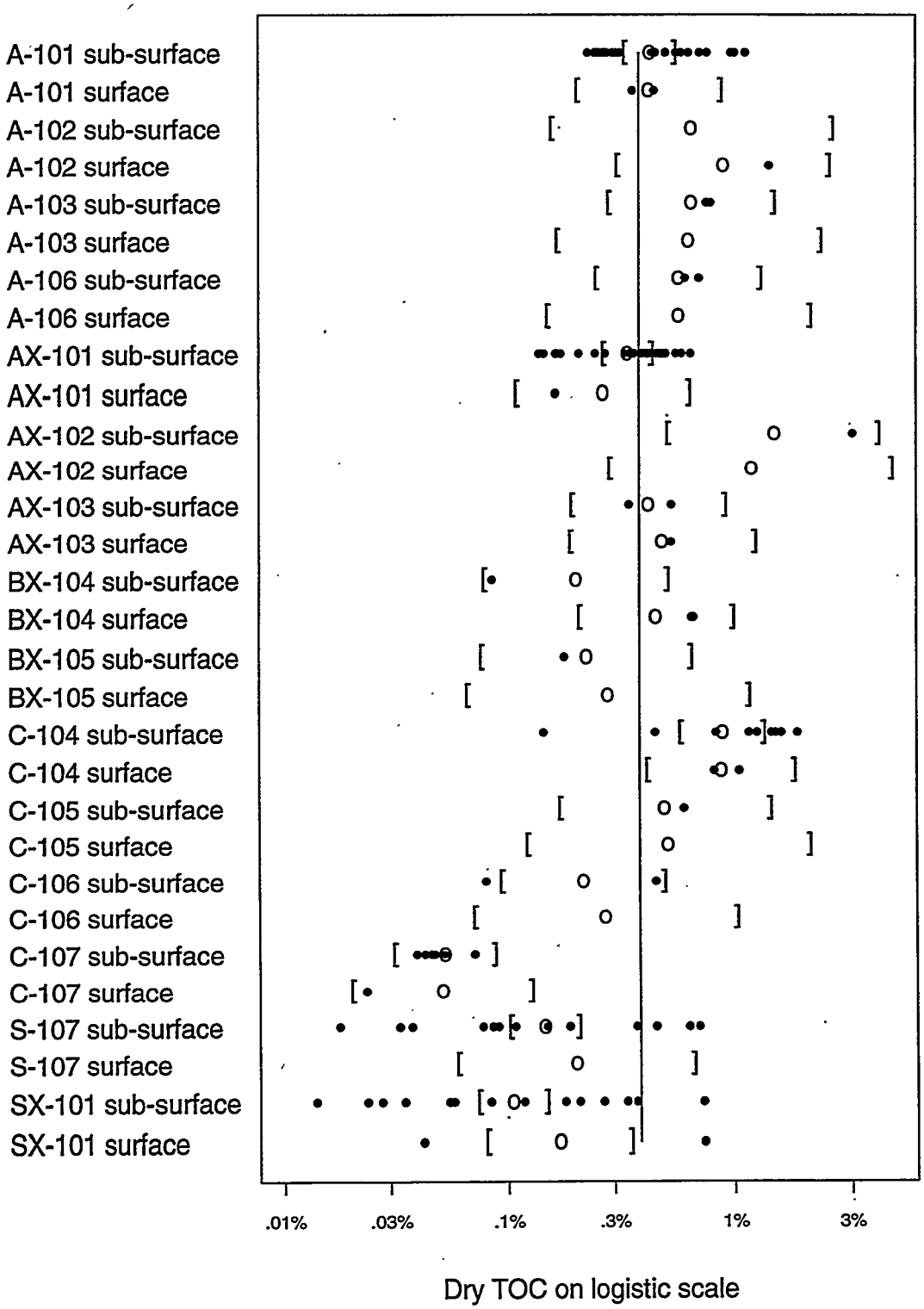


Figure 34: TOC ANOVA Results: High Group, Tanks SX-106 to U-111

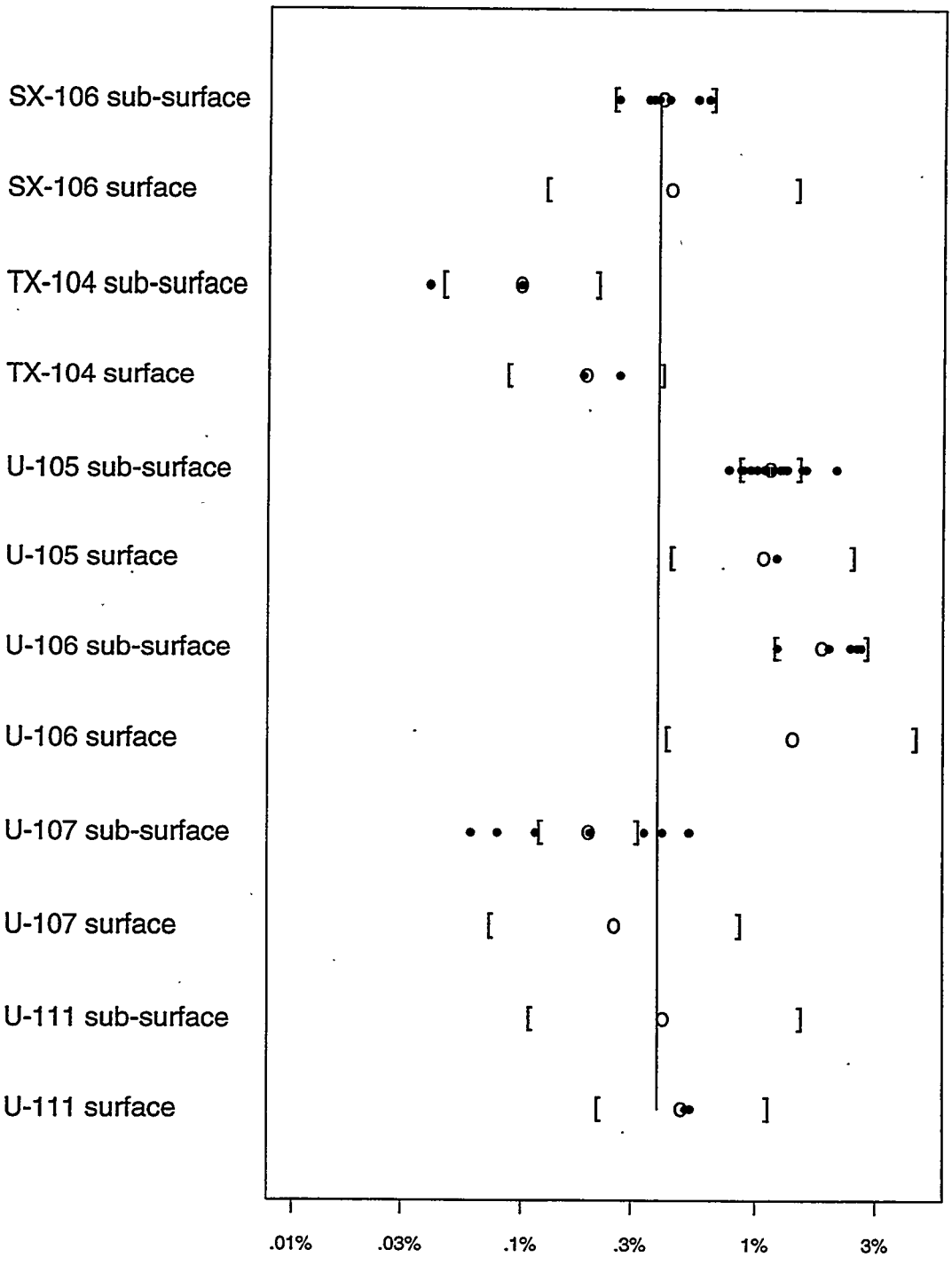


Figure 35: TOC ANOVA Results: Low Group, Tanks A-104 to BX-107

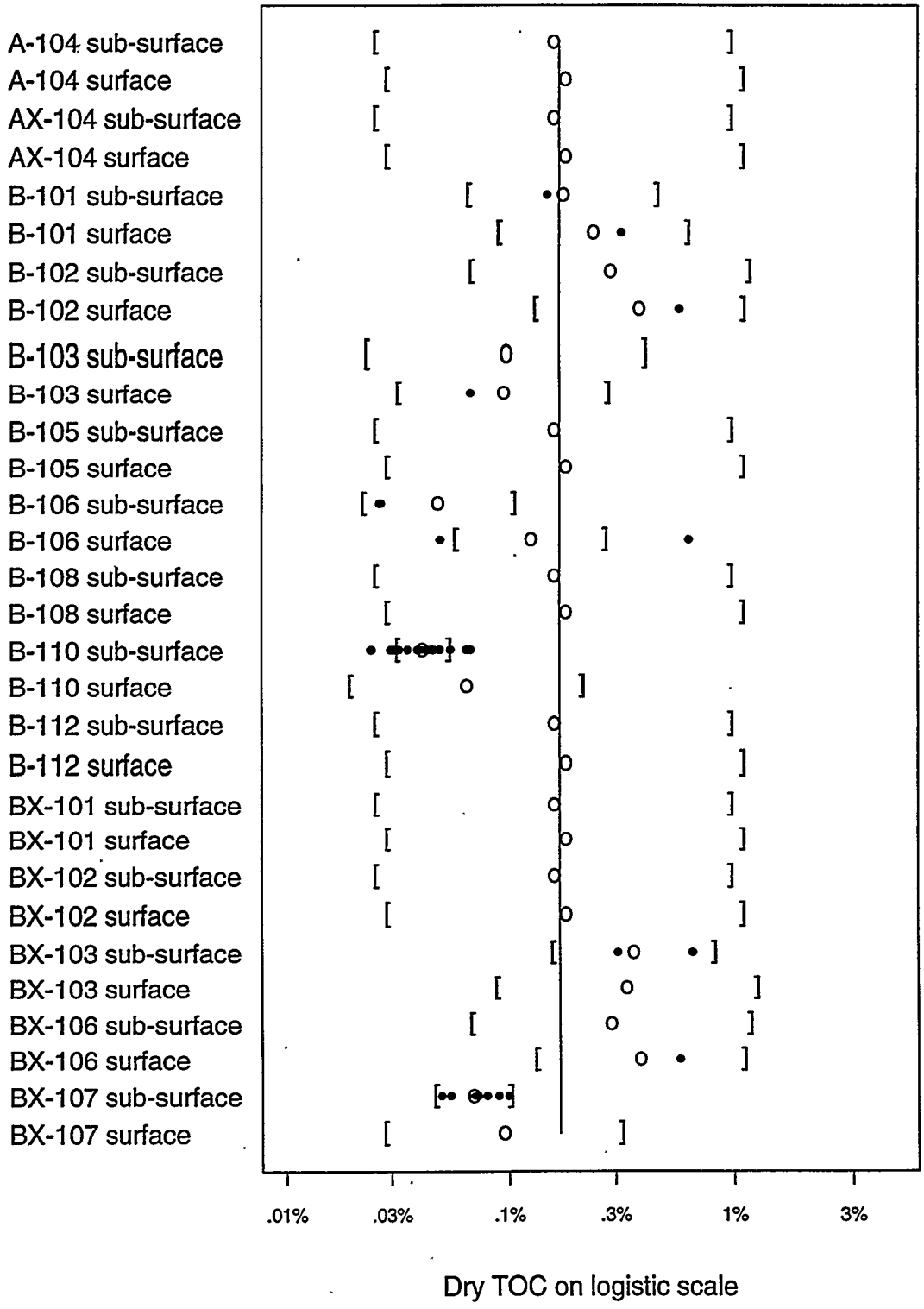


Figure 36: TOC ANOVA Results: Low Group, Tanks BX-108 to BY-112

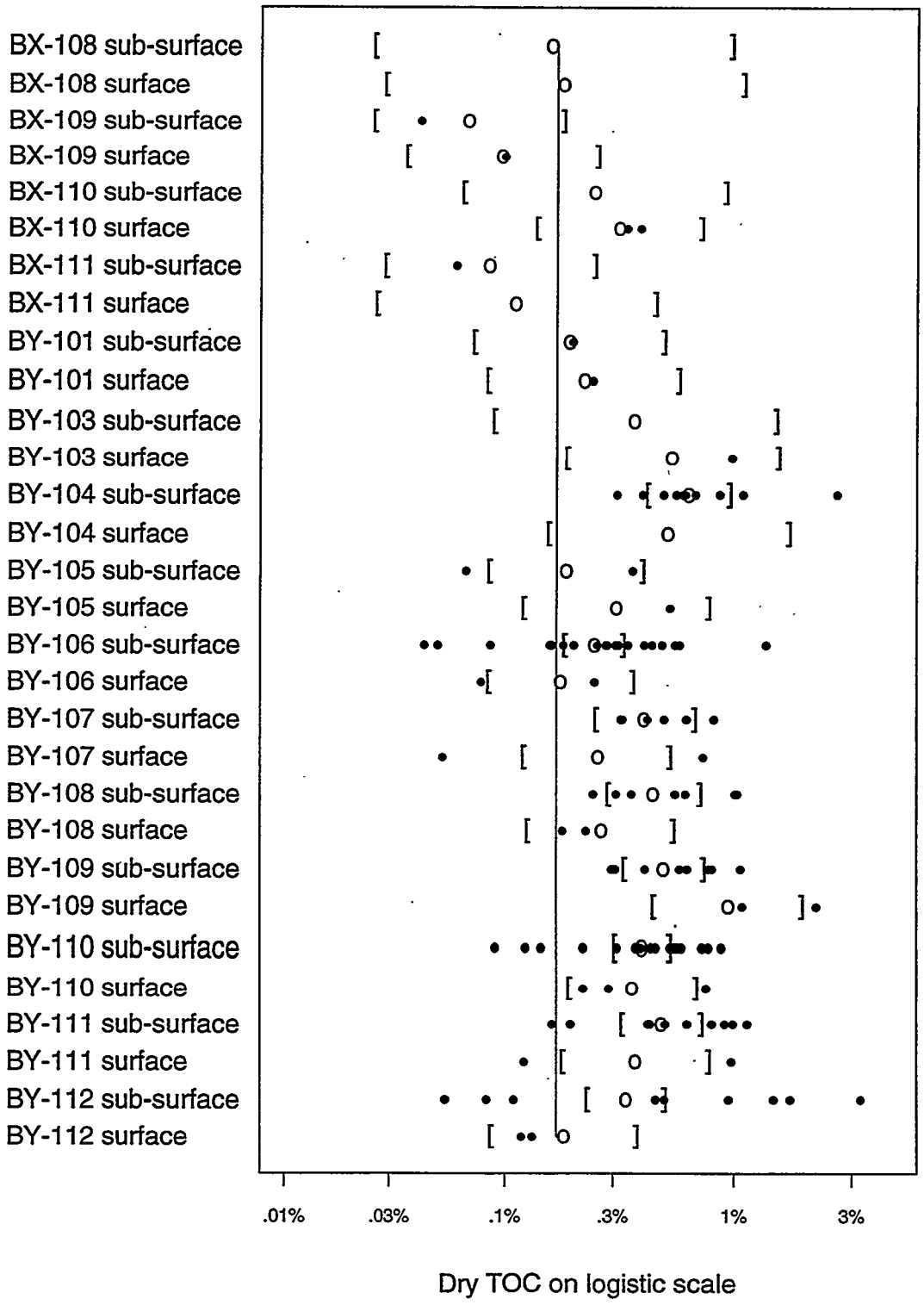


Figure 37: TOC ANOVA Results: Low Group, Tanks C-108 to SX-111

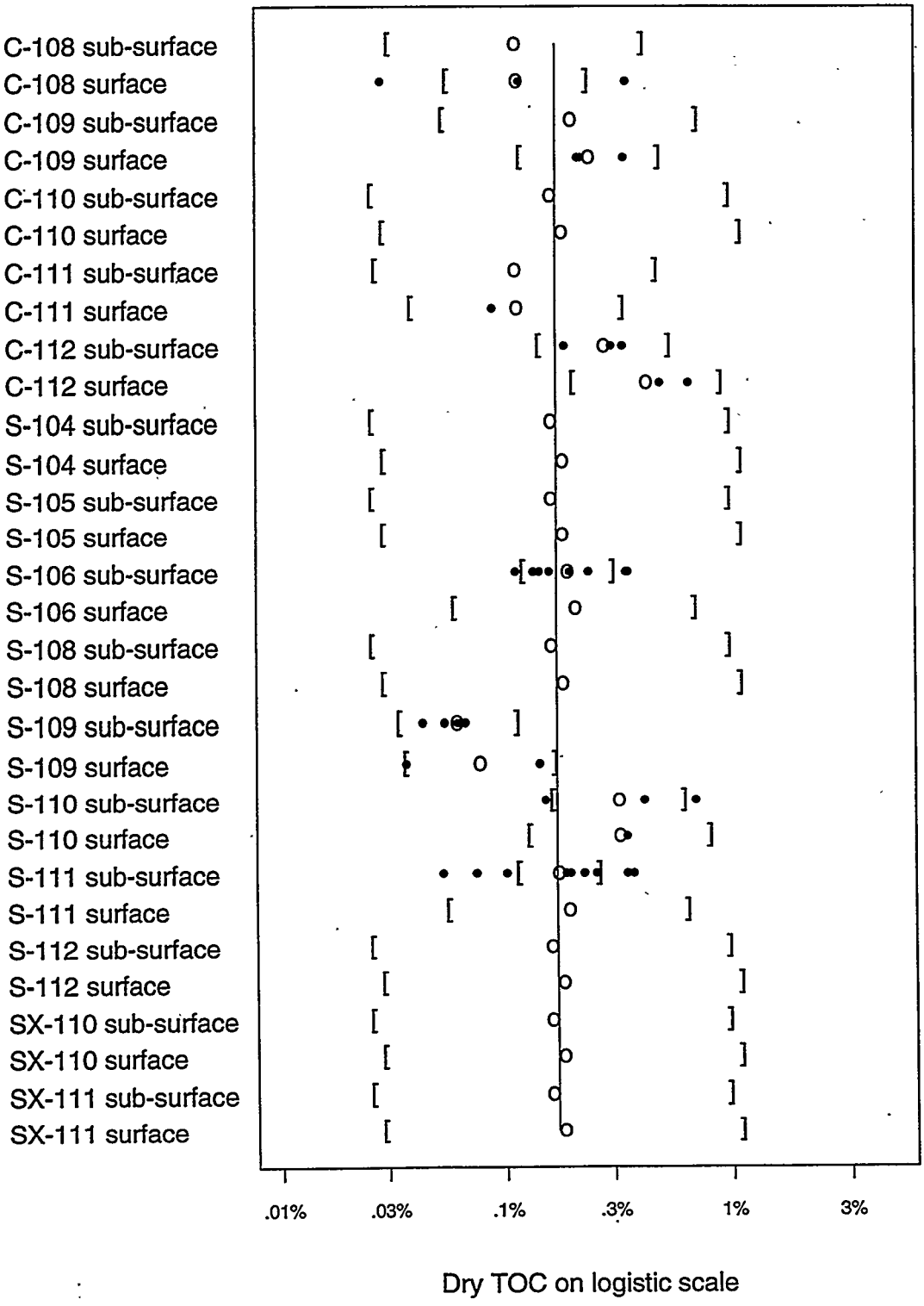


Figure 38: TOC ANOVA Results: Low Group, Tanks SX-114 to T-202

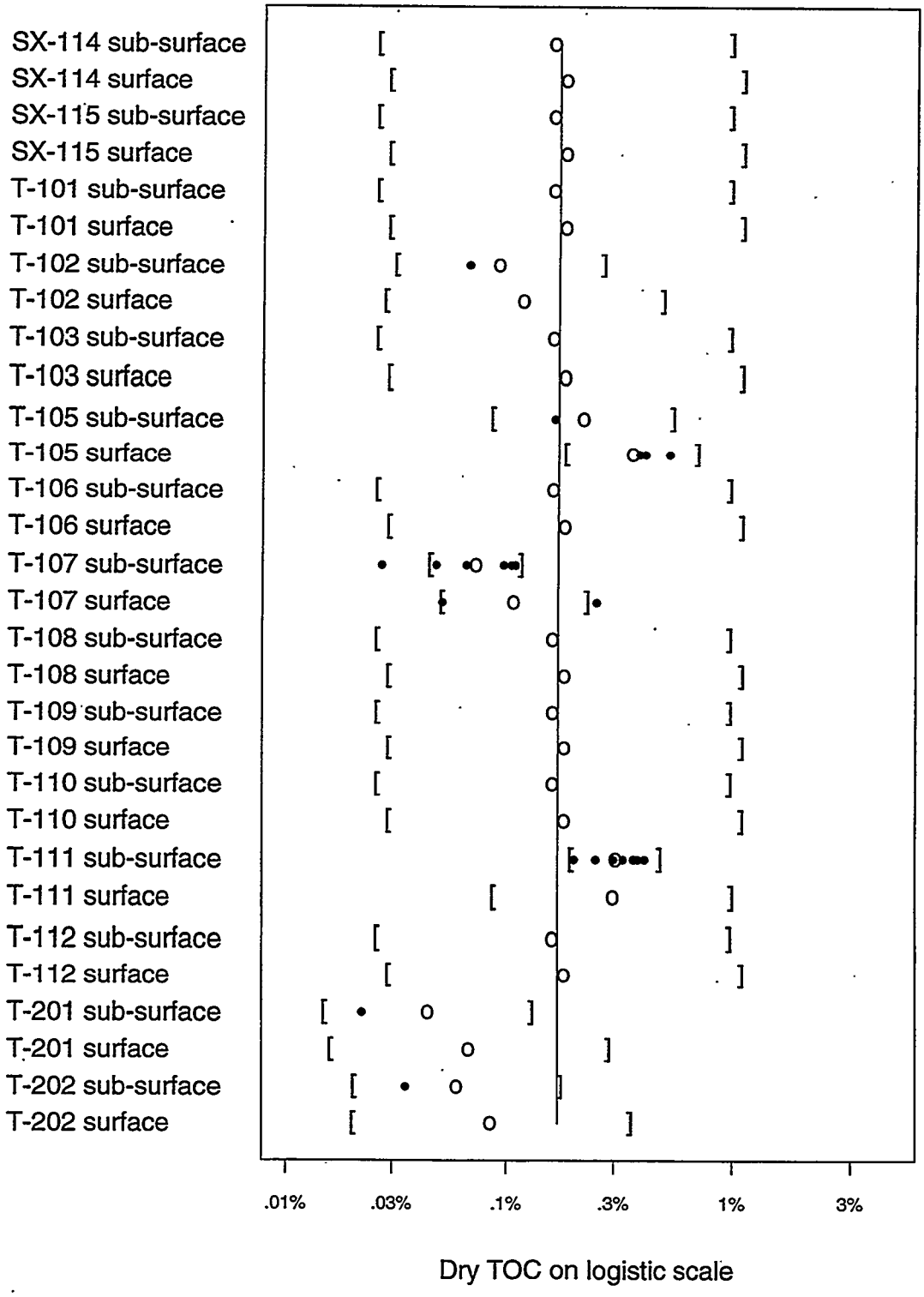


Figure 39: TOC ANOVA Results: Low Group, Tanks T-203 to TX-116

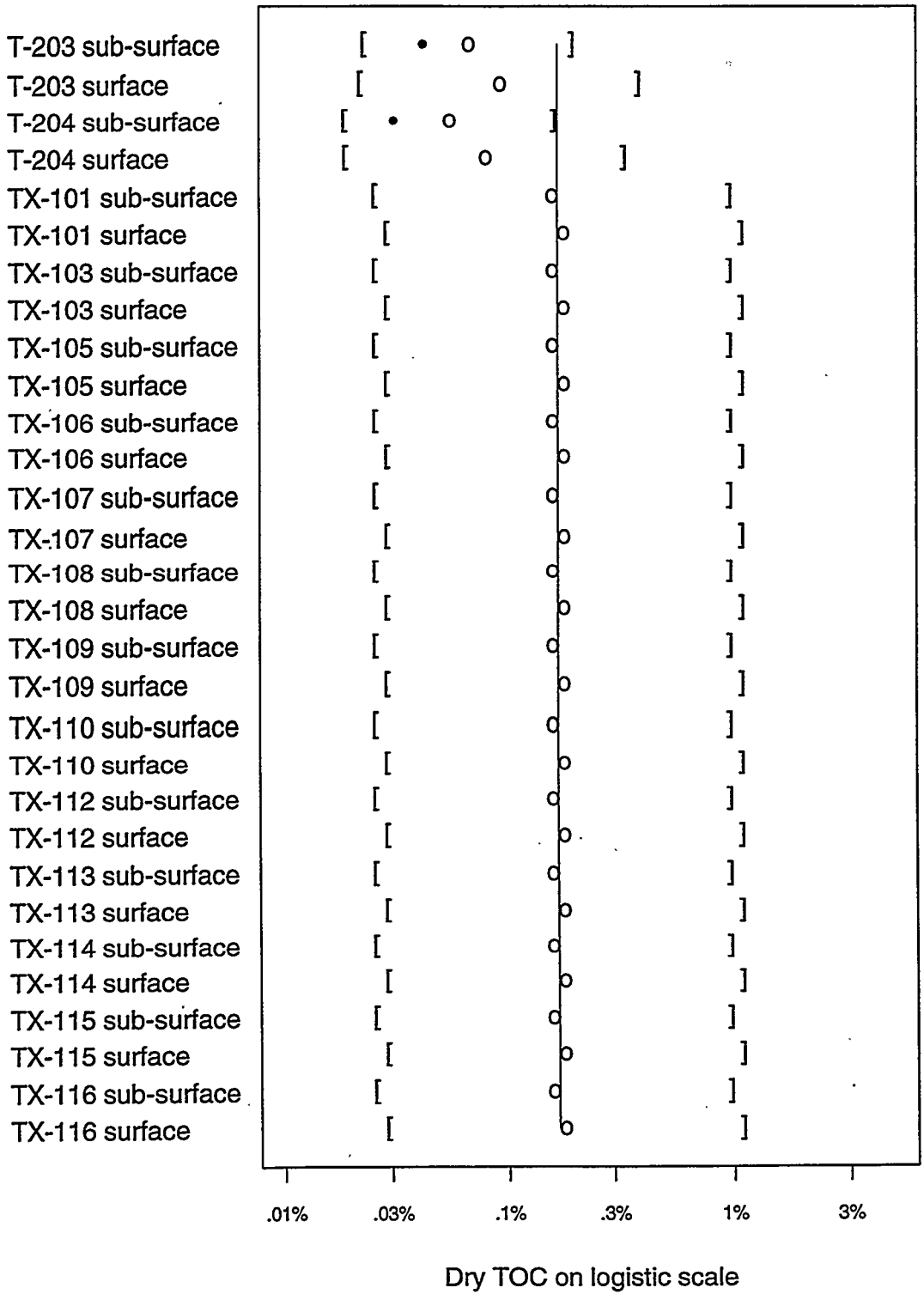


Figure 40: TOC ANOVA Results: Low Group, Tanks TX-117 to U-204

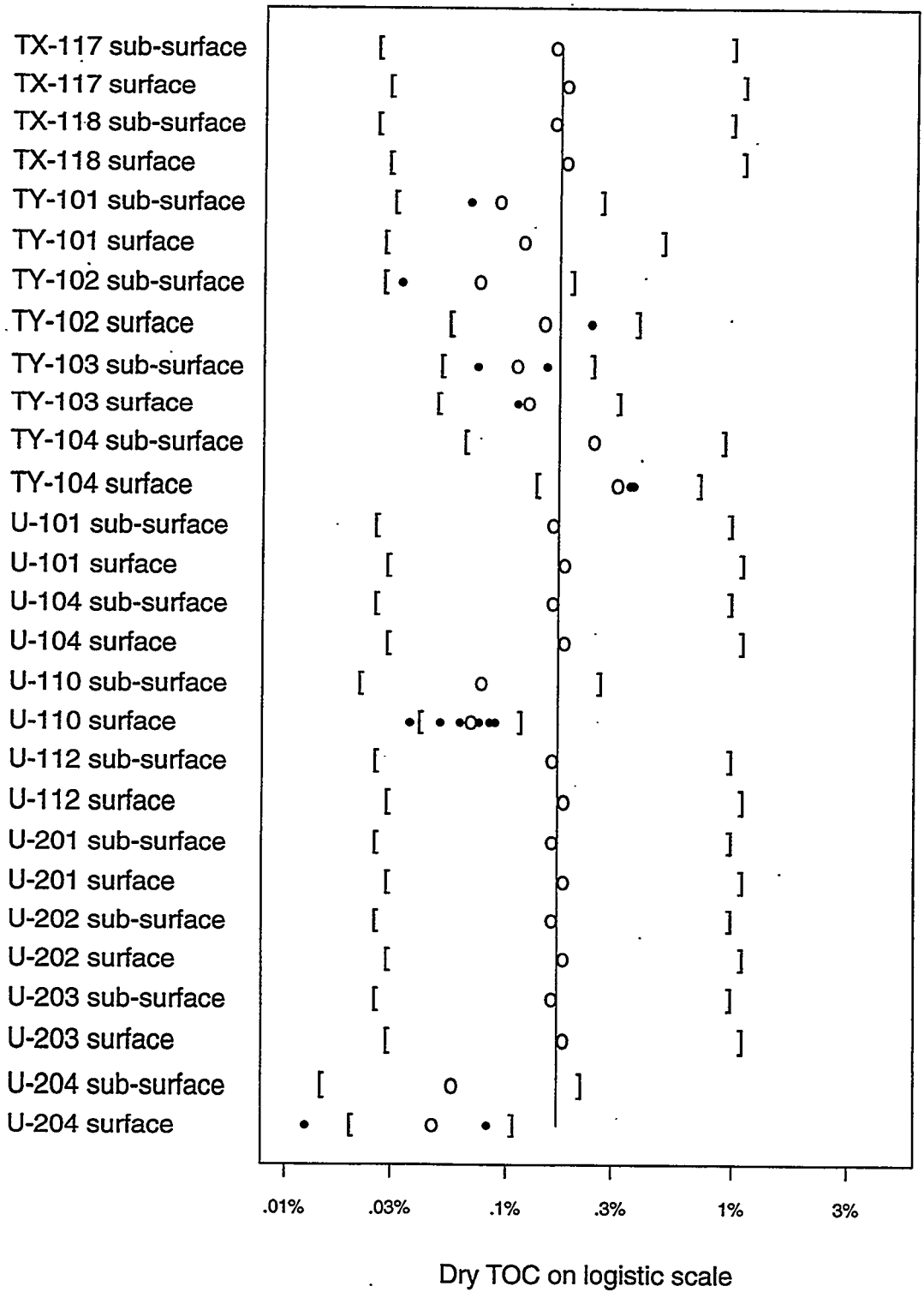


Figure 41: TOC ANOVA Results: Medium Group, Tanks B-109 to U-103

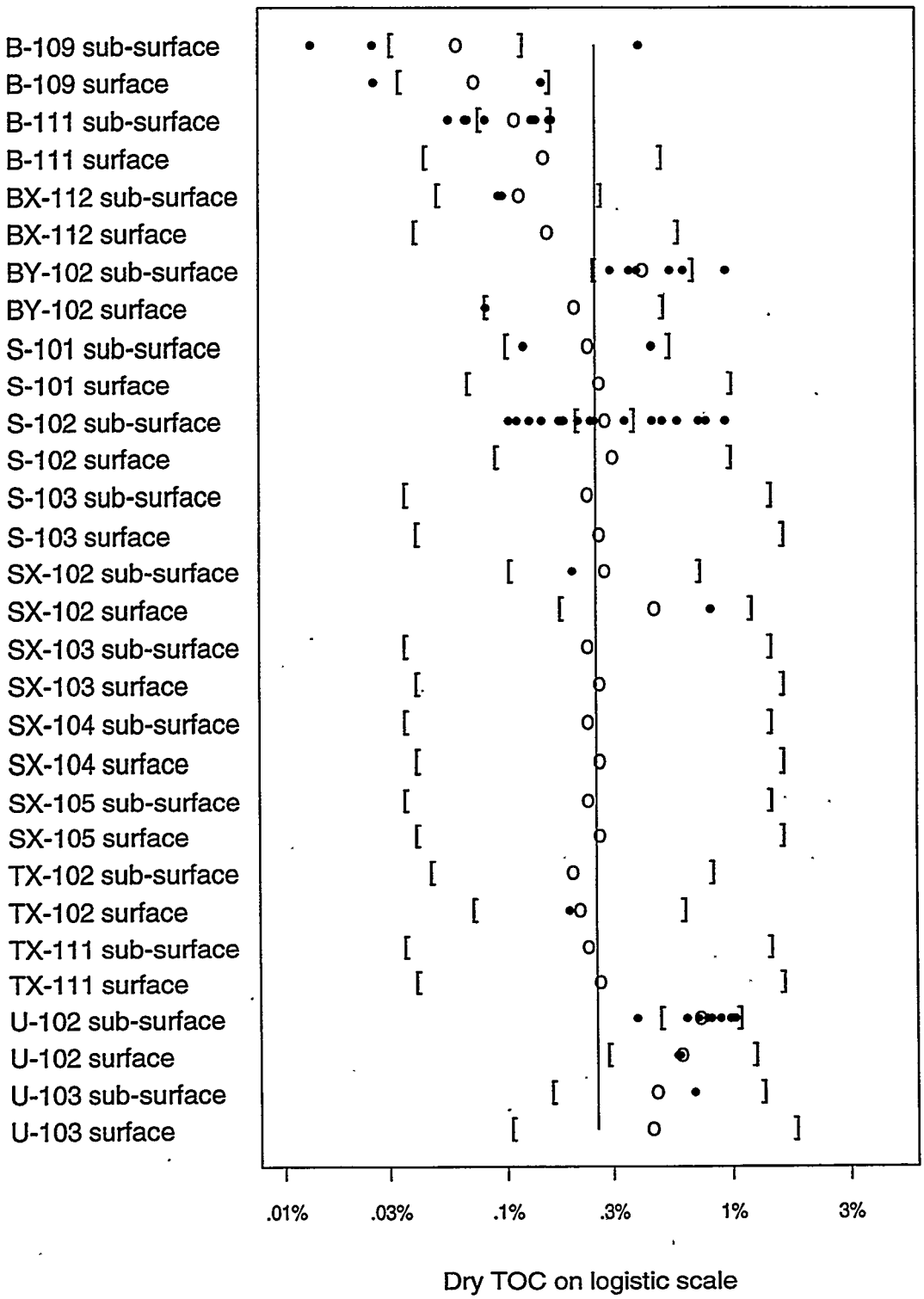


Figure 42: TOC ANOVA Results: Medium Group, Tanks U108 and U-109

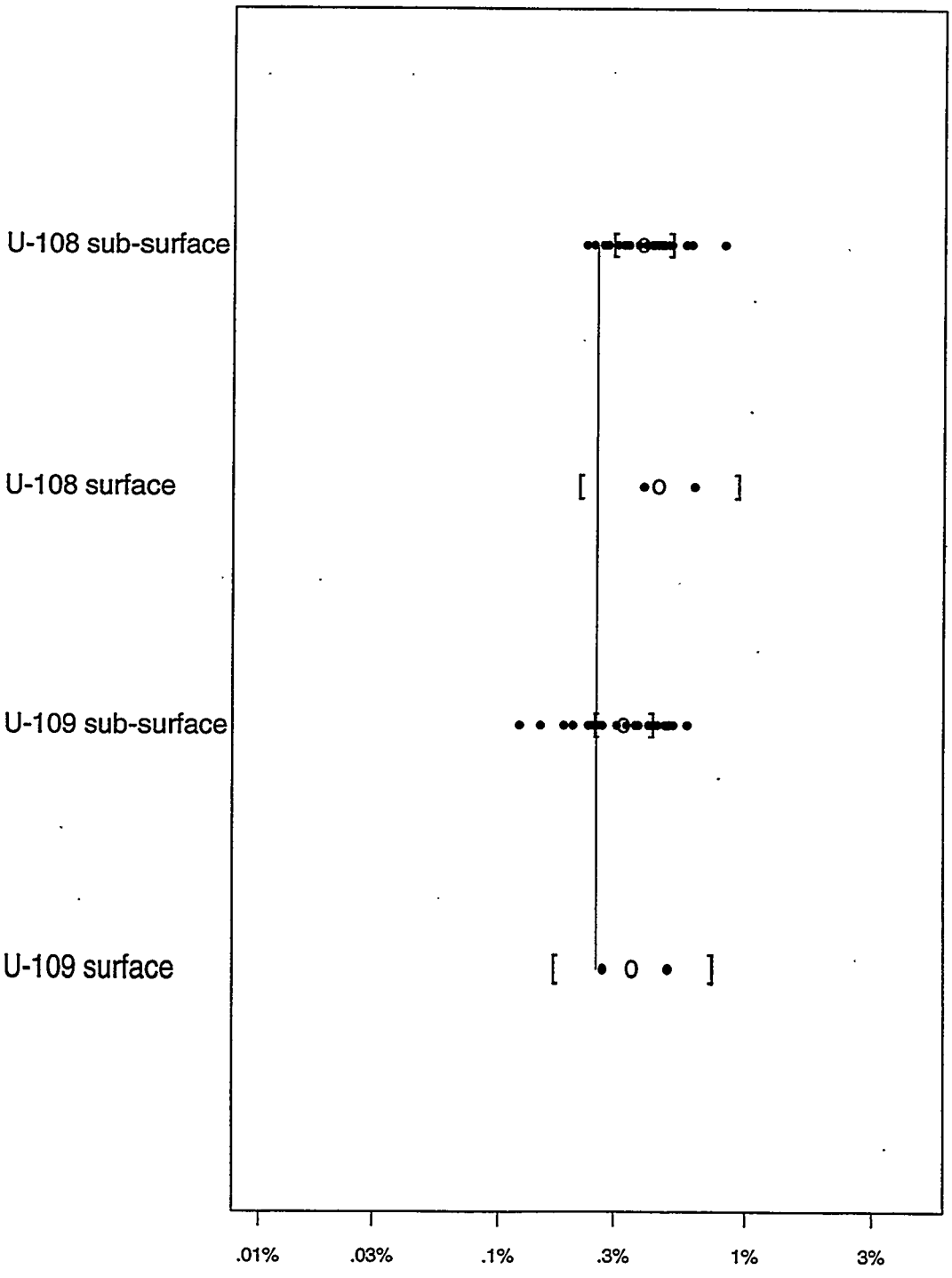


Figure 43: TOC ANOVA Results: Non-TOC Group, Tanks A-105 to TY-106

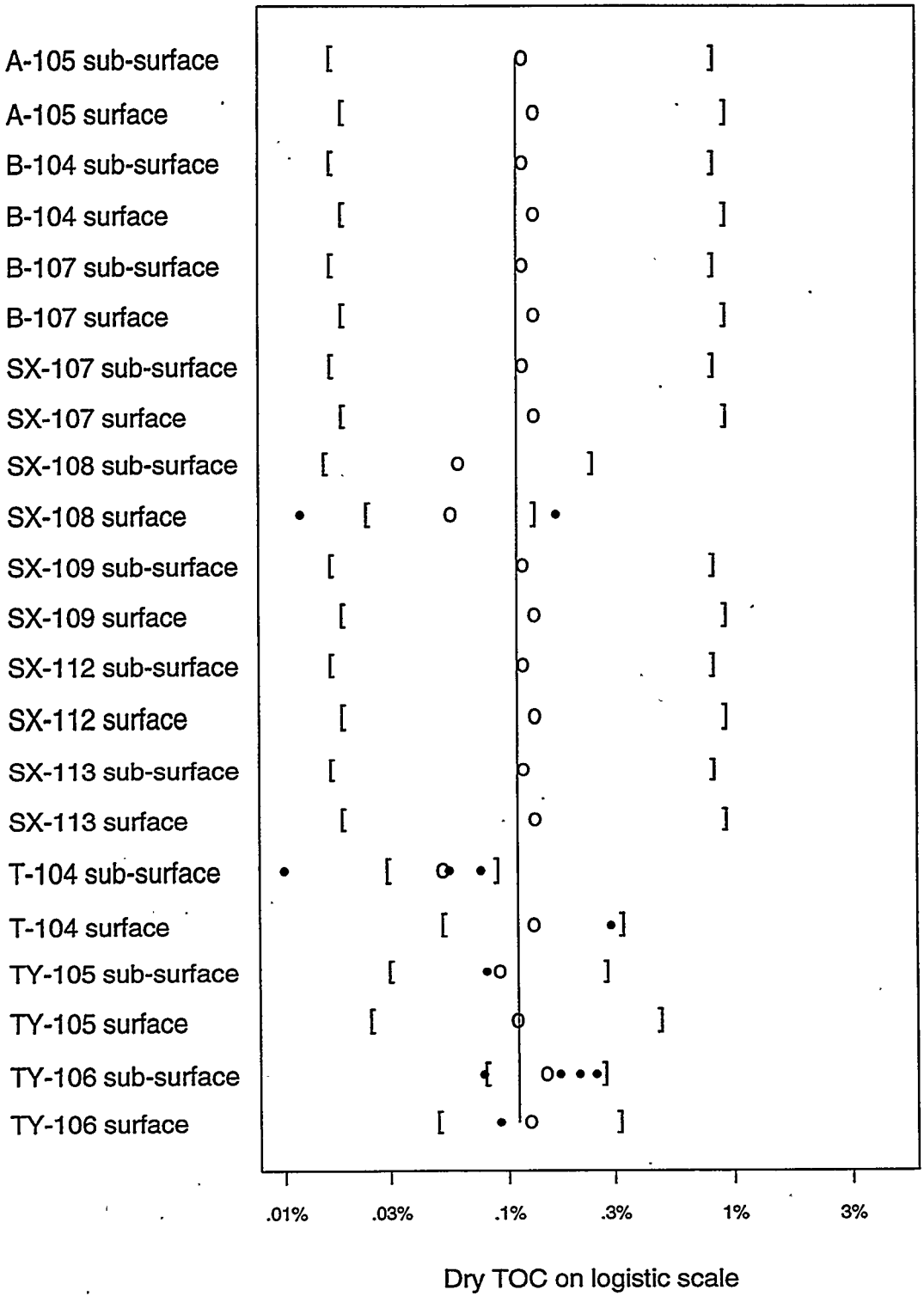
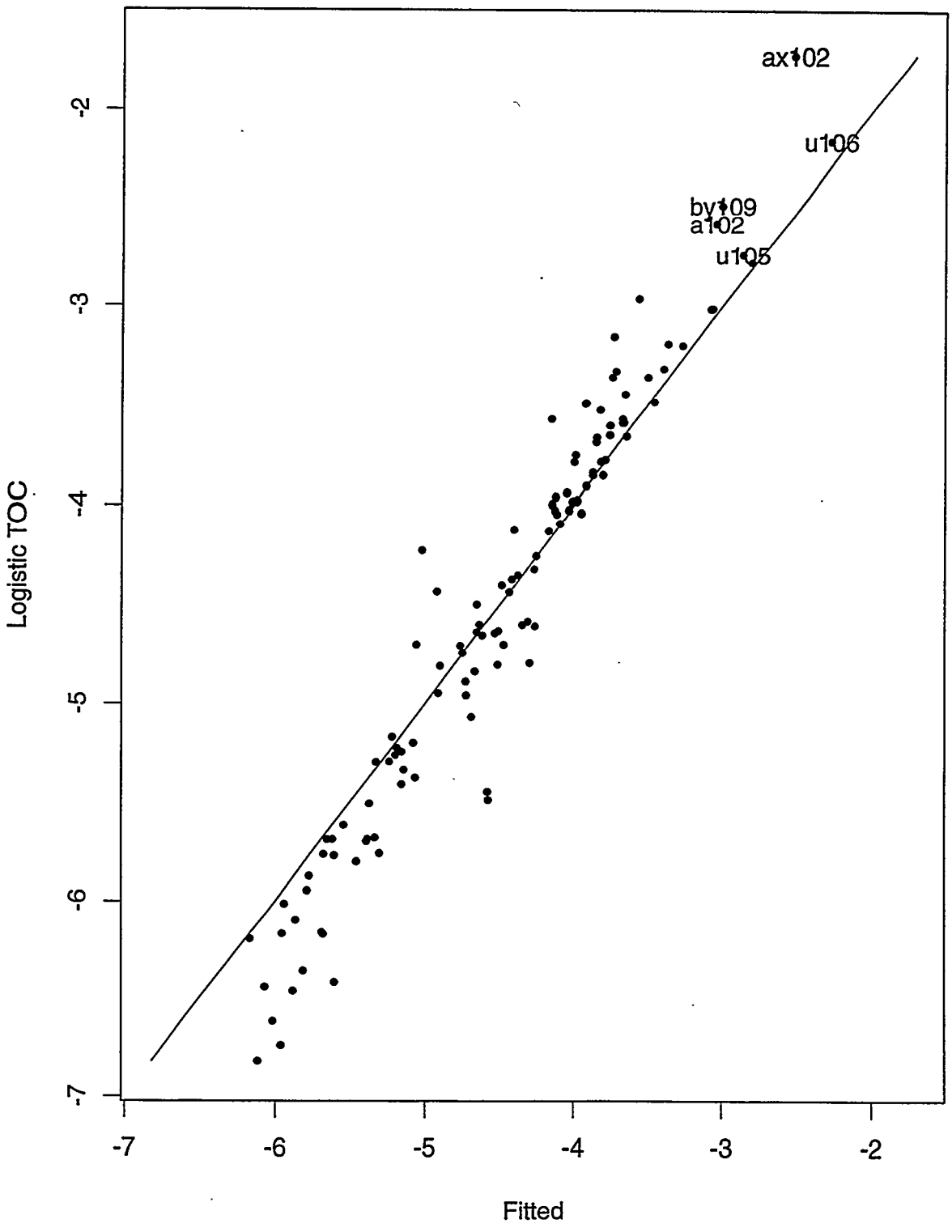


Figure 44: Fitted versus Observed TOC



6.3 Calculation of Wet CWF's

The ANOVA results presented in the last two sections are used to calculate the wet CWF's, as described in Section 5. This section presents the best estimates (medians) for these fractions as well as their upper 95% bounds. They are then used to screen tanks into pass/fail categories. The current screening criterion is that if the upper 95% bound is less than 5%, then the tank is considered to pass, otherwise it is considered to fail.

As discussed in Section 4, we subtract 10% RSD from the ANOVA estimated $\hat{\sigma}_e$ to get the estimated within-layer spatial variability.

To see what the ANOVA estimates mean with respect to wet combustible waste, we plot the H_2O and TOC ANOVA results on the top and bottom layers in (H_2O, TOC) space in Figures 45 and 46. In the plots, the upper-left region is the wet combustible waste region. The open circles are the best estimates of (H_2O, TOC) for each tank from the ANOVA's. The solid dots are the worst 95% bounds of the ANOVA estimates of (H_2O, TOC) that reflect the uncertainties associated with the estimates. The worst 95% bound means the point in the (H_2O, TOC) space where H_2O takes the lower 95% bound of the best estimate, and TOC takes the upper 95% bound of the best estimate. Although all the worst 95% bounds are outside the wet combustible waste region, this does not mean that all tanks are safe. These bounds only reflect the locations of the means of the (H_2O, TOC) joint distributions which describe the spatial variability of (H_2O, TOC) in the waste. There is a substantial amount of spatial variance in the waste. The spatial variance is quantified by σ_e^2 and ρ which are obtained from the ANOVA results. Integrating the joint (H_2O, TOC) distribution over the wet combustible waste region will give us the fraction of wet combustible waste in the tank.

Table 13 presents the medians and upper bounds on the wet CWF's for all relevant tanks. The fractions are compared to the 5% screening threshold and those that are below 5% are marked with a P (Pass), while those above are marked with an F (Fail). As one can see, no tanks failed this screening. In the table, the column "grp" identifies the H_2O/TOC group the tank belongs to. The H_2O groups are: 1=dry.saltcake, 2=dry.sludge, 3=wet.saltcake, and 4=wet.sludge. The TOC groups are: h=High, m=Medium, l=Low, n=NonTOC, and s=Special.

As with the dry CWF calculations, we plot the wet CWF's against TOC and H_2O in Figures 47 and 48. These figures show the relationships between wet CWF and TOC, and wet CWF and H_2O. The plots show that higher TOC corresponds to higher wet CWF, while higher H_2O does not have a strong effect on wet CWF.

As with the dry CWF calculations, we can also use a regression analysis to summarize our results. Intuitively we know that higher TOC and/or lower H_2O should result in higher wet CWF, and higher uncertainties in the estimate of TOC and/or H_2O should result in higher 95% upper bounds on wet CWF. The upper 95% bound of wet CWF was regressed on the TOC and H_2O ANOVA means and uncertainties, and the result was plotted in Figure 49. This figure shows a good regression relationship between wet CWF and the TOC and H_2O ANOVA estimated means and their associated uncertainties. The prediction equation produced by the regression was;

$$\text{Wet CWF} = 4.48\hat{\mu}_{toc} - 3.79\hat{\mu}_{h2o} + 3.1SD(\hat{\mu}_{toc}) + 3.1SD(\hat{\mu}_{h2o}) \qquad (31)$$

Figure 45: ANOVA Estimates on Top Layer and Wet CW Region: o=best estimate, .= 95% bound

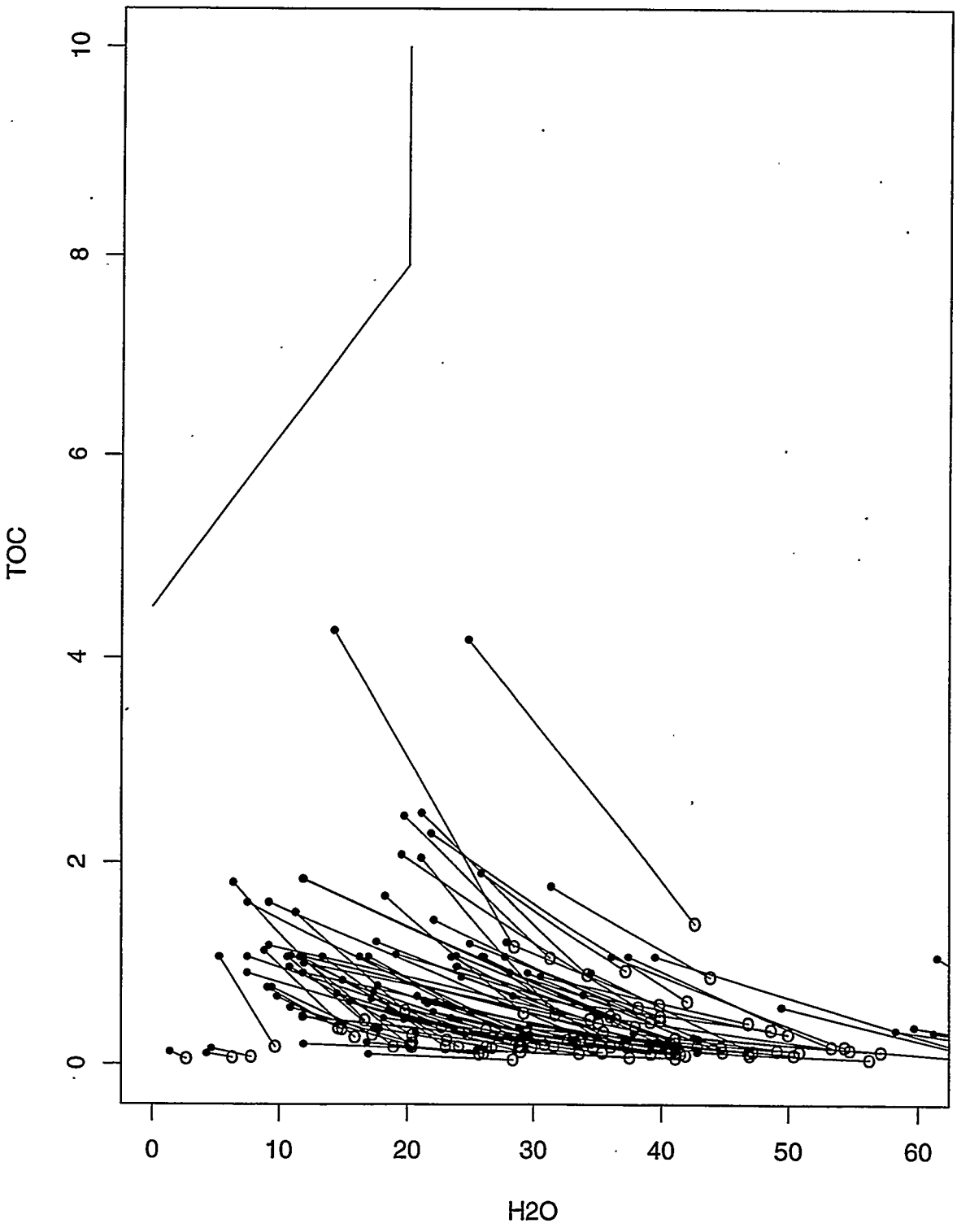


Figure 46: ANOVA Estimates on Bottom Layer and Wet CW Region: o=best estimate, .=95% bound

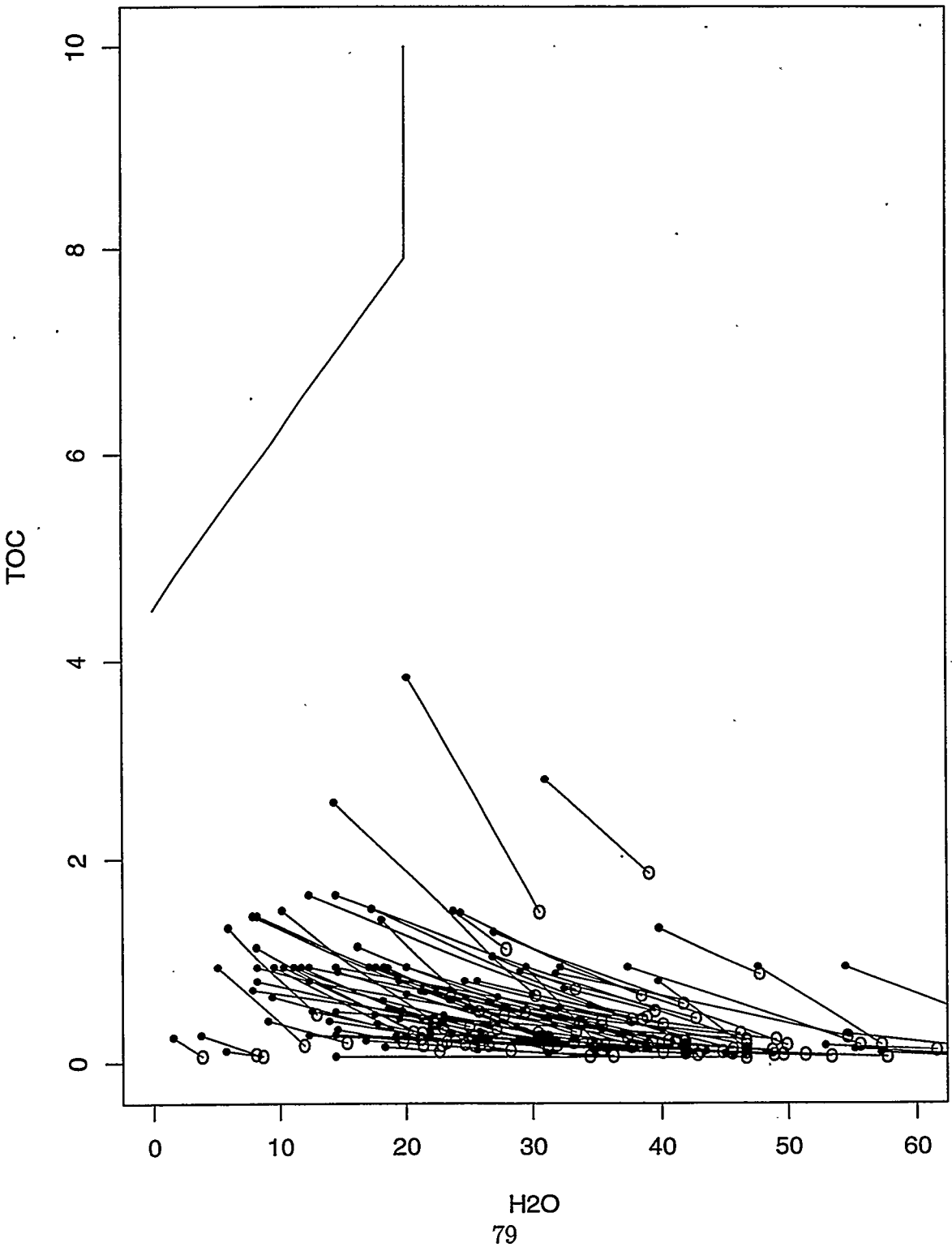


Table 13: Wet CWF Estimates, %

Tank	Grp	Status	Wet CWF Median	Wet CWF Upper 95	Tank	Grp	Status	Wet CWF Median	Wet CWF Upper 95
A-101	1/h	P	6.8e-09	1.9e-07	A-102	3/h	P	5.2e-05	3.2e-02
A-103	3/h	P	6.2e-07	3.6e-04	A-104	2/l	P	6.5e-12	1.3e-05
A-105	2/n	P	4.3e-17	1.0e-06	A-106	1/h	P	2.3e-07	2.8e-04
AX-101	1/h	P	1.6e-09	4.3e-08	AX-102	1/h	P	4.4e-03	4.4e-01
AX-103	1/h	P	1.1e-08	7.1e-06	AX-104	2/l	P	1.7e-14	6.8e-06
B-101	1/l	P	6.6e-11	1.1e-07	B-102	3/l	P	1.6e-06	1.9e-03
B-103	1/l	P	2.2e-16	1.8e-10	B-104	2/n	P	1.8e-14	2.1e-08
B-105	1/l	P	2.6e-10	6.8e-05	B-106	1/l	P	0.0e+00	2.3e-15
B-107	2/n	P	2.1e-13	2.6e-06	B-108	1/l	P	2.7e-10	6.8e-05
B-109	1/m	P	0.0e+00	1.9e-14	B-110	4/l	P	0.0e+00	2.0e-13
B-111	4/m	P	4.6e-19	1.5e-12	B-112	3/l	P	1.2e-11	7.3e-06
B-201	4/s	NA	NA	NA	B-202	4/s	NA	NA	NA
B-203	4/s	NA	NA	NA	B-204	4/s	NA	NA	NA
BX-101	2/l	P	1.8e-08	1.2e-03	BX-102	2/l	P	7.0e-12	2.6e-05
BX-103	4/l	P	6.0e-09	1.2e-05	BX-104	4/h	P	4.3e-09	2.4e-06
BX-105	4/h	P	3.2e-07	1.3e-03	BX-106	3/l	P	1.0e-08	3.6e-05
BX-107	2/l	P	0.0e+00	6.4e-14	BX-108	2/l	P	3.2e-09	6.8e-04
BX-109	2/l	P	0.0e+00	1.5e-14	BX-110	4/l	P	1.4e-08	2.4e-05
BX-111	1/l	P	1.5e-16	1.4e-10	BX-112	2/m	P	4.2e-21	5.5e-14
BY-101	1/l	P	3.4e-09	4.3e-06	BY-102	1/m	P	1.4e-07	1.1e-05
BY-103	1/l	P	8.2e-06	6.0e-03	BY-104	1/l	P	2.5e-05	6.1e-04
BY-105	1/l	P	7.0e-08	2.4e-05	BY-106	1/l	P	1.1e-09	3.0e-08
BY-107	1/l	P	3.2e-09	2.3e-07	BY-108	2/l	P	2.3e-07	1.2e-05
BY-109	1/l	P	4.4e-07	5.8e-05	BY-110	1/l	P	1.3e-06	2.6e-05
BY-111	1/l	P	1.0e-06	4.3e-05	BY-112	1/l	P	3.9e-08	1.6e-06
C-101	2/s	NA	NA	NA	C-102	2/s	NA	NA	NA
C-103	4/s	NA	NA	NA	C-104	2/h	P	2.9e-07	1.6e-05
C-105	2/h	P	5.1e-06	2.6e-03	C-106	4/h	P	2.9e-11	3.5e-06
C-107	2/h	P	0.0e+00	0.0e+00	C-108	2/l	P	1.1e-12	2.1e-08
C-109	4/l	P	7.2e-11	1.8e-07	C-110	4/l	P	1.1e-14	8.8e-09
C-111	2/l	P	1.8e-13	1.3e-08	C-112	2/l	P	7.6e-11	7.3e-08
C-201	2/s	NA	NA	NA	C-202	2/s	NA	NA	NA
C-203	2/s	NA	NA	NA	C-204	2/s	NA	NA	NA
S-101	3/m	P	6.3e-11	1.3e-07	S-102	1/m	P	5.9e-08	1.4e-05
S-103	3/m	P	6.4e-09	1.6e-03	S-104	1/l	P	3.4e-11	6.6e-06
S-105	1/l	P	1.6e-10	1.2e-04	S-106	3/l	P	1.2e-11	1.1e-08
S-107	4/h	P	2.1e-12	5.1e-08	S-108	1/l	P	1.7e-10	7.2e-05
S-109	1/l	P	2.3e-12	9.2e-10	S-110	1/l	P	2.2e-08	5.6e-06
S-111	3/l	P	9.5e-11	6.5e-08	S-112	1/l	P	3.1e-10	1.3e-04

Table 13: Wet CWF Estimates, %

Tank	Grp	Status	Wet CWF Median	Wet CWF Upper 95	Tank	Grp	Status	Wet CWF Median	Wet CWF Upper 95
SX-101	3/h	P	6.0e-13	1.2e-10	SX-102	3/m	P	4.1e-08	1.1e-04
SX-103	1/m	P	7.6e-09	2.2e-03	SX-104	3/m	P	8.3e-09	7.3e-04
SX-105	3/m	P	4.2e-09	1.1e-03	SX-106	3/h	P	1.8e-08	4.7e-06
SX-107	2/n	P	2.2e-13	7.5e-06	SX-108	1/n	P	6.6e-11	8.1e-07
SX-109	1/n	P	1.7e-11	3.6e-05	SX-110	1/l	P	5.6e-10	2.0e-04
SX-111	1/l	P	4.9e-10	1.6e-04	SX-112	1/n	P	1.1e-11	4.6e-05
SX-113	2/n	P	2.3e-14	2.1e-07	SX-114	1/l	P	3.2e-10	1.7e-04
SX-115	1/l	P	7.1e-12	7.5e-05	T-101	2/l	P	8.5e-12	1.5e-05
T-102	4/l	P	0.0e+00	1.4e-08	T-103	4/l	P	2.3e-12	8.4e-06
T-104	4/n	P	0.0e+00	2.9e-14	T-105	2/l	P	1.2e-11	4.6e-08
T-106	2/l	P	2.3e-10	3.4e-04	T-107	4/l	P	1.4e-15	3.6e-11
T-108	1/l	P	5.5e-07	1.4e-02	T-109	1/l	P	3.3e-11	7.3e-06
T-110	4/l	P	7.0e-20	1.0e-13	T-111	4/l	P	8.7e-20	1.1e-15
T-112	4/l	P	1.6e-17	3.2e-10	T-201	2/l	P	0.0e+00	2.4e-18
T-202	2/l	P	0.0e+00	2.8e-19	T-203	2/l	P	0.0e+00	2.4e-19
T-204	2/l	P	0.0e+00	5.5e-20	TX-101	2/l	P	8.6e-12	2.3e-05
TX-102	1/m	P	1.1e-11	3.6e-07	TX-103	1/l	P	3.6e-10	2.1e-04
TX-104	1/h	P	2.4e-14	1.4e-10	TX-105	1/l	P	1.6e-10	9.2e-05
TX-106	1/l	P	1.9e-10	9.8e-05	TX-107	1/l	P	2.1e-09	1.8e-04
TX-108	1/l	P	2.6e-10	2.6e-04	TX-109	2/l	P	4.1e-12	1.7e-05
TX-110	1/l	P	2.9e-10	1.5e-04	TX-111	1/m	P	1.1e-08	1.1e-03
TX-112	1/l	P	2.0e-10	6.1e-05	TX-113	1/l	P	1.7e-10	1.1e-04
TX-114	1/l	P	1.9e-10	1.3e-04	TX-115	1/l	P	1.7e-10	1.9e-04
TX-116	1/l	P	1.8e-10	9.5e-05	TX-117	1/l	P	1.5e-10	1.2e-04
TX-118	1/l	P	2.6e-10	2.2e-04	TY-101	2/l	P	1.1e-15	8.0e-09
TY-102	1/l	P	5.4e-17	1.1e-11	TY-103	1/l	P	9.3e-17	3.2e-12
TY-104	4/l	P	4.1e-12	2.0e-08	TY-105	2/n	P	6.8e-16	8.4e-10
TY-106	2/n	P	1.4e-15	1.1e-10	U-101	4/l	P	1.5e-12	1.1e-05
U-102	3/m	P	2.8e-06	6.6e-05	U-103	3/m	P	1.4e-04	3.3e-02
U-104	2/l	P	6.7e-12	2.4e-05	U-105	3/h	P	5.6e-04	4.4e-03
U-106	3/h	P	7.0e-04	1.6e-02	U-107	3/h	P	5.5e-09	3.0e-06
U-108	3/m	P	1.1e-08	2.9e-07	U-109	3/m	P	8.8e-08	1.9e-06
U-110	2/l	P	1.5e-11	2.2e-07	U-111	1/h	P	4.4e-08	1.8e-04
U-112	4/l	P	4.1e-12	6.9e-06	U-201	4/l	P	1.9e-14	1.8e-08
U-202	4/l	P	7.0e-13	3.5e-07	U-203	4/l	P	6.7e-11	3.9e-05
U-204	4/l	P	0.0e+00	9.6e-13					

Figure 47: Wet CWF verses TOC Estimates

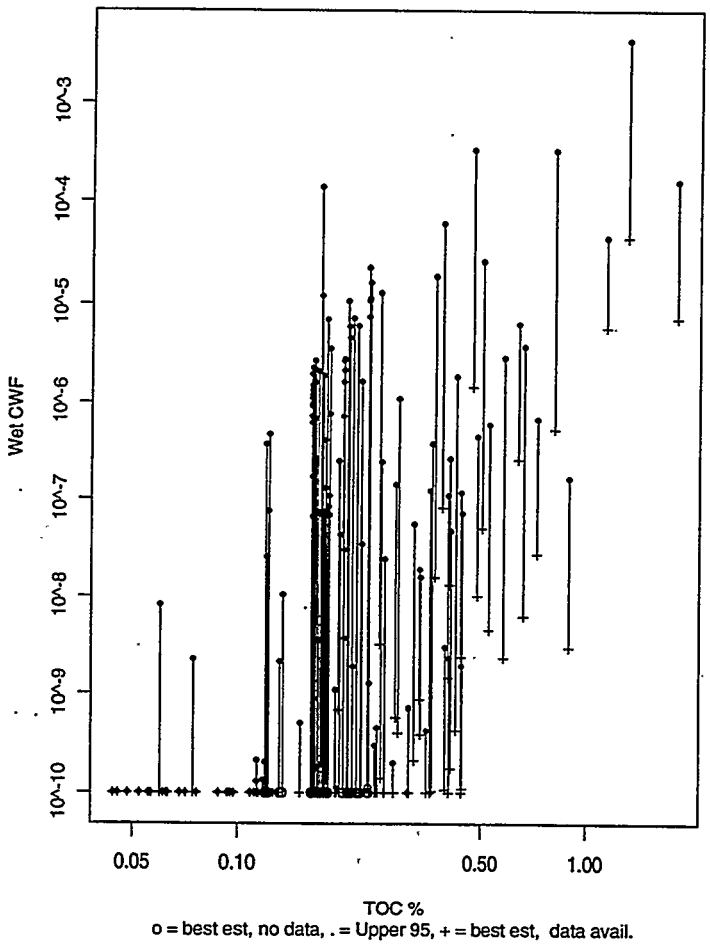


Figure 48: Wet CWF verses H_2O Estimates

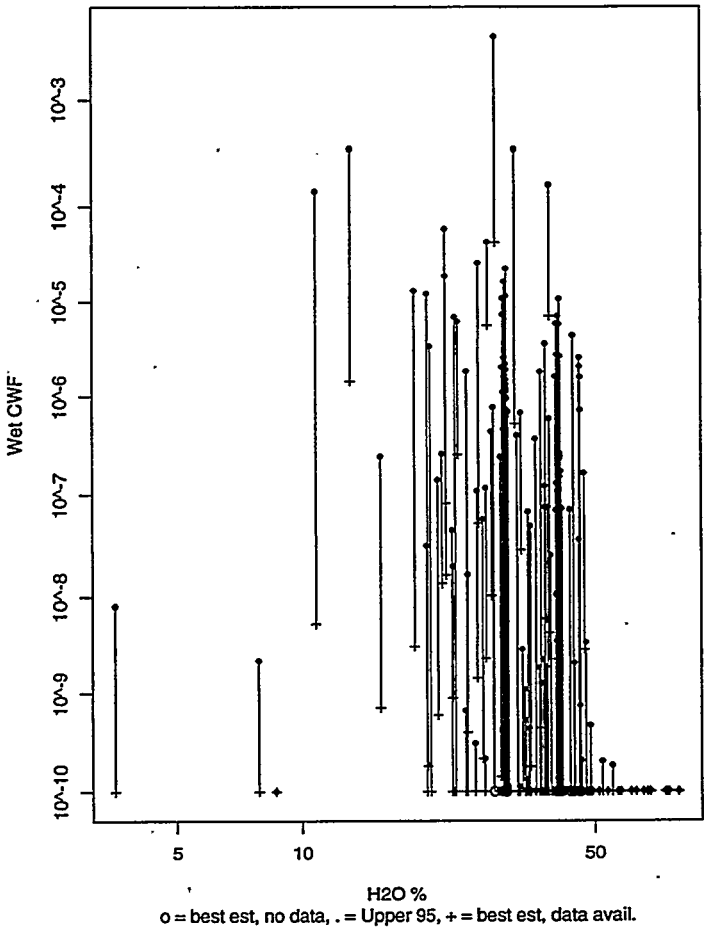
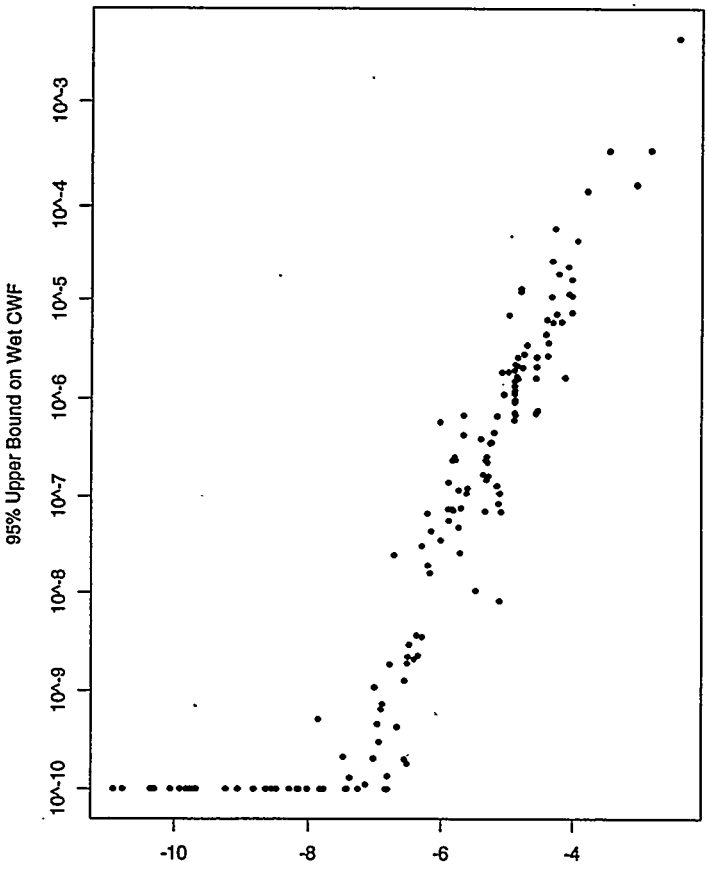


Figure 49: Wet CWF verses H_2O and TOC Estimates



7 Validation of the Dry ANOVA Model

The ANOVA modeling results presented previously in this report should produce reasonable predictions of dry-TOC in unsampled tanks. "Reasonable" in this context means that the predictions and actual values agree within the limits of uncertainty produced by the ANOVA model. In this section, a validation test for the predictive capabilities of this model is discussed and applied.

Data from six recently sampled tanks are compared to the predictions made by the ANOVA model. To make a fair comparison, the ANOVA model was run without the data from these six tanks and these model predictions were then compared to the available data. The tanks used for this validation are AX-103, BX-103, BX-104, BY-109, S-106, and S-110. In table 14, the ANOVA estimates (on the logistic scale) for these tanks are given with the logistic averages obtained from sample data.

7.1 A Chi-Squared Validation Test

In mathematical terms, the ANOVA produced predictions $\hat{\mu}_{ij}$ for each layer j in each of the i tanks listed above, as well as the associated standard errors S_{ij}. The sampling data that is available can be averaged together (on the logistic scale) to form data-derived estimates for each of the layers, which we denote by X_{ij}. Each of these averages will have a standard error given by:

$$Stderr(X_{ij}) = \sigma_e/\sqrt{N_{ij}} \tag{32}$$

where N_{ij} represents the number of sample measurements averaged together to produce X_{ij} and σ_e is the within-layer standard deviation produced by the ANOVA ($\sigma_e^2 = 0.531$).

The most standard test for X_{ij} versus $\hat{\mu}_{ij}$ uses a Chi-squared statistic that compares the distance between the predictions and data to their standard errors. This statistic has the form:

$$\chi^2 = \sum_{i,j} \frac{(X_{ij} - \hat{\mu}_{ij})^2}{S_{ij}^2 + \sigma_e^2/N_{ij}} \tag{33}$$

If the two sets of estimates are the same, we would expect this statistic to have a Chi-squared distribution. On the other hand, if there are significant differences between the ANOVA predictions and the data-derived estimates, the statistic will be much larger than a chi-squared variate.

7.2 Prediction Interval Test

The Chi-squared statistic compares all the predictions with the data-derived estimates in one calculation. One may also desire to check each prediction individually. To accomplish this, we can use the ANOVA estimates to produce a 95% prediction interval for X_{ij}. This prediction interval is given by;

$$\hat{\mu}_{ij} \pm 1.96\sqrt{S_{ij}^2 + \sigma_e^2/N_{ij}} \tag{34}$$

When X_{ij} falls within this interval, the ANOVA prediction can be considered a success; if not, it is suspect. Since these are 95% prediction intervals, one would expect about 5% of the prediction intervals to fail, even when there is nothing wrong with the model, so it would not be unusual to see one or two failures among 20 prediction intervals. However, more than three prediction interval failures would be considered significant.

Table 14: Comparison of ANOVA Predictions to Data

# of	ANOVA Pred.		Data Results			Prediction Test	
Tank	Est.	SD(Est)	Obs.	Est.	SD(Est)	SD.	Statistic
Surface							
AX-103	-3.508	0.887	1	-3.023	0.322	0.944	-0.514
BX-103	-4.300	0.876	0	NA	NA	NA	NA
BX-104	-3.508	0.887	2	-2.838	0.223	0.915	-0.732
BY-109	-4.300	0.876	2	-1.938	0.387	0.958	-2.466
S-106	-4.300	0.876	0	NA	NA	NA	NA
S-110	-4.300	0.876	1	-3.528	0.322	0.933	-0.827
Sub-Surf							
AX-103	-3.508	0.887	2	-3.196	0.234	0.918	-0.340
BX-103	-4.300	0.876	2	-3.217	0.624	1.076	-1.007
BX-104	-3.508	0.887	1	-4.988	0.322	0.944	1.568
BY-109	-4.300	0.876	10	-3.140	0.132	0.886	-1.309
S-106	-4.300	0.876	8	-4.215	0.146	0.888	-0.095
S-110	-4.300	0.876	3	-3.728	0.506	1.012	-0.565

Chi-Squared Value=13.2 DOF=10 P-value=0.213

7.3 Test Results

Table 14 presents the comparisons for the designated tanks. Available data allows one to compare 10 ANOVA estimates to data. For example, the ANOVA estimate for the top layer in AX-103 is -3.508 (0.6% TOC), while the sample data produces an estimate of -3.023 (0.9% TOC), a fairly close agreement. The test statistic column in the table describes how many standard deviations separate the two estimates from each other (i.e. $-3.508 + 3.023)/0.944 = -0.514$). If the two estimates are more than 1.96 standard deviations from each other, one would conclude that the ANOVA estimate does not fit the data. For the example, we see that the test statistic (-0.514) shows that AX-103's ANOVA estimate and data are in good agreement.

An examination of the last column in Table 14 shows that all the individual TOC test statistics have a magnitude less than 1.96, except for tank BY-109 (surface). This tank is in the low TOC tank group and has measured values that are atypically high for this group. The ANOVA estimates, which are basically the group means, are -4.300 (0.27% TOC) while the data-derived estimate is 2.5% TOC, a very large difference.

Even including the tank that does not fit, the over-all Chi-squared test (with a value of 13.2) is not significant at the 5% level. The P-value for the test is 21%, which indicates good agreement between ANOVA predictions and sampling data.

8 Conclusions

The CWF estimates calculated by the methodology described in this report produce the following classification for Hanford single shell tanks:

- Number of unsafe tanks: 0 (Unsafe means the 95% bound on wet CWF is above 5%).
- Number of conditionally safe tanks: 11 (Conditionally safe means the 95% bound on wet CWF is below 5%, but the dry CWF bound is above 5%).
- Number of safe tanks: 127 (Safe means that both the dry and wet 95% CWF bounds are below 5%.
- And 11 special tanks have not been screened, producing a total of 138 tanks screened.

Figure 50: Tank Farm Overview

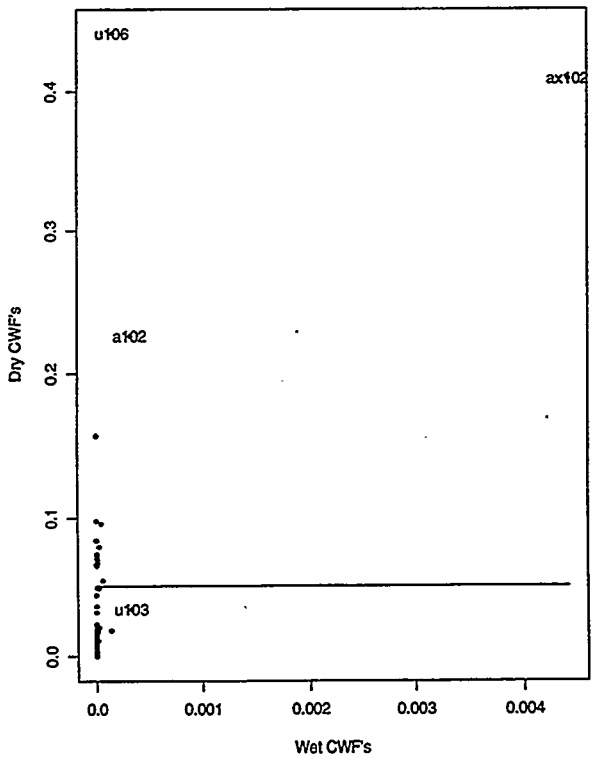


Figure 50 plots all dry CWF bounds verses wet CWF bounds to produce a graphical representation of the screening results. The points above the horizontal 5% line represent the conditionally safe tanks. A vertical line at 5% would demarcate conditionally safe tanks from unsafe tanks. However, because the wet CWF's are so small, this line is not shown on the plot. In fact, the tank with the largest wet CWF is AX-102, and it has a CWF of

0.4%, a value far removed from the 5% threshold. As one can see, the estimates show that all evaluated tanks are currently safe.

The 11 tanks that these calculations have identified as conditionally safe are of most interest. These tanks are those that may be unsafe after dry-out, and as a next step in an evaluation (which is a topic dealt with in [14]), one would want to determine if more detailed information could eliminate any of these tanks from the conditionally safe category.

Using the results in Table 9 and Figure 50, one can predict what effect additional data might have on these 11 tanks. In Figure 50, the conditionally safe tanks can be roughly divided into two groups; Those near the 5% threshold and those far away from it. There are four tanks (U-106, AX-102, A-102, and C-104) that are "far away" from the 5% threshold, with the remaining 7 tanks (A-103, U-105, T-111, U-111, A-106, C-105, and BY-103) near (within a factor of two) to the 5% threshold.

One can generally say that the reason that the tanks near the 5% threshold exceed the 5% threshold is because the CWF is not estimated accurately enough. The "best estimates" for these seven tanks are all below 5%, suggesting that if more data were taken their 95% bounds would eventually approach a value below the 5% threshold and they would become safe.

On the other hand, the four tanks that are "far away" from the 5% threshold do not generally share this property. The best (median) estimate for wet CWF for U-106 is 24.5%, that of AX-102 is 7.3%, that of A-102 is 2.5%, and that of C-104 is 6.8%. Except for A-102, all best estimates for tanks in this group are above the 5% threshold. This suggests that more data would not alter the conditionally safe categorizations of three of these tanks.

It is important to note that none of the conditionally safe tanks are unsampled tanks (see Table 9). Previous estimates of CWF have produced unsampled tanks that were classified as conditionally safe. In the past two years all unsampled tanks that this model has categorized as conditionally safe have been sampled.

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APPENDIX A Summary of (H_2O,TOC) Data and CWF Results by Tanks

The results for each tank are summarized in this appendix, which displays the (1) raw data, (2) the location averages for TOC and H_2O, (3) the ANOVA model results, and finally (4) the CWF uncertainty distributions.

The "Tank Statistics" portion of the summary gives all the values from the ANOVA that are used to calculate reactive waste distributions. This portion also includes a few other miscellaneous values relevant to the calculation. Here is a detailed description of all the statistics that appear;

wet.waste.vol Total waste volume in cubic meters under the current wet condition.

wet.vol.top Waste volume in cubic meters of the surface layer under the current wet condition.

wet.vol.bot Waste volume in cubic meters of the sub-surface layer under the current wet condition.

dry.waste.vol Total waste volume in cubic meters under the dried-out condition.

dry.vol.top Waste volume in cubic meters of surface under the dried-out condition.

dry.vol.bot Waste volume in cubic meters of sub-surface under the dried-out condition.

tank.dia Tank diameter in meters.

rho Correlation between H2O and TOC on the logistic scale.

h2o.mu.top, h2o.mu.bot Logistic means of moisture in the top and sub-surface (bottom) waste layers, units are Logistic(percent-conc).

h2o.sterr.top, h2o.sterr.bot Uncertainties, in the form of a standard deviation, for the two previous mean estimates.

h2o.sigma within layer variability, on the logistic scale, expressed as a standard deviation.

h2o.dof The degrees of freedom associated with h2o.sigma; This defines its uncertainty.

toc stats: toc.mu.top, toc.mu.bot, toc.sterr.top toc.sterr.bot toc.sigma toc.dof; same as the previous statistics, except for TOC. Units are logistic(percent-conc.).

h2o.nobs, h2o.mu Number of H2O data points in the tank, and mean of $\log_{10}(H_2O)$.

toc.nobs, toc.mu Same as the previous statistics, except for TOC.

rw.h2o.mu Best estimates for moisture and TOC in the combustible waste in the tank. Units are %.

h2o.grp Grouping information.

dry.mu.top to dry.nobs Statistics for the dry-TOC ANOVA. These statistics have the same definitions as listed above for the H_2O ANOVA.

toc.mu.top to toc.grp Statistics for the TOC ANOVA. These statistics have the same definitions as listed above for the H_2O ANOVA.

The "Combustible Waste Fractions" portion of the summary gives the percentiles that describe the probability distribution of fraction of combustible waste under the current (Cur) condition and under the dried-out (Dry) condition. This probability distribution describes the uncertainties in the estimates. The 95% bounds on the CWF that are used for screening are listed under the 95% heading in this table.

The definition of combustible waste under wet conditions is given by:

$$TOC > 4.5 + 0.17 \cdot H_2O \ \& \ H_2O < 20 \text{ Wt. } \% \qquad \text{(A–1)}$$

while the definition under dry conditions is:

$$\text{dry-TOC} > 4.5\% \qquad \text{(A–2)}$$

The "Data From Tank" portion contains the data used in the analysis. The fields are:

lab.id Sample id assigned by the lab that did the analysis. This id is reported in TCR's and Lab reports.

ris Riser id.

seg Segment of a core sample. It ranges from 1 to 23, 1 being the top segment. Segment number 99 indicates a data quality problem. Segment number 999 indicates a core composite. Auger and grab samples were assigned 1 as segment number.

repl Indicates whether the result is a primary result (1), a duplicate (2) or a triplicate (3).

date date of sampling.

layer supernate (super), surface (surfa) or sub-surface (sub-s).

h2o H2O in weight %.

toc TOC in weight %.

drytoc Average dry TOC in weight % for the location.

logh2o Average H_2O for the location on the logistic scale.

logtoc Average TOC for the location on the logistic scale.

lgtdry Average dry-TOC for the location on the logistic scale.

The "Data From Tank" portion of the summary is organized by location, which is defined as riser×segment. Data from the same location are grouped into one block, at the bottom of which are the averages of H_2O and TOC of the block. These the logistic transforms of these averages were used as input to the ANOVA's. Unused data records are listed at the end of the data summary for each tank.

Summary for Tank a101

Tank Statistics

wet.waste.vol	=	3607	dry.mu.top	=	-3.385
wet.vol.top	=	82.09	dry.mu.bot	=	-3.277
wet.vol.bot	=	3525	dry.sterr.top	=	0.3829
dry.waste.vol	=	2208	dry.sterr.bot	=	0.1357
dry.vol.top	=	53.31	dry.corr	=	0.1199
dry.vol.bot	=	2155	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	29
h2o.mu.top	=	-0.6164	toc.mu.top	=	-3.811
h2o.mu.bot	=	-0.4529	toc.mu.bot	=	-3.797
h2o.sterr.top	=	0.2597	toc.sterr.top	=	0.3713
h2o.sterr.bot	=	0.09679	toc.sterr.bot	=	0.1261
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	29	toc.nobs	=	29
h2o.mu	=	-0.4596	toc.mu	=	-3.794
rw.h2o.mu	=	0.3499	rw.toc.mu	=	4.559
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.45e-07	3.73e-07	6.87e-07	1.33e-06	3.14e-06	6.83e-06	7.06e-05	0.000677
Dry	0.00235	0.00277	0.00328	0.00398	0.00514	0.0063	0.00889	0.363

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t004691	15	1	1	960711	surfa	29.94	NA				
s96t004691	15	1	2	960711	surfa	28.36	NA				
s96t004691	15	1	1	960711	surfa	NA	0.356				
s96t004691	15	1	2	960711	surfa	NA	0.378				
s96t004689	15	1	1	960711	surfa	31.89	NA				
s96t004689	15	1	2	960711	surfa	32.93	NA				
s96t004689	15	1	1	960711	surfa	NA	0.555				
s96t004689	15	1	2	960711	surfa	NA	0.543				
					a101r15s1	30.8	0.458	0.662	1.488	-0.339	-3.375
s96t004072	15	10	1	960711	sub-s	37.34	NA				
s96t004072	15	10	2	960711	sub-s	38.62	NA				
s96t004072	15	10	1	960711	sub-s	NA	1.220				

s96t004072	15	10	2	960711	sub-s	NA	1.280				
s96t004073	15	10	1	960711	sub-s	38.81	NA				
s96t004073	15	10	2	960711	sub-s	38.50	NA				
s96t004073	15	10	1	960711	sub-s	NA	1.010				
s96t004073	15	10	2	960711	sub-s	NA	1.010				
				a101r15s10		38.3	1.13	1.832	1.583	0.053	-2.294
s96t004115	15	13	1	960711	sub-s	48.17	NA				
s96t004115	15	13	2	960711	sub-s	48.14	NA				
s96t004115	15	13	1	960711	sub-s	NA	0.294				
s96t004115	15	13	2	960711	sub-s	NA	0.297				
s96t004075	15	13	1	960711	sub-s	42.71	NA				
s96t004075	15	13	2	960711	sub-s	43.61	NA				
s96t004075	15	13	1	960711	sub-s	NA	0.195				
s96t004075	15	13	2	960711	sub-s	NA	0.212				
				a101r15s13		47	0.275	0.519	1.672	-0.561	-3.625
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s96t004116	15	14	2	960711	sub-s	52.87	NA				
s96t004116	15	14	1	960711	sub-s	NA	0.277				
s96t004116	15	14	2	960711	sub-s	NA	0.273				
s96t004076	15	14	1	960711	sub-s	45.70	NA				
s96t004076	15	14	2	960711	sub-s	42.98	NA				
s96t004076	15	14	1	960711	sub-s	NA	0.158				
s96t004076	15	14	2	960711	sub-s	NA	0.162				
				a101r15s14		51.4	0.255	0.525	1.711	-0.593	-3.614
s96t004117	15	15	1	960711	sub-s	45.54	NA				
s96t004117	15	15	2	960711	sub-s	46.69	NA				
s96t004117	15	15	1	960711	sub-s	NA	0.307				
s96t004117	15	15	2	960711	sub-s	NA	0.305				
s96t004077	15	15	1	960711	sub-s	44.13	NA				
s96t004077	15	15	2	960711	sub-s	41.50	NA				
s96t004077	15	15	1	960711	sub-s	NA	0.146				
s96t004077	15	15	2	960711	sub-s	NA	0.168				
				a101r15s15		45.1	0.258	0.47	1.654	-0.588	-3.727
s96t004118	15	16	1	960711	sub-s	47.47	NA				
s96t004118	15	16	2	960711	sub-s	47.95	NA				
s96t004118	15	16	1	960711	sub-s	NA	0.258				
s96t004118	15	16	2	960711	sub-s	NA	0.229				
s96t004078	15	16	1	960711	sub-s	46.36	NA				
s96t004078	15	16	2	960711	sub-s	45.81	NA				
s96t004078	15	16	1	960711	sub-s	NA	0.276				
s96t004078	15	16	2	960711	sub-s	NA	0.244				
				a101r15s16		47.2	0.249	0.471	1.674	-0.604	-3.724

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s96t004702   15  18    1 960711 sub-s 15.66    NA
s96t004702   15  18    2 960711 sub-s 17.68    NA
s96t004702   15  18    2 960711 sub-s 22.63    NA
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s96t004702   15  18    2 960711 sub-s    NA 0.097
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s96t004697   15  2     2 960711 sub-s 37.05    NA
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s96t004697   15  2     2 960711 sub-s    NA 0.644
                        a101r15s2  31.6 0.596  0.871    1.5 -0.225  -3.09

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s96t004692   15  3     2 960711 sub-s    NA 0.775
s96t004692   15  3     3 960711 sub-s    NA 0.537
s96t004690   15  3     1 960711 sub-s 33.48    NA
s96t004690   15  3     2 960711 sub-s 33.86    NA
s96t004690   15  3     1 960711 sub-s    NA 0.419
s96t004690   15  3     2 960711 sub-s    NA 0.548
                        a101r15s3  32.7 0.568  0.845  1.515 -0.245 -3.121

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s96t004698   15  4     1 960711 sub-s 33.13    NA
s96t004698   15  4     1 960711 sub-s 36.88    NA
s96t004698   15  4     2 960711 sub-s 22.39    NA
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s96t004698   15  4     1 960711 sub-s    NA 0.642
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				a101r15s4		32.6	0.645	0.957	1.513	-0.191	-2.991	
s96t004695	15	6	1	960711	sub-s	33.51	NA					
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s96t004695	15	6	2	960711	sub-s	NA	0.707					
s96t004695	15	6	3	960711	sub-s	NA	0.402					
s96t004699	15	6	1	960711	sub-s	31.39	NA					
s96t004699	15	6	2	960711	sub-s	24.75	NA					
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s96t004699	15	6	2	960711	sub-s	NA	0.560					
				a101r15s6		31	0.513	0.744	1.492	-0.29	-3.253	
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s96t004074	15	7	1	960711	sub-s	36.35	NA					
s96t004074	15	7	2	960711	sub-s	35.70	NA					
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s96t004074	15	7	2	960711	sub-s	NA	0.547					
				a101r15s7		36.7	0.514	0.813	1.565	-0.289	-3.162	
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s96t004696	15	9	2	960711	sub-s	29.07	NA					
s96t004696	15	9	1	960711	sub-s	NA	0.808					
s96t004696	15	9	2	960711	sub-s	NA	0.931					
s96t004700	15	9	1	960711	sub-s	26.43	NA					
s96t004700	15	9	2	960711	sub-s	27.84	NA					
s96t004700	15	9	1	960711	sub-s	NA	0.926					
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				a101r15s9		28.6	1.02	1.425	1.456	0.008	-2.567	
s96t005243	15	999	1	960711	sub-s	40.31	NA					
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s96t005243	15	999	2	960711	sub-s	NA	0.479					
				a101r15s999		40	0.463	0.772	1.602	-0.334	-3.215	
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s96t004533	24	1	2	960711	surfa	NA	0.363					
				a101r24s1		38.2	0.37	0.598	1.582	-0.432	-3.48	

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s96t004546   24  10     1 960711 sub-s 21.13    NA
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s96t004547   24  10     1 960711 sub-s 43.08    NA
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s96t004585   24  14     2 960711 sub-s    NA 0.329
s96t004550   24  14     1 960711 sub-s 41.33    NA
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s96t004551   24  15     1 960711 sub-s 45.26    NA
s96t004551   24  15     2 960711 sub-s 42.98    NA
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s96t004280   24  18     2 960711 sub-s    NA 0.349
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s96t004536   24  3      1 960711 sub-s 29.49    NA
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s96t004534   24  3      1 960711 sub-s 34.10    NA
s96t004534   24  3      2 960711 sub-s 35.61    NA
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s96t004534	24	3	2	960711	sub-s	NA	0.537					
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s96t004537	24	4	2	960711	sub-s	NA	0.674					
s96t004538	24	4	1	960711	sub-s	25.83	NA					
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s96t004538	24	4	1	960711	sub-s	NA	0.541					
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				a101r24s4		30	0.6	0.858	1.478	-0.222	-3.105	
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s96t004542	24	6	1	960711	sub-s	33.74	NA					
s96t004542	24	6	2	960711	sub-s	34.50	NA					
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				a101r24s6		33.9	0.775	1.173	1.53	-0.111	-2.776	
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s96t004543	24	7	2	960711	sub-s	NA	0.576					
s96t004535	24	7	1	960711	sub-s	36.06	NA					
s96t004535	24	7	2	960711	sub-s	31.05	NA					
s96t004535	24	7	1	960711	sub-s	NA	0.587					
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s96t004544	24	8	2	960711	sub-s	NA	0.937				
s96t004545	24	8	1	960711	sub-s	31.66	NA				
s96t004545	24	8	1	960711	sub-s	40.81	NA				
s96t004545	24	8	2	960711	sub-s	29.55	NA				
s96t004545	24	8	2	960711	sub-s	32.22	NA				
s96t004545	24	8	1	960711	sub-s	NA	0.973				
s96t004545	24	8	2	960711	sub-s	NA	0.996				
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Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t002012	4	1	2	del.sup	960403	super	44.78	NA
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s96t002013	4	1	2	del.sup	960403	super	47.22	NA
s96t002013	4	1	1	del.sup	960403	super	NA	0.389
s96t002013	4	1	2	del.sup	960403	super	NA	0.405
s96t002014	4	1	2	del.sup	960403	super	46.88	NA
s96t002014	4	1	1	del.sup	960403	super	47.15	NA
t-2692	na1	NA	1	del.sup	800822	super	65.86	NA
t-2692	na2	NA	1	del.sup	800822	super	NA	3.364
t-2691	na3	NA	1	del.sup	800822	super	63.92	NA
t-2691	na4	NA	1	del.sup	800822	super	NA	2.744
rat-a101-7b	na5	NA	1	del.sup	791102	super	50.25	NA
rat-a101-7b	na6	NA	1	del.sup	791102	super	NA	1.451
rat-a101-3	na7	NA	1	del.sup	801022	super	46.10	NA
rat-a101-3	na8	NA	1	del.sup	801022	super	NA	1.322
4218	na9	NA	1	del.sup	800922	super	50.56	NA
4218	na1	NA	1	del.sup	800922	super	NA	1.210
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s96t004689	15	1	NA	del.dup	960718	surfa	31.89	NA
s96t004697	15	2	NA	del.dup	960718	sub-s	26.61	NA
s96t004693	15	2	NA	del.dup	960718	sub-s	32.42	NA
s96t004697	15	NA	NA	del.dup	960718	sub-s	30.15	NA
s96t004692	15	3	NA	del.dup	960718	sub-s	32.98	NA
s96t004690	15	3	NA	del.dup	960718	sub-s	33.48	NA
s96t004698	15	4	NA	del.dup	960718	sub-s	36.88	NA
s96t004694	15	4	NA	del.dup	960718	sub-s	35.61	NA
s96t004698	15	4	NA	del.dup	960718	sub-s	33.13	NA
s96t004695	15	6	NA	del.dup	960718	sub-s	33.51	NA
s96t004699	15	6	NA	del.dup	960718	sub-s	31.39	NA
s96t004074	15	7	NA	del.rep	960718	sub-s	36.35	NA
s96t004067	15	7	NA	del.rep	960718	sub-s	33.37	NA

s96t004696	15	9	NA	del.dup	960718	sub-s	30.94	NA
s96t004700	15	9	NA	del.dup	960718	sub-s	26.43	NA
s96t004073	15	10	NA	del.rep	960718	sub-s	38.81	NA
s96t004072	15	10	NA	del.rep	960718	sub-s	37.34	NA
s96t004075	15	13	NA	del.rep	960718	sub-s	42.71	NA
s96t004076	15	14	NA	del.rep	960718	sub-s	45.70	NA
s96t004077	15	15	NA	del.rep	960718	sub-s	44.13	NA
s96t004078	15	16	NA	del.rep	960718	sub-s	46.36	NA
s96t004702.1	15	18	NA	del.rep	960718	sub-s	11.66	NA
s96t004702	15	18	NA	del.rep	960718	sub-s	15.66	NA
s96t004701	15	19	NA	del.dup	960718	sub-s	72.15	NA
s96t005243	15	999	NA	del.rep	960718	sub-s	40.31	NA
s96t004533	24	1	NA	del.rep	960725	surfa	38.69	NA
s96t004534	24	3	NA	del.dup	960725	sub-s	34.10	NA
s96t004536	24	3	NA	del.dup	960725	sub-s	29.49	NA
s96t004537	24	4	NA	del.dup	960725	sub-s	29.72	NA
s96t004538	24	4	NA	del.dup	960725	sub-s	25.83	NA
s96t004539	24	5	NA	del.dup	960725	sub-s	37.20	NA
s96t004540	24	5	NA	del.dup	960725	sub-s	30.65	NA
s96t004541	24	6	NA	del.dup	960725	sub-s	31.18	NA
s96t004542	24	6	NA	del.dup	960725	sub-s	33.74	NA
s96t004535	24	7	NA	del.dup	960725	sub-s	36.06	NA
s96t004543	24	7	NA	del.rep	960725	sub-s	31.05	NA
s96t004544	24	8	NA	del.rep	960725	sub-s	26.34	NA
s96t004545	24	8	NA	del.dup	960725	sub-s	40.81	NA
s96t004545	24	8	NA	del.dup	960725	sub-s	31.66	NA
s96t004546	24	10	NA	del.rep	960725	sub-s	21.13	NA
s96t004547	24	10	NA	del.rep	960725	sub-s	43.08	NA
s96t004548	24	11	NA	del.rep	960725	sub-s	46.61	NA
s96t004549	24	12	NA	del.rep	960725	sub-s	45.89	NA
s96t004279	24	13	NA	del.rep	960725	sub-s	47.48	NA
s96t004550	24	14	NA	del.rep	960725	sub-s	41.33	NA
s96t004551	24	15	NA	del.rep	960725	sub-s	45.26	NA
s96t004552	24	17	NA	del.rep	960725	sub-s	44.10	NA
s96t004280	24	18	NA	del.rep	960725	sub-s	42.11	NA
s96t004110	15	11	NA	del.lin	960718	sub-s	93.67	NA
s96t004115	15	13	NA	del.dup	960718	sub-s	48.17	NA
s96t004116	15	14	NA	del.dup	960718	sub-s	52.91	NA
s96t004117	15	15	NA	del.dup	960718	sub-s	45.54	NA
s96t004118	15	16	NA	del.dup	960718	sub-s	47.47	NA
s96t004671	15	17	NA	del.dup	960718	sub-s	93.44	NA
s96t004669	15	18	NA	del.dup	960718	sub-s	45.44	NA
s96t004672	15	19	NA	del.dup	960718	sub-s	76.59	NA
s96t004582	24	10	NA	del.dup	960725	sub-s	47.02	NA
s96t004584	24	11	NA	del.dup	960725	sub-s	47.00	NA
s96t004583	24	11	NA	del.dup	960725	sub-s	46.75	NA

s96t004289	24	13	NA	del.dup	960725	sub-s	47.09	NA
s96t004585	24	14	NA	del.dup	960725	sub-s	46.02	NA
s96t004586	24	15	NA	del.dup	960725	sub-s	46.82	NA
s96t004587	24	17	NA	del.dup	960725	sub-s	46.46	NA
s96t004290	24	18	NA	del.dup	960725	sub-s	47.29	NA
s96t004691	15	1	NA	del.rep	960718	surfa	NA	0.356
s96t004689	15	1	NA	del.rep	960718	surfa	NA	0.555
s96t004693	15	2	NA	del.rep	960718	sub-s	NA	0.574
s96t004692	15	3	NA	del.rep	960718	sub-s	NA	0.563
s96t004690	15	3	NA	del.rep	960718	sub-s	NA	0.419
s96t004694	15	4	NA	del.rep	960718	sub-s	NA	0.672
s96t004698	15	4	NA	del.dup	960718	sub-s	NA	0.642
s96t004695	15	5	NA	del.rep	960718	sub-s	NA	0.509
s96t004699	15	5	NA	del.dup	960718	sub-s	NA	0.388
s96t004067	15	6	NA	del.rep	960718	sub-s	NA	0.561
s96t004074	15	6	NA	del.rep	960718	sub-s	NA	0.356
s96t004696	15	9	NA	del.dup	960718	sub-s	NA	0.808
s96t004700	15	9	NA	del.dup	960718	sub-s	NA	0.926
s96t004072	15	10	NA	del.rep	960718	sub-s	NA	1.220
s96t004073	15	10	NA	del.rep	960718	sub-s	NA	1.010
s96t004075	15	13	NA	del.rep	960718	sub-s	NA	0.195
s96t004076	15	14	NA	del.rep	960718	sub-s	NA	0.158
s96t004077	15	15	NA	del.rep	960718	sub-s	NA	0.146
s96t004078	15	16	NA	del.rep	960718	sub-s	NA	0.276
s96t004702	15	18	NA	del.rep	960718	sub-s	NA	0.008
s96t004701	15	19	NA	del.dup	960718	sub-s	NA	0.130
s96t004533	15	1	NA	del.rep	960718	surfa	NA	0.376
s96t004534	15	2	NA	del.dup	960718	sub-s	NA	0.677
s96t004536	15	2	NA	del.rep	960718	sub-s	NA	0.409
s96t004537	15	4	NA	del.rep	960718	sub-s	NA	0.640
s96t004538	15	4	NA	del.rep	960718	sub-s	NA	0.541
s96t004539	15	5	NA	del.rep	960718	sub-s	NA	0.765
s96t004540	15	5	NA	del.rep	960718	sub-s	NA	0.690
s96t004541	15	6	NA	del.rep	960718	sub-s	NA	0.716
s96t004542	15	6	NA	del.rep	960718	sub-s	NA	0.657
s96t004535	15	7	NA	del.rep	960718	sub-s	NA	0.587
s96t004544	15	8	NA	del.rep	960718	sub-s	NA	1.020
s96t004545	15	8	NA	del.rep	960718	sub-s	NA	0.973
s96t004547	15	10	NA	del.rep	960718	sub-s	NA	1.070
s96t004546	15	10	NA	del.rep	960718	sub-s	NA	0.254
s96t004549	15	12	NA	del.rep	960718	sub-s	NA	0.203
s96t004552	15	17	NA	del.rep	960718	sub-s	NA	0.186
s96t005243	15	999	NA	del.rep	960718	sub-s	NA	0.447
s96t004110	15	11	1	del.lin	960711	sub-s	93.67	NA
s96t004110	15	11	2	del.lin	960711	sub-s	93.07	NA
s96t004110	15	11	1	del.lin	960711	sub-s	NA	0.081

s96t004110	15	11	2	del.lin	960711	sub-s	NA	0.109
s96t004110	15	11	3	del.lin	960711	sub-s	NA	0.061
s96t004671	15	17	1	del.lin	960711	sub-s	93.44	NA
s96t004671	15	17	2	del.lin	960711	sub-s	93.54	NA
s96t004671	15	17	1	del.lin	960711	sub-s	NA	0.031
s96t004671	15	17	2	del.lin	960711	sub-s	NA	0.123
s96t004671	15	17	3	del.lin	960711	sub-s	NA	0.069
s96t004672	15	19	1	del.lin	960711	sub-s	76.59	NA
s96t004672	15	19	2	del.lin	960711	sub-s	72.84	NA
s96t004672	15	19	1	del.lin	960711	sub-s	NA	0.148
s96t004672	15	19	2	del.lin	960711	sub-s	NA	0.168
s96t004701	15	19	1	del.lin	960711	sub-s	72.15	NA
s96t004701	15	19	2	del.lin	960711	sub-s	68.73	NA
s96t004701	15	19	1	del.lin	960711	sub-s	NA	0.130
s96t004701	15	19	2	del.lin	960711	sub-s	NA	0.117

Summary for Tank a102

Tank Statistics

wet.waste.vol	=	140	dry.mu.top	=	-2.661
wet.vol.top	=	82.09	dry.mu.bot	=	-2.87
wet.vol.bot	=	57.96	dry.sterr.top	=	0.5584
dry.waste.vol	=	94.39	dry.sterr.bot	=	0.7124
dry.vol.top	=	53.96	dry.corr	=	0.5981
dry.vol.bot	=	40.43	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.6515	toc.mu.top	=	-3.043
h2o.mu.bot	=	-0.8357	toc.mu.bot	=	-3.371
h2o.sterr.top	=	0.3326	toc.sterr.top	=	0.5427
h2o.sterr.bot	=	0.4741	toc.sterr.bot	=	0.7243
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-0.6535	toc.mu	=	-2.571
rw.h2o.mu	=	0.1912	rw.toc.mu	=	4.533
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.26e-05	0.000234	0.000695	0.00195	0.013	0.0452	0.522	3.95
Dry	0.0248	0.0379	0.0577	0.0901	0.154	0.226	0.375	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001171	19	1	2	950607	surfa	30.66	NA				
s95t001171	19	1	1	950607	surfa	33.59	NA				
					a102r19s1	32.1	NA	NA	1.507	NA	NA
s96t001620	5	1	1	960321	surfa	36.13	NA				
s96t001620	5	1	2	960321	surfa	36.63	NA				
s96t001620	5	1	2	960321	surfa	NA	1.01				
s96t001620	5	1	3	960321	surfa	NA	1.46				
s96t001620	5	1	1	960321	surfa	NA	1.79				
					a102r5s1	36.4	1.42	2.232	1.561	0.152	-2.074

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc

```
s98t000139  96-    1    2 del.prs 980430 surfa 10.02   NA
s98t000139  96-    1    1 del.prs 980430 surfa 10.58   NA
s98t000439  96-    1    1 del.prs 980430 surfa    NA 1.65
s98t000439  96-    1    2 del.prs 980430 surfa    NA 1.88
s98t000139  96-    1    2 del.prs 980430 surfa    NA 2.11
s98t000139  96-    1    1 del.prs 980430 surfa    NA 2.12
```

Summary for Tank a103

Tank Statistics

wet.waste.vol	=	1385	dry.mu.top	=	-3.045
wet.vol.top	=	82.09	dry.mu.bot	=	-2.894
wet.vol.bot	=	1303	dry.sterr.top	=	0.6629
dry.waste.vol	=	849.9	dry.sterr.bot	=	0.4414
dry.vol.top	=	47.57	dry.corr	=	0.5081
dry.vol.bot	=	802.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.321	toc.mu.top	=	-3.406
h2o.mu.bot	=	-0.4711	toc.mu.bot	=	-3.373
h2o.sterr.top	=	0.477	toc.sterr.top	=	0.6771
h2o.sterr.bot	=	0.3324	toc.sterr.bot	=	0.4207
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-0.3971	toc.mu	=	-3.193
rw.h2o.mu	=	0.3463	rw.toc.mu	=	4.559
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	8.56e-06	2.12e-05	5.38e-05	0.000191	0.00129	0.00498	0.0618	0.693
Dry	0.0114	0.0168	0.0249	0.0381	0.0655	0.0977	0.186	0.41

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
b2xc00xx	na1	NA	NA	NA	sub-s	NA	0.773				
		**********				38.4	0.773	1.256	1.585	-0.112	-2.703
b1xc00xx	na1	NA	NA	NA	sub-s	NA	0.804				
		**********				38.4	0.804	1.306	1.585	-0.095	-2.661
b2xc00xx	na6	NA	NA	NA	sub-s	40.3	NA				
		**********				40.3	NA	NA	1.605	NA	NA
b1xc00xx	na6	NA	NA	NA	sub-s	40.1	NA				
		**********				40.1	NA	NA	1.603	NA	NA

Summary for Tank a104

Tank Statistics

wet.waste.vol	=	106	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	23.89	dry.sterr.top	=	0.8727
dry.waste.vol	=	62.55	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	13.89	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.432	rw.toc.mu	=	4.573
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	6.93e-12	1.23e-10	1.97e-09	3.47e-08	1.44e-06	1.37e-05	0.00327	0.331
Dry	3.78e-05	0.000121	0.000385	0.00132	0.00604	0.0186	0.077	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank a105

Tank Statistics

wet.waste.vol	=	71.92	dry.mu.top	=	-4.565
wet.vol.top	=	71.92	dry.mu.bot	=	-4.565
wet.vol.bot	=	0	dry.sterr.top	=	0.9397
dry.waste.vol	=	42.63	dry.sterr.bot	=	0.9397
dry.vol.top	=	42.63	dry.corr	=	0.7906
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4212	rw.toc.mu	=	4.572
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.12e-17	5.19e-15	9.23e-13	9.65e-11	9.01e-09	7.45e-07	0.00135	0.109
Dry	1.93e-06	9.05e-06	4.21e-05	0.000217	0.00161	0.00658	0.0511	1

Data From Tank

No Data Associated with This Tank

Summary for Tank a106

Tank Statistics

wet.waste.vol	=	473.1	dry.mu.top	=	-3.111
wet.vol.top	=	82.09	dry.mu.bot	=	-2.982
wet.vol.bot	=	391	dry.sterr.top	=	0.6629
dry.waste.vol	=	278.7	dry.sterr.bot	=	0.4414
dry.vol.top	=	50.76	dry.corr	=	0.5081
dry.vol.bot	=	227.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.4828	toc.mu.top	=	-3.51
h2o.mu.bot	=	-0.3342	toc.mu.bot	=	-3.509
h2o.sterr.top	=	0.4668	toc.sterr.top	=	0.6771
h2o.sterr.bot	=	0.3317	toc.sterr.bot	=	0.4207
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-0.2392	toc.mu	=	-3.366
rw.h2o.mu	=	0.44	rw.toc.mu	=	4.575
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.09e-06	3.24e-06	1.19e-05	4.27e-05	0.00032	0.00131	0.0181	0.852
Dry	0.00905	0.0135	0.0203	0.0315	0.0548	0.0826	0.149	0.729

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
a2xc00xx	na1	NA	NA	NA	sub-s	NA	0.715				
		**********				41.7	0.715	1.227	1.62	-0.146	-2.728
a1xc00xx	na1	NA	NA	NA	sub-s	NA	0.623				
		**********				41.7	0.623	1.069	1.62	-0.206	-2.874
a2xc00xx	na6	NA	NA	NA	sub-s	43.0	NA				
		**********				43	NA	NA	1.633	NA	NA
a1xc00xx	na6	NA	NA	NA	sub-s	45.1	NA				
		**********				45.1	NA	NA	1.654	NA	NA

Summary for Tank ax101

Tank Statistics

wet.waste.vol	=	2831	dry.mu.top	=	-3.867
wet.vol.top	=	82.09	dry.mu.bot	=	-3.576
wet.vol.bot	=	2749	dry.sterr.top	=	0.4519
dry.waste.vol	=	1833	dry.sterr.bot	=	0.1337
dry.vol.top	=	54.86	dry.corr	=	0.1388
dry.vol.bot	=	1778	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	29
h2o.mu.top	=	-0.7004	toc.mu.top	=	-4.293
h2o.mu.bot	=	-0.6048	toc.mu.bot	=	-4.031
h2o.sterr.top	=	0.3004	toc.sterr.top	=	0.4468
h2o.sterr.bot	=	0.09395	toc.sterr.bot	=	0.1242
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	30	toc.nobs	=	29
h2o.mu	=	-0.6052	toc.mu	=	-4.044
rw.h2o.mu	=	0.247	rw.toc.mu	=	4.542
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.48e-08	7.56e-08	1.3e-07	2.3e-07	5.41e-07	1.21e-06	7.12e-06	0.000119
Dry	0.000589	0.000711	0.000865	0.00108	0.00145	0.00185	0.00268	0.333

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s98t000085	226	1	1	980430	surfa	32.22	NA				
s98t000085	226	1	2	980430	surfa	36.74	NA				
s98t000090	226	1	1	980430	surfa	52.87	NA				
s98t000090	226	1	2	980430	surfa	53.05	NA				
s98t000090	226	1	2	980430	surfa	NA	0.123				
s98t000090	226	1	1	980430	surfa	NA	0.140				
s98t000085	226	1	1	980430	surfa	NA	0.147				
s98t000085	226	1	2	980430	surfa	NA	0.182				
				ax101r226s1		34.5	0.164	0.251	1.538	-0.784	-4.365
s98t000250	226	10	2	980430	sub-s	37.58	NA				
s98t000246	226	10	2	980430	sub-s	38.49	NA				
s98t000246	226	10	1	980430	sub-s	38.53	NA				

s98t000250	226	10	1	980430	sub-s	40.43	NA				
s98t000246	226	10	1	980430	sub-s	NA	0.494				
s98t000246	226	10	2	980430	sub-s	NA	0.553				
s98t000250	226	10	2	980430	sub-s	NA	0.584				
s98t000250	226	10	1	980430	sub-s	NA	0.638				
				ax101r226s10		38.8	0.567	0.926	1.588	-0.246	-3.025
s98t000251	226	11	2	980430	sub-s	31.78	NA				
s98t000247	226	11	2	980430	sub-s	41.12	NA				
s98t000247	226	11	1	980430	sub-s	41.90	NA				
s98t000251	226	11	1	980430	sub-s	42.38	NA				
s98t000294	226	11	1	980430	sub-s	47.26	NA				
s98t000294	226	11	2	980430	sub-s	47.36	NA				
s98t000247	226	11	2	980430	sub-s	NA	0.142				
s98t000247	226	11	1	980430	sub-s	NA	0.173				
s98t000251	226	11	1	980430	sub-s	NA	0.182				
s98t000251	226	11	2	980430	sub-s	NA	0.199				
s98t000295	226	11	2	980430	sub-s	NA	0.262				
s98t000295	226	11	1	980430	sub-s	NA	0.312				
				ax101r226s11		39.3	0.174	0.287	1.594	-0.759	-4.231
s98t000248	226	12	1	980430	sub-s	37.82	NA				
s98t000248	226	12	2	980430	sub-s	40.77	NA				
s98t000252	226	12	1	980430	sub-s	43.03	NA				
s98t000252	226	12	2	980430	sub-s	43.20	NA				
s98t000300	226	12	2	980430	sub-s	46.95	NA				
s98t000300	226	12	1	980430	sub-s	47.18	NA				
s98t000252	226	12	1	980430	sub-s	NA	0.134				
s98t000248	226	12	1	980430	sub-s	NA	0.147				
s98t000248	226	12	2	980430	sub-s	NA	0.148				
s98t000252	226	12	2	980430	sub-s	NA	0.156				
s98t000288	226	12	2	980430	sub-s	NA	0.197				
s98t000288	226	12	1	980430	sub-s	NA	0.217				
s98t000300	226	12	2	980430	sub-s	NA	0.272				
s98t000300	226	12	1	980430	sub-s	NA	0.305				
				ax101r226s12		41.2	0.166	0.283	1.615	-0.779	-4.243
s98t000253	226	13	1	980430	sub-s	30.20	NA				
s98t000253	226	13	2	980430	sub-s	37.59	NA				
s98t000301	226	13	1	980430	sub-s	47.72	NA				
s98t000301	226	13	2	980430	sub-s	47.91	NA				
s98t000304	226	13	2	980430	sub-s	NA	0.181				
s98t000304	226	13	1	980430	sub-s	NA	0.186				
s98t000253	226	13	1	980430	sub-s	NA	0.202				
s98t000253	226	13	2	980430	sub-s	NA	0.220				
				ax101r226s13		33.9	0.211	0.319	1.53	-0.676	-4.122

```
s98t000249  226  14     1 980430 sub-s 19.36    NA
s98t000249  226  14     2 980430 sub-s 20.16    NA
s98t000254  226  14     1 980430 sub-s 22.12    NA
s98t000254  226  14     2 980430 sub-s 25.30    NA
s98t000302  226  14     1 980430 sub-s 47.56    NA
s98t000302  226  14     2 980430 sub-s 47.63    NA
s98t000305  226  14     2 980430 sub-s    NA 0.018
s98t000305  226  14     1 980430 sub-s    NA 0.182
s98t000249  226  14     2 980430 sub-s    NA 0.339
s98t000249  226  14     1 980430 sub-s    NA 0.412
s98t000254  226  14     2 980430 sub-s    NA 0.613
s98t000254  226  14     1 980430 sub-s    NA 0.620
                         ax101r226s14  21.7 0.496  0.634  1.337 -0.305  -3.42

s98t000507  226  15     1 980430 sub-s 29.44    NA
s98t000507  226  15     2 980430 sub-s 29.57    NA
s98t000514  226  15     1 980430 sub-s 47.08    NA
s98t000514  226  15     2 980430 sub-s 47.24    NA
s98t000514  226  15     1 980430 sub-s    NA 0.348
s98t000514  226  15     2 980430 sub-s    NA 0.356
s98t000507  226  15     1 980430 sub-s    NA 0.467
                         ax101r226s15  29.5 0.467  0.662   1.47 -0.331 -3.374

s98t000097  226  2      1 980430 sub-s 35.26    NA
s98000093   226  2      1 980430 sub-s 36.40    NA
s98t000097  226  2      2 980430 sub-s 36.43    NA
s98000093   226  2      2 980430 sub-s 38.78    NA
s98t000093  226  2      2 980430 sub-s    NA 0.375
s98t000093  226  2      1 980430 sub-s    NA 0.409
s98t000097  226  2      1 980430 sub-s    NA 0.437
s98t000097  226  2      2 980430 sub-s    NA 0.521
                          ax101r226s2  36.7 0.436  0.688  1.565 -0.361 -3.334

s98t000106  226  3      1 980430 sub-s 33.52    NA
s98t000106  226  3      2 980430 sub-s 33.70    NA
s98t000105  226  3      2 980430 sub-s 34.48    NA
s98t000105  226  3      1 980430 sub-s 43.24    NA
s98t000106  226  3      1 980430 sub-s    NA 0.312
s98t000106  226  3      2 980430 sub-s    NA 0.331
s98t000105  226  3      1 980430 sub-s    NA 0.400
s98t000105  226  3      2 980430 sub-s    NA 0.452
                          ax101r226s3  36.2 0.374  0.586  1.559 -0.427   -3.5

s98t000108  226  4      2 980430 sub-s 25.04    NA
s98t000107  226  4      2 980430 sub-s 34.01    NA
```

```
s98t000108  226  4      1 980430 sub-s 35.69    NA
s98t000107  226  4      1 980430 sub-s 36.72    NA
s98t000107  226  4      2 980430 sub-s    NA 0.461
s98t000107  226  4      1 980430 sub-s    NA 0.474
s98t000108  226  4      1 980430 sub-s    NA 0.495
s98t000108  226  4      2 980430 sub-s    NA 0.511
                        ax101r226s4  32.9 0.485  0.723  1.517 -0.314 -3.284

s98t000110  226  5      1 980430 sub-s 31.87    NA
s98t000110  226  5      2 980430 sub-s 34.10    NA
s98t000109  226  5      2 980430 sub-s 39.75    NA
s98t000109  226  5      1 980430 sub-s 40.32    NA
s98t000109  226  5      1 980430 sub-s    NA 0.424
s98t000109  226  5      2 980430 sub-s    NA 0.487
s98t000110  226  5      1 980430 sub-s    NA 0.524
s98t000110  226  5      2 980430 sub-s    NA 0.595
                        ax101r226s5  36.5 0.507  0.799  1.562 -0.295 -3.179

s98t000148  226  6      2 980430 sub-s 34.67    NA
s98t000147  226  6      1 980430 sub-s 35.01    NA
s98t000148  226  6      1 980430 sub-s 35.23    NA
s98t000147  226  6      2 980430 sub-s 35.25    NA
s98t000148  226  6      1 980430 sub-s    NA 0.473
s98t000148  226  6      2 980430 sub-s    NA 0.507
s98t000147  226  6      1 980430 sub-s    NA 0.511
s98t000147  226  6      2 980430 sub-s    NA 0.561
                        ax101r226s6    35 0.513   0.79  1.545  -0.29 -3.192

s98t000150  226  7      2 980430 sub-s 34.56    NA
s98t000150  226  7      1 980430 sub-s 35.18    NA
s98t000149  226  7      2 980430 sub-s 35.72    NA
s98t000149  226  7      1 980430 sub-s 36.13    NA
s98t000149  226  7      2 980430 sub-s    NA 0.455
s98t000149  226  7      1 980430 sub-s    NA 0.510
s98t000150  226  7      2 980430 sub-s    NA 0.513
s98t000150  226  7      1 980430 sub-s    NA 0.531
                        ax101r226s7  35.4 0.502  0.777  1.549 -0.299 -3.208

s98t001002  226  8      2 980430 sub-s 55.43    NA
s98t001002  226  8      1 980430 sub-s 58.66    NA
s98t001008  226  8      1 980430 sub-s 62.96    NA
s98t001008  226  8      2 980430 sub-s 63.72    NA
s98t001002  226  8      1 980430 sub-s    NA 0.103
s98t001008  226  8      2 980430 sub-s    NA 0.125
s98t001008  226  8      1 980430 sub-s    NA 0.134
s98t001002  226  8      2 980430 sub-s    NA 0.138
```

			ax101r226s8			NA	NA	NA	NA	NA	NA	
s98t000227	226	9	1	980430	sub-s	33.82	NA					
s98t000227	226	9	2	980430	sub-s	35.02	NA					
s98t000242	226	9	1	980430	sub-s	37.77	NA					
s98t000242	226	9	2	980430	sub-s	39.01	NA					
s98t000242	226	9	1	980430	sub-s	NA	0.411					
s98t000242	226	9	2	980430	sub-s	NA	0.426					
s98t000227	226	9	2	980430	sub-s	NA	0.471					
s98t000227	226	9	1	980430	sub-s	NA	0.472					
			ax101r226s9			36.4	0.445	0.7	1.561	-0.352	-3.317	
s98t000670	226	999	2	980430	sub-s	22.36	NA					
s98t000670	226	999	1	980430	sub-s	27.00	NA					
s98t000670	226	999	2	980430	sub-s	NA	0.296					
s98t000670	226	999	1	980430	sub-s	NA	0.388					
			ax101r226s999			24.7	0.342	0.454	1.392	-0.466	-3.762	
s98t000624	228	10	1	980430	sub-s	26.91	NA					
s98t000624	228	10	2	980430	sub-s	30.00	NA					
s98t000659	228	10	2	980430	sub-s	46.96	NA					
s98t000659	228	10	1	980430	sub-s	46.98	NA					
s98t000658	228	10	1	980430	sub-s	NA	0.340					
s98t000624	228	10	2	980430	sub-s	NA	0.353					
s98t000658	228	10	2	980430	sub-s	NA	0.370					
s98t000624	228	10	1	980430	sub-s	NA	0.371					
			ax101r228s10			28.5	0.362	0.506	1.454	-0.441	-3.651	
s98t000768	228	11	2	980430	sub-s	27.75	NA					
s98t000768	228	11	1	980430	sub-s	31.85	NA					
s98t000780	228	11	2	980430	sub-s	47.90	NA					
s98t000780	228	11	1	980430	sub-s	48.28	NA					
s98t000768	228	11	2	980430	sub-s	NA	0.133					
s98t000768	228	11	1	980430	sub-s	NA	0.146					
s98t000780	228	11	2	980430	sub-s	NA	0.311					
s98t000780	228	11	1	980430	sub-s	NA	0.314					
			ax101r228s11			29.8	0.14	0.199	1.474	-0.855	-4.602	
s98t000787	228	12	2	980430	sub-s	46.10	NA					
s98t000787	228	12	1	980430	sub-s	46.24	NA					
s98t000808	228	12	1	980430	sub-s	47.90	NA					
s98t000808	228	12	2	980430	sub-s	47.98	NA					
s98t000787	228	12	2	980430	sub-s	NA	0.163					
s98t000787	228	12	1	980430	sub-s	NA	0.168					
s98t000808	228	12	1	980430	sub-s	NA	0.318					
s98t000808	228	12	2	980430	sub-s	NA	0.372					

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                        ax101r228s12  46.2 0.166  0.307  1.664 -0.781  -4.16

s98t000788  228  13     1 980430 sub-s 45.65    NA
s98t000788  228  13     2 980430 sub-s 46.21    NA
s98t000809  228  13     1 980430 sub-s 47.52    NA
s98t000809  228  13     2 980430 sub-s 47.76    NA
s98t000788  228  13     1 980430 sub-s    NA 0.142
s98t000788  228  13     2 980430 sub-s    NA 0.151
s98t000809  228  13     2 980430 sub-s    NA 0.280
s98t000809  228  13     1 980430 sub-s    NA 0.295
                        ax101r228s13  45.9 0.146  0.271  1.662 -0.834 -4.288

s98t000789  228  14     1 980430 sub-s 46.17    NA
s98t000789  228  14     2 980430 sub-s 46.36    NA
s98t000810  228  14     2 980430 sub-s 48.30    NA
s98t000810  228  14     1 980430 sub-s 48.35    NA
s98t000789  228  14     2 980430 sub-s    NA 0.214
s98t000810  228  14     1 980430 sub-s    NA 0.275
s98t000789  228  14     1 980430 sub-s    NA 0.286
s98t000810  228  14     2 980430 sub-s    NA 0.294
                        ax101r228s14  46.3  0.25  0.465  1.665 -0.602 -3.737

s98t000790  228  15     2 980430 sub-s 41.12    NA
s98t000790  228  15     1 980430 sub-s 46.23    NA
s98t000811  228  15     2 980430 sub-s 48.06    NA
s98t000811  228  15     1 980430 sub-s 48.10    NA
s98t000790  228  15     2 980430 sub-s    NA 0.276
s98t000790  228  15     1 980430 sub-s    NA 0.279
s98t000815  228  15     2 980430 sub-s    NA 0.294
s98t000815  228  15     1 980430 sub-s    NA 0.302
                        ax101r228s15  43.7 0.278  0.493   1.64 -0.557 -3.679

s98t000527  228  2      1 980430 sub-s 32.50    NA
s98t000527  228  2      2 980430 sub-s 32.99    NA
s98t000526  228  2      1 980430 sub-s 34.29    NA
s98t000526  228  2      2 980430 sub-s 34.36    NA
s98t000527  228  2      1 980430 sub-s    NA 0.282
s98t000527  228  2      2 980430 sub-s    NA 0.383
s98t000526  228  2      1 980430 sub-s    NA 0.396
                         ax101r228s2  33.5 0.354  0.532  1.525 -0.451   -3.6

s98t000525  228  3      2 980430 sub-s 24.47    NA
s98t000524  228  3      1 980430 sub-s 25.22    NA
s98t000525  228  3      1 980430 sub-s 32.25    NA
s98t000524  228  3      2 980430 sub-s 35.99    NA
s98t000525  228  3      1 980430 sub-s    NA 0.370
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s98t000524	228	3	1	980430	sub-s	NA	0.450					
s98t000525	228	3	2	980430	sub-s	NA	0.457					
s98t000524	228	3	2	980430	sub-s	NA	0.500					
				ax101r228s3		29.5	0.444	0.63	1.47	-0.352	-3.426	
s98t000523	228	4	2	980430	sub-s	34.08	NA					
s98t000522	228	4	2	980430	sub-s	34.84	NA					
s98t000522	228	4	1	980430	sub-s	36.64	NA					
s98t000523	228	4	1	980430	sub-s	37.96	NA					
s98t000523	228	4	2	980430	sub-s	NA	0.374					
s98t000522	228	4	2	980430	sub-s	NA	0.397					
s98t000523	228	4	1	980430	sub-s	NA	0.417					
s98t000522	228	4	1	980430	sub-s	NA	0.435					
				ax101r228s4		35.9	0.406	0.633	1.555	-0.392	-3.421	
s98t000573	228	5	2	980430	sub-s	29.93	NA					
s98t000573	228	5	1	980430	sub-s	30.74	NA					
s98t000581	228	5	1	980430	sub-s	32.38	NA					
s98t000581	228	5	2	980430	sub-s	37.67	NA					
s98t000581	228	5	1	980430	sub-s	NA	0.345					
s98t000573	228	5	1	980430	sub-s	NA	0.410					
s98t000581	228	5	2	980430	sub-s	NA	0.415					
s98t000573	228	5	2	980430	sub-s	NA	0.432					
				ax101r228s5		32.7	0.4	0.595	1.514	-0.397	-3.485	
s98t000620	228	6	1	980430	sub-s	33.16	NA					
s98t000620	228	6	2	980430	sub-s	33.16	NA					
s98t000604	228	6	1	980430	sub-s	35.90	NA					
s98t000604	228	6	2	980430	sub-s	37.10	NA					
s98t000620	228	6	2	980430	sub-s	NA	0.460					
s98t000604	228	6	2	980430	sub-s	NA	0.462					
s98t000604	228	6	1	980430	sub-s	NA	0.495					
s98t000620	228	6	1	980430	sub-s	NA	0.501					
				ax101r228s6		34.8	0.48	0.736	1.542	-0.319	-3.265	
s98t000621	228	7	2	980430	sub-s	38.36	NA					
s98t000621	228	7	1	980430	sub-s	39.14	NA					
s98t000652	228	7	1	980430	sub-s	47.10	NA					
s98t000652	228	7	2	980430	sub-s	47.22	NA					
s98t000652	228	7	2	980430	sub-s	NA	0.231					
				ax101r228s7		38.8	NA	NA	1.588	NA	NA	
s98t000622	228	8	2	980430	sub-s	29.29	NA					
s98t000623	228	8	2	980430	sub-s	34.51	NA					
s98t000623	228	8	1	980430	sub-s	34.59	NA					
s98t000622	228	8	1	980430	sub-s	35.34	NA					

s98t000623	228	8	2	980430	sub-s		NA	0.597				
s98t000623	228	8	1	980430	sub-s		NA	0.605				
					ax101r228s8		33.4	0.601	0.903	1.524	-0.221	-3.052
s98t000582	228	9	1	980430	sub-s	30.80		NA				
s98t000583	228	9	2	980430	sub-s	32.74		NA				
s98t000583	228	9	1	980430	sub-s	36.42		NA				
s98t000582	228	9	2	980430	sub-s	37.15		NA				
s98t000583	228	9	1	980430	sub-s		NA	0.563				
s98t000582	228	9	1	980430	sub-s		NA	0.604				
s98t000582	228	9	2	980430	sub-s		NA	0.702				
s98t000583	228	9	2	980430	sub-s		NA	0.757				
					ax101r228s9		34.3	0.656	0.999	1.535	-0.183	-2.946
s98t000995	228	999	2	980430	sub-s	39.57		NA				
s98t000995	228	999	1	980430	sub-s	41.05		NA				
s98t000995	228	999	2	980430	sub-s		NA	0.411				
s98t000995	228	999	1	980430	sub-s		NA	0.434				
					ax101r228s999		40.3	0.422	0.708	1.605	-0.374	-3.305

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
rat-ax101-2	na1	NA	1	del.sup	801111	super	44.66	NA
rat-ax101-2	na1	NA	1	del.sup	801111	super	NA	1.103
s97t001896	5b	1	1	del.sup	970729	super	48.09	NA
s97t001896	5b	1	2	del.sup	970729	super	48.62	NA
s97t001897	5b	1	1	del.sup	970729	super	47.62	NA
s97t001897	5b	1	2	del.sup	970729	super	47.80	NA
s97t001898	5b	1	1	del.sup	970729	super	46.78	NA
s97t001898	5b	1	2	del.sup	970729	super	46.90	NA

Summary for Tank ax102

Tank Statistics

wet.waste.vol	=	136.3	dry.mu.top	=	-2.512
wet.vol.top	=	82.09	dry.mu.bot	=	-2.184
wet.vol.bot	=	54.17	dry.sterr.top	=	0.7124
dry.waste.vol	=	96.33	dry.sterr.bot	=	0.5584
dry.vol.top	=	58.71	dry.corr	=	0.5981
dry.vol.bot	=	37.61	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.9211	toc.mu.top	=	-2.758
h2o.mu.bot	=	-0.8204	toc.mu.bot	=	-2.527
h2o.sterr.top	=	0.4381	toc.sterr.top	=	0.7269
h2o.sterr.bot	=	0.2787	toc.sterr.bot	=	0.5421
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	1
h2o.mu	=	-0.8244	toc.mu	=	-1.71
rw.h2o.mu	=	0.1324	rw.toc.mu	=	4.523
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.00595	0.0129	0.0277	0.0709	0.24	0.601	2.75	17.5
Dry	0.0731	0.102	0.143	0.202	0.307	0.409	0.606	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000203	3a	999	2	950210	sub-s	28.01	NA				
s95t000203	3a	999	1	950210	sub-s	29.57	NA				
				ax102r3as999		28.8	NA	NA	1.459	NA	NA
s95t000206	9e	999	1	950214	sub-s	31.12	NA				
s95t000206	9e	999	2	950214	sub-s	33.30	NA				
				ax102r9es999		32.2	NA	NA	1.508	NA	NA

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000203	3a	1	2	del.qa	950210	surfa	NA	5.34
s95t000203	3a	1	1	del.qa	950210	surfa	NA	6.12
s95t000206	9e	1	2	del.qa	950214	surfa	NA	4.81

s95t000206	9e	1	1	del.qa	950214	surfa	NA	6.35
rat-ax102-3	na1	NA	1	del.sup	881114	super	NA	2.83
s98t001222	ris	999	1	del.prs	980430	sub-s	21.23	NA
s98t000896	ris	999	1	del.prs	980430	sub-s	22.53	NA
s98t001222	ris	999	2	del.prs	980430	sub-s	25.30	NA
s98t001185	ris	999	2	del.prs	980430	sub-s	26.61	NA
s98t001185	ris	999	1	del.prs	980430	sub-s	27.00	NA
s98t001160	ris	999	1	del.prs	980430	sub-s	27.60	NA
s98t001160	ris	999	2	del.prs	980430	sub-s	28.22	NA
s98t000896	ris	999	2	del.prs	980430	sub-s	29.32	NA
s98t000738	ris	999	2	del.prs	980430	sub-s	36.17	NA
s98t000738	ris	999	1	del.prs	980430	sub-s	37.24	NA
s98t000738	ris	999	1	del.prs	980430	sub-s	NA	2.52
s98t000738	ris	999	2	del.prs	980430	sub-s	NA	2.68
s98t000739	ris	999	1	del.prs	980430	sub-s	NA	4.29
s98t000897	ris	999	1	del.prs	980430	sub-s	NA	4.40
s98t000896	ris	999	1	del.prs	980430	sub-s	NA	4.48
s98t000739	ris	999	2	del.prs	980430	sub-s	NA	4.55
s98t001160	ris	999	1	del.prs	980430	sub-s	NA	5.06
s98t000897	ris	999	2	del.prs	980430	sub-s	NA	5.17
s98t001160	ris	999	2	del.prs	980430	sub-s	NA	5.26
s98t000896	ris	999	2	del.prs	980430	sub-s	NA	5.32
s98t001222	ris	999	1	del.prs	980430	sub-s	NA	5.43
s98t001222	ris	999	2	del.prs	980430	sub-s	NA	5.44
s98t001185	ris	999	1	del.prs	980430	sub-s	NA	5.54
s98t001185	ris	999	2	del.prs	980430	sub-s	NA	5.54
s98t001161	ris	999	1	del.prs	980430	sub-s	NA	6.13
s98t001161	ris	999	2	del.prs	980430	sub-s	NA	6.56

Summary for Tank ax103

Tank Statistics

wet.waste.vol	=	423.9	dry.mu.top	=	-3.191
wet.vol.top	=	82.09	dry.mu.bot	=	-3.228
wet.vol.bot	=	341.8	dry.sterr.top	=	0.4879
dry.waste.vol	=	245.3	dry.sterr.bot	=	0.4144
dry.vol.top	=	49.33	dry.corr	=	0.3983
dry.vol.bot	=	196	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-0.4094	toc.mu.top	=	-3.679
h2o.mu.bot	=	-0.2954	toc.mu.bot	=	-3.822
h2o.sterr.top	=	0.3457	toc.sterr.top	=	0.4752
h2o.sterr.bot	=	0.2998	toc.sterr.bot	=	0.3953
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	3
h2o.mu	=	-0.2619	toc.mu	=	-3.728
rw.h2o.mu	=	0.4839	rw.toc.mu	=	4.582
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.69e-08	1.44e-07	3.99e-07	1.3e-06	7.09e-06	3.02e-05	0.000338	0.0221
Dry	0.00395	0.0058	0.0086	0.0133	0.0232	0.0356	0.0685	0.703

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t001887	9a	2	1	970729	sub-s	47.42	0.538				
s97t001887	9a	2	2	970729	sub-s	42.37	0.546				
				ax103r9as2		44.9	0.542	0.984	1.652	-0.266	-2.962
s97t001945	9f	1	1	970729	surfa	47.08	0.550				
s97t001946	9f	1	1	970729	surfa	41.01	0.492				
s97t001945	9f	1	2	970729	surfa	39.61	0.532				
s97t001946	9f	1	2	970729	surfa	40.16	0.580				
				ax103r9fs1		42	0.539	0.928	1.623	-0.269	-3.023
s97t001947	9f	2	1	970729	sub-s	47.05	0.327				
s97t001948	9f	2	1	970729	sub-s	40.14	0.353				
s97t001947	9f	2	2	970729	sub-s	45.74	0.379				

s97t001948 9f 2 2 970729 sub-s 41.54 0.357
ax103r9fs2 43.6 0.354 0.628 1.64 -0.451 -3.429

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
4516	na1	NA	1	del.sup	800924	super	NA	2.8

Summary for Tank ax104

Tank Statistics

wet.waste.vol	=	26.5	dry.mu.top	=	-4.218
wet.vol.top	=	26.5	dry.mu.bot	=	-4.218
wet.vol.bot	=	0	dry.sterr.top	=	0.8727
dry.waste.vol	=	15.71	dry.sterr.bot	=	0.8727
dry.vol.top	=	15.71	dry.corr	=	0.7572
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4212	rw.toc.mu	=	4.572
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.43e-15	2.71e-13	9.8e-12	5.35e-10	3.49e-08	1.81e-06	0.000263	0.0969
Dry	1.75e-05	6.42e-05	0.000233	0.000918	0.00487	0.0157	0.0869	1

Data From Tank

No Data Associated with This Tank

Summary for Tank b101

Tank Statistics

wet.waste.vol	=	427.7	dry.mu.top	=	-4.014
wet.vol.top	=	82.09	dry.mu.bot	=	-4.202
wet.vol.bot	=	345.6	dry.sterr.top	=	0.5052
dry.waste.vol	=	280.6	dry.sterr.bot	=	0.5052
dry.vol.top	=	54.44	dry.corr	=	0.4658
dry.vol.bot	=	226.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.6777	toc.mu.top	=	-4.401
h2o.mu.bot	=	-0.638	toc.mu.bot	=	-4.721
h2o.sterr.top	=	0.2869	toc.sterr.top	=	0.4901
h2o.sterr.bot	=	0.2868	toc.sterr.bot	=	0.4898
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	2
h2o.mu	=	-0.6376	toc.mu	=	-4.501
rw.h2o.mu	=	0.2263	rw.toc.mu	=	4.538
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.81e-10	8.55e-10	3.42e-09	1.33e-08	1.06e-07	4.64e-07	7.37e-06	0.000234
Dry	5.15e-05	9.63e-05	0.000185	0.000381	0.000973	0.00202	0.00618	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001220	2	1	2	950619	surfa	18.74	NA				
s95t001220	2	1	1	950619	surfa	18.75	NA				
s95t001541	2	1	2	950619	surfa	23.25	NA				
s95t001541	2	1	1	950619	surfa	23.45	NA				
s95t001214	2	1	1	950619	surfa	33.07	NA				
s95t001214	2	1	2	950619	surfa	33.09	NA				
s95t001217	2	1	1	950619	surfa	41.51	NA				
s95t001217	2	1	2	950619	surfa	42.49	NA				
s98t001075	2	1	1	NA	surfa	NA	0.267				
s98t001074	2	1	1	NA	surfa	NA	0.375				
s98t000457	2	1	1	NA	surfa	NA	0.328				
s98t001075	2	1	2	NA	surfa	NA	NA				
s98t001074	2	1	2	NA	surfa	NA	NA				

s98t000457	2	1	2	NA	surfa	NA	0.316					
s98t001079	2	1	2	NA	surfa	36.60	NA					
s98t000899	2	1	2	NA	surfa	37.80	NA					
s98t001080	2	1	1	NA	surfa	38.20	NA					
s98t001079	2	1	1	NA	surfa	37.00	NA					
s98t000899	2	1	1	NA	surfa	39.40	NA					
s98t001080	2	1	2	NA	surfa	37.40	NA					
					b101r2s1	32.9	0.322	0.479	1.517	-0.493	-3.707	
s95t002532	2	2	2	950619	sub-s	11.54	NA					
s95t002532	2	2	1	950619	sub-s	11.70	NA					
s95t002532	2	2	1	950619	sub-s	13.57	NA					
s95t002532	2	2	2	950619	sub-s	13.70	NA					
s95t001229	2	2	2	950619	sub-s	14.69	NA					
s95t001229	2	2	1	950619	sub-s	16.42	NA					
s95t001551	2	2	1	950619	sub-s	18.75	NA					
s95t001551	2	2	2	950619	sub-s	20.97	NA					
s95t001543	2	2	1	950619	sub-s	40.78	NA					
s95t001543	2	2	2	950619	sub-s	41.26	NA					
s95t002533	2	2	2	950619	sub-s	47.58	NA					
s95t002533	2	2	1	950619	sub-s	48.82	NA					
s95t001223	2	2	2	950619	sub-s	49.41	NA					
s95t001223	2	2	1	950619	sub-s	49.63	NA					
s95t002533	2	2	1	950619	sub-s	50.60	NA					
s95t002533	2	2	2	950619	sub-s	50.60	NA					
s98t000192	2	2	1	NA	sub-s	NA	0.183					
s98t000188	2	2	1	NA	sub-s	NA	0.065					
s98t000191	2	2	1	NA	sub-s	NA	0.200					
s98t000192	2	2	2	NA	sub-s	NA	0.179					
s98t000188	2	2	2	NA	sub-s	NA	0.070					
s98t000191	2	2	2	NA	sub-s	NA	0.201					
s98t000191	2	2	2	NA	sub-s	33.23	NA					
s98t000192	2	2	1	NA	sub-s	22.45	NA					
s98t000188	2	2	1	NA	sub-s	7.93	NA					
s98t000191	2	2	1	NA	sub-s	34.18	NA					
s98t000192	2	2	2	NA	sub-s	23.59	NA					
s98t000188	2	2	2	NA	sub-s	8.19	NA					
					b101r2s2	36.9	0.15	0.237	1.567	-0.825	-4.423	
s95t001238	7	1	1	950623	surfa	33.48	NA					
s95t001238	7	1	2	950623	surfa	34.72	NA					
s95t001235	7	1	1	950623	surfa	41.68	NA					
s95t001235	7	1	2	950623	surfa	44.13	NA					
					b101r7s1	38.5	NA	NA	1.585	NA	NA	
s95t001241	7	2	2	950623	sub-s	9.20	NA					

s95t002534	7	2	2	950623	sub-s	13.80	NA				
s95t002534	7	2	1	950623	sub-s	16.62	NA				
s95t001555	7	2	2	950623	sub-s	17.56	NA				
s95t002534	7	2	2	950623	sub-s	18.00	NA				
s95t001555	7	2	1	950623	sub-s	18.48	NA				
s95t002534	7	2	1	950623	sub-s	18.90	NA				
s95t001241	7	2	2	950623	sub-s	25.55	NA				
s95t001241	7	2	1	950623	sub-s	26.79	NA				
s95t001547	7	2	2	950623	sub-s	28.03	NA				
s95t001547	7	2	1	950623	sub-s	28.44	NA				
s95t001241	7	2	1	950623	sub-s	29.27	NA				
s95t001244	7	2	1	950623	sub-s	38.58	NA				
s95t001244	7	2	2	950623	sub-s	48.11	NA				
s95t001244	7	2	3	950623	sub-s	48.83	NA				
s95t001247	7	2	1	950623	sub-s	50.07	NA				
s95t001247	7	2	2	950623	sub-s	50.86	NA				
					b101r7s2	30.3	NA	NA	1.481	NA	NA

Summary for Tank b102

Tank Statistics

wet.waste.vol	=	106	dry.mu.top	=	-3.672
wet.vol.top	=	82.09	dry.mu.bot	=	-3.808
wet.vol.bot	=	23.89	dry.sterr.top	=	0.5556
dry.waste.vol	=	82.41	dry.sterr.bot	=	0.7085
dry.vol.top	=	63.43	dry.corr	=	0.5939
dry.vol.bot	=	18.98	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-1.224	toc.mu.top	=	-3.923
h2o.mu.bot	=	-1.352	toc.mu.bot	=	-4.227
h2o.sterr.top	=	0.4362	toc.sterr.top	=	0.5402
h2o.sterr.bot	=	0.5362	toc.sterr.bot	=	0.7217
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	1
h2o.mu	=	-1.466	toc.mu	=	-3.506
rw.h2o.mu	=	0.05629	rw.toc.mu	=	4.51
h2o.grp	=	wet.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.68e-06	5.45e-06	1.82e-05	9.4e-05	0.0005	0.00198	0.0232	0.743
Dry	0.000502	0.000976	0.00191	0.00397	0.00997	0.0205	0.0514	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s94t000193	1	1	1	941016	surfa	13.07	NA				
s94t000193	1	1	2	941016	surfa	15.15	NA				
s94t000190	1	1	1	941016	surfa	16.98	NA				
s94t000190	1	1	2	941016	surfa	17.82	NA				
s94t000191	1	1	2	941016	surfa	18.17	NA				
s94t000191	1	1	1	941016	surfa	22.83	NA				
s98t000194	1	1	1	NA	surfa	NA	0.553				
s98t000194	1	1	2	NA	surfa	NA	0.613				
s98t000194	1	1	2	NA	surfa	24.54	NA				
s98t000194	1	1	1	NA	surfa	21.53	NA				
					b102r1s1	18.8	0.583	0.718	1.273	-0.234	-3.291

Summary for Tank b103

Tank Statistics

wet.waste.vol	=	223.3	dry.mu.top	=	-4.669
wet.vol.top	=	82.09	dry.mu.bot	=	-4.557
wet.vol.bot	=	141.2	dry.sterr.top	=	0.5556
dry.waste.vol	=	128.1	dry.sterr.bot	=	0.7085
dry.vol.top	=	47.69	dry.corr	=	0.5939
dry.vol.bot	=	80.42	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.327	toc.mu.top	=	-5.338
h2o.mu.bot	=	-0.2794	toc.mu.bot	=	-5.311
h2o.sterr.top	=	0.3317	toc.sterr.top	=	0.5402
h2o.sterr.bot	=	0.4665	toc.sterr.bot	=	0.7217
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-0.209	toc.mu	=	-5.685
rw.h2o.mu	=	0.5055	rw.toc.mu	=	4.586
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.9e-16	3.21e-15	5.97e-14	7.08e-13	2.02e-11	4.01e-10	8.03e-08	3.24e-05
Dry	3.61e-06	9.52e-06	2.58e-05	8.04e-05	0.000342	0.00109	0.00656	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001058	2	1	1	950601	surfa	38.76	NA				
s95t001058	2	1	2	950601	surfa	40.31	NA				
					b103r2s1	39.5	NA	NA	1.597	NA	NA
s95t000972	7	1	1	950524	surfa	50.08	NA				
s95t000972	7	1	2	950524	surfa	50.26	NA				
s95t000972	7	1	1	950524	surfa	NA	0.064				
s95t000972	7	1	2	950524	surfa	NA	0.071				
					b103r7s1	50.2	*****	0.136		1.7	-1.169 -4.985

Summary for Tank b104

Tank Statistics

wet.waste.vol	=	1400	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	1318	dry.sterr.top	=	0.9397
dry.waste.vol	=	746.1	dry.sterr.bot	=	0.9397
dry.vol.top	=	43.3	dry.corr	=	0.7906
dry.vol.bot	=	702.8	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.11	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.1325	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.2658	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.1416	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	14	toc.nobs	=	0
h2o.mu	=	-0.1221	toc.mu	=	NaN
rw.h2o.mu	=	0.7394	rw.toc.mu	=	4.626
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.49e-13	2.23e-12	3.89e-11	4.91e-10	1.99e-08	2.88e-07	7.43e-05	0.0123
Dry	3.41e-06	1.44e-05	5.97e-05	0.000275	0.00184	0.00695	0.0553	0.653

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001049	2	1	2	950601	surfa	42.34	NA				
s95t001049	2	1	3	950601	surfa	48.98	NA				
s95t001051	2	1	2	950601	surfa	49.90	NA				
s95t001051	2	1	1	950601	surfa	51.68	NA				
s95t001049	2	1	1	950601	surfa	61.19	NA				
					b104r2s1	50.8	NA	NA	1.706	NA	NA
s95t001054	2	2	1	950601	sub-s	40.90	NA				
s95t001054	2	2	2	950601	sub-s	44.75	NA				
s95t001055	2	2	2	950601	sub-s	49.14	NA				
s95t001055	2	2	1	950601	sub-s	49.93	NA				
					b104r2s2	46.2	NA	NA	1.664	NA	NA

s95t001062	2	3	2	950601	sub-s	40.79	NA				
s95t001062	2	3	1	950601	sub-s	44.18	NA				
s95t001061	2	3	1	950601	sub-s	46.69	NA				
s95t001061	2	3	2	950601	sub-s	47.98	NA				
					b104r2s3	44.9	NA	NA	1.652	NA	NA
s95t001068	2	4	2	950601	sub-s	28.08	NA				
s95t001068	2	4	1	950601	sub-s	42.50	NA				
s95t001068	2	4	3	950601	sub-s	43.64	NA				
s95t001067	2	4	2	950601	sub-s	44.72	NA				
s95t001067	2	4	1	950601	sub-s	46.69	NA				
					b104r2s4	41.1	NA	NA	1.614	NA	NA
s95t001076	2	5	2	950601	sub-s	44.24	NA				
s95t001075	2	5	2	950601	sub-s	48.39	NA				
s95t001075	2	5	1	950601	sub-s	48.98	NA				
s95t001076	2	5	1	950601	sub-s	49.84	NA				
					b104r2s5	47.9	NA	NA	1.68	NA	NA
s95t001092	2	6	1	950601	sub-s	45.15	NA				
s95t001092	2	6	2	950601	sub-s	46.11	NA				
s95t001091	2	6	1	950601	sub-s	46.15	NA				
s95t001091	2	6	2	950601	sub-s	46.26	NA				
					b104r2s6	45.9	NA	NA	1.662	NA	NA
s95t001099	2	7	2	950601	sub-s	44.37	NA				
s95t001099	2	7	1	950601	sub-s	44.64	NA				
s95t001100	2	7	1	950601	sub-s	46.20	NA				
s95t001100	2	7	2	950601	sub-s	47.65	NA				
					b104r2s7	45.7	NA	NA	1.66	NA	NA
s95t001108	7	1	2	950609	surfa	45.46	NA				
s95t001108	7	1	1	950609	surfa	46.64	NA				
s95t001107	7	1	2	950609	surfa	47.14	NA				
s95t001107	7	1	1	950609	surfa	47.84	NA				
s95t001104	7	1	2	950609	surfa	53.11	NA				
s95t001104	7	1	1	950609	surfa	53.69	NA				
					b104r7s1	48.6	NA	NA	1.687	NA	NA
s95t001113	7	2	2	950609	sub-s	47.09	NA				
s95t001113	7	2	1	950609	sub-s	47.16	NA				
s95t001114	7	2	2	950609	sub-s	48.13	NA				
s95t001114	7	2	1	950609	sub-s	48.32	NA				
					b104r7s2	47.7	NA	NA	1.678	NA	NA
s95t001130	7	3	2	950609	sub-s	46.20	NA				

s95t001131	7	3	2	950609	sub-s	47.55	NA				
s95t001131	7	3	1	950609	sub-s	47.63	NA				
s95t001130	7	3	1	950609	sub-s	47.93	NA				
					b104r7s3	47.3	NA	NA	1.675	NA	NA
s95t001136	7	4	1	950609	sub-s	46.97	NA				
s95t001136	7	4	2	950609	sub-s	47.23	NA				
s95t001137	7	4	1	950609	sub-s	48.17	NA				
s95t001137	7	4	2	950609	sub-s	48.24	NA				
					b104r7s4	47.7	NA	NA	1.678	NA	NA
s95t001142	7	5	1	950609	sub-s	47.12	NA				
s95t001142	7	5	2	950609	sub-s	47.40	NA				
s95t001143	7	5	2	950609	sub-s	49.08	NA				
s95t001143	7	5	1	950609	sub-s	49.80	NA				
					b104r7s5	48.4	NA	NA	1.684	NA	NA
s95t001149	7	6	1	950609	sub-s	46.98	NA				
s95t001149	7	6	2	950609	sub-s	47.07	NA				
s95t001148	7	6	2	950609	sub-s	48.02	NA				
s95t001148	7	6	1	950609	sub-s	50.27	NA				
					b104r7s6	48.1	NA	NA	1.682	NA	NA
s95t001155	7	7	2	950609	sub-s	46.56	NA				
s95t001155	7	7	1	950609	sub-s	46.62	NA				
s95t001154	7	7	2	950609	sub-s	47.82	NA				
s95t001154	7	7	1	950609	sub-s	47.88	NA				
					b104r7s7	47.2	NA	NA	1.674	NA	NA

Summary for Tank b105

Tank Statistics

wet.waste.vol	=	1158	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1076	dry.sterr.top	=	0.8727
dry.waste.vol	=	798.8	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	740.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1592	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.99e-09	2.85e-08	3.32e-07	3.63e-06	0.000124	0.000793	0.11	58.6
Dry	2.94e-05	9.71e-05	0.000316	0.00112	0.00534	0.0161	0.0903	0.653

Data From Tank

No Data Associated with This Tank

Summary for Tank b106

Tank Statistics

wet.waste.vol	=	439.1	dry.mu.top	=	-4.21
wet.vol.top	=	82.09	dry.mu.bot	=	-5.054
wet.vol.bot	=	357	dry.sterr.top	=	0.4033
dry.waste.vol	=	186.1	dry.sterr.bot	=	0.4033
dry.vol.top	=	35.18	dry.corr	=	0.3363
dry.vol.bot	=	150.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	4
h2o.mu.top	=	0.2877	toc.mu.top	=	-5.062
h2o.mu.bot	=	0.3111	toc.mu.bot	=	-6.017
h2o.sterr.top	=	0.2869	toc.sterr.top	=	0.3864
h2o.sterr.bot	=	0.2868	toc.sterr.bot	=	0.3863
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	4
h2o.mu	=	0.4242	toc.mu	=	-5.659
rw.h2o.mu	=	2.027	rw.toc.mu	=	4.845
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	5.56e-19	1.78e-17	4.3e-16	9.9e-15	5e-13	1.07e-10
Dry	4.17e-06	7.53e-06	1.39e-05	2.76e-05	6.79e-05	0.000137	0.000473	0.52

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001278	2	1	2	950714	surfa	58.84	NA				
s95t001278	2	1	1	950714	surfa	59.52	NA				
s95t001275	2	1	2	950714	surfa	62.60	NA				
s95t001275	2	1	1	950714	surfa	63.52	NA				
s95t001272	2	1	2	950714	surfa	67.13	NA				
s95t001272	2	1	1	950714	surfa	67.32	NA				
s96t001212	2	1	2	950714	surfa	NA	0.094				
s96t001212	2	1	1	950714	surfa	NA	0.125				
s96t001198	2	1	1	950714	surfa	NA	1.130				
s96t001198	2	1	2	950714	surfa	NA	1.210				
					b106r2s1	61.1	0.64	1.645	1.786	-0.194	-2.412
s95t001281	2	2	1	950714	sub-s	55.98	NA				

s95t001281	2	2	2	950714	sub-s	57.20	NA				
s95t001284	2	2	1	950714	sub-s	59.13	NA				
s95t001284	2	2	2	950714	sub-s	60.39	NA				
s96t001226	2	2	2	950714	sub-s	NA	0.025				
s96t001226	2	2	1	950714	sub-s	NA	0.025				
s96t001225	2	2	1	950714	sub-s	NA	0.027				
s96t001225	2	2	2	950714	sub-s	NA	0.029				
					b106r2s2	58.2	*****	0.063	1.765	-1.577	-5.752
s95t001302	7	1	2	950718	surfa	62.34	NA				
s95t001302	7	1	1	950718	surfa	62.36	NA				
s95t001298	7	1	2	950718	surfa	63.13	NA				
s95t001298	7	1	1	950718	surfa	65.05	NA				
s96t001237	7	1	1	950718	surfa	NA	0.028				
s96t001237	7	1	2	950718	surfa	NA	0.030				
s96t001236	7	1	2	950718	surfa	NA	0.064				
s96t001236	7	1	1	950718	surfa	NA	0.077				
					b106r7s1	63.2	*****	0.135	1.801	-1.303	-4.989
s95t001306	7	2	1	950718	sub-s	57.01	NA				
s95t001306	7	2	2	950718	sub-s	57.08	NA				
s95t001310	7	2	1	950718	sub-s	61.31	NA				
s95t001310	7	2	2	950718	sub-s	61.45	NA				
s96t001239	7	2	2	950718	sub-s	NA	0.015				
s96t001239	7	2	1	950718	sub-s	NA	0.018				
s96t003624	7	2	2	950718	sub-s	NA	0.028				
s96t003624	7	2	3	950718	sub-s	NA	0.029				
s96t003624	7	2	1	950718	sub-s	NA	0.045				
					b106r7s2	59.2	0.027	0.066	1.772	-1.568	-5.707

Summary for Tank b107

Tank Statistics

wet.waste.vol	=	620.7	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	538.7	dry.sterr.top	=	0.9397
dry.waste.vol	=	361.9	dry.sterr.bot	=	0.9397
dry.vol.top	=	48.66	dry.corr	=	0.7906
dry.vol.bot	=	313.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4627	rw.toc.mu	=	4.579
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.3e-12	3.61e-11	5.82e-10	7.34e-09	7.88e-07	1.6e-05	0.00418	0.208
Dry	4.21e-06	1.74e-05	7.04e-05	0.000318	0.00201	0.0074	0.0527	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank b108

Tank Statistics

wet.waste.vol	=	355.8	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	273.7	dry.sterr.top	=	0.8727
dry.waste.vol	=	244	dry.sterr.bot	=	0.8727
dry.vol.top	=	57.55	dry.corr	=	0.7572
dry.vol.bot	=	186.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8527	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7599	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3691	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.369	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-0.7982	toc.mu	=	NaN
rw.h2o.mu	=	0.1661	rw.toc.mu	=	4.528
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.65e-10	6.64e-09	4.37e-08	6.01e-07	1.69e-05	0.000243	0.0059	0.171
Dry	3.83e-05	0.000123	0.000387	0.00134	0.00602	0.0179	0.08	0.729

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t005505	3	1	2	960904	surfa	32.63	NA				
s96t005506	3	1	1	960904	surfa	34.10	NA				
s96t005505	3	1	1	960904	surfa	34.40	NA				
s96t005506	3	1	2	960904	surfa	34.68	NA				
s96t005523	3	1	1	960904	surfa	78.50	NA				
s96t005523	3	1	2	960904	surfa	79.39	NA				
s96t005466	3	1	2	960904	surfa	18.34	NA				
s96t005466	3	1	1	960904	surfa	18.38	NA				
s96t005473	3	1	1	960904	surfa	34.86	NA				
s96t005473	3	1	2	960904	surfa	36.85	NA				
					b108r3s1	30.5	NA	NA	1.485	NA	NA
s96t005507	3	2	1	960904	sub-s	18.54	NA				

s96t005507	3	2	2	960904	sub-s	20.12	NA					
s96t005474	3	2	2	960904	sub-s	43.03	NA					
s96t005474	3	2	1	960904	sub-s	44.53	NA					
					b108r3s2	31.6	NA	NA	1.499	NA	NA	

Summary for Tank b109

Tank Statistics

wet.waste.vol	=	480.7	dry.mu.top	=	-5.089
wet.vol.top	=	82.09	dry.mu.bot	=	-5.261
wet.vol.bot	=	398.6	dry.sterr.top	=	0.399
dry.waste.vol	=	305.5	dry.sterr.bot	=	0.3529
dry.vol.top	=	51.31	dry.corr	=	0.3014
dry.vol.bot	=	254.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	5
h2o.mu.top	=	-0.511	toc.mu.top	=	-5.608
h2o.mu.bot	=	-0.565	toc.mu.bot	=	-5.791
h2o.sterr.top	=	0.2799	toc.sterr.top	=	0.3831
h2o.sterr.bot	=	0.2505	toc.sterr.bot	=	0.3348
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	5	toc.nobs	=	5
h2o.mu	=	-0.5168	toc.mu	=	-5.879
rw.h2o.mu	=	0.2784	rw.toc.mu	=	4.547
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	1.42e-16	5.55e-15	8.91e-14	2.16e-12	6.76e-11
Dry	3.88e-08	7.59e-08	1.5e-07	3.24e-07	8.86e-07	2.01e-06	7.55e-06	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t005119	4	1	2	960826	surfa	39.11	NA				
s96t005119	4	1	1	960826	surfa	40.79	NA				
s96t005119	4	1	1	960826	surfa	NA	0.025				
s96t005119	4	1	2	960826	surfa	NA	0.027				
					b109r4s1	40	*****	0.043	1.602	-1.583	-6.129
s96t005136	4	2	1	960826	sub-s	23.81	NA				
s96t005136	4	2	2	960826	sub-s	28.44	NA				
s96t005135	4	2	2	960826	sub-s	41.66	NA				
s96t005132	4	2	1	960826	sub-s	43.63	NA				
s96t005131	4	2	2	960826	sub-s	44.25	NA				
s96t005131	4	2	1	960826	sub-s	44.85	NA				
s96t005135	4	2	1	960826	sub-s	47.64	NA				

s96t005132	4	2	2	960826	sub-s	49.35	NA				
s96t005131	4	2	2	960826	sub-s	NA	0.006				
s96t005131	4	2	1	960826	sub-s	NA	0.008				
s96t005132	4	2	1	960826	sub-s	NA	0.010				
s96t005132	4	2	2	960826	sub-s	NA	0.010				
s96t005136	4	2	1	960826	sub-s	NA	0.015				
s96t005135	4	2	1	960826	sub-s	NA	0.018				
s96t005135	4	2	2	960826	sub-s	NA	0.020				
s96t005136	4	2	2	960826	sub-s	NA	0.021				
					b109r4s2	40.5	*****	0.023	1.607	-1.873	-6.788
s96t005124	4	3	2	960826	sub-s	22.68	NA				
s96t005124	4	3	1	960826	sub-s	25.76	NA				
s96t005124	4	3	1	960826	sub-s	NA	0.025				
s96t005124	4	3	2	960826	sub-s	NA	0.026				
					b109r4s3	24.2	*****	0.034	1.384	-1.588	-6.374
s96t005102	7	1	1	960823	surfa	44.45	NA				
s96t005102	7	1	2	960823	surfa	44.79	NA				
s96t005102	7	1	1	960823	surfa	NA	0.146				
s96t005102	7	1	2	960823	surfa	NA	0.146				
					b109r7s1	44.6	0.146	0.264	1.65	-0.836	-4.316
s96t005108	7	2	2	960823	sub-s	43.79	NA				
s96t005108	7	2	1	960823	sub-s	44.81	NA				
s96t005108	7	2	2	960823	sub-s	46.80	NA				
s96t005108	7	2	1	960823	sub-s	65.41	NA				
s96t005108	7	2	1	960823	sub-s	NA	0.226				
s96t005108	7	2	2	960823	sub-s	NA	0.239				
s96t005112	7	2	1	960823	sub-s	14.27	NA				
s96t005112	7	2	2	960823	sub-s	20.96	NA				
s96t005112	7	2	2	960823	sub-s	NA	0.312				
s96t005112	7	2	1	960823	sub-s	NA	0.536				
s96t005112	7	2	3	960823	sub-s	NA	0.700				
					b109r7s2	39.3	0.403	0.664	1.595	-0.395	-3.372

Summary for Tank b110

Tank Statistics

wet.waste.vol	=	927.3	dry.mu.top	=	-5.204
wet.vol.top	=	82.09	dry.mu.bot	=	-5.531
wet.vol.bot	=	845.2	dry.sterr.top	=	0.5797
dry.waste.vol	=	499.4	dry.sterr.bot	=	0.1395
dry.vol.top	=	48.33	dry.corr	=	0.1822
dry.vol.bot	=	451.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	26
h2o.mu.top	=	-0.3589	toc.mu.top	=	-5.728
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-6.168
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.6005
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.1295
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	26
h2o.mu	=	NaN	toc.mu	=	-6.196
rw.h2o.mu	=	0.707	rw.toc.mu	=	4.62
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	3.19e-14	1.87e-12	5.24e-10	2.67e-07
Dry	7.18e-09	1.71e-08	3.84e-08	9e-08	3.18e-07	1.73e-06	1.5e-05	0.653

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
89-0648c1	1	2	1	900101	sub-s	NA	0.050				
89-0648c2	1	2	2	900101	sub-s	NA	0.049				
90-0636c1	1	2	1	900101	sub-s	NA	0.069				
90-0636c2	1	2	2	900101	sub-s	NA	0.052				
					b110r1s2	46.6	*****	0.103	1.669	-1.259	-5.261
89-0649c1	1	3	1	900101	sub-s	NA	0.066				
89-0649c2	1	3	2	900101	sub-s	NA	0.056				
90-0637c1	1	3	1	900101	sub-s	NA	0.064				
90-0637c2	1	3	2	900101	sub-s	NA	0.074				
					b110r1s3	46.6	*****	0.122	1.669	-1.187	-5.096
89-0650c1	1	4	1	900101	sub-s	NA	0.042				

```
89-0650c2  1    4      2 900101 sub-s   NA 0.039
90-0638c1  1    4      1 900101 sub-s   NA 0.043
90-0638c2  1    4      2 900101 sub-s   NA 0.040
                          b110r1s4 46.6 *****  0.077  1.669 -1.388  -5.56

89-0651c1  1    5      1 900101 sub-s   NA 0.051
89-0651c2  1    5      2 900101 sub-s   NA 0.056
90-0639c1  1    5      1 900101 sub-s   NA 0.037
90-0639c2  1    5      2 900101 sub-s   NA 0.037
                          b110r1s5 46.6 *****  0.085  1.669 -1.346 -5.462

89-1107c1  2    3      1 900101 sub-s   NA 0.050
89-1107c2  2    3      2 900101 sub-s   NA 0.044
                          b110r2s3 46.6 *****  0.087  1.669 -1.331 -5.428

89-1109c1  2    5      1 900101 sub-s   NA 0.027
89-1109c2  2    5      2 900101 sub-s   NA 0.022
                          b110r2s5 46.6 *****  0.046  1.669 -1.613 -6.079

89-0478c1  3    2      1 900101 sub-s   NA 0.060
89-0478c2  3    2      2 900101 sub-s   NA 0.058
89-0835a1  3    2      1 900101 sub-s   NA 0.048
89-0835a2  3    2      2 900101 sub-s   NA 0.034
89-1449a1  3    2      1 900101 sub-s   NA 0.047
89-1449a2  3    2      2 900101 sub-s   NA 0.049
                          b110r3s2 46.6 *****  0.092  1.669 -1.308 -5.376

89-0479c1  3    3      1 900101 sub-s   NA 0.049
89-0479c2  3    3      2 900101 sub-s   NA 0.046
89-0836a1  3    3      1 900101 sub-s   NA 0.037
89-0836a2  3    3      2 900101 sub-s   NA 0.040
89-1450a1  3    3      1 900101 sub-s   NA 0.050
89-1450a2  3    3      2 900101 sub-s   NA 0.052
                          b110r3s3 46.6 *****  0.085  1.669 -1.342 -5.453

89-0480c1  3    4      1 900101 sub-s   NA 0.040
89-0480c2  3    4      2 900101 sub-s   NA 0.038
89-0837a1  3    4      1 900101 sub-s   NA 0.048
89-0837a2  3    4      2 900101 sub-s   NA 0.044
89-1451a1  3    4      1 900101 sub-s   NA 0.036
89-1451a2  3    4      2 900101 sub-s   NA 0.061
                          b110r3s4 46.6 *****  0.083  1.669 -1.351 -5.475

89-0481c1  3    5      1 900101 sub-s   NA 0.035
89-0481c2  3    5      2 900101 sub-s   NA 0.036
89-0838a1  3    5      1 900101 sub-s   NA 0.009
```

```
89-0838a2  3    5      2 900101 sub-s   NA 0.010
89-1452a1  3    5      1 900101 sub-s   NA 0.027
89-1452a2  3    5      2 900101 sub-s   NA 0.027
                            b110r3s5 46.6 *****  0.045  1.669 -1.617  -6.09

90-1275b1  4    3      1 900101 sub-s   NA 0.059
90-1275b2  4    3      2 900101 sub-s   NA 0.058
90-1280b1  4    3      1 900101 sub-s   NA 0.075
90-1280b2  4    3      2 900101 sub-s   NA 0.080
                            b110r4s3 46.6 *****  0.127  1.669 -1.169 -5.052

90-1276b1  4    5      1 900101 sub-s   NA 0.050
90-1276b2  4    5      2 900101 sub-s   NA 0.050
90-1281b1  4    5      1 900101 sub-s   NA 0.050
90-1281b2  4    5      2 900101 sub-s   NA 0.049
                            b110r4s5 46.6 *****  0.093  1.669 -1.304 -5.365

NA         na1  999    2     NA sub-s   NA 0.044
                       b110rna100s999 46.6 *****  0.082  1.669 -1.358 -5.489

NA         na1  999    2     NA sub-s   NA 0.042
                       b110rna101s999 46.6 *****  0.079  1.669 -1.376 -5.531

NA         na1  999    2     NA sub-s   NA 0.030
                       b110rna102s999 46.6 *****  0.056  1.669 -1.526 -5.878

NA         na1  999    2     NA sub-s   NA 0.030
                       b110rna103s999 46.6  0.03  0.056  1.669 -1.523 -5.871

NA         na1  999    1     NA sub-s   NA 0.036
                       b110rna110s999 46.6 *****  0.067  1.669 -1.446 -5.694

NA         na1  999    1     NA sub-s   NA 0.040
                       b110rna111s999 46.6 *****  0.075  1.669   -1.4 -5.588

NA         na1  999    1     NA sub-s   NA 0.046
                       b110rna112s999 46.6 *****  0.087  1.669 -1.334 -5.436

NA         na1  999    1     NA sub-s   NA 0.046
                       b110rna113s999 46.6 *****  0.086  1.669  -1.34 -5.449

NA         na1  999    1     NA sub-s   NA 0.030
                       b110rna114s999 46.6 *****  0.057  1.669 -1.517 -5.858

NA         na1  999    1     NA sub-s   NA 0.046
                       b110rna115s999 46.6 *****  0.085  1.669 -1.341 -5.451
```

```
NA          na1  999    1     NA sub-s   NA 0.031
                        b110rna116s999 46.6 *****  0.058  1.669 -1.506 -5.832

NA          na9  999    2     NA sub-s   NA 0.040
                         b110rna97s999 46.6 *****  0.074  1.669 -1.402 -5.593

NA          na9  999    2     NA sub-s   NA 0.041
                         b110rna98s999 46.6 *****  0.076  1.669  -1.39 -5.565

NA          na9  999    2     NA sub-s   NA 0.033
                         b110rna99s999 46.6 *****  0.061  1.669 -1.484 -5.782
```

Summary for Tank b111

Tank Statistics

wet.waste.vol	=	893.3	dry.mu.top	=	-4.155
wet.vol.top	=	82.09	dry.mu.bot	=	-4.239
wet.vol.bot	=	811.2	dry.sterr.top	=	0.5916
dry.waste.vol	=	348.9	dry.sterr.bot	=	0.1951
dry.vol.top	=	37.2	dry.corr	=	0.2541
dry.vol.bot	=	311.7	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	13
h2o.mu.top	=	0.1879	toc.mu.top	=	-4.892
h2o.mu.bot	=	0.4717	toc.mu.bot	=	-5.192
h2o.sterr.top	=	0.4036	toc.sterr.top	=	0.6114
h2o.sterr.bot	=	0.1775	toc.sterr.bot	=	0.1815
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	8	toc.nobs	=	13
h2o.mu	=	0.5032	toc.mu	=	-5.223
rw.h2o.mu	=	2.832	rw.toc.mu	=	4.981
h2o.grp	=	wet.sludge	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.1e-18	7.12e-17	4.49e-16	1.83e-14	6.57e-13	1.37e-11	1.21e-09	1.14e-06
Dry	2.58e-05	3.8e-05	5.79e-05	9.72e-05	0.000211	0.000434	0.0018	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
91-081	3	2	2	910924	sub-s	61.4	NA				
91-081	3	2	1	910924	sub-s	62.2	NA				
					b111r3s2	61.8	NA	NA	1.791	NA	NA
91-082	3	3	2	910924	sub-s	64.2	NA				
91-082	3	3	1	910924	sub-s	63.8	NA				
					b111r3s3	64	NA	NA	1.806	NA	NA
91-083	3	4	2	910924	sub-s	57.8	NA				
91-083	3	4	1	910924	sub-s	59.0	NA				
					b111r3s4	58.4	NA	NA	1.766	NA	NA
91-084	3	5	2	910924	sub-s	54.4	NA				

91-084	3	5	1	910924	sub-s	58.3	NA				
				b111r3s5		56.4	NA	NA	1.751	NA	NA
93-04312-c	3	999	2	NA	sub-s	NA	0.053				
93-04312-j	3	999	2	NA	sub-s	NA	0.082				
93-04313-c	3	999	2	NA	sub-s	NA	0.075				
93-04313-j	3	999	2	NA	sub-s	NA	0.056				
				b111r3s999		61.6	*****	0.173	1.789	-1.177	-4.741
91-086	5	2	2	911002	sub-s	67.1	NA				
91-086	5	2	1	911002	sub-s	67.2	NA				
				b111r5s2		67.2	NA	NA	1.827	NA	NA
91-087	5	3	2	911002	sub-s	65.9	NA				
91-087	5	3	1	911002	sub-s	65.2	NA				
				b111r5s3		65.6	NA	NA	1.817	NA	NA
91-088	5	4	2	911002	sub-s	59.0	NA				
91-088	5	4	1	911002	sub-s	60.4	NA				
				b111r5s4		59.7	NA	NA	1.776	NA	NA
91-089	5	5	1	911002	sub-s	65.1	NA				
				b111r5s5		65.1	NA	NA	1.814	NA	NA
93-04316-c	5	999	2	NA	sub-s	NA	0.125				
93-04316-j	5	999	2	NA	sub-s	NA	0.159				
93-04317-c	5	999	2	NA	sub-s	NA	0.133				
93-04317-j	5	999	2	NA	sub-s	NA	0.134				
				b111r5s999		61.6	0.138	0.359	1.789	-0.861	-4.003
NA	na1	999	1	NA	sub-s	NA	0.068				
				b111rna107s999		61.6	0.068	0.177	1.789	-1.167	-4.719
NA	na1	999	1	NA	sub-s	NA	0.067				
				b111rna108s999		61.6	0.067	0.174	1.789	-1.174	-4.733
NA	na1	999	1	NA	sub-s	NA	0.132				
				b111rna109s999		61.6	0.132	0.344	1.789	-0.879	-4.047
c32comp2	na1	999	2	NA	sub-s	NA	0.134				
				b111rna121s999		61.6	0.134	0.349	1.789	-0.873	-4.031
c32comp2	na1	999	1	NA	sub-s	NA	0.132				
				b111rna122s999		61.6	0.132	0.344	1.789	-0.879	-4.047
c32comp1	na1	999	2	NA	sub-s	NA	0.159				

				b111rna123s999	61.6	0.159	0.414	1.789	-0.799	-3.857
c32comp1	na1	999	1	NA sub-s	NA	0.162				
				b111rna124s999	61.6	0.162	0.422	1.789	-0.79	-3.838
NA	na9	999	2	NA sub-s	NA	0.056				
				b111rna93s999	61.6	0.056	0.146	1.789	-1.252	-4.914
NA	na9	999	2	NA sub-s	NA	0.159				
				b111rna94s999	61.6	0.159	0.414	1.789	-0.799	-3.857
NA	na9	999	2	NA sub-s	NA	0.082				
				b111rna95s999	61.6	0.082	0.213	1.789	-1.086	-4.529
NA	na9	999	2	NA sub-s	NA	0.134				
				b111rna96s999	61.6	0.134	0.349	1.789	-0.873	-4.031

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
91-089	5	5	2	del.dup	911002	sub-s	65	NA

Summary for Tank b112

Tank Statistics

wet.waste.vol	=	113.5	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	31.46	dry.sterr.top	=	0.8727
dry.waste.vol	=	69.12	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.84	dry.corr	=	0.7572
dry.vol.bot	=	20.28	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3845	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.595	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3326	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4741	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-0.331	toc.mu	=	NaN
rw.h2o.mu	=	0.3687	rw.toc.mu	=	4.563
h2o.grp	=	wet.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.33e-11	1.37e-10	1.35e-09	1.69e-08	3.21e-07	8.28e-06	0.00208	0.00778
Dry	3.99e-05	0.000128	0.000402	0.00138	0.00615	0.0181	0.0745	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000454	3	1	1	950316	surfa	45.57	NA				
s95t000454	3	1	2	950316	surfa	47.14	NA				
					b112r3s1	46.4	NA	NA	1.666	NA	NA
s95t000357	7	1	2	950316	surfa	21.08	NA				
s95t000357	7	1	3	950316	surfa	32.75	NA				
s95t000452	7	1	1	950316	surfa	40.04	NA				
s95t000357	7	1	1	950316	surfa	40.19	NA				
s95t000452	7	1	2	950316	surfa	43.26	NA				
s95t000452	7	1	3	950316	surfa	46.96	NA				
					b112r7s1	37.4	NA	NA	1.573	NA	NA

Summary for Tank b201

Tank Statistics

wet.waste.vol	=	106	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	100.1	dry.sterr.top	=	1.046
dry.waste.vol	=	56.88	dry.sterr.bot	=	1.046
dry.vol.top	=	3.437	dry.corr	=	0.831
dry.vol.bot	=	53.44	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8204	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.7168	rw.toc.mu	=	4.622
h2o.grp	=	wet.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.04e-11	6.14e-10	9.19e-09	2.61e-07	9.37e-06	0.000275	0.0463	0.456
Dry	7.31e-05	0.000284	0.00107	0.00423	0.0217	0.065	0.298	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
91-07678	7	7	1	del.sp	910703	sub-s	19.4	NA
91-07678	7	7	1	del.dup	910703	sub-s	19.4	NA
91-07678	7	7	2	del.sp	910703	sub-s	15.5	NA
91-07678	7	7	2	del.dup	910703	sub-s	15.5	NA
91-07654	7	1	2	del.sp	910703	surfa	65.4	NA
91-07654	7	1	1	del.sp	910703	surfa	67.7	NA
91-07652	7	2	2	del.sp	910703	sub-s	68.6	NA
91-07652	7	2	1	del.sp	910703	sub-s	74.7	NA
91-07662	7	3	2	del.sp	910703	sub-s	5.8	NA
91-07662	7	3	1	del.sp	910703	sub-s	0.8	NA
91-07666	7	4	2	del.sp	910703	sub-s	60.2	NA
91-07666	7	4	1	del.sp	910703	sub-s	54.2	NA

91-07674	7	5	2	del.sp	910703	sub-s	53.4 NA
91-07674	7	5	1	del.sp	910703	sub-s	52.9 NA
91-07674	7	6	2	del.sp	910703	sub-s	35.4 NA
91-07674	7	6	1	del.sp	910703	sub-s	31.9 NA
91-07678	7	7	2	del.dup	910703	sub-s	15.5 NA
91-07678	7	7	1	del.sp	910703	sub-s	19.4 NA
91-07678	7	8	2	del.sp	910703	sub-s	28.1 NA
91-07678	7	8	1	del.sp	910703	sub-s	35.3 NA

Summary for Tank b202

Tank Statistics

wet.waste.vol	=	102.2	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	96.36	dry.sterr.top	=	1.046
dry.waste.vol	=	54.86	dry.sterr.bot	=	1.046
dry.vol.top	=	3.437	dry.corr	=	0.831
dry.vol.bot	=	51.42	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8204	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.7162	rw.toc.mu	=	4.622
h2o.grp	=	wet.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.12e-11	3.78e-10	7.42e-09	1.13e-07	8.62e-06	0.000214	0.00898	0.885
Dry	7.38e-05	0.000285	0.00107	0.00425	0.0218	0.065	0.298	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
j4	2	2	1	del.sp	910626	sub-s	6.44	NA
j61	2	2	1	del.sp	910626	sub-s	41.60	NA
j46	2	2	2	del.sp	910626	sub-s	64.90	NA
j46	2	2	1	del.sp	910626	sub-s	74.60	NA
j60	2	2	2	del.sp	910626	sub-s	80.10	NA
j60	2	2	1	del.sp	910626	sub-s	80.90	NA
j5	2	3	1	del.sp	910626	sub-s	7.99	NA
j47	2	3	1	del.sp	910626	sub-s	35.20	NA
j48	2	4	1	del.sp	910626	sub-s	13.70	NA
j6	2	4	1	del.sp	910626	sub-s	37.13	NA
j66	2	4	1	del.sp	910626	sub-s	56.75	NA
j66	2	4	2	del.sp	910626	sub-s	57.22	NA

j62	2	4	1	del.qa	910626	sub-s	100.00	NA
j7	2	5	1	del.sp	910626	sub-s	10.97	NA
j49	2	5	1	del.sp	910626	sub-s	14.66	NA
j53	2	6	2	del.sp	910626	sub-s	0.00	NA
j53	2	6	1	del.sp	910626	sub-s	74.40	NA
j11	2	6	1	del.sp	910626	sub-s	74.81	NA
j11	2	6	2	del.dup	910626	sub-s	74.81	NA
j12	2	7	1	del.sp	910626	sub-s	70.34	NA
j67	2	7	1	del.sp	910626	sub-s	71.99	NA
j68	2	7	1	del.sp	910626	sub-s	76.66	NA
j54	2	7	1	del.sp	910626	sub-s	78.00	NA
j13	2	8	1	del.sp	910626	sub-s	63.04	NA
j55	2	8	1	del.sp	910626	sub-s	75.60	NA
j150	5	1	1	del.sp	910712	surfa	62.66	NA
j169	5	1	2	del.sp	910712	surfa	63.70	NA
j169	5	1	1	del.sp	910712	surfa	74.20	NA
j127	5	1	1	del.sp	910712	surfa	76.02	NA
j127	5	1	2	del.sp	910712	surfa	88.20	NA
j128	5	2	1	del.sp	910712	sub-s	37.60	NA
j170	5	2	1	del.sp	910712	sub-s	60.00	NA
j151	5	2	1	del.sp	910712	sub-s	78.65	NA
j171	5	3	1	del.sp	910712	sub-s	71.48	NA
j152	5	3	1	del.sp	910712	sub-s	80.04	NA
j172	5	4	1	del.sp	910712	sub-s	73.99	NA
j153	5	4	1	del.sp	910712	sub-s	78.29	NA
j162	5	5	2	del.sp	910712	sub-s	67.10	NA
j162	5	5	1	del.sp	910712	sub-s	74.10	NA
j146	5	5	1	del.sp	910712	sub-s	78.69	NA
j163	5	6	1	del.sp	910712	sub-s	72.90	NA
j147	5	6	1	del.sp	910712	sub-s	77.18	NA
j164	5	7	1	del.sp	910712	sub-s	52.30	NA
j148	5	7	1	del.sp	910712	sub-s	74.97	NA
j165	5	8	1	del.sp	910712	sub-s	72.61	NA
j149	5	8	1	del.sp	910712	sub-s	75.35	NA
j214-7727	2	999	2	del.sp	910626	sub-s	NA	3.32
j214-7727	2	999	1	del.sp	910626	sub-s	NA	3.14
composite	na1	999	1	del.sp	900410	sub-s	NA	3.23
j74	2	999	1	del.sp	910626	sub-s	77.00	NA
j80	2	999	1	del.sp	910626	sub-s	89.02	NA

Summary for Tank b203

Tank Statistics

wet.waste.vol	=	189.2	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	183.4	dry.sterr.top	=	1.046
dry.waste.vol	=	101.3	dry.sterr.bot	=	1.046
dry.vol.top	=	3.437	dry.corr	=	0.831
dry.vol.bot	=	97.88	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8204	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.724	rw.toc.mu	=	4.623
h2o.grp	=	wet.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.04e-11	9.11e-10	1.48e-08	3.94e-07	1.48e-05	0.000134	0.0169	0.838
Dry	6.51e-05	0.000264	0.001	0.00405	0.0214	0.0654	0.3	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t003833	2	1	2	del.sp	951120	surfa	93.37	NA
s95t003833	2	1	1	del.sp	951120	surfa	93.71	NA
s95t003958	2	1	1	del.sp	951205	surfa	88.71	NA
s95t003958	2	1	2	del.sp	951205	surfa	89.63	NA
s96t000600	2	1	2	del.sp	951205	surfa	NA	0.009
s96t000600	2	1	1	del.sp	951205	surfa	NA	0.009
s95t004045	2	10	2	del.sp	951205	sub-s	75.52	NA
s95t004054	2	10	1	del.sp	951205	sub-s	76.49	NA
s95t004054	2	10	2	del.sp	951205	sub-s	76.75	NA
s95t004045	2	10	1	del.sp	951205	sub-s	76.98	NA
s95t004055	2	13	1	del.sp	951205	sub-s	74.63	NA
s95t004055	2	13	2	del.sp	951205	sub-s	76.38	NA

s95t004046	2	13	1	del.sp	951205	sub-s	77.15	NA
s95t004046	2	13	2	del.sp	951205	sub-s	77.85	NA
s95t004056	2	14	2	del.sp	951205	sub-s	73.13	NA
s95t004056	2	14	1	del.sp	951205	sub-s	75.04	NA
s95t004047	2	14	2	del.sp	951205	sub-s	77.98	NA
s95t004047	2	14	1	del.sp	951205	sub-s	78.00	NA
s95t004039	2	4	2	del.sp	951205	sub-s	80.88	NA
s95t004048	2	4	2	del.sp	951205	sub-s	81.12	NA
s95t004039	2	4	1	del.sp	951205	sub-s	81.18	NA
s95t004048	2	4	1	del.sp	951205	sub-s	81.33	NA
s95t004049	2	5	2	del.sp	951205	sub-s	76.38	NA
s95t004040	2	5	1	del.sp	951205	sub-s	77.91	NA
s95t004049	2	5	1	del.sp	951205	sub-s	78.16	NA
s95t004040	2	5	2	del.sp	951205	sub-s	79.02	NA
s95t004050	2	6	1	del.sp	951205	sub-s	74.60	NA
s95t004050	2	6	2	del.sp	951205	sub-s	75.87	NA
s95t004041	2	6	2	del.sp	951205	sub-s	76.91	NA
s95t004041	2	6	1	del.sp	951205	sub-s	77.84	NA
s95t004051	2	7	2	del.sp	951205	sub-s	69.29	NA
s95t004051	2	7	1	del.sp	951205	sub-s	73.40	NA
s95t004042	2	7	1	del.sp	951205	sub-s	79.88	NA
s95t004042	2	7	2	del.sp	951205	sub-s	80.03	NA
s95t004043	2	8	2	del.sp	951205	sub-s	72.24	NA
s95t004043	2	8	1	del.sp	951205	sub-s	72.89	NA
s95t004052	2	8	1	del.sp	951205	sub-s	75.28	NA
s95t004052	2	8	2	del.sp	951205	sub-s	76.29	NA
s95t004044	2	9	1	del.sp	951205	sub-s	70.39	NA
s95t004044	2	9	2	del.sp	951205	sub-s	72.84	NA
s95t004053	2	9	1	del.sp	951205	sub-s	72.99	NA
s95t004053	2	9	2	del.sp	951205	sub-s	75.25	NA
s95t004003	7	1	1	del.sp	951214	surfa	89.67	NA
s95t004003	7	1	2	del.sp	951214	surfa	89.87	NA
s96t000039	7	10	2	del.sp	951214	sub-s	73.21	NA
s96t000033	7	10	2	del.sp	951214	sub-s	75.12	NA
s96t000039	7	10	1	del.sp	951214	sub-s	75.17	NA
s96t000033	7	10	1	del.sp	951214	sub-s	75.47	NA
s96t000602	7	10	3	del.sp	951214	sub-s	NA	0.006
s96t000602	7	10	1	del.sp	951214	sub-s	NA	0.012
s96t000034	7	11	2	del.sp	951214	sub-s	67.87	NA
s96t000034	7	11	1	del.sp	951214	sub-s	73.87	NA
s96t000040	7	11	2	del.sp	951214	sub-s	77.18	NA
s96t000040	7	11	1	del.sp	951214	sub-s	77.33	NA
s96t000035	7	12	2	del.sp	951214	sub-s	74.73	NA
s96t000041	7	12	2	del.sp	951214	sub-s	74.86	NA
s96t000035	7	12	1	del.sp	951214	sub-s	75.07	NA
s96t000041	7	12	1	del.sp	951214	sub-s	75.84	NA

s96t000036	7	13	2	del.sp	951214	sub-s	73.92	NA
s96t000042	7	13	2	del.sp	951214	sub-s	73.98	NA
s96t000036	7	13	1	del.sp	951214	sub-s	74.54	NA
s96t000042	7	13	1	del.sp	951214	sub-s	74.83	NA
s96t000043	7	14	1	del.sp	951214	sub-s	66.59	NA
s96t000037	7	14	2	del.sp	951214	sub-s	68.98	NA
s96t000037	7	14	1	del.sp	951214	sub-s	73.22	NA
s96t000043	7	14	2	del.sp	951214	sub-s	75.57	NA
s95t004007	7	2	2	del.sp	951214	sub-s	77.57	NA
s95t004007	7	2	1	del.sp	951214	sub-s	78.40	NA
s95t004008	7	3	1	del.sp	951214	sub-s	78.31	NA
s95t004008	7	3	2	del.sp	951214	sub-s	78.67	NA
s95t004009	7	3	2	del.sp	951214	sub-s	80.81	NA
s95t004009	7	3	1	del.sp	951214	sub-s	81.03	NA
s95t004004	7	3	2	del.sp	951214	sub-s	89.28	NA
s95t004004	7	3	1	del.sp	951214	sub-s	89.38	NA
s95t004012	7	4	2	del.sp	951214	sub-s	79.96	NA
s95t004014	7	4	2	del.sp	951214	sub-s	80.39	NA
s95t004014	7	4	1	del.sp	951214	sub-s	80.91	NA
s95t004012	7	4	1	del.sp	951214	sub-s	80.93	NA
s95t004013	7	5	2	del.sp	951214	sub-s	70.29	NA
s95t004013	7	5	1	del.sp	951214	sub-s	72.31	NA
s95t004015	7	5	1	del.sp	951214	sub-s	77.57	NA
s95t004015	7	5	2	del.sp	951214	sub-s	79.00	NA
s95t004227	7	6	2	del.sp	951214	sub-s	75.55	NA
s95t004227	7	6	1	del.sp	951214	sub-s	76.27	NA
s95t004233	7	6	2	del.sp	951214	sub-s	77.12	NA
s95t004233	7	6	1	del.sp	951214	sub-s	77.22	NA
s95t004234	7	7	1	del.sp	951214	sub-s	76.35	NA
s95t004228	7	7	2	del.sp	951214	sub-s	76.87	NA
s95t004228	7	7	1	del.sp	951214	sub-s	77.93	NA
s95t004234	7	7	2	del.sp	951214	sub-s	78.18	NA
s95t004229	7	8	1	del.sp	951214	sub-s	48.49	NA
s95t004235	7	8	1	del.sp	951214	sub-s	73.56	NA
s95t004235	7	8	2	del.sp	951214	sub-s	74.95	NA
s95t004229	7	8	2	del.sp	951214	sub-s	77.90	NA
s96t000032	7	9	2	del.sp	951214	sub-s	75.31	NA
s96t000038	7	9	2	del.sp	951214	sub-s	75.34	NA
s96t000032	7	9	1	del.sp	951214	sub-s	75.95	NA
s96t000038	7	9	1	del.sp	951214	sub-s	76.11	NA

Summary for Tank b204

Tank Statistics

wet.waste.vol	=	185.5	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	179.6	dry.sterr.top	=	1.046
dry.waste.vol	=	99.3	dry.sterr.bot	=	1.046
dry.vol.top	=	3.437	dry.corr	=	0.831
dry.vol.bot	=	95.86	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8204	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.7238	rw.toc.mu	=	4.623
h2o.grp	=	wet.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.76e-11	8.73e-10	1.25e-08	2.32e-07	1.67e-05	0.000297	0.0345	2.12
Dry	6.53e-05	0.000265	0.001	0.00405	0.0214	0.0654	0.3	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t002976	2	1	2	del.sp	951011	surfa	89.12	NA
s95t002976	2	1	1	del.sp	951011	surfa	89.33	NA
s95t003051	2	10	1	del.sp	951011	sub-s	76.06	NA
s95t003052	2	10	2	del.sp	951011	sub-s	76.85	NA
s95t003051	2	10	2	del.sp	951011	sub-s	77.66	NA
s95t003052	2	10	1	del.sp	951011	sub-s	79.02	NA
s95t003054	2	11	2	del.sp	951011	sub-s	76.57	NA
s95t003053	2	11	2	del.sp	951011	sub-s	76.60	NA
s95t003053	2	11	1	del.sp	951011	sub-s	78.22	NA
s95t003054	2	11	1	del.sp	951011	sub-s	78.56	NA
s95t003056	2	12	2	del.sp	951011	sub-s	75.85	NA
s95t003056	2	12	1	del.sp	951011	sub-s	76.53	NA

s95t003055	2	12	2	del.sp	951011	sub-s	76.96	NA
s95t003055	2	12	1	del.sp	951011	sub-s	78.59	NA
s95t003058	2	13	1	del.sp	951011	sub-s	78.17	NA
s95t003057	2	13	2	del.sp	951011	sub-s	78.31	NA
s95t003057	2	13	1	del.sp	951011	sub-s	78.39	NA
s95t003058	2	13	2	del.sp	951011	sub-s	78.78	NA
s95t003059	2	14	1	del.sp	951011	sub-s	71.02	NA
s95t003059	2	14	2	del.sp	951011	sub-s	76.12	NA
s95t003060	2	14	1	del.sp	951011	sub-s	76.17	NA
s95t003060	2	14	2	del.sp	951011	sub-s	77.86	NA
s95t002979	2	2	2	del.sp	951011	sub-s	79.05	NA
s95t002979	2	2	1	del.sp	951011	sub-s	79.15	NA
s95t002984	2	2	1	del.sp	951011	sub-s	89.24	NA
s95t002984	2	2	2	del.sp	951011	sub-s	89.33	NA
s95t002986	2	2	2	del.sp	951011	sub-s	98.10	NA
s95t002986	2	2	1	del.sp	951011	sub-s	98.19	NA
s95t003038	2	3	1	del.sp	951011	sub-s	77.62	NA
s95t003038	2	3	2	del.sp	951011	sub-s	78.23	NA
s95t003037	2	3	1	del.sp	951011	sub-s	79.54	NA
s95t003037	2	3	2	del.sp	951011	sub-s	81.37	NA
s95t003040	2	4	1	del.sp	951011	sub-s	76.62	NA
s95t003040	2	4	2	del.sp	951011	sub-s	76.78	NA
s95t003039	2	4	2	del.sp	951011	sub-s	78.41	NA
s95t003039	2	4	1	del.sp	951011	sub-s	78.72	NA
s95t003041	2	5	1	del.sp	951011	sub-s	71.32	NA
s95t003041	2	5	2	del.sp	951011	sub-s	76.70	NA
s95t003042	2	5	1	del.sp	951011	sub-s	79.35	NA
s95t003042	2	5	2	del.sp	951011	sub-s	79.80	NA
s95t003043	2	6	1	del.sp	951011	sub-s	72.54	NA
s95t003043	2	6	2	del.sp	951011	sub-s	77.90	NA
s95t003044	2	6	2	del.sp	951011	sub-s	78.24	NA
s95t003044	2	6	1	del.sp	951011	sub-s	78.42	NA
s95t003046	2	7	1	del.sp	951011	sub-s	75.26	NA
s95t003046	2	7	2	del.sp	951011	sub-s	75.45	NA
s95t003045	2	7	2	del.sp	951011	sub-s	78.25	NA
s95t003045	2	7	1	del.sp	951011	sub-s	79.13	NA
s95t003048	2	8	1	del.sp	951011	sub-s	67.37	NA
s95t003047	2	8	1	del.sp	951011	sub-s	77.48	NA
s95t003048	2	8	2	del.sp	951011	sub-s	78.38	NA
s95t003047	2	8	2	del.sp	951011	sub-s	78.95	NA
s95t003049	2	9	2	del.sp	951011	sub-s	74.70	NA
s95t003049	2	9	1	del.sp	951011	sub-s	76.86	NA
s95t003050	2	9	2	del.sp	951011	sub-s	77.93	NA
s95t003050	2	9	1	del.sp	951011	sub-s	78.64	NA
s95t003255	7	1	2	del.sp	951013	surfa	88.56	NA
s95t003255	7	1	1	del.sp	951013	surfa	89.20	NA

s95t003273	7	10	1	del.sp	951013	sub-s	78.97	NA
s95t003273	7	10	2	del.sp	951013	sub-s	79.13	NA
s95t003272	7	10	1	del.sp	951013	sub-s	79.70	NA
s95t003272	7	10	2	del.sp	951013	sub-s	80.46	NA
s95t003274	7	11	1	del.sp	951013	sub-s	75.76	NA
s95t003274	7	11	2	del.sp	951013	sub-s	77.96	NA
s95t003275	7	11	2	del.sp	951013	sub-s	79.11	NA
s95t003275	7	11	1	del.sp	951013	sub-s	79.30	NA
s95t003277	7	12	1	del.sp	951013	sub-s	77.87	NA
s95t003277	7	12	2	del.sp	951013	sub-s	78.56	NA
s95t003276	7	12	2	del.sp	951013	sub-s	79.46	NA
s95t003276	7	12	1	del.sp	951013	sub-s	79.60	NA
s95t003278	7	13	2	del.sp	951013	sub-s	40.95	NA
s95t003278	7	13	1	del.sp	951013	sub-s	50.78	NA
s95t003278	7	13	3	del.sp	951013	sub-s	74.58	NA
s95t003279	7	13	1	del.sp	951013	sub-s	77.56	NA
s95t003279	7	13	2	del.sp	951013	sub-s	78.29	NA
s95t003281	7	14	2	del.sp	951013	sub-s	76.67	NA
s95t003280	7	14	1	del.sp	951013	sub-s	77.00	NA
s95t003281	7	14	1	del.sp	951013	sub-s	77.15	NA
s95t003280	7	14	2	del.sp	951013	sub-s	78.05	NA
s95t003256	7	2	1	del.sp	951013	sub-s	78.00	NA
s95t003256	7	2	2	del.sp	951013	sub-s	80.86	NA
s95t003257	7	2	1	del.sp	951013	sub-s	80.93	NA
s95t003257	7	2	2	del.sp	951013	sub-s	81.14	NA
s95t003259	7	3	2	del.sp	951013	sub-s	80.30	NA
s95t003258	7	3	1	del.sp	951013	sub-s	80.99	NA
s95t003259	7	3	1	del.sp	951013	sub-s	81.36	NA
s95t003258	7	3	2	del.sp	951013	sub-s	81.59	NA
s95t003260	7	4	2	del.sp	951013	sub-s	54.36	NA
s95t003260	7	4	1	del.sp	951013	sub-s	76.22	NA
s95t003260	7	4	2	del.sp	951013	sub-s	76.94	NA
s95t003260	7	4	1	del.sp	951013	sub-s	78.64	NA
s95t003261	7	4	2	del.sp	951013	sub-s	79.88	NA
s95t003261	7	4	1	del.sp	951013	sub-s	80.24	NA
s95t003263	7	5	1	del.sp	951013	sub-s	72.88	NA
s95t003262	7	5	2	del.sp	951013	sub-s	81.50	NA
s95t003262	7	5	1	del.sp	951013	sub-s	81.55	NA
s95t003263	7	5	2	del.sp	951013	sub-s	81.70	NA
s95t003264	7	6	2	del.sp	951013	sub-s	74.93	NA
s95t003264	7	6	1	del.sp	951013	sub-s	78.08	NA
s95t003265	7	6	2	del.sp	951013	sub-s	81.74	NA
s95t003265	7	6	1	del.sp	951013	sub-s	82.78	NA
s95t003266	7	7	2	del.sp	951013	sub-s	76.45	NA
s95t003266	7	7	1	del.sp	951013	sub-s	79.93	NA
s95t003267	7	7	2	del.sp	951013	sub-s	81.18	NA

s95t003267	7	7	1	del.sp	951013	sub-s	81.30	NA
s95t003269	7	8	2	del.sp	951013	sub-s	79.12	NA
s95t003268	7	8	2	del.sp	951013	sub-s	79.76	NA
s95t003269	7	8	1	del.sp	951013	sub-s	79.78	NA
s95t003268	7	8	1	del.sp	951013	sub-s	80.15	NA
s95t003270	7	9	2	del.sp	951013	sub-s	78.54	NA
s95t003271	7	9	1	del.sp	951013	sub-s	78.59	NA
s95t003271	7	9	2	del.sp	951013	sub-s	78.93	NA
s95t003270	7	9	1	del.sp	951013	sub-s	80.08	NA

Summary for Tank bx101

Tank Statistics

wet.waste.vol	=	159	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	76.88	dry.sterr.top	=	0.8727
dry.waste.vol	=	127.1	dry.sterr.bot	=	0.8727
dry.vol.top	=	66.59	dry.corr	=	0.7572
dry.vol.bot	=	60.48	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-1.458	toc.mu.top	=	-4.696
h2o.mu.bot	=	-1.305	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3321	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4712	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-1.683	toc.mu	=	NaN
rw.h2o.mu	=	0.04194	rw.toc.mu	=	4.507
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.89e-08	2.11e-07	1.48e-06	1.18e-05	0.000254	0.00192	0.0884	1.74
Dry	4.24e-05	0.000134	0.000423	0.00143	0.0064	0.0178	0.0706	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
r5738	1	1	2	940620	surfa	8.45	NA				
r5739	1	1	1	940620	surfa	13.14	NA				
r5738	1	1	1	940620	surfa	14.14	NA				
r5739	1	1	2	940620	surfa	14.21	NA				
r5740	1	1	2	940620	surfa	24.80	NA				
r5740	1	1	1	940620	surfa	27.77	NA				
				bx101r1s1		17.1	NA	NA	1.233	NA	NA
r5750	7	1	2	940621	surfa	0.90	NA				
r5750	7	1	1	940621	surfa	2.13	NA				
r5746	7	1	1	940621	surfa	15.35	NA				
r5749	7	1	2	940621	surfa	15.76	NA				
r5749	7	1	1	940621	surfa	16.37	NA				

r5745	7	1	1	940621	surfa	18.36	NA					
r5746	7	1	2	940621	surfa	21.98	NA					
r5745	7	1	2	940621	surfa	23.83	NA					
					bx101r7s1	14.3	NA	NA	1.157	NA	NA	

Summary for Tank bx102

Tank Statistics

wet.waste.vol	=	363.4	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	281.3	dry.sterr.top	=	0.8727
dry.waste.vol	=	212.2	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	163.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4582	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.56e-11	4.44e-10	4.93e-09	8.93e-08	5.22e-06	9.34e-05	0.00755	1.43
Dry	3.8e-05	0.000122	0.000385	0.00133	0.00603	0.0178	0.0804	0.729

Data From Tank

No Data Associated with This Tank

Summary for Tank bx103

Tank Statistics

wet.waste.vol	=	234.7	dry.mu.top	=	-3.661
wet.vol.top	=	82.09	dry.mu.bot	=	-3.476
wet.vol.bot	=	152.6	dry.sterr.top	=	0.6603
dry.waste.vol	=	144.3	dry.sterr.bot	=	0.44
dry.vol.top	=	52.97	dry.corr	=	0.5047
dry.vol.bot	=	91.37	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.5984	toc.mu.top	=	-4.061
h2o.mu.bot	=	-0.4005	toc.mu.bot	=	-3.99
h2o.sterr.top	=	0.4751	toc.sterr.top	=	0.674
h2o.sterr.bot	=	0.3324	toc.sterr.bot	=	0.4197
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-0.4557	toc.mu	=	-3.766
rw.h2o.mu	=	0.3467	rw.toc.mu	=	4.559
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.41e-08	5.55e-08	2.36e-07	9.65e-07	6.3e-06	2.85e-05	0.000942	0.0103
Dry	0.00114	0.00191	0.00325	0.00583	0.0125	0.0226	0.0514	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001039	2	2	2	950530	sub-s	22.14	NA				
s95t001039	2	2	2	950530	sub-s	23.40	NA				
s95t001039	2	2	1	950530	sub-s	23.60	NA				
s95t001039	2	2	1	950530	sub-s	24.14	NA				
s95t001039	2	2	2	950530	sub-s	25.01	NA				
s95t001039	2	2	1	950530	sub-s	29.60	NA				
s95t001044	2	2	1	950530	sub-s	76.84	NA				
s95t001044	2	2	2	950530	sub-s	79.73	NA				
s98t000203	2	2	1	NA	sub-s	NA	0.257				
s98t000203	2	2	2	NA	sub-s	NA	0.359				
s98t000203	2	2	2	NA	sub-s	22.18	NA				
s98t000203	2	2	1	NA	sub-s	23.60	NA				
					bx103r2s2	26.7	0.308	0.42	1.427	-0.511	-3.841

s95t001023	7	2	2	950524	sub-s	39.25	NA				
s95t001022	7	2	1	950524	sub-s	40.68	NA				
s95t001023	7	2	1	950524	sub-s	40.75	NA				
s95t001022	7	2	2	950524	sub-s	44.91	NA				
s95t001033	7	2	2	950524	sub-s	75.16	NA				
s95t001033	7	2	1	950524	sub-s	75.31	NA				
s98t000199	7	2	1	NA	sub-s	NA	0.654				
s98t000198	7	2	1	NA	sub-s	NA	0.625				
s98t000199	7	2	2	NA	sub-s	NA	0.727				
s98t000198	7	2	2	NA	sub-s	NA	0.643				
s98t000198	7	2	2	NA	sub-s	66.96	NA				
s98t000199	7	2	1	NA	sub-s	54.65	NA				
s98t000198	7	2	1	NA	sub-s	66.58	NA				
s98t000199	7	2	2	NA	sub-s	56.38	NA				
					bx103r7s2	52.4	0.662	1.391	1.719	-0.179	-2.593

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t001038	2	1	1	del.sup	950530	super	55.20	NA
s95t001038	2	1	2	del.sup	950530	super	57.21	NA
s95t001037	2	1	1	del.sup	950530	super	59.61	NA
s95t001037	2	1	2	del.sup	950530	super	62.98	NA
s95t001043	2	1	1	del.sup	950530	super	77.79	NA
s95t001043	2	1	2	del.sup	950530	super	79.44	NA
s95t001021	7	1	1	del.sup	950524	super	60.65	NA
s95t001021	7	1	2	del.sup	950524	super	63.17	NA
s95t001032	7	1	1	del.sup	950524	super	78.13	NA
s95t001032	7	1	2	del.sup	950524	super	78.78	NA
s98t000202	2	1	1	del.sup	NA	super	NA	1.06
s98t000196	7	1	1	del.sup	NA	super	NA	1.37
s98t000202	2	1	2	del.sup	NA	super	NA	1.24
s98t000196	7	1	2	del.sup	NA	super	NA	1.38
s98t000202	2	1	2	del.sup	NA	super	62.68	NA
s98t000196	7	1	2	del.sup	NA	super	61.74	NA
s98t000204	7	1	1	del.sup	NA	super	79.41	NA
s98t000201	2	1	1	del.sup	NA	super	79.41	NA
s98t000202	2	1	1	del.sup	NA	super	65.08	NA
s98t000196	7	1	1	del.sup	NA	super	63.99	NA
s98t000204	7	1	2	del.sup	NA	super	77.86	NA
s98t000201	2	1	2	del.sup	NA	super	79.15	NA

Summary for Tank bx104

Tank Statistics

wet.waste.vol	=	363.4	dry.mu.top	=	-3.291
wet.vol.top	=	82.09	dry.mu.bot	=	-3.975
wet.vol.bot	=	281.3	dry.sterr.top	=	0.4144
dry.waste.vol	=	219.4	dry.sterr.bot	=	0.4879
dry.vol.top	=	52.17	dry.corr	=	0.3983
dry.vol.bot	=	167.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-0.5561	toc.mu.top	=	-3.746
h2o.mu.bot	=	-0.3822	toc.mu.bot	=	-4.578
h2o.sterr.top	=	0.3012	toc.sterr.top	=	0.3957
h2o.sterr.bot	=	0.3491	toc.sterr.bot	=	0.4744
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	3
h2o.mu	=	-0.5305	toc.mu	=	-4.061
rw.h2o.mu	=	0.3838	rw.toc.mu	=	4.565
h2o.grp	=	wet.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.57e-08	4.41e-08	1.22e-07	3.92e-07	2.18e-06	8.84e-06	0.000144	0.00623
Dry	0.000768	0.00118	0.00184	0.00301	0.00569	0.00941	0.0187	0.678

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
96-2983	1	1	1	960106	surfa	56.5	NA				
96-2983	1	1	2	960106	surfa	53.6	NA				
96-2983	1	1	1	960106	surfa	NA	0.744				
96-2983	1	1	2	960106	surfa	NA	0.868				
96-2984	1	1	1	960106	surfa	49.2	NA				
96-2984	1	1	2	960106	surfa	47.2	NA				
96-2984	1	1	1	960106	surfa	NA	0.538				
96-2984	1	1	2	960106	surfa	NA	0.489				
					bx104r1s1	51.6	0.66	1.364	1.713	-0.181	-2.615
96-2979	7	1	1	960105	surfa	24.4	NA				
96-2979	7	1	2	960105	surfa	24.8	NA				
96-2979	7	1	1	960105	surfa	NA	0.710				

96-2979	7	1	2	960105	surfa	NA	0.640					
96-2989	7	1	1	960105	surfa	65.4	NA					
96-2989	7	1	2	960105	surfa	65.1	NA					
96-2989	7	1	1	960105	surfa	NA	0.315					
96-2989	7	1	2	960105	surfa	NA	0.329					
					bx104r7s1	24.6	0.675	0.895	1.391	-0.171	-3.061	
96-2981	7	2	1	960105	sub-s	36.7	NA					
96-2981	7	2	2	960105	sub-s	35.0	NA					
96-2981	7	2	1	960105	sub-s	NA	0.110					
96-2981	7	2	2	960105	sub-s	NA	0.104					
96-2982	7	2	1	960105	sub-s	39.1	NA					
96-2982	7	2	2	960105	sub-s	36.8	NA					
96-2982	7	2	1	960105	sub-s	NA	0.060					
96-2982	7	2	2	960105	sub-s	NA	0.068					
96-2990	7	2	1	960105	sub-s	64.8	NA					
96-2990	7	2	2	960105	sub-s	63.4	NA					
96-2990	7	2	1	960105	sub-s	NA	0.164					
96-2990	7	2	2	960105	sub-s	NA	0.173					
					bx104r7s2	36.9	*****	0.135	1.567	-1.068	-4.988	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
96-2985	1	2	1	del.hhf	960106	sub-s	42.6	NA
96-2985	1	2	2	del.hhf	960106	sub-s	41.6	NA
96-2985	1	2	1	del.hhf	960106	sub-s	NA	0.230
96-2985	1	2	2	del.hhf	960106	sub-s	NA	0.260
96-2992	1	2	1	del.hhf	960106	sub-s	80.3	NA
96-2992	1	2	2	del.hhf	960106	sub-s	79.3	NA
96-2992	1	2	1	del.hhf	960106	sub-s	NA	0.112
96-2992	1	2	2	del.hhf	960106	sub-s	NA	0.100

Summary for Tank bx105

Tank Statistics

wet.waste.vol	=	174.1	dry.mu.top	=	-3.925
wet.vol.top	=	82.09	dry.mu.bot	=	-4.066
wet.vol.bot	=	92.02	dry.sterr.top	=	0.7124
dry.waste.vol	=	141.6	dry.sterr.bot	=	0.5584
dry.vol.top	=	69.08	dry.corr	=	0.5981
dry.vol.bot	=	72.57	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-1.67	toc.mu.top	=	-4.245
h2o.mu.bot	=	-1.316	toc.mu.bot	=	-4.469
h2o.sterr.top	=	0.3324	toc.sterr.top	=	0.7269
h2o.sterr.bot	=	0.4748	toc.sterr.bot	=	0.5421
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-1.942	toc.mu	=	-4.701
rw.h2o.mu	=	0.0356	rw.toc.mu	=	4.506
h2o.grp	=	wet.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.53e-07	2.41e-06	1.16e-05	5.48e-05	0.00056	0.00225	0.056	3.14
Dry	0.000132	0.000289	0.000644	0.00156	0.00479	0.0109	0.039	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s94t000141	2	1	2	940930	surfa	7.24	NA				
s94t000139	2	1	1	940930	surfa	9.86	NA				
s94t000139	2	1	2	940930	surfa	11.53	NA				
s94t000143	2	1	2	940930	surfa	13.43	NA				
s94t000141	2	1	1	940930	surfa	13.76	NA				
s94t000143	2	1	1	940930	surfa	15.74	NA				
					bx105r2s1	11.9	NA	NA	1.077	NA	NA
s94t000147	6	1	1	941005	surfa	4.91	NA				
s94t000147	6	1	2	941005	surfa	5.54	NA				
s94t000148	6	1	2	941005	surfa	14.78	NA				
s94t000148	6	1	1	941005	surfa	16.18	NA				
s94t000146	6	1	2	941005	surfa	18.77	NA				

```
s94t000146  6    1      1 941005 surfa 18.97   NA
                              bx105r6s1  13.2   NA     NA   1.12     NA     NA

82xcooxx    na1  999    NA     NA sub-s    NA 0.18
                        bx105rna133s999  21.1 0.18  0.228  1.325 -0.745 -4.462
```

Summary for Tank bx106

Tank Statistics

wet.waste.vol	=	117.3	dry.mu.top	=	-3.522
wet.vol.top	=	82.09	dry.mu.bot	=	-3.695
wet.vol.bot	=	35.25	dry.sterr.top	=	0.5556
dry.waste.vol	=	74.45	dry.sterr.bot	=	0.7085
dry.vol.top	=	50.95	dry.corr	=	0.5939
dry.vol.bot	=	23.49	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.4927	toc.mu.top	=	-3.92
h2o.mu.bot	=	-0.6926	toc.mu.bot	=	-4.225
h2o.sterr.top	=	0.3326	toc.sterr.top	=	0.5402
h2o.sterr.bot	=	0.4741	toc.sterr.bot	=	0.7217
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-0.4617	toc.mu	=	-3.502
rw.h2o.mu	=	0.286	rw.toc.mu	=	4.549
h2o.grp	=	wet.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.22e-08	4.93e-08	1.76e-07	9.7e-07	1.05e-05	4.24e-05	0.000832	0.13
Dry	0.000979	0.00184	0.00347	0.00691	0.0165	0.0315	0.0744	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t000116	2	1	1	951218	surfa	38.90	NA				
s96t000116	2	1	2	951218	surfa	43.46	NA				
					bx106r2s1	41.2	NA	NA	1.615	NA	NA
s96t000112	6	1	2	951215	surfa	32.75	NA				
s96t000112	6	1	1	951215	surfa	39.64	NA				
s96t000112	6	1	1	951215	surfa	NA	0.582				
s96t000112	6	1	2	951215	surfa	NA	0.589				
					bx106r6s1	36.2	0.585	0.917	1.559	-0.233	-3.035

Summary for Tank bx107

Tank Statistics

wet.waste.vol	=	1302	dry.mu.top	=	-4.788
wet.vol.top	=	82.09	dry.mu.bot	=	-4.978
wet.vol.bot	=	1220	dry.sterr.top	=	0.5903
dry.waste.vol	=	667.4	dry.sterr.bot	=	0.2023
dry.vol.top	=	43.51	dry.corr	=	0.2596
dry.vol.bot	=	623.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	12
h2o.mu.top	=	-0.1203	toc.mu.top	=	-5.338
h2o.mu.bot	=	-0.04573	toc.mu.bot	=	-5.658
h2o.sterr.top	=	0.3854	toc.sterr.top	=	0.6096
h2o.sterr.bot	=	0.1355	toc.sterr.bot	=	0.1885
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	14	toc.nobs	=	12
h2o.mu	=	-0.03733	toc.mu	=	-5.696
rw.h2o.mu	=	0.8911	rw.toc.mu	=	4.651
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	4.45e-18	5.7e-16	5.71e-14	8.4e-13	1.13e-10	9.94e-07
Dry	2.59e-07	4.37e-07	7.5e-07	1.43e-06	4.54e-06	1.24e-05	8.54e-05	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
888-5712	3	2	2	920519	sub-s	39.60	NA				
888-5712	3	2	1	920519	sub-s	49.10	NA				
					bx107r3s2	44.4	NA	NA	1.647	NA	NA
887-5712	3	3	1	920519	sub-s	52.50	NA				
887-5712	3	3	2	920519	sub-s	54.10	NA				
829-5710	3	3	2	920519	sub-s	56.80	NA				
829-5710	3	3	1	920519	sub-s	56.89	NA				
					bx107r3s3	55.1	NA	NA	1.741	NA	NA
869-5710	3	5	1	920519	sub-s	27.90	NA				
884-5712	3	5	2	920519	sub-s	36.40	NA				
884-5712	3	5	1	920519	sub-s	39.40	NA				

				bx107r3s5	34.6	NA	NA	1.539	NA	NA
883-5712	3	6	1	920519	sub-s	38.40	NA				
883-5712	3	6	2	920519	sub-s	44.00	NA				
809-5710	3	6	1	920519	sub-s	48.72	NA				
809-5710	3	6	2	920519	sub-s	50.16	NA				
				bx107r3s6	45.3	NA	NA	1.656	NA	NA
882-5712	3	7	2	920519	sub-s	34.00	NA				
882-5712	3	7	1	920519	sub-s	35.20	NA				
806-5710	3	7	2	920519	sub-s	48.70	NA				
806-5710	3	7	1	920519	sub-s	50.34	NA				
				bx107r3s7	42.1	NA	NA	1.624	NA	NA
927-7726	3	999	2	NA	sub-s	NA	0.100				
				bx107r3s999	48.9	*****	0.195	1.689	-1.001	-4.621
897-5712	7	2	2	920427	sub-s	43.70	NA				
897-5712	7	2	1	920427	sub-s	45.00	NA				
907-5710	7	2	2	920427	sub-s	54.68	NA				
907-5710	7	2	1	920427	sub-s	55.15	NA				
				bx107r7s2	49.6	NA	NA	1.696	NA	NA
878-5710	7	4	1	920427	sub-s	50.80	NA				
895-5712	7	4	1	920427	sub-s	51.20	NA				
895-5712	7	4	2	920427	sub-s	51.40	NA				
902-5710	7	4	2	920427	sub-s	52.90	NA				
902-5710	7	4	1	920427	sub-s	53.40	NA				
				bx107r7s4	51.9	NA	NA	1.716	NA	NA
893-5712	7	5	2	920427	sub-s	50.80	NA				
893-5712	7	5	1	920427	sub-s	54.90	NA				
900-5710	7	5	2	920427	sub-s	56.60	NA				
900-5710	7	5	1	920427	sub-s	57.70	NA				
				bx107r7s5	55	NA	NA	1.74	NA	NA
892-5712	7	6	2	920427	sub-s	46.00	NA				
892-5712	7	6	1	920427	sub-s	46.20	NA				
854-5710	7	6	1	920427	sub-s	56.20	NA				
854-5710	7	6	2	920427	sub-s	56.30	NA				
				bx107r7s6	51.2	NA	NA	1.709	NA	NA
851-5710	7	7	2	920427	sub-s	43.00	NA				
851-5710	7	7	1	920427	sub-s	44.30	NA				
890-5712	7	7	2	920427	sub-s	48.80	NA				
890-5712	7	7	1	920427	sub-s	50.40	NA				

				bx107r7s7	46.6	NA	NA	1.669	NA	NA
924-7726	7	999	2	NA sub-s	NA	0.070				
				bx107r7s999	48.9	0.07	0.137	1.689	-1.155	-4.978
NA	na1	999	1	NA sub-s	NA	0.055				
				bx107rna104s999	48.9	0.055	0.108	1.689	-1.26	-5.22
NA	na1	999	1	NA sub-s	NA	0.070				
				bx107rna105s999	48.9	0.07	0.137	1.689	-1.155	-4.978
NA	na1	999	1	NA sub-s	NA	0.080				
				bx107rna106s999	48.9	*****	0.156	1.689	-1.099	-4.848
c41comp1	na1	NA	1	NA sub-s	NA	0.050				
				bx107rna118s-7048	48.9	0.05	0.098	1.689	-1.301	-5.316
rat-bx107-2	na5	NA	NA	NA sub-s	53.70	NA				
				**********	53.7	NA	NA	1.73	NA	NA
NA	na5	999	NA	NA sub-s	52.50	NA				
				bx107rna57s999	52.5	NA	NA	1.72	NA	NA
NA	na5	7	NA	NA sub-s	49.60	NA				
				bx107rna58s7	49.6	NA	NA	1.695	NA	NA
c41comp1	na5	NA	1	NA sub-s	55.95	NA				
				**********	56	NA	NA	1.748	NA	NA
rat-bx107-2	na8	NA	NA	NA sub-s	NA	0.073				
				bx107rna83s-7083	48.9	0.073	0.143	1.689	-1.137	-4.935
NA	na8	999	NA	NA sub-s	NA	0.090				
				bx107rna88s999	48.9	*****	0.175	1.689	-1.047	-4.728
NA	na8	7	NA	NA sub-s	NA	0.055				
				bx107rna89s7	48.9	0.055	0.108	1.689	-1.26	-5.22
NA	na9	999	2	NA sub-s	NA	0.055				
				bx107rna90s999	48.9	0.055	0.108	1.689	-1.26	-5.22
NA	na9	999	2	NA sub-s	NA	0.055				
				bx107rna91s999	48.9	0.055	0.108	1.689	-1.26	-5.22
NA	na9	999	2	NA sub-s	NA	0.070				
				bx107rna92s999	48.9	0.07	0.137	1.689	-1.155	-4.978

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
907-5710	7	2	2	del.dup	920427	sub-s	54.7	NA
907-5710	7	2	1	del.dup	920427	sub-s	55.2	NA
854-5719	7	6	1	del.dup	920427	sub-s	56.2	NA
854-5719	7	6	2	del.dup	920427	sub-s	56.3	NA
851-5710	7	7	2	del.dup	920427	sub-s	43.0	NA
851-5710	7	7	1	del.dup	920427	sub-s	44.3	NA

Summary for Tank bx108

Tank Statistics

wet.waste.vol	=	98.41	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	16.32	dry.sterr.top	=	0.8727
dry.waste.vol	=	75.36	dry.sterr.bot	=	0.8727
dry.vol.top	=	63.18	dry.corr	=	0.7572
dry.vol.bot	=	12.18	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-1.207	toc.mu.top	=	-4.696
h2o.mu.bot	=	-1.078	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3321	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4712	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-1.379	toc.mu	=	NaN
rw.h2o.mu	=	0.06568	rw.toc.mu	=	4.511
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.13e-09	2.4e-08	1.49e-07	1.07e-06	4.89e-05	0.000671	0.0113	0.639
Dry	3.51e-05	0.000113	0.000363	0.00126	0.00577	0.0173	0.0795	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
r5872	2	1	2	940722	surfa	51.80	NA				
r5872	2	1	1	940722	surfa	52.78	NA				
					bx108r2s1	52.3	NA	NA	1.718	NA	NA
r5876	6	1	2	940714	surfa	3.29	NA				
r5877	6	1	2	940714	surfa	4.42	NA				
r5877	6	1	1	940714	surfa	4.57	NA				
r5876	6	1	1	940714	surfa	4.74	NA				
r5875	6	1	1	940714	surfa	6.59	NA				
r5875	6	1	2	940714	surfa	9.19	NA				
					bx108r6s1	5.47	NA	NA	0.738	NA	NA

Summary for Tank bx109

Tank Statistics

wet.waste.vol	=	730.5	dry.mu.top	=	-4.703
wet.vol.top	=	82.09	dry.mu.bot	=	-4.933
wet.vol.bot	=	648.4	dry.sterr.top	=	0.5052
dry.waste.vol	=	356.2	dry.sterr.bot	=	0.5052
dry.vol.top	=	40.73	dry.corr	=	0.4658
dry.vol.bot	=	315.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	0.01525	toc.mu.top	=	-5.331
h2o.mu.bot	=	0.05413	toc.mu.bot	=	-5.681
h2o.sterr.top	=	0.2718	toc.sterr.top	=	0.4901
h2o.sterr.bot	=	0.1918	toc.sterr.bot	=	0.4898
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	8	toc.nobs	=	2
h2o.mu	=	0.06553	toc.mu	=	-5.735
rw.h2o.mu	=	1.122	rw.toc.mu	=	4.691
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	7.23e-19	2.81e-16	6.26e-15	1.11e-13	2.71e-12	7.07e-11
Dry	5.23e-07	1.14e-06	2.6e-06	6.64e-06	2.21e-05	5.66e-05	0.000258	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000780	2	1	1	950411	surfa	52.56	NA				
s95t000780	2	1	2	950411	surfa	52.78	NA				
s95t000783	2	1	1	950411	surfa	57.53	NA				
s95t000783	2	1	2	950411	surfa	57.73	NA				
s95t000783	2	1	1	950411	surfa	67.45	NA				
				bx109r2s1		54.3	NA	NA	1.735	NA	NA
s95t000789	2	2	2	950411	sub-s	43.72	NA				
s95t000786	2	2	2	950411	sub-s	49.58	NA				
s95t000789	2	2	1	950411	sub-s	50.65	NA				
s95t000786	2	2	1	950411	sub-s	51.36	NA				
				bx109r2s2		48.8	NA	NA	1.689	NA	NA

s95t000836	2	3	2	950411	sub-s	50.86	NA					
s95t000839	2	3	1	950411	sub-s	50.98	NA					
s95t000836	2	3	1	950411	sub-s	51.23	NA					
s95t000839	2	3	2	950411	sub-s	51.70	NA					
					bx109r2s3	51.2	NA	NA	1.709	NA	NA	
s95t000847	2	4	1	950411	sub-s	51.29	NA					
s95t000847	2	4	2	950411	sub-s	51.39	NA					
s95t000850	2	4	1	950411	sub-s	53.46	NA					
s95t000850	2	4	2	950411	sub-s	54.63	NA					
s95t000853	2	4	2	950411	sub-s	87.61	NA					
s95t000853	2	4	1	950411	sub-s	87.66	NA					
					bx109r2s4	59.3	NA	NA	1.773	NA	NA	
s95t000759	6	1	1	950404	surfa	48.07	NA					
s95t000759	6	1	2	950404	surfa	49.92	NA					
s95t000759	6	1	2	950404	surfa	NA	0.092					
s95t000759	6	1	1	950404	surfa	NA	0.107					
					bx109r6s1	49	*****	0.195	1.69	-1.002	-4.62	
s95t000765	6	2	2	950404	sub-s	50.03	NA					
s95t000765	6	2	1	950404	sub-s	50.78	NA					
s95t000762	6	2	2	950404	sub-s	50.89	NA					
s95t000762	6	2	1	950404	sub-s	51.17	NA					
					bx109r6s2	50.7	NA	NA	1.705	NA	NA	
s95t000768	6	3	2	950404	sub-s	48.67	NA					
s95t000771	6	3	1	950404	sub-s	48.91	NA					
s95t000771	6	3	2	950404	sub-s	49.02	NA					
s95t000768	6	3	1	950404	sub-s	49.52	NA					
s95t000768	6	3	2	950404	sub-s	NA	0.038					
s95t000768	6	3	1	950404	sub-s	NA	0.046					
					bx109r6s3	49	*****	0.082	1.69	-1.38	-5.496	
s95t000774	6	4	1	950404	sub-s	47.98	NA					
s95t000774	6	4	2	950404	sub-s	48.87	NA					
s95t000777	6	4	1	950404	sub-s	52.78	NA					
s95t000777	6	4	2	950404	sub-s	52.92	NA					
					bx109r6s4	50.6	NA	NA	1.704	NA	NA	

Summary for Tank bx110

Tank Statistics

wet.waste.vol	=	772.1	dry.mu.top	=	-3.771
wet.vol.top	=	82.09	dry.mu.bot	=	-3.882
wet.vol.bot	=	690.1	dry.sterr.top	=	0.44
dry.waste.vol	=	539.6	dry.sterr.bot	=	0.6603
dry.vol.top	=	61.74	dry.corr	=	0.5047
dry.vol.bot	=	477.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-1.11	toc.mu.top	=	-4.12
h2o.mu.bot	=	-0.812	toc.mu.bot	=	-4.378
h2o.sterr.top	=	0.3324	toc.sterr.top	=	0.4198
h2o.sterr.bot	=	0.4748	toc.sterr.bot	=	0.6732
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-1.266	toc.mu	=	-3.964
rw.h2o.mu	=	0.146	rw.toc.mu	=	4.525
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.09e-07	3.28e-07	1.52e-06	6.21e-06	4.66e-05	0.000183	0.00629	0.0481
Dry	0.000199	0.000399	0.00083	0.00193	0.00595	0.0139	0.0555	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t002945	3	1	1	951012	surfa	7.03	NA				
s95t002945	3	1	1	951012	surfa	9.66	NA				
s95t002945	3	1	2	951012	surfa	10.42	NA				
s95t002945	3	1	2	951012	surfa	NA	0.389				
s95t002945	3	1	1	951012	surfa	NA	0.410				
					bx110r3s1	9.04	0.4	0.439	0.956	-0.398	-3.796
s95t002903	6	1	2	951012	surfa	43.67	NA				
s95t002903	6	1	1	951012	surfa	45.22	NA				
s95t002903	6	1	2	951012	surfa	NA	0.347				
s95t002903	6	1	1	951012	surfa	NA	0.348				
					bx110r6s1	44.4	0.347	0.626	1.648	-0.459	-3.433

Summary for Tank bx111

Tank Statistics

wet.waste.vol	=	613.2	dry.mu.top	=	-4.65
wet.vol.top	=	82.09	dry.mu.bot	=	-4.793
wet.vol.bot	=	531.1	dry.sterr.top	=	0.7085
dry.waste.vol	=	337.2	dry.sterr.bot	=	0.5556
dry.vol.top	=	48	dry.corr	=	0.5939
dry.vol.bot	=	289.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.3425	toc.mu.top	=	-5.186
h2o.mu.bot	=	-0.1785	toc.mu.bot	=	-5.46
h2o.sterr.top	=	0.5301	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.4342	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	1
h2o.mu	=	0.07604	toc.mu	=	-5.806
rw.h2o.mu	=	0.6351	rw.toc.mu	=	4.608
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.21e-16	7.37e-15	1.13e-13	1.58e-12	7.94e-11	8.51e-10	6.56e-07	2.06e-05
Dry	1.27e-06	3.29e-06	8.67e-06	2.58e-05	0.000104	0.000308	0.00134	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
rat-bx110-2	na5	NA	NA	NA	sub-s	51.9	NA				
		**********				51.9	NA	NA	1.715	NA	NA
rat-bx110-2	na8	NA	NA	NA	sub-s	NA	0.06				
		**********				45.5	0.06	0.11	1.658	-1.222	-5.196

Summary for Tank bx112

Tank Statistics

wet.waste.vol	=	620.7	dry.mu.top	=	-4.077
wet.vol.top	=	82.09	dry.mu.bot	=	-4.136
wet.vol.bot	=	538.7	dry.sterr.top	=	0.6662
dry.waste.vol	=	216	dry.sterr.bot	=	0.443
dry.vol.top	=	30.36	dry.corr	=	0.5123
dry.vol.bot	=	185.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	0.5331	toc.mu.top	=	-4.856
h2o.mu.bot	=	0.6428	toc.mu.bot	=	-5.145
h2o.sterr.top	=	0.2769	toc.sterr.top	=	0.6798
h2o.sterr.bot	=	0.2257	toc.sterr.bot	=	0.422
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	6	toc.nobs	=	2
h2o.mu	=	0.6747	toc.mu	=	-5.336
rw.h2o.mu	=	4.264	rw.toc.mu	=	5.225
h2o.grp	=	dry.sludge	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.61e-20	4.45e-18	4.4e-17	9.05e-16	2.35e-14	3.42e-13	5.14e-11	1.47e-07
Dry	5.49e-05	0.000105	0.000205	0.00043	0.00114	0.00241	0.00681	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t003754	2	1	1	951117	surfa	65.42	NA				
s95t003754	2	1	2	951117	surfa	65.50	NA				
96-02605	2	1	2	951130	surfa	68.70	NA				
96-02605	2	1	1	951130	surfa	73.50	NA				
96-03365	2	1	2	951130	surfa	58.50	NA				
96-03365	2	1	1	951130	surfa	57.30	NA				
96-02848	2	1	2	951130	surfa	66.10	NA				
96-02848	2	1	1	951130	surfa	65.10	NA				
96-02606	2	1	2	951130	surfa	67.60	NA				
96-02606	2	1	1	951130	surfa	68.10	NA				
96-03366	2	1	2	951130	surfa	59.50	NA				
96-03366	2	1	1	951130	surfa	60.50	NA				
					bx112r2s1	64.5	NA	NA	1.809	NA	NA

96-02608	2	2	1	951130	sub-s	NA	0.083					
96-02607	2	2	2	951130	sub-s	NA	0.088					
96-02607	2	2	1	951130	sub-s	NA	0.107					
96-02608	2	2	2	951130	sub-s	NA	0.113					
96-02607	2	2	2	951130	sub-s	63.90	NA					
96-02607	2	2	1	951130	sub-s	66.50	NA					
96-02608	2	2	2	951130	sub-s	70.10	NA					
96-02608	2	2	1	951130	sub-s	69.70	NA					
				bx112r2s2		67.6	*****	0.301	1.83	-1.01	-4.18	
96-02609	2	3	2	951130	sub-s	69.20	NA					
96-02609	2	3	1	951130	sub-s	66.50	NA					
96-02850	2	3	2	951130	sub-s	74.70	NA					
96-02850	2	3	1	951130	sub-s	73.10	NA					
				bx112r2s3		67.8	NA	NA	1.832	NA	NA	
s95t003746	3	1	1	951116	surfa	55.59	NA					
s95t003746	3	1	1	951116	surfa	60.72	NA					
s95t003746	3	1	2	951116	surfa	61.77	NA					
s95t003746	3	1	2	951116	surfa	62.30	NA					
s95t003750	3	1	1	951116	surfa	63.37	NA					
s95t003750	3	1	2	951116	surfa	63.52	NA					
96-02611	3	1	2	951221	surfa	66.50	NA					
96-02611	3	1	1	951221	surfa	69.00	NA					
96-02612	3	1	2	951221	surfa	63.00	NA					
96-02612	3	1	1	951221	surfa	66.80	NA					
				bx112r3s1		63.3	NA	NA	1.801	NA	NA	
96-02613	3	2	2	951221	sub-s	NA	0.052					
96-02613	3	2	1	951221	sub-s	NA	0.106					
96-02614	3	2	1	951221	sub-s	NA	0.108					
96-02614	3	2	2	951221	sub-s	NA	0.110					
96-02613	3	2	2	951221	sub-s	66.20	NA					
96-02613	3	2	1	951221	sub-s	67.70	NA					
96-02614	3	2	2	951221	sub-s	66.80	NA					
96-02614	3	2	1	951221	sub-s	64.70	NA					
				bx112r3s2		66.4	0.094	0.279	1.822	-1.027	-4.257	
96-02615	3	3	2	951221	sub-s	68.40	NA					
96-02615	3	3	1	951221	sub-s	66.90	NA					
96-02616	3	3	2	951221	sub-s	68.60	NA					
96-02616	3	3	1	951221	sub-s	67.80	NA					
				bx112r3s3		67.9	NA	NA	1.832	NA	NA	

Summary for Tank by101

Tank Statistics

wet.waste.vol	=	1465	dry.mu.top	=	-4.236
wet.vol.top	=	82.09	dry.mu.bot	=	-4.266
wet.vol.bot	=	1383	dry.sterr.top	=	0.5052
dry.waste.vol	=	1127	dry.sterr.bot	=	0.5052
dry.vol.top	=	65.35	dry.corr	=	0.4658
dry.vol.bot	=	1062	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-1.362	toc.mu.top	=	-4.484
h2o.mu.bot	=	-1.198	toc.mu.bot	=	-4.631
h2o.sterr.top	=	0.3691	toc.sterr.top	=	0.4901
h2o.sterr.bot	=	0.369	toc.sterr.bot	=	0.4898
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-1.375	toc.mu	=	-4.496
rw.h2o.mu	=	0.06233	rw.toc.mu	=	4.511
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.91e-08	1.48e-07	4.73e-07	1.86e-06	1.26e-05	6.31e-05	0.000598	0.00502
Dry	1.88e-05	3.79e-05	7.84e-05	0.000176	0.000526	0.00119	0.00477	0.363

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t001357	10b	2	1	970527	sub-s	26.34	NA				
s97t001357	10b	2	2	970527	sub-s	26.38	NA				
s98t000210	10b	2	1	NA	sub-s	NA	0.229				
s98t000210	10b	2	2	NA	sub-s	NA	0.170				
s98t000210	10b	2	2	NA	sub-s	13.50	NA				
s98t000210	10b	2	1	NA	sub-s	28.89	NA				
				by101r10bs2		23.8	0.2	0.262	1.376	-0.7	-4.323
s97t001362	10d	1	1	970527	surfa	17.14	0.275				
s97t001362	10d	1	2	970527	surfa	21.00	0.253				
s98t000213	10d	1	1	NA	surfa	NA	0.218				
s98t000213	10d	1	2	NA	surfa	NA	0.229				
s98t000213	10d	1	2	NA	surfa	16.52	NA				

```
s98t000213  10d    1    1     NA surfa 13.36    NA
                              by101r10ds1   17 0.244  0.294  1.231 -0.613 -4.206
```

Summary for Tank by102

Tank Statistics

wet.waste.vol	=	1048	dry.mu.top	=	-4.275
wet.vol.top	=	82.09	dry.mu.bot	=	-3.493
wet.vol.bot	=	966.4	dry.sterr.top	=	0.4662
dry.waste.vol	=	770.9	dry.sterr.bot	=	0.2722
dry.vol.top	=	65.49	dry.corr	=	0.2759
dry.vol.bot	=	705.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	7
h2o.mu.top	=	-1.373	toc.mu.top	=	-4.57
h2o.mu.bot	=	-0.9944	toc.mu.bot	=	-3.85
h2o.sterr.top	=	0.3175	toc.sterr.top	=	0.4576
h2o.sterr.bot	=	0.1951	toc.sterr.bot	=	0.2551
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	7	toc.nobs	=	7
h2o.mu	=	-1.07	toc.mu	=	-3.938
rw.h2o.mu	=	0.09669	rw.toc.mu	=	4.516
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.52e-06	2.99e-06	6.36e-06	1.33e-05	4.47e-05	0.000113	0.000568	0.0283
Dry	0.00081	0.00112	0.00158	0.00231	0.00384	0.00576	0.011	0.41

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t004294	5	1	2	960708	surfa	11.42	NA				
s96t004294	5	1	1	960708	surfa	11.89	NA				
s96t004294	5	1	1	960708	surfa	NA	0.075				
s96t004294	5	1	2	960708	surfa	NA	0.090				
					by102r5s1	11.7	*****	0.093	1.067	-1.086	-5.367
s96t003633	5	2	1	960708	sub-s	12.92	NA				
s96t003633	5	2	1	960708	sub-s	20.11	NA				
s96t003633	5	2	2	960708	sub-s	28.60	NA				
s96t003633	5	2	2	960708	sub-s	31.13	NA				
s96t003633	5	2	2	960708	sub-s	NA	0.456				
s96t003633	5	2	3	960708	sub-s	NA	0.652				
s96t003633	5	2	1	960708	sub-s	NA	0.779				

					by102r5s2	23.2	0.629	0.819	1.365	-0.201 -3.154
s96t003644	5	3	2	960708	sub-s	26.42	NA			
s96t003644	5	3	1	960708	sub-s	26.57	NA			
s96t003644	5	3	2	960708	sub-s	NA	0.792			
s96t003644	5	3	3	960708	sub-s	NA	1.030			
s96t003644	5	3	1	960708	sub-s	NA	1.050			
					by102r5s3	26.5	0.957	1.302	1.423	-0.019 -2.664
s96t004147	5	4	1	960708	sub-s	19.83	NA			
s96t004147	5	4	2	960708	sub-s	20.46	NA			
s96t004145	5	4	1	960708	sub-s	23.59	NA			
s96t004146	5	4	2	960708	sub-s	24.88	NA			
s96t004146	5	4	1	960708	sub-s	28.70	NA			
s96t004145	5	4	2	960708	sub-s	30.60	NA			
s96t004147	5	4	2	960708	sub-s	NA	0.180			
s96t004147	5	4	1	960708	sub-s	NA	0.261			
s96t004145	5	4	3	960708	sub-s	NA	0.299			
s96t004145	5	4	1	960708	sub-s	NA	0.413			
s96t004145	5	4	2	960708	sub-s	NA	0.599			
s96t004146	5	4	2	960708	sub-s	NA	1.000			
s96t004146	5	4	1	960708	sub-s	NA	1.080			
					by102r5s4	24.7	0.547	0.727	1.392	-0.262 -3.278
s96t004341	5	5	1	960708	sub-s	22.04	NA			
s96t004341	5	5	2	960708	sub-s	22.68	NA			
s96t004341	5	5	1	960708	sub-s	NA	0.333			
s96t004341	5	5	2	960708	sub-s	NA	0.407			
s96t004148	5	5	2	960708	sub-s	16.69	NA			
s96t004148	5	5	1	960708	sub-s	16.84	NA			
s96t004149	5	5	1	960708	sub-s	22.56	NA			
s96t004149	5	5	2	960708	sub-s	32.70	NA			
s96t004149	5	5	2	960708	sub-s	NA	0.113			
s96t004149	5	5	1	960708	sub-s	NA	0.141			
s96t004149	5	5	3	960708	sub-s	NA	0.182			
s96t004148	5	5	2	960708	sub-s	NA	0.676			
s96t004148	5	5	1	960708	sub-s	NA	0.693			
					by102r5s5	22.3	0.364	0.468	1.347	-0.439 -3.732
s96t003645	5	6	1	960708	sub-s	49.02	NA			
s96t003646	5	6	1	960708	sub-s	50.22	NA			
s96t003646	5	6	2	960708	sub-s	50.71	NA			
s96t003645	5	6	2	960708	sub-s	51.46	NA			
s96t003645	5	6	2	960708	sub-s	NA	0.346			
s96t003645	5	6	1	960708	sub-s	NA	0.357			
s96t003646	5	6	3	960708	sub-s	NA	0.400			

s96t003646	5	6	1	960708	sub-s	NA	0.408					
s96t003646	5	6	2	960708	sub-s	NA	0.453					
					by102r5s6	50.4	0.393	0.791	1.702	-0.406	-3.19	
s96t004151	5	7	1	960708	sub-s	21.58	NA					
s96t004151	5	7	2	960708	sub-s	23.64	NA					
s96t004150	5	7	2	960708	sub-s	24.14	NA					
s96t004150	5	7	1	960708	sub-s	29.85	NA					
s96t004153	5	7	2	960708	sub-s	30.48	NA					
s96t004152	5	7	1	960708	sub-s	32.63	NA					
s96t004152	5	7	2	960708	sub-s	33.80	NA					
s96t004153	5	7	1	960708	sub-s	36.55	NA					
s96t004133	5	7	2	960708	sub-s	50.56	NA					
s96t004133	5	7	1	960708	sub-s	50.95	NA					
s96t004151	5	7	1	960708	sub-s	NA	0.104					
s96t004133	5	7	1	960708	sub-s	NA	0.105					
s96t004133	5	7	2	960708	sub-s	NA	0.108					
s96t004151	5	7	2	960708	sub-s	NA	0.110					
s96t004153	5	7	2	960708	sub-s	NA	0.258					
s96t004153	5	7	1	960708	sub-s	NA	0.262					
s96t004150	5	7	2	960708	sub-s	NA	0.274					
s96t004150	5	7	1	960708	sub-s	NA	0.297					
s96t004152	5	7	2	960708	sub-s	NA	0.501					
s96t004152	5	7	1	960708	sub-s	NA	0.584					
					by102r5s7	29.1	0.299	0.421	1.464	-0.525	-3.839	
s96t003657	5	8	2	960708	sub-s	52.03	NA					
s96t003657	5	8	1	960708	sub-s	52.24	NA					
s96t003657	5	8	2	960708	sub-s	NA	0.143					
s96t003657	5	8	1	960708	sub-s	NA	0.144					
					by102r5s8	NA	NA	NA	NA	NA	NA	

Summary for Tank by103

Tank Statistics

wet.waste.vol	=	1514	dry.mu.top	=	-3.332
wet.vol.top	=	82.09	dry.mu.bot	=	-3.552
wet.vol.bot	=	1432	dry.sterr.top	=	0.5556
dry.waste.vol	=	1178	dry.sterr.bot	=	0.7085
dry.vol.top	=	65.83	dry.corr	=	0.5939
dry.vol.bot	=	1112	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-1.398	toc.mu.top	=	-3.571
h2o.mu.bot	=	-1.245	toc.mu.bot	=	-3.958
h2o.sterr.top	=	0.3317	toc.sterr.top	=	0.5402
h2o.sterr.bot	=	0.4665	toc.sterr.bot	=	0.7217
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-1.503	toc.mu	=	-2.963
rw.h2o.mu	=	0.05595	rw.toc.mu	=	4.51
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.000124	0.000332	0.0015	0.00538	0.0283	0.0905	1.67	56.9
Dry	0.000971	0.00196	0.00403	0.0091	0.0254	0.0538	0.171	0.678

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000507	10b	1	1	950308	surfa	14.06	NA				
s95t000507	10b	1	3	950308	surfa	18.76	NA.				
s95t000507	10b	1	2	950308	surfa	33.59	NA				
s98t000215	10b	1	1	NA	surfa	NA	0.255				
s98t000214	10b	1	1	NA	surfa	NA	1.250				
s98t000215	10b	1	2	NA	surfa	NA	0.224				
s98t000214	10b	1	2	NA	surfa	NA	2.200				
s98t000215	10b	1	2	NA	surfa	11.26	NA				
s98t000214	10b	1	2	NA	surfa	32.27	NA				
s98t000215	10b	1	1	NA	surfa	17.88	NA				
s98t000214	10b	1	1	NA	surfa	19.94	NA				
				by103r10bs1		21.1	0.982	1.245	1.324	-0.008	-2.712

s95t000511	12a	1	1	950310	surfa	11.63	NA					
s95t000511	12a	1	3	950310	surfa	15.72	NA					
s95t000511	12a	1	2	950310	surfa	19.49	NA					
					by103r12as1	15.6	NA	NA	1.193	NA	NA	

Summary for Tank by104

Tank Statistics

wet.waste.vol	=	1537	dry.mu.top	=	-3.384
wet.vol.top	=	82.09	dry.mu.bot	=	-3.107
wet.vol.bot	=	1455	dry.sterr.top	=	0.594
dry.waste.vol	=	1171	dry.sterr.bot	=	0.2204
dry.vol.top	=	58.09	dry.corr	=	0.2811
dry.vol.bot	=	1113	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	10
h2o.mu.top	=	-0.8842	toc.mu.top	=	-3.61
h2o.mu.bot	=	-1.181	toc.mu.bot	=	-3.401
h2o.sterr.top	=	0.3083	toc.sterr.top	=	0.6129
h2o.sterr.bot	=	0.1488	toc.sterr.bot	=	0.2056
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	10
h2o.mu	=	-1.163	toc.mu	=	-3.324
rw.h2o.mu	=	0.06939	rw.toc.mu	=	4.512
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.000387	0.000622	0.00113	0.00217	0.00481	0.00944	0.0502	1.42
Dry	0.00488	0.00613	0.00776	0.0102	0.0145	0.0193	0.03	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t003529	11	2	1	951115	sub-s	7.29	NA				
s95t003529	11	2	2	951115	sub-s	12.96	NA				
s95t003529	11	2	2	951115	sub-s	13.40	NA				
s95t003529	11	2	1	951115	sub-s	14.66	NA				
s95t003529	11	2	2	951115	sub-s	15.74	NA				
s95t003528	11	2	1	951115	sub-s	16.08	NA				
s95t003529	11	2	1	951115	sub-s	16.52	NA				
s95t003528	11	2	2	951115	sub-s	16.71	NA				
s95t003528	11	2	1	951115	sub-s	16.90	NA				
s95t003528	11	2	2	951115	sub-s	NA	2.450				
s95t003528	11	2	1	951115	sub-s	NA	2.810				
					by104r11s2	14.5	2.63	3.075	1.161	0.42	-1.705

s95t003703	11	3	2	951115	sub-s	6.13	NA					
s95t003702	11	3	1	951115	sub-s	8.45	NA					
s95t003703	11	3	2	951115	sub-s	8.98	NA					
s95t003702	11	3	2	951115	sub-s	9.22	NA					
s95t003702	11	3	2	951115	sub-s	10.10	NA					
s95t003703	11	3	2	951115	sub-s	11.80	NA					
s95t003703	11	3	1	951115	sub-s	11.86	NA					
s95t003702	11	3	1	951115	sub-s	12.32	NA					
s95t003703	11	3	1	951115	sub-s	12.53	NA					
s95t003703	11	3	1	951115	sub-s	12.61	NA					
s95t003702	11	3	1	951115	sub-s	NA	0.400					
s95t003702	11	3	2	951115	sub-s	NA	0.419					
				by104r11s3		10.4	0.41	0.457	1.017	-0.388	-3.756	
s95t003637	11	4	1	951115	sub-s	18.71	NA					
s95t003632	11	4	1	951115	sub-s	19.00	NA					
s95t003632	11	4	2	951115	sub-s	22.41	NA					
s95t003637	11	4	2	951115	sub-s	24.20	NA					
s95t003637	11	4	2	951115	sub-s	25.16	NA					
s95t003637	11	4	1	951115	sub-s	31.67	NA					
s95t003641	11	4	2	951115	sub-s	33.91	NA					
s95t003641	11	4	1	951115	sub-s	33.92	NA					
s95t003637	11	4	1	951115	sub-s	NA	0.527					
s95t003632	11	4	1	951115	sub-s	NA	0.542					
s95t003641	11	4	1	951115	sub-s	NA	0.571					
s95t003641	11	4	2	951115	sub-s	NA	0.581					
s95t003632	11	4	2	951115	sub-s	NA	0.606					
s95t003637	11	4	2	951115	sub-s	NA	0.609					
				by104r11s4		26.1	0.573	0.775	1.417	-0.242	-3.211	
s95t003638	11	5	1	951115	sub-s	20.34	NA					
s95t003638	11	5	2	951115	sub-s	21.08	NA					
s95t003645	11	5	2	951115	sub-s	21.29	NA					
s95t003645	11	5	1	951115	sub-s	21.70	NA					
s95t003645	11	5	1	951115	sub-s	22.52	NA					
s95t003642	11	5	1	951115	sub-s	23.36	NA					
s95t003633	11	5	2	951115	sub-s	24.11	NA					
s95t003633	11	5	1	951115	sub-s	24.42	NA					
s95t003645	11	5	2	951115	sub-s	24.45	NA					
s95t003642	11	5	2	951115	sub-s	32.83	NA					
s95t003642	11	5	1	951115	sub-s	NA	0.505					
s95t003638	11	5	1	951115	sub-s	NA	0.602					
s95t003642	11	5	2	951115	sub-s	NA	0.605					
s95t003633	11	5	2	951115	sub-s	NA	0.617					
s95t003645	11	5	1	951115	sub-s	NA	0.626					
s95t003645	11	5	2	951115	sub-s	NA	0.628					

s95t003633	11	5	1	951115	sub-s	NA	0.641					
s95t003638	11	5	2	951115	sub-s	NA	0.657					
				by104r11s5		23.6	0.61	0.799	1.373	-0.215	-3.18	
s95t003643	11	6	3	951115	sub-s	0.96	NA					
s95t003646	11	6	2	951115	sub-s	1.00	NA					
s95t003643	11	6	1	951115	sub-s	22.90	NA					
s95t003646	11	6	1	951115	sub-s	22.97	NA					
s95t003643	11	6	2	951115	sub-s	23.00	NA					
s95t003646	11	6	2	951115	sub-s	23.10	NA					
s95t003646	11	6	1	951115	sub-s	23.20	NA					
s95t003646	11	6	2	951115	sub-s	24.24	NA					
s95t003634	11	6	2	951115	sub-s	26.33	NA					
s95t003643	11	6	2	951115	sub-s	28.00	NA					
s95t003634	11	6	1	951115	sub-s	28.77	NA					
s95t003639	11	6	1	951115	sub-s	30.64	NA					
s95t003639	11	6	2	951115	sub-s	33.01	NA					
s95t003639	11	6	2	951115	sub-s	NA	0.393					
s95t003639	11	6	1	951115	sub-s	NA	0.405					
s95t003634	11	6	1	951115	sub-s	NA	0.485					
s95t003634	11	6	2	951115	sub-s	NA	0.496					
s95t003643	11	6	2	951115	sub-s	NA	0.516					
s95t003643	11	6	1	951115	sub-s	NA	0.539					
s95t003646	11	6	2	951115	sub-s	NA	0.600					
s95t003646	11	6	1	951115	sub-s	NA	0.610					
				by104r11s6		22.2	0.506	0.649	1.346	-0.296	-3.394	
s95t003647	11	7	2	951115	sub-s	24.36	NA					
s95t003635	11	7	1	951115	sub-s	25.73	NA					
s95t003635	11	7	2	951115	sub-s	25.85	NA					
s95t003640	11	7	2	951115	sub-s	26.65	NA					
s95t003647	11	7	1	951115	sub-s	26.81	NA					
s95t003644	11	7	2	951115	sub-s	27.83	NA					
s95t003640	11	7	1	951115	sub-s	28.21	NA					
s95t003644	11	7	1	951115	sub-s	29.20	NA					
s95t003635	11	7	1	951115	sub-s	NA	0.631					
s95t003640	11	7	2	951115	sub-s	NA	0.668					
s95t003635	11	7	2	951115	sub-s	NA	0.731					
s95t003640	11	7	1	951115	sub-s	NA	0.759					
s95t003644	11	7	2	951115	sub-s	NA	0.843					
s95t003644	11	7	1	951115	sub-s	NA	0.850					
s95t003647	11	7	2	951115	sub-s	NA	1.220					
s95t003647	11	7	1	951115	sub-s	NA	1.280					
				by104r11s7		26.8	0.873	1.193	1.429	-0.059	-2.758	
s95t003636	11	8	2	951115	sub-s	26.76	NA					

s95t003636	11	8	1	951115	sub-s	26.96	NA				
s95t003648	11	8	2	951115	sub-s	33.59	NA				
s95t003648	11	8	1	951115	sub-s	35.26	NA				
s95t003648	11	8	1	951115	sub-s	NA	0.675				
s95t003648	11	8	2	951115	sub-s	NA	0.707				
s95t003636	11	8	1	951115	sub-s	NA	1.360				
s95t003636	11	8	2	951115	sub-s	NA	1.620				
					by104r11s8	30.6	1.09	1.572	1.486	0.038	-2.461
s95t003764	11a	1	2	951115	surfa	36.64	NA				
s95t003764	11a	1	1	951115	surfa	37.49	NA				
s95t003761	11a	1	2	951115	surfa	48.93	NA				
s95t003761	11a	1	1	951115	surfa	49.05	NA				
					by104r11as1	47.9	NA	NA	1.681	NA	NA
s95t003781	11a	2	2	951115	sub-s	28.11	NA				
s95t003781	11a	2	1	951115	sub-s	30.24	NA				
s95t003782	11a	2	1	951115	sub-s	34.40	NA				
s95t003782	11a	2	2	951115	sub-s	37.81	NA				
s95t003775	11a	2	1	951115	sub-s	48.80	NA				
s95t003775	11a	2	2	951115	sub-s	48.95	NA				
s95t003781	11a	2	1	951115	sub-s	NA	0.322				
s95t003781	11a	2	2	951115	sub-s	NA	0.356				
s95t003782	11a	2	1	951115	sub-s	NA	1.010				
s95t003782	11a	2	2	951115	sub-s	NA	1.060				
					by104r11as2	37.7	0.687	1.103	1.577	-0.163	-2.841
s95t003783	11a	3	1	951115	sub-s	26.37	NA				
s95t003783	11a	3	2	951115	sub-s	28.19	NA				
s95t003809	11a	3	2	951115	sub-s	35.97	NA				
s95t003809	11a	3	1	951115	sub-s	37.06	NA				
s95t003783	11a	3	2	951115	sub-s	NA	0.602				
s95t003783	11a	3	1	951115	sub-s	NA	0.649				
					by104r11as3	31.9	0.625	0.918	1.504	-0.204	-3.034
s95t003810	11a	4	2	951115	sub-s	13.40	NA				
s95t003810	11a	4	1	951115	sub-s	13.86	NA				
s95t003810	11a	4	2	951115	sub-s	14.60	NA				
s95t003810	11a	4	1	951115	sub-s	15.60	NA				
					by104r11as4	14.4	NA	NA	1.157	NA	NA
s95t003785	11a	5	1	951115	sub-s	15.26	NA				
s95t003785	11a	5	1	951115	sub-s	16.14	NA				
s95t003785	11a	5	2	951115	sub-s	16.40	NA				
s95t003784	11a	5	1	951115	sub-s	16.61	NA				
s95t003785	11a	5	2	951115	sub-s	17.55	NA				

s95t003784	11a	5	2	951115	sub-s	18.13	NA				
s95t003784	11a	5	2	951115	sub-s	NA	0.295				
s95t003784	11a	5	1	951115	sub-s	NA	0.306				
s95t003785	11a	5	1	951115	sub-s	NA	0.318				
s95t003785	11a	5	2	951115	sub-s	NA	0.330				
					by104r11as5	16.7	0.312	0.375	1.222	-0.505	-3.958

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t003528	11	2	2	del.qa	951115	sub-s	18.34	NA
s95t003646	11	6	1	del.qa	951115	sub-s	0.75	NA
s95t003643	11	6	1	del.qa	951115	sub-s	0.89	NA
riser5/auger	5	1	1	del.qa	930503	surfa	17.00	NA
riser5/auger	5	1	1	del.qa	930503	surfa	NA	0.6
riser5/auger	5	1	1	del.qa	930501	surfa	17.00	NA
riser5/auger	5	1	1	del.qa	930501	surfa	NA	0.9
riser10b/auger	10b	1	1	del.dup	930502	surfa	15.00	NA
riser10b/auger	10b	1	1	del.qa	930502	surfa	NA	1.1

Summary for Tank by105

Tank Statistics

wet.waste.vol	=	1904	dry.mu.top	=	-3.953
wet.vol.top	=	82.09	dry.mu.bot	=	-4.386
wet.vol.bot	=	1822	dry.sterr.top	=	0.4868
dry.waste.vol	=	1610	dry.sterr.bot	=	0.4136
dry.vol.top	=	67.95	dry.corr	=	0.3958
dry.vol.bot	=	1542	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-1.57	toc.mu.top	=	-4.147
h2o.mu.bot	=	-1.705	toc.mu.bot	=	-4.663
h2o.sterr.top	=	0.3457	toc.sterr.top	=	0.4741
h2o.sterr.bot	=	0.2998	toc.sterr.bot	=	0.3948
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	3
h2o.mu	=	-1.776	toc.mu	=	-4.419
rw.h2o.mu	=	0.02002	rw.toc.mu	=	4.503
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.34e-06	3.05e-06	8.18e-06	2.84e-05	0.000117	0.000457	0.00399	0.074
Dry	1.72e-05	3.02e-05	5.43e-05	0.000105	0.000249	0.00049	0.0014	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t003393	12a	1	2	950914	surfa	19.88	NA				
s95t003393	12a	1	1	950914	surfa	27.11	NA				
s95t003393	12a	1	1	950914	surfa	29.00	NA				
s95t003394	12a	1	1	950914	surfa	54.03	NA				
s95t003394	12a	1	2	950914	surfa	54.41	NA				
s95t003394	12a	1	2	950914	surfa	NA	0.138				
s95t003394	12a	1	1	950914	surfa	NA	0.139				
s95t003393	12a	1	1	950914	surfa	NA	0.346				
s95t003393	12a	1	2	950914	surfa	NA	0.347				
s95t003395	12a	1	2	950914	surfa	9.09	NA				
s95t003395	12a	1	1	950914	surfa	9.47	NA				
s95t003396	12a	1	2	950914	surfa	54.07	NA				
s95t003396	12a	1	1	950914	surfa	54.36	NA				

s95t003396	12a	1	2	950914	surfa	NA	0.140				
s95t003396	12a	1	1	950914	surfa	NA	0.143				
s95t003395	12a	1	2	950914	surfa	NA	0.680				
s95t003395	12a	1	1	950914	surfa	NA	0.697				
s95t003419	12a	1	1	950914	surfa	21.06	NA				
s95t003419	12a	1	2	950914	surfa	22.83	NA				
s95t003418	12a	1	1	950914	surfa	53.58	NA				
s95t003418	12a	1	2	950914	surfa	54.10	NA				
s95t003418	12a	1	1	950914	surfa	NA	0.126				
s95t003418	12a	1	2	950914	surfa	NA	0.146				
s95t003419	12a	1	1	950914	surfa	NA	0.540				
s95t003419	12a	1	2	950914	surfa	NA	0.571				
s95t003397	12a	1	2	950914	surfa	18.07	NA				
s95t003397	12a	1	1	950914	surfa	28.58	NA				
s95t003397	12a	1	1	950914	surfa	34.23	NA				
s95t003397	12a	1	2	950914	surfa	NA	0.634				
s95t003397	12a	1	1	950914	surfa	NA	0.761				
s95t003417	12a	1	1	950914	surfa	14.76	NA				
s95t003417	12a	1	1	950914	surfa	17.69	NA				
s95t003417	12a	1	2	950914	surfa	39.65	NA				
s95t003417	12a	1	1	950914	surfa	NA	0.403				
s95t003417	12a	1	2	950914	surfa	NA	0.410				
					by105r12as1	22.4	0.539	0.695	1.351	-0.268	-3.325
s95t003398	12a	2	1	950914	sub-s	16.46	NA				
s95t003398	12a	2	2	950914	sub-s	17.10	NA				
s95t003398	12a	2	1	950914	sub-s	NA	0.403				
s95t003398	12a	2	2	950914	sub-s	NA	0.412				
s95t003421	12a	2	1	950914	sub-s	19.43	NA				
s95t003421	12a	2	2	950914	sub-s	20.74	NA				
s95t003422	12a	2	2	950914	sub-s	37.32	NA				
s95t003422	12a	2	1	950914	sub-s	41.35	NA				
s95t003422	12a	2	2	950914	sub-s	53.10	NA				
s95t003422	12a	2	1	950914	sub-s	53.29	NA				
s95t003422	12a	2	2	950914	sub-s	NA	0.158				
s95t003422	12a	2	1	950914	sub-s	NA	0.162				
s95t003421	12a	2	1	950914	sub-s	NA	0.199				
s95t003421	12a	2	2	950914	sub-s	NA	0.237				
s95t003420	12a	2	2	950914	sub-s	22.61	NA				
s95t003420	12a	2	3	950914	sub-s	22.89	NA				
s95t003420	12a	2	1	950914	sub-s	32.35	NA				
s95t003420	12a	2	2	950914	sub-s	NA	0.450				
s95t003420	12a	2	1	950914	sub-s	NA	0.516				
					by105r12as2	21.7	0.37	0.472	1.336	-0.432	-3.723
s95t003399	12a	3	3	950914	sub-s	2.80	NA				

```
s95t003399  12a    3    2 950914 sub-s  6.12    NA
s95t003399  12a    3    1 950914 sub-s  8.27    NA
s95t003399  12a    3    1 950914 sub-s    NA 0.065
s95t003399  12a    3    2 950914 sub-s    NA 0.069
                      by105r12as3  5.73 *****  0.071  0.758 -1.175 -5.638
```

Summary for Tank by106

Tank Statistics

wet.waste.vol	=	2430	dry.mu.top	=	-4.334
wet.vol.top	=	82.09	dry.mu.bot	=	-4.017
wet.vol.bot	=	2348	dry.sterr.top	=	0.3837
dry.waste.vol	=	1796	dry.sterr.bot	=	0.1603
dry.vol.top	=	60.15	dry.corr	=	0.1405
dry.vol.bot	=	1735	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	21
h2o.mu.top	=	-1.009	toc.mu.top	=	-4.72
h2o.mu.bot	=	-1.041	toc.mu.bot	=	-4.376
h2o.sterr.top	=	0.2611	toc.sterr.top	=	0.3716
h2o.sterr.bot	=	0.1144	toc.sterr.bot	=	0.1492
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	21	toc.nobs	=	21
h2o.mu	=	-1.042	toc.mu	=	-4.403
rw.h2o.mu	=	0.09115	rw.toc.mu	=	4.515
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.57e-08	4.17e-08	7.37e-08	1.44e-07	4.02e-07	7.37e-07	3.62e-06	1.2e-05
Dry	5.71e-05	7.41e-05	9.71e-05	0.000132	0.0002	0.000278	0.000478	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s94t000305	10b	1	2	950121	surfa	46.24	NA				
s94t000305	10b	1	1	950121	surfa	47.17	NA				
s94t000305	10b	1	2	950121	surfa	NA	0.241				
s94t000305	10b	1	1	950121	surfa	NA	0.257				
				by106r10bs1		46.7	0.249	0.467	1.669	-0.604	-3.733
s94t000371	10b	10	1	950121	sub-s	63.85	NA				
s94t000371	10b	10	2	950121	sub-s	64.07	NA				
s94t000373	10b	10	3	950121	sub-s	11.66	NA				
s94t000372	10b	10	2	950121	sub-s	14.24	NA				
s94t000373	10b	10	2	950121	sub-s	17.41	NA				
s94t000373	10b	10	1	950121	sub-s	20.10	NA				
s94t000371	10b	10	1	950121	sub-s	NA	0.179				

s94t000371	10b	10	2	950121	sub-s	NA	0.189					
s94t000372	10b	10	3	950121	sub-s	23.54	NA					
s94t000372	10b	10	1	950121	sub-s	25.39	NA					
s94t000373	10b	10	2	950121	sub-s	NA	0.067					
s94t000372	10b	10	2	950121	sub-s	NA	0.120					
s94t000373	10b	10	1	950121	sub-s	NA	0.134					
s94t000372	10b	10	1	950121	sub-s	NA	0.170					
				by106r10bs10		45.1	0.159	0.289	1.654	-0.8	-4.223	
s94t000381	10b	11	1	950121	sub-s	3.51	NA					
s94t000381	10b	11	2	950121	sub-s	4.05	NA					
s94t000381	10b	11	2	950121	sub-s	NA	0.040					
s94t000381	10b	11	1	950121	sub-s	NA	0.060					
s95t000084	10b	11	2	950124	sub-s	20.63	NA					
s95t000084	10b	11	1	950124	sub-s	25.28	NA					
				by106r10bs11		13.4	*****	0.057	1.126	-1.303	-5.849	
s94t000391	10b	13	2	950121	sub-s	10.15	NA					
s94t000391	10b	13	1	950121	sub-s	12.26	NA					
s94t000391	10b	13	1	950121	sub-s	NA	0.011					
s94t000391	10b	13	2	950121	sub-s	NA	0.012					
s95t000098	10b	13	1	950124	sub-s	27.38	NA					
s95t000098	10b	13	2	950124	sub-s	28.93	NA					
s95t000099	10b	13	2	950124	sub-s	36.62	NA					
s95t000099	10b	13	1	950124	sub-s	38.01	NA					
s95t000734	10b	13	2	950124	sub-s	NA	1.920					
s95t000734	10b	13	1	950124	sub-s	NA	1.990					
s95t000099	10b	13	1	950124	sub-s	NA	2.080					
s95t000099	10b	13	2	950124	sub-s	NA	2.170					
				by106r10bs13		25.6	1.36	1.832	1.408	0.135	-2.294	
s94t000308	10b	2	1	950121	sub-s	46.65	NA					
s94t000308	10b	2	2	950121	sub-s	47.26	NA					
s94t000308	10b	2	2	950121	sub-s	NA	0.227					
s94t000308	10b	2	1	950121	sub-s	NA	0.285					
				by106r10bs2		47	0.256	0.483	1.672	-0.592	-3.7	
s95t000004	10b	3	2	950121	sub-s	67.93	NA					
s95t000004	10b	3	1	950121	sub-s	68.57	NA					
s95t000228	10b	3	1	950121	sub-s	NA	0.149					
s95t000228	10b	3	2	950121	sub-s	NA	0.157					
s95t000004	10b	3	1	950121	sub-s	NA	0.185					
s95t000004	10b	3	2	950121	sub-s	NA	0.186					
s94t000309	10b	3	2	950121	sub-s	32.20	NA					
s94t000309	10b	3	1	950121	sub-s	38.31	NA					
s94t000309	10b	3	2	950121	sub-s	NA	0.225					

```
s94t000309  10b   3     1 950121 sub-s    NA 0.231
                        by106r10bs3  61.4 0.182  0.471  1.788 -0.741 -3.725

s94t000311  10b   4     1 950121 sub-s  9.70    NA
s94t000311  10b   4     2 950121 sub-s  9.78    NA
s94t000310  10b   4     1 950121 sub-s 21.07    NA
s94t000310  10b   4     2 950121 sub-s 25.62    NA
s94t000311  10b   4     2 950121 sub-s    NA 0.123
s94t000311  10b   4     1 950121 sub-s    NA 0.131
s94t000310  10b   4     1 950121 sub-s    NA 0.418
s94t000310  10b   4     2 950121 sub-s    NA 0.441
                        by106r10bs4  16.5 0.278  0.333  1.219 -0.556 -4.077

s94t000326  10b   5     2 950121 sub-s 14.24    NA
s94t000326  10b   5     1 950121 sub-s 14.37    NA
s94t000326  10b   5     1 950121 sub-s    NA 0.073
s94t000326  10b   5     2 950121 sub-s    NA 0.099
                        by106r10bs5  14.3 *****  0.101  1.155 -1.064 -5.286

s94t000355  10b   6     1 950121 sub-s 54.57    NA
s94t000355  10b   6     2 950121 sub-s 55.22    NA
s94t000342  10b   6     2 950121 sub-s 15.64    NA
s94t000342  10b   6     1 950121 sub-s 18.01    NA
s94t000342  10b   6     2 950121 sub-s    NA 0.090
s94t000342  10b   6     1 950121 sub-s    NA 0.095
s94t000355  10b   6     1 950121 sub-s    NA 0.320
s94t000355  10b   6     2 950121 sub-s    NA 0.312
                        by106r10bs6  49.5 0.285  0.564  1.695 -0.546  -3.54

s94t000343  10b   8     1 950121 sub-s  8.26    NA
s94t000343  10b   8     2 950121 sub-s 11.57    NA
s94t000344  10b   8     1 950121 sub-s 17.65    NA
s94t000344  10b   8     2 950121 sub-s 20.47    NA
s94t000345  10b   8     1 950121 sub-s 43.17    NA
s94t000345  10b   8     2 950121 sub-s 43.45    NA
s94t000344  10b   8     2 950121 sub-s    NA 0.082
s94t000344  10b   8     1 950121 sub-s    NA 0.094
s94t000343  10b   8     1 950121 sub-s    NA 0.105
s94t000343  10b   8     2 950121 sub-s    NA 0.105
s94t000345  10b   8     1 950121 sub-s    NA 0.286
s94t000345  10b   8     2 950121 sub-s    NA 0.302
                        by106r10bs8  24.1 0.162  0.214  1.382 -0.789 -4.527

s94t000346  10b   9     2 950121 sub-s 14.94    NA
s94t000346  10b   9     1 950121 sub-s 18.38    NA
s94t000346  10b   9     1 950121 sub-s    NA 0.040
```

```
s94t000346  10b   9     2 950121 sub-s    NA 0.046
                        by106r10bs9  16.7 *****  0.052  1.222 -1.363 -5.949

s95t004167  5     1     2 960102 surfa 15.06    NA
s95t004167  5     1     1 960102 surfa 17.45    NA
s95t004167  5     1     2 960102 surfa    NA 0.075
s95t004167  5     1     1 960102 surfa    NA 0.081
                         by106r5s1  16.3 *****  0.093  1.211 -1.107 -5.362

s96t000104  5     10    2 960102 sub-s  6.31    NA
s96t000104  5     10    1 960102 sub-s 10.49    NA
s96t000104  5     10    1 960102 sub-s    NA 0.103
s96t000104  5     10    3 960102 sub-s    NA 0.113
s96t000104  5     10    2 960102 sub-s    NA 0.121
s96t000105  5     10    2 960102 sub-s 18.35    NA
s96t000105  5     10    1 960102 sub-s 18.47    NA
s96t000105  5     10    1 960102 sub-s    NA 0.490
s96t000105  5     10    2 960102 sub-s    NA 0.513
s96t000248  5     10    2 960102 sub-s 36.81    NA
s96t000248  5     10    1 960102 sub-s 45.28    NA
s96t000249  5     10    1 960102 sub-s 48.24    NA
s96t000248  5     10    1 960102 sub-s 48.82    NA
s96t000248  5     10    2 960102 sub-s 48.86    NA
s96t000249  5     10    2 960102 sub-s 48.93    NA
s96t000258  5     10    1 960102 sub-s 49.56    NA
s96t000258  5     10    2 960102 sub-s 51.38    NA
s96t000249  5     10    1 960102 sub-s    NA 0.106
s96t000249  5     10    2 960102 sub-s    NA 0.112
s96t000248  5     10    1 960102 sub-s    NA 0.119
s96t000248  5     10    2 960102 sub-s    NA 0.144
s96t000258  5     10    2 960102 sub-s    NA 0.164
s96t000258  5     10    1 960102 sub-s    NA 0.186
                        by106r5s10  33.1 0.202  0.302  1.519 -0.694 -4.177

s95t004168  5     2     2 960102 sub-s 30.50    NA
s95t004168  5     2     1 960102 sub-s 30.84    NA
s95t004168  5     2     1 960102 sub-s    NA 0.424
s95t004168  5     2     2 960102 sub-s    NA 0.477
                         by106r5s2  30.7  0.45   0.65  1.487 -0.346 -3.394

s95t004169  5     3     2 960102 sub-s 17.91    NA
s95t004170  5     3     2 960102 sub-s 19.02    NA
s95t004169  5     3     1 960102 sub-s 21.57    NA
s95t004170  5     3     1 960102 sub-s 27.47    NA
s95t004169  5     3     1 960102 sub-s    NA 0.245
s95t004169  5     3     2 960102 sub-s    NA 0.309
```

s95t004169	5	3	3	960102	sub-s	NA	0.318					
s95t004170	5	3	2	960102	sub-s	NA	0.339					
s95t004170	5	3	1	960102	sub-s	NA	0.389					
					by106r5s3	21.5	0.32	0.408	1.332	-0.495	-3.873	
s95t004171	5	4	2	960102	sub-s	12.05	NA					
s95t004171	5	4	1	960102	sub-s	12.70	NA					
s95t004172	5	4	2	960102	sub-s	12.74	NA					
s95t004172	5	4	1	960102	sub-s	15.58	NA					
s95t004171	5	4	1	960102	sub-s	NA	0.202					
s95t004171	5	4	2	960102	sub-s	NA	0.202					
s95t004172	5	4	1	960102	sub-s	NA	0.277					
s95t004172	5	4	2	960102	sub-s	NA	0.417					
s95t004172	5	4	3	960102	sub-s	NA	0.442					
					by106r5s4	13.3	0.308	0.355	1.123	-0.511	-4.013	
s95t004173	5	5	1	960102	sub-s	19.45	NA					
s95t004173	5	5	2	960102	sub-s	20.58	NA					
s95t004173	5	5	1	960102	sub-s	NA	0.495					
s95t004173	5	5	2	960102	sub-s	NA	0.500					
					by106r5s5	20	0.497	0.622	1.301	-0.303	-3.439	
s95t004174	5	6	2	960102	sub-s	14.60	NA					
s95t004174	5	6	1	960102	sub-s	14.91	NA					
s95t004174	5	6	1	960102	sub-s	NA	0.338					
s95t004174	5	6	2	960102	sub-s	NA	0.366					
					by106r5s6	14.8	0.352	0.413	1.169	-0.453	-3.859	
s95t004175	5	7	2	960102	sub-s	16.08	NA					
s95t004175	5	7	1	960102	sub-s	17.37	NA					
s95t004175	5	7	2	960102	sub-s	NA	0.417					
s95t004175	5	7	1	960102	sub-s	NA	0.419					
					by106r5s7	16.7	0.418	0.502	1.223	-0.379	-3.66	
s95t004176	5	8	1	960102	sub-s	26.58	NA					
s95t004176	5	8	2	960102	sub-s	30.19	NA					
s95t004177	5	8	2	960102	sub-s	33.85	NA					
s95t004177	5	8	1	960102	sub-s	36.63	NA					
s95t004177	5	8	2	960102	sub-s	37.00	NA					
s95t004177	5	8	1	960102	sub-s	38.64	NA					
s95t004176	5	8	1	960102	sub-s	NA	0.540					
s95t004176	5	8	2	960102	sub-s	NA	0.542					
s95t004176	5	8	3	960102	sub-s	NA	0.567					
s95t004177	5	8	1	960102	sub-s	NA	0.584					
s95t004177	5	8	2	960102	sub-s	NA	0.589					
s95t004177	5	8	3	960102	sub-s	NA	0.591					

					by106r5s8	33.8	0.569	0.859	1.529	-0.245 -3.103
s95t004178	5	9	2	960102	sub-s	21.02	NA			
s95t004178	5	9	2	960102	sub-s	24.54	NA			
s95t004178	5	9	1	960102	sub-s	29.53	NA			
s95t004178	5	9	1	960102	sub-s	30.42	NA			
s95t004178	5	9	1	960102	sub-s	NA	0.592			
s95t004178	5	9	2	960102	sub-s	NA	0.593			
					by106r5s9	26.4	0.593	0.805	1.421	-0.227 -3.172

Summary for Tank by107

Tank Statistics

wet.waste.vol	=	1007	dry.mu.top	=	-3.912
wet.vol.top	=	82.09	dry.mu.bot	=	-3.339
wet.vol.bot	=	924.7	dry.sterr.top	=	0.3905
dry.waste.vol	=	623.7	dry.sterr.bot	=	0.2687
dry.vol.top	=	55.25	dry.corr	=	0.2314
dry.vol.bot	=	568.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	8
h2o.mu.top	=	-0.7219	toc.mu.top	=	-4.344
h2o.mu.bot	=	-0.4674	toc.mu.bot	=	-3.852
h2o.sterr.top	=	0.2702	toc.sterr.top	=	0.3765
h2o.sterr.bot	=	0.1914	toc.sterr.bot	=	0.2524
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	8	toc.nobs	=	8
h2o.mu	=	-0.5175	toc.mu	=	-3.925
rw.h2o.mu	=	0.3285	rw.toc.mu	=	4.556
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.18e-08	6.22e-08	1.49e-07	3.19e-07	1.01e-06	2.28e-06	1.03e-05	0.000183
Dry	0.00166	0.00224	0.00307	0.00434	0.00696	0.0101	0.0183	0.245

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t003847	8	1	1.0	960612	surfa	48.75	NA				
s96t003847	8	1	2.0	960612	surfa	49.08	NA				
s96t003847	8	1	1.0	960612	surfa	NA	0.145				
s96t003847	8	1	2.0	960612	surfa	NA	0.172				
s96t003871	8	1	1.1	960612	surfa	48.82	NA				
s96t003871	8	1	2.1	960612	surfa	50.49	NA				
s96t003871	8	1	1.1	960612	surfa	NA	0.158				
s96t003871	8	1	2.2	960612	surfa	NA	0.165				
s96t003507	8	1	2.0	960612	surfa	7.81	NA				
s96t003507	8	1	1.0	960612	surfa	12.28	NA				
s96t003507	8	1	3.0	960612	surfa	NA	0.015				
s96t003507	8	1	2.0	960612	surfa	NA	0.020				
s96t003507	8	1	1.0	960612	surfa	NA	0.037				

s96t003510	8	1	1.1	960612	surfa	28.90	NA				
s96t003510	8	1	2.1	960612	surfa	29.55	NA				
s96t003510	8	1	1.1	960612	surfa	NA	0.087				
s96t003510	8	1	2.2	960612	surfa	NA	0.103				
					by107r8s1	19.6	*****	0.065	1.293	-1.28	-5.722
s96t003872	8	2	1.0	960612	sub-s	48.26	NA				
s96t003872	8	2	2.0	960612	sub-s	48.47	NA				
s96t003872	8	2	2.0	960612	sub-s	NA	0.161				
s96t003872	8	2	1.0	960612	sub-s	NA	0.162				
s96t003535	8	2	2.0	960612	sub-s	36.03	NA				
s96t003535	8	2	1.0	960612	sub-s	36.18	NA				
s96t003535	8	2	2.0	960612	sub-s	36.50	NA				
s96t003526	8	2	1.0	960612	sub-s	41.75	NA				
s96t003535	8	2	1.0	960612	sub-s	46.85	NA				
s96t003526	8	2	2.0	960612	sub-s	46.92	NA				
s96t003535	8	2	2.0	960612	sub-s	NA	0.317				
s96t003535	8	2	3.0	960612	sub-s	NA	0.416				
s96t003535	8	2	1.0	960612	sub-s	NA	0.502				
s96t003526	8	2	1.0	960612	sub-s	NA	0.594				
s96t003526	8	2	2.0	960612	sub-s	NA	0.725				
					by107r8s2	40.7	0.511	0.861	1.61	-0.292	-3.101
s96t003527	8	3	2.0	960612	sub-s	46.25	NA				
s96t003537	8	3	2.0	960612	sub-s	47.10	NA				
s96t003527	8	3	1.0	960612	sub-s	48.36	NA				
s96t003537	8	3	1.0	960612	sub-s	48.93	NA				
s96t003527	8	3	3.0	960612	sub-s	NA	0.026				
s96t003527	8	3	2.0	960612	sub-s	NA	0.050				
s96t003527	8	3	1.0	960612	sub-s	NA	0.482				
s96t003537	8	3	2.0	960612	sub-s	NA	0.528				
s96t003537	8	3	1.0	960612	sub-s	NA	0.573				
					by107r8s3	47.7	0.332	0.634	1.678	-0.479	-3.419
s96t003538	8	4	2.0	960612	sub-s	29.86	NA				
s96t003538	8	4	1.0	960612	sub-s	31.24	NA				
s96t003528	8	4	1.0	960612	sub-s	36.44	NA				
s96t003528	8	4	2.0	960612	sub-s	36.79	NA				
s96t003528	8	4	1.0	960612	sub-s	NA	0.541				
s96t003528	8	4	2.0	960612	sub-s	NA	0.557				
s96t003538	8	4	1.0	960612	sub-s	NA	0.686				
s96t003538	8	4	2.0	960612	sub-s	NA	0.749				
					by107r8s4	33.6	0.633	0.953	1.526	-0.198	-2.995
s96t004230	9b	1	1.0	960725	surfa	49.47	NA				
s96t004230	9b	1	2.0	960725	surfa	49.60	NA				

s96t004230	9b	1	2.0	960725	surfa	NA	0.130				
s96t004230	9b	1	1.0	960725	surfa	NA	0.155				
s96t004218	9b	1	2.0	960725	surfa	42.40	NA				
s96t004218	9b	1	1.0	960725	surfa	42.80	NA				
s96t004218	9b	1	1.0	960725	surfa	NA	0.717				
s96t004218	9b	1	2.0	960725	surfa	NA	0.769				
					by107r9bs1	42.6	0.743	1.294	1.629	-0.129	-2.671
s96t004231	9b	2	2.0	960725	sub-s	49.81	NA				
s96t004231	9b	2	1.0	960725	sub-s	50.08	NA				
s96t004231	9b	2	3.0	960725	sub-s	NA	0.141				
s96t004231	9b	2	2.0	960725	sub-s	NA	0.153				
s96t004231	9b	2	1.0	960725	sub-s	NA	0.218				
s96t004221	9b	2	2.0	960725	sub-s	19.40	NA				
s96t004221	9b	2	1.0	960725	sub-s	24.55	NA				
s96t004219	9b	2	2.0	960725	sub-s	35.70	NA				
s96t004219	9b	2	1.0	960725	sub-s	36.70	NA				
s96t004220	9b	2	1.0	960725	sub-s	36.94	NA				
s96t004220	9b	2	2.0	960725	sub-s	39.45	NA				
s96t004221	9b	2	2.0	960725	sub-s	NA	0.018				
s96t004232	9b	2	2.1	960725	sub-s	48.91	NA				
s96t004232	9b	2	1.1	960725	sub-s	49.14	NA				
s96t004232	9b	2	1.1	960725	sub-s	NA	0.148				
s96t004232	9b	2	2.2	960725	sub-s	NA	0.225				
s96t004221	9b	2	1.0	960725	sub-s	NA	0.032				
s96t004221	9b	2	3.0	960725	sub-s	NA	0.036				
s96t004220	9b	2	2.0	960725	sub-s	NA	0.079				
s96t004220	9b	2	3.0	960725	sub-s	NA	0.079				
s96t004220	9b	2	1.0	960725	sub-s	NA	0.161				
s96t004219	9b	2	1.0	960725	sub-s	NA	0.620				
s96t004219	9b	2	2.0	960725	sub-s	NA	0.651				
s96t004222	9b	2	2.1	960725	sub-s	25.75	NA				
s96t004223	9b	2	1.1	960725	sub-s	31.25	NA				
s96t004222	9b	2	1.1	960725	sub-s	33.65	NA				
s96t004223	9b	2	2.1	960725	sub-s	40.98	NA				
s96t004223	9b	2	1.1	960725	sub-s	NA	0.052				
s96t004223	9b	2	3.1	960725	sub-s	NA	0.107				
s96t004223	9b	2	2.2	960725	sub-s	NA	0.121				
s96t004222	9b	2	2.2	960725	sub-s	NA	0.795				
s96t004222	9b	2	3.1	960725	sub-s	NA	0.844				
s96t004222	9b	2	1.1	960725	sub-s	NA	0.971				
					by107r9bs2	32.4	0.326	0.483	1.511	-0.487	-3.699
s96t004411	9b	3	1.0	960725	sub-s	46.36	NA				
s96t004411	9b	3	2.0	960725	sub-s	47.43	NA				
s96t004935	9b	3	2.0	960725	sub-s	NA	0.161				

s96t004935	9b	3	1.0	960725	sub-s	NA	0.180				
s96t004346	9b	3	2.1	960725	sub-s	48.06	NA				
s96t004346	9b	3	1.1	960725	sub-s	48.31	NA				
s96t004346	9b	3	1.1	960725	sub-s	NA	0.145				
s96t004346	9b	3	2.1	960725	sub-s	NA	0.157				
s96t004395	9b	3	2.0	960725	sub-s	44.08	NA				
s96t004395	9b	3	1.0	960725	sub-s	48.05	NA				
s96t004395	9b	3	2.0	960725	sub-s	NA	0.217				
s96t004395	9b	3	1.0	960725	sub-s	NA	0.228				
s96t004349	9b	3	1.1	960725	sub-s	40.89	NA				
s96t004349	9b	3	2.1	960725	sub-s	46.34	NA				
s96t004349	9b	3	2.1	960725	sub-s	NA	0.625				
s96t004349	9b	3	1.1	960725	sub-s	NA	0.656				
					by107r9bs3	44.8	0.431	0.782	1.652	-0.365	-3.201
s96t004412	9b	4	1.0	960725	sub-s	45.14	NA				
s96t004412	9b	4	2.0	960725	sub-s	48.43	NA				
s96t004412	9b	4	1.0	960725	sub-s	NA	0.168				
s96t004412	9b	4	2.0	960725	sub-s	NA	0.182				
s96t004397	9b	4	1.0	960725	sub-s	38.59	NA				
s96t004397	9b	4	2.0	960725	sub-s	38.69	NA				
s96t004396	9b	4	1.0	960725	sub-s	43.68	NA				
s96t004396	9b	4	2.0	960725	sub-s	45.41	NA				
s96t004396	9b	4	2.0	960725	sub-s	NA	0.545				
s96t004396	9b	4	1.0	960725	sub-s	NA	0.553				
s96t004397	9b	4	1.0	960725	sub-s	NA	1.060				
s96t004397	9b	4	2.0	960725	sub-s	NA	1.150				
					by107r9bs4	41.6	0.827	1.416	1.619	-0.082	-2.575

Summary for Tank by108

Tank Statistics

wet.waste.vol	=	863	dry.mu.top	=	-3.97
wet.vol.top	=	82.09	dry.mu.bot	=	-3.42
wet.vol.bot	=	780.9	dry.sterr.top	=	0.3892
dry.waste.vol	=	623.1	dry.sterr.bot	=	0.2517
dry.vol.top	=	59.12	dry.corr	=	0.2175
dry.vol.bot	=	564	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	9
h2o.mu.top	=	-0.9455	toc.mu.top	=	-4.307
h2o.mu.bot	=	-0.9556	toc.mu.bot	=	-3.761
h2o.sterr.top	=	0.2702	toc.sterr.top	=	0.3756
h2o.sterr.bot	=	0.1797	toc.sterr.bot	=	0.2361
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	9	toc.nobs	=	9
h2o.mu	=	-0.9824	toc.mu	=	-3.833
rw.h2o.mu	=	0.111	rw.toc.mu	=	4.519
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.03e-06	3.6e-06	6.62e-06	1.44e-05	4.45e-05	0.0001	0.000405	0.00226
Dry	0.00114	0.00153	0.00208	0.00293	0.00464	0.00674	0.0121	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001373	12a	1	1	950727	surfa	31.90	NA				
s95t001373	12a	1	2	950727	surfa	34.04	NA				
s95t001390	12a	1	2	950727	surfa	19.76	NA				
s95t001390	12a	1	1	950727	surfa	21.85	NA				
s95t001389	12a	1	2	950727	surfa	36.28	NA				
s95t001389	12a	1	1	950727	surfa	37.72	NA				
s95t001390	12a	1	2	950727	surfa	NA	0.223				
s95t001390	12a	1	1	950727	surfa	NA	0.233				
s95t001373	12a	1	1	950727	surfa	NA	0.203				
s95t001373	12a	1	2	950727	surfa	NA	0.211				
					by108r12as1	28.9	0.228	0.321	1.461	-0.642	-4.117
s95t001427	12a	2	2	950727	sub-s	25.03	NA				

s95t001427	12a	2	1	950727	sub-s	27.11	NA				
s95t001396	12a	2	1	950727	sub-s	8.56	NA				
s95t001396	12a	2	2	950727	sub-s	9.36	NA				
s95t001404	12a	2	1	950727	sub-s	14.64	NA				
s95t001404	12a	2	2	950727	sub-s	14.87	NA				
s95t001393	12a	2	2	950727	sub-s	36.38	NA				
s95t001393	12a	2	1	950727	sub-s	38.92	NA				
s95t001399	12a	2	2	950727	sub-s	39.74	NA				
s95t001396	12a	2	1	950727	sub-s	40.98	NA				
s95t001399	12a	2	1	950727	sub-s	43.90	NA				
s95t001396	12a	2	2	950727	sub-s	44.12	NA				
s95t001404	12a	2	1	950727	sub-s	NA	0.360				
s95t001404	12a	2	2	950727	sub-s	NA	0.362				
s95t001399	12a	2	1	950727	sub-s	NA	0.550				
s95t001399	12a	2	2	950727	sub-s	NA	0.603				
s95t001396	12a	2	1	950727	sub-s	NA	0.906				
s95t001396	12a	2	2	950727	sub-s	NA	0.976				
s95t001427	12a	2	1	950727	sub-s	NA	0.208				
s95t001427	12a	2	2	950727	sub-s	NA	0.209				
				by108r12as2		29.1	0.626	0.884	1.465	-0.203	-3.074
s95t001430	12a	3	1	950727	sub-s	38.58	NA				
s95t001430	12a	3	2	950727	sub-s	39.47	NA				
s95t001430	12a	3	1	950727	sub-s	NA	0.255				
s95t001381	12a	3	1	950727	sub-s	15.18	NA				
s95t001380	12a	3	1	950727	sub-s	15.74	NA				
s95t001380	12a	3	2	950727	sub-s	15.92	NA				
s95t001381	12a	3	2	950727	sub-s	16.82	NA				
s95t001433	12a	3	1	950727	sub-s	34.52	NA				
s95t001431	12a	3	2	950727	sub-s	38.53	NA				
s95t001433	12a	3	2	950727	sub-s	38.56	NA				
s95t001382	12a	3	1	950727	sub-s	39.16	NA				
s95t001382	12a	3	2	950727	sub-s	39.44	NA				
s95t001431	12a	3	1	950727	sub-s	41.31	NA				
s95t001432	12a	3	1	950727	sub-s	43.77	NA				
s95t001432	12a	3	2	950727	sub-s	44.47	NA				
s95t001433	12a	3	1	950727	sub-s	NA	0.304				
s95t001433	12a	3	2	950727	sub-s	NA	0.324				
s95t001432	12a	3	2	950727	sub-s	NA	0.372				
s95t001432	12a	3	1	950727	sub-s	NA	0.387				
s95t001431	12a	3	1	950727	sub-s	NA	0.398				
s95t001431	12a	3	2	950727	sub-s	NA	0.410				
s95t001430	12a	3	2	950727	sub-s	NA	0.193				
				by108r12as3		32	0.366	0.538	1.504	-0.437	-3.589
s95t001407	12a	4	1	950727	sub-s	16.31	NA				

s95t001407	12a	4	2	950727	sub-s	17.58	NA					
s95t001410	12a	4	1	950727	sub-s	19.95	NA					
s95t001410	12a	4	2	950727	sub-s	20.93	NA					
s95t001419	12a	4	1	950727	sub-s	28.88	NA					
s95t001410	12a	4	1	950727	sub-s	35.32	NA					
s95t001420	12a	4	1	950727	sub-s	35.41	NA					
s95t001420	12a	4	2	950727	sub-s	35.81	NA					
s95t001408	12a	4	2	950727	sub-s	36.03	NA					
s95t001419	12a	4	2	950727	sub-s	36.23	NA					
s95t001422	12a	4	2	950727	sub-s	36.40	NA					
s95t001422	12a	4	1	950727	sub-s	36.49	NA					
s95t001419	12a	4	1	950727	sub-s	36.64	NA					
s95t001419	12a	4	2	950727	sub-s	36.69	NA					
s95t001408	12a	4	1	950727	sub-s	37.28	NA					
s95t001409	12a	4	1	950727	sub-s	37.47	NA					
s95t001409	12a	4	2	950727	sub-s	37.91	NA					
s95t001421	12a	4	1	950727	sub-s	38.31	NA					
s95t001410	12a	4	2	950727	sub-s	39.45	NA					
s95t001421	12a	4	2	950727	sub-s	39.82	NA					
s95t001422	12a	4	2	950727	sub-s	NA	0.337					
s95t001422	12a	4	1	950727	sub-s	NA	0.350					
s95t001421	12a	4	1	950727	sub-s	NA	0.567					
s95t001421	12a	4	2	950727	sub-s	NA	0.587					
s95t001419	12a	4	1	950727	sub-s	NA	1.040					
s95t001419	12a	4	2	950727	sub-s	NA	1.260					
s95t001420	12a	4	2	950727	sub-s	NA	2.070					
s95t001420	12a	4	1	950727	sub-s	NA	2.090					
				by108r12as4		32.9	1.04	1.547	1.518	0.016	-2.479	
s95t001586	7	1	2	950816	surfa	15.02	NA					
s95t001586	7	1	1	950816	surfa	15.74	NA					
s95t001925	7	1	2	950816	surfa	23.78	NA					
s95t001925	7	1	1	950816	surfa	24.90	NA					
s95t001925	7	1	2	950816	surfa	NA	0.250					
s95t001925	7	1	1	950816	surfa	NA	0.300					
95-07941	7	1	1	950801	surfa	NA	0.099					
95-07941	7	1	2	950801	surfa	NA	0.071					
95-07941	7	1	2	950801	surfa	39.30	NA					
95-07941	7	1	1	950801	surfa	42.40	NA					
				by108r7s1		26.9	0.18	0.246	1.429	-0.745	-4.385	
s95t001968	7	2	2	950816	sub-s	9.88	NA					
s95t001587	7	2	1	950816	sub-s	10.41	NA					
s95t001587	7	2	2	950816	sub-s	12.77	NA					
s95t001587	7	2	3	950816	sub-s	13.00	NA					
s95t001968	7	2	1	950816	sub-s	15.40	NA					

s95t001966	7	2	2	950816	sub-s	19.25	NA				
s95t001966	7	2	1	950816	sub-s	20.84	NA				
s95t001589	7	2	1	950816	sub-s	22.95	NA				
s95t001589	7	2	2	950816	sub-s	23.67	NA				
s95t001588	7	2	1	950816	sub-s	29.88	NA				
s95t001967	7	2	2	950816	sub-s	29.90	NA				
s95t001588	7	2	2	950816	sub-s	30.68	NA				
s95t001967	7	2	1	950816	sub-s	33.54	NA				
s95t001966	7	2	2	950816	sub-s	NA	0.238				
s95t001966	7	2	1	950816	sub-s	NA	0.245				
s95t001968	7	2	1	950816	sub-s	NA	0.281				
s95t001968	7	2	2	950816	sub-s	NA	0.287				
s95t001967	7	2	1	950816	sub-s	NA	0.424				
s95t001967	7	2	2	950816	sub-s	NA	0.484				
95-07932	7	2	2	950801	sub-s	NA	0.238				
95-07932	7	2	1	950801	sub-s	NA	0.108				
95-07932	7	2	2	950801	sub-s	47.30	NA				
95-07932	7	2	1	950801	sub-s	53.40	NA				
95-07942	7	2	2	950801	sub-s	11.80	NA				
95-07942	7	2	1	950801	sub-s	11.40	NA				
95-07943	7	2	2	950801	sub-s	18.80	NA				
95-07943	7	2	1	950801	sub-s	20.10	NA				
95-07942	7	2	1	950801	sub-s	NA	0.068				
95-07942	7	2	2	950801	sub-s	NA	0.067				
95-07943	7	2	1	950801	sub-s	NA	0.192				
95-07943	7	2	2	950801	sub-s	NA	0.161				
			by108r7s2			19.7	0.245	0.305	1.294	-0.611	-4.169
s95t001969	7	3	1	950816	sub-s	7.15	NA				
s95t001970	7	3	2	950816	sub-s	7.68	NA				
s95t001969	7	3	2	950816	sub-s	7.79	NA				
s95t001971	7	3	2	950816	sub-s	7.82	NA				
s95t001971	7	3	1	950816	sub-s	8.07	NA				
s95t001970	7	3	1	950816	sub-s	11.12	NA				
s95t001863	7	3	2	950816	sub-s	15.60	NA				
s95t001863	7	3	1	950816	sub-s	22.20	NA				
s95t001862	7	3	2	950816	sub-s	25.93	NA				
s95t001862	7	3	1	950816	sub-s	26.93	NA				
s95t001863	7	3	1	950816	sub-s	32.06	NA				
s95t001970	7	3	2	950816	sub-s	NA	0.148				
s95t001970	7	3	1	950816	sub-s	NA	0.159				
s95t001969	7	3	1	950816	sub-s	NA	0.199				
s95t001969	7	3	2	950816	sub-s	NA	0.213				
s95t001971	7	3	2	950816	sub-s	NA	0.624				
s95t001971	7	3	1	950816	sub-s	NA	0.655				
95-07935	7	3	2	950801	sub-s	NA	0.085				

95-07935	7	3	1	950801	sub-s	NA	0.185					
95-07935	7	3	1	950801	sub-s	52:90	NA					
95-07935	7	3	2	950801	sub-s	53.30	NA					
95-07936	7	3	2	950801	sub-s	36.90	NA					
95-07936	7	3	1	950801	sub-s	15.00	NA					
95-07944	7	3	1	950801	sub-s	NA	0.272					
95-07944	7	3	2	950801	sub-s	NA	0.205					
				by108r7s3		17.2	0.309	0.374	1.237	-0.509	-3.96	
s95t001904	7	4	1	950816	sub-s	7.08	NA					
s95t001904	7	4	2	950816	sub-s	7.49	NA					
s95t001974	7	4	2	950816	sub-s	8.80	NA					
s95t001974	7	4	1	950816	sub-s	9.77	NA					
s95t001972	7	4	1	950816	sub-s	31.01	NA					
s95t001972	7	4	2	950816	sub-s	33.09	NA					
s95t001906	7	4	2	950816	sub-s	33.78	NA					
s95t001906	7	4	1	950816	sub-s	36.22	NA					
s95t001973	7	4	1	950816	sub-s	41.10	NA					
s95t001973	7	4	2	950816	sub-s	41.13	NA					
s95t001905	7	4	1	950816	sub-s	43.26	NA					
s95t001905	7	4	2	950816	sub-s	45.28	NA					
s95t001974	7	4	2	950816	sub-s	NA	0.221					
s95t001973	7	4	1	950816	sub-s	NA	0.230					
s95t001974	7	4	1	950816	sub-s	NA	0.267					
s95t001973	7	4	2	950816	sub-s	NA	0.281					
s95t001972	7	4	1	950816	sub-s	NA	0.476					
s95t001972	7	4	2	950816	sub-s	NA	0.497					
95-07945	7	4	2	950801	sub-s	28.50	NA					
95-07945	7	4	1	950801	sub-s	28.90	NA					
95-07946	7	4	2	950801	sub-s	44.00	NA					
95-07946	7	4	1	950801	sub-s	43.20	NA					
95-07947	7	4	2	950801	sub-s	40.70	NA					
95-07947	7	4	1	950801	sub-s	40.90	NA					
95-07948	7	4	2	950801	sub-s	47.80	NA					
95-07948	7	4	1	950801	sub-s	45.70	NA					
95-07945	7	4	1	950801	sub-s	NA	1.269					
95-07945	7	4	2	950801	sub-s	NA	1.315					
95-07946	7	4	1	950801	sub-s	NA	1.069					
95-07946	7	4	2	950801	sub-s	NA	1.023					
95-07947	7	4	1	950801	sub-s	NA	0.431					
95-07947	7	4	2	950801	sub-s	NA	0.321					
95-07948	7	4	1	950801	sub-s	NA	0.242					
95-07948	7	4	2	950801	sub-s	NA	0.285					
				by108r7s4		32.9	0.566	0.844	1.517	-0.247	-3.123	
s95t001975	7	5	2	950816	sub-s	8.98	NA					

s95t001975	7	5	1	950816	sub-s	9.37	NA				
s95t001915	7	5	1	950816	sub-s	12.81	NA				
s95t001915	7	5	2	950816	sub-s	13.13	NA				
s95t001917	7	5	2	950816	sub-s	26.36	NA				
s95t001918	7	5	1	950816	sub-s	29.31	NA				
s95t001917	7	5	1	950816	sub-s	29.84	NA				
s95t001978	7	5	1	950816	sub-s	32.34	NA				
s95t001917	7	5	2	950816	sub-s	32.40	NA				
s95t001917	7	5	1	950816	sub-s	33.04	NA				
s95t001978	7	5	2	950816	sub-s	34.59	NA				
s95t001918	7	5	2	950816	sub-s	35.21	NA				
s95t001916	7	5	1	950816	sub-s	35.23	NA				
s95t001977	7	5	1	950816	sub-s	35.50	NA				
s95t001977	7	5	2	950816	sub-s	35.50	NA				
s95t001976	7	5	2	950816	sub-s	35.62	NA				
s95t001916	7	5	1	950816	sub-s	36.23	NA				
s95t001916	7	5	2	950816	sub-s	37.56	NA				
s95t001976	7	5	1	950816	sub-s	37.69	NA				
s95t003173	7	5	1	950816	sub-s	NA	0.406				
s95t003173	7	5	2	950816	sub-s	NA	0.421				
s95t001978	7	5	2	950816	sub-s	NA	0.758				
s95t001978	7	5	1	950816	sub-s	NA	0.772				
s95t001977	7	5	2	950816	sub-s	NA	1.320				
s95t001976	7	5	2	950816	sub-s	NA	1.340				
s95t001977	7	5	1	950816	sub-s	NA	1.360				
s95t001976	7	5	1	950816	sub-s	NA	1.720				
					by108r7s5	29	1.01	1.425	1.462	0.005	-2.567

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t001861	7	3	1	del.qa	950816	sub-s	41.30	NA
s95t001861	7	3	2	del.qa	950816	sub-s	41.77	NA

Summary for Tank by109

Tank Statistics

wet.waste.vol	=	1601	dry.mu.top	=	-2.585
wet.vol.top	=	82.09	dry.mu.bot	=	-3.12
wet.vol.bot	=	1519	dry.sterr.top	=	0.3867
dry.waste.vol	=	970.8	dry.sterr.bot	=	0.2154
dry.vol.top	=	51.54	dry.corr	=	0.1873
dry.vol.bot	=	919.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	12
h2o.mu.top	=	-0.5231	toc.mu.top	=	-3.002
h2o.mu.bot	=	-0.4271	toc.mu.bot	=	-3.655
h2o.sterr.top	=	0.2652	toc.sterr.top	=	0.3738
h2o.sterr.bot	=	0.1535	toc.sterr.bot	=	0.2013
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	12
h2o.mu	=	-0.4297	toc.mu	=	-3.473
rw.h2o.mu	=	0.3702	rw.toc.mu	=	4.563
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.11e-06	1.35e-05	3.03e-05	7.45e-05	0.000253	0.000927	0.00571	0.0362
Dry	0.00673	0.00818	0.01	0.0126	0.0169	0.0215	0.0313	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t001482	10b	1	1	970606	surfa	41.16	NA				
s97t001482	10b	1	2	970606	surfa	41.68	NA				
s98t000221	10b	1	1	NA	surfa	NA	1.370				
s98t000221	10b	1	2	NA	surfa	NA	0.805				
s98t000221	10b	1	1	NA	surfa	36.91	NA				
s98t000221	10b	1	2	NA	surfa	36.09	NA				
				by109r10bs1		39	1.09	1.782	1.591	0.036	-2.325
s97t001742	10b	2	1	970606	sub-s	33.05	NA				
s97t001742	10b	2	2	970606	sub-s	30.61	NA				
s98t000222	10b	2	1	NA	sub-s	NA	1.040				
s98t000222	10b	2	2	NA	sub-s	NA	1.100				
s98t000222	10b	2	2	NA	sub-s	27.66	NA				

s98t000222	10b	2	1	NA	sub-s	22.02	NA				
				by109r10bs2		28.3	1.07	1.493	1.452	0.029	-2.517
s97t001483	10b	3	1	970606	sub-s	33.92	0.457				
s97t001483	10b	3	1	970606	sub-s	32.37	0.457				
s97t001483	10b	3	2	970606	sub-s	34.67	0.480				
s97t001483	10b	3	2	970606	sub-s	33.60	0.480				
s97t001483	10b	3	3	970606	sub-s	NA	0.469				
s97t001486	10b	3	1	970606	sub-s	32.15	0.753				
s97t001486	10b	3	1	970606	sub-s	31.80	0.753				
s97t001486	10b	3	2	970606	sub-s	32.00	0.743				
s97t001486	10b	3	2	970606	sub-s	31.53	0.743				
				by109r10bs3		32.8	0.593	0.882	1.515	-0.227	-3.077
s97t001484	10b	4	1	970606	sub-s	36.30	1.020				
s97t001484	10b	4	1	970606	sub-s	36.06	1.020				
s97t001484	10b	4	2	970606	sub-s	36.32	1.030				
s97t001484	10b	4	2	970606	sub-s	35.30	1.030				
s97t001487	10b	4	1	970606	sub-s	37.06	0.526				
s97t001487	10b	4	1	970606	sub-s	35.80	0.526				
s97t001487	10b	4	2	970606	sub-s	36.80	0.550				
s97t001487	10b	4	2	970606	sub-s	36.70	0.550				
				by109r10bs4		36.3	0.782	1.227	1.56	-0.107	-2.728
s97t001786	10b	5	1	970606	sub-s	48.28	0.321				
s97t001786	10b	5	2	970606	sub-s	47.41	0.273				
				by109r10bs5		47.8	0.297	0.569	1.68	-0.527	-3.53
s97t001791	10b	6	1	970606	sub-s	41.30	NA				
s97t001791	10b	6	2	970606	sub-s	39.90	NA				
s98t000223	10b	6	1	NA	sub-s	NA	0.286				
s98t000223	10b	6	2	NA	sub-s	NA	0.305				
s98t000223	10b	6	2	NA	sub-s	47.14	NA				
s98t000223	10b	6	1	NA	sub-s	46.96	NA				
				by109r10bs6		43.8	0.296	0.526	1.642	-0.529	-3.611
s97t001485	10b	7	1	970606	sub-s	27.63	NA				
s97t001485	10b	7	1	970606	sub-s	26.20	NA				
s97t001485	10b	7	2	970606	sub-s	29.18	NA				
s97t001485	10b	7	2	970606	sub-s	25.40	NA				
s97t001488	10b	7	1	970606	sub-s	43.05	0.827				
s97t001488	10b	7	1	970606	sub-s	40.20	NA				
s97t001488	10b	7	2	970606	sub-s	42.70	0.991				
s97t001488	10b	7	2	970606	sub-s	39.80	0.991				
s97t001488	10b	7	3	970606	sub-s	NA	0.875				
s98t000224	10b	7	1	NA	sub-s	NA	0.071				

```
s98t000224  10b    7    2     NA sub-s    NA 0.066
s98t000224  10b    7    1     NA sub-s 25.69    NA
s98t000224  10b    7    2     NA sub-s 25.52    NA
                          by109r10bs7  32.5 0.637  0.944  1.512 -0.196 -3.005

s97t001536  12c    1    1 970606 surfa 40.40    NA
s97t001536  12c    1    2 970606 surfa 41.44    NA
s98t000216  12c    1    1     NA surfa    NA 2.290
s98t000216  12c    1    2     NA surfa    NA 2.070
s98t000216  12c    1    2     NA surfa 35.27    NA
s98t000216  12c    1    1     NA surfa 33.83    NA
                          by109r12cs1  37.7  2.18  3.501  1.577  0.338  -1.55

s97t001344  12c    2    1 970606 sub-s 45.61 0.604
s97t001344  12c    2    1 970606 sub-s 35.10 0.604
s97t001344  12c    2    2 970606 sub-s 43.52 0.620
s97t001344  12c    2    2 970606 sub-s 34.70 0.620
s97t001346  12c    2    1 970606 sub-s 45.91 0.923
s97t001346  12c    2    1 970606 sub-s 34.44 0.923
s97t001346  12c    2    2 970606 sub-s 39.96 1.080
s97t001346  12c    2    2 970606 sub-s 35.98 1.080
                          by109r12cs2  39.4 0.807  1.331  1.596 -0.093 -2.641

s97t001459  12c    3    1 970606 sub-s 50.41    NA
s97t001459  12c    3    1 970606 sub-s 39.67    NA
s97t001459  12c    3    2 970606 sub-s 53.65    NA
s97t001459  12c    3    2 970606 sub-s 40.47    NA
s97t001463  12c    3    1 970606 sub-s 49.91 0.533
s97t001463  12c    3    1 970606 sub-s 32.56 0.533
s97t001463  12c    3    2 970606 sub-s 43.25 0.296
s97t001463  12c    3    2 970606 sub-s 34.84 0.296
s97t001463  12c    3    3 970606 sub-s    NA 0.343
s97t001467  12c    3    1 970606 sub-s 54.38    NA
s97t001467  12c    3    2 970606 sub-s 54.44    NA
s98t000217  12c    3    1     NA sub-s    NA 0.063
s98t000217  12c    3    2     NA sub-s    NA 0.054
s98t000217  12c    3    2     NA sub-s 37.27    NA
s98t000217  12c    3    1     NA sub-s 36.49    NA
                          by109r12cs3  41.9 0.303   0.52  1.622 -0.519 -3.623

s97t001736  12c    4    1 970606 sub-s 49.01 0.220
s97t001736  12c    4    2 970606 sub-s 46.42 0.354
s97t001736  12c    4    3 970606 sub-s    NA 0.350
                          by109r12cs4  47.7 0.308  0.589  1.679 -0.511 -3.495

s97t001460  12c    5    1 970606 sub-s 51.39    NA
```

s97t001460	12c	5	2	970606	sub-s	51.08	NA				
s97t001464	12c	5	1	970606	sub-s	45.56	NA				
s97t001464	12c	5	2	970606	sub-s	54.88	NA				
s97t001468	12c	5	1	970606	sub-s	51.40	NA				
s97t001468	12c	5	2	970606	sub-s	52.22	NA				
s98t000220	12c	5	1	NA	sub-s	NA	0.098				
s98t000219	12c	5	1	NA	sub-s	NA	0.687				
s98t000220	12c	5	2	NA	sub-s	NA	0.090				
s98t000219	12c	5	2	NA	sub-s	NA	0.799				
s98t000220	12c	5	2	NA	sub-s	43.94	NA				
s98t000219	12c	5	2	NA	sub-s	44.92	NA				
s98t000218	12c	5	1	NA	sub-s	53.13	NA				
s98t000220	12c	5	1	NA	sub-s	46.01	NA				
s98t000219	12c	5	1	NA	sub-s	45.72	NA				
s98t000218	12c	5	2	NA	sub-s	52.43	NA				
				by109r12cs5		47.9	0.418	0.804	1.681	-0.378	-3.173

Summary for Tank by110

Tank Statistics

wet.waste.vol	=	1506	dry.mu.top	=	-3.804
wet.vol.top	=	82.09	dry.mu.bot	=	-3.588
wet.vol.bot	=	1424	dry.sterr.top	=	0.3384
dry.waste.vol	=	1179	dry.sterr.bot	=	0.1526
dry.vol.top	=	69.88	dry.corr	=	0.1187
dry.vol.bot	=	1109	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	24
h2o.mu.top	=	-1.745	toc.mu.top	=	-3.978
h2o.mu.bot	=	-1.258	toc.mu.bot	=	-3.875
h2o.sterr.top	=	0.2325	toc.sterr.top	=	0.3245
h2o.sterr.bot	=	0.1087	toc.sterr.bot	=	0.142
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	24	toc.nobs	=	24
h2o.mu	=	-1.331	toc.mu	=	-3.867
rw.h2o.mu	=	0.05317	rw.toc.mu	=	4.509
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.98e-05	2.88e-05	4.62e-05	7.89e-05	0.000179	0.000385	0.00186	0.00839
Dry	0.000552	0.000677	0.000839	0.00107	0.00148	0.00191	0.00298	0.363

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001740	12b	1	2	950802	surfa	1.76	NA				
s95t001740	12b	1	1	950802	surfa	7.42	NA				
s95t001740	12b	1	1	950802	surfa	NA	0.287				
s95t001740	12b	1	2	950802	surfa	NA	0.290				
					by110r12bs1	4.59	0.288	0.302	0.662	-0.54	-4.177
s95t002880	12b	2	2	950925	sub-s	6.99	NA				
s95t002880	12b	2	1	950925	sub-s	10.33	NA				
s95t002880	12b	2	1	950925	sub-s	NA	0.319				
s95t002880	12b	2	3	950925	sub-s	NA	0.420				
s95t002880	12b	2	2	950925	sub-s	NA	0.421				
					by110r12bs2	8.66	0.387	0.423	0.938	-0.413	-3.834

s95t002430	12b	3	2	950913	sub-s	32.23	NA					
s95t002430	12b	3	1	950913	sub-s	33.64	NA					
s95t002430	12b	3	1	950913	sub-s	NA	0:512					
s95t002430	12b	3	2	950913	sub-s	NA	0.524					
s95t001789	12b	3	1	950802	sub-s	36.88	NA					
s95t001789	12b	3	2	950802	sub-s	36.95	NA					
s95t002887	12b	3	1	950925	sub-s	12.28	NA					
s95t002887	12b	3	2	950925	sub-s	13.43	NA					
s95t002894	12b	3	2	950925	sub-s	44.38	NA					
s95t002894	12b	3	1	950925	sub-s	45.67	NA					
s95t002887	12b	3	3	950925	sub-s	NA	0.077					
s95t002887	12b	3	2	950925	sub-s	NA	0.182					
s95t002887	12b	3	1	950925	sub-s	NA	0.227					
s95t002894	12b	3	1	950925	sub-s	NA	1.150					
s95t002894	12b	3	2	950925	sub-s	NA	1.160					
				by110r12bs3		30.3	0.547	0.785	1.481	-0.262	-3.198	
s95t001741	12b	4	1	950802	sub-s	11.89	NA					
s95t001741	12b	4	2	950802	sub-s	12.13	NA					
s95t001741	12b	4	2	950802	sub-s	NA	0.291					
s95t001741	12b	4	1	950802	sub-s	NA	0.335					
				by110r12bs4		12	0.313	0.356	1.08	-0.504	-4.011	
s95t001752	12b	5	2	950713	sub-s	14.36	NA					
s95t001752	12b	5	1	950713	sub-s	14.49	NA					
s95t001816	12b	5	2	950713	sub-s	89.22	NA					
s95t001816	12b	5	1	950713	sub-s	89.32	NA					
s95t001752	12b	5	1	950713	sub-s	NA	0.316					
s95t001752	12b	5	2	950713	sub-s	NA	0.331					
s95t001742	12b	5	2	950802	sub-s	14.26	NA					
s95t001742	12b	5	1	950802	sub-s	15.65	NA					
s95t001743	12b	5	2	950802	sub-s	16.73	NA					
s95t001743	12b	5	1	950802	sub-s	18.60	NA					
s95t001742	12b	5	1	950802	sub-s	NA	0.100					
s95t001742	12b	5	2	950802	sub-s	NA	0.100					
s95t001743	12b	5	2	950802	sub-s	NA	0.234					
s95t001743	12b	5	1	950802	sub-s	NA	0.249					
				by110r12bs5		15.7	0.222	0.263	1.195	-0.654	-4.319	
s95t001794	12b	6	1	950713	sub-s	15.20	NA					
s95t001794	12b	6	2	950713	sub-s	15.69	NA					
s95t001795	12b	6	1	950713	sub-s	25.80	NA					
s95t001795	12b	6	2	950713	sub-s	33.47	NA					
s95t001817	12b	6	2	950713	sub-s	36.15	NA					
s95t001817	12b	6	1	950713	sub-s	38.41	NA					
s95t001794	12b	6	2	950713	sub-s	NA	0.090					

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s95t001794  12b    6    1 950713 sub-s    NA 0.092
s95t001795  12b    6    1 950713 sub-s    NA 0.136
s95t001795  12b    6    2 950713 sub-s    NA 0.145
s95t001744  12b    6    1 950802 sub-s  3.96    NA
s95t001744  12b    6    2 950802 sub-s  4.01    NA
s95t001744  12b    6    1 950802 sub-s  4.17    NA
s95t001744  12b    6    2 950802 sub-s 19.76    NA
s95t001744  12b    6    2 950802 sub-s    NA 0.032
s95t001744  12b    6    1 950802 sub-s    NA 0.047
                       by110r12bs6  15.3 *****  0.107  1.183 -1.044 -5.229

s95t001799  12b    7    2 950713 sub-s 37.35    NA
s95t001818  12b    7    2 950713 sub-s 37.90    NA
s95t001818  12b    7    1 950713 sub-s 38.07    NA
s95t001799  12b    7    1 950713 sub-s 40.44    NA
s95t001799  12b    7    1 950713 sub-s    NA 0.195
s95t001799  12b    7    3 950713 sub-s    NA 0.201
s95t001799  12b    7    2 950713 sub-s    NA 0.210
s95t001745  12b    7    1 950802 sub-s  0.76    NA
s95t001745  12b    7    2 950802 sub-s  8.90    NA
s95t001745  12b    7    2 950802 sub-s 10.72    NA
s95t001745  12b    7    1 950802 sub-s 11.14    NA
s95t001745  12b    7    2 950802 sub-s    NA 0.054
s95t001745  12b    7    1 950802 sub-s    NA 0.065
                       by110r12bs7  18.3 0.145  0.177  1.261 -0.839 -4.717

s95t003166  4      1    2 951028 surfa 17.69    NA
s95t003166  4      1    1 951028 surfa 18.31    NA
s95t003166  4      1    2 951028 surfa    NA 0.764
s95t003166  4      1    1 951028 surfa    NA 0.765
                         by110r4s1    18 0.764  0.932  1.255 -0.117 -3.018

s95t003351  4      2    1 951028 sub-s 24.89    NA
s95t003351  4      2    2 951028 sub-s 26.18    NA
s95t003351  4      2    1 951028 sub-s    NA 0.037
s95t003351  4      2    2 951028 sub-s    NA 0.109
s95t003351  4      2    3 951028 sub-s    NA 0.225
                         by110r4s2  25.5 0.124  0.166  1.407 -0.908 -4.783

s95t003359  4      3    2 951028 sub-s 16.11    NA
s95t003359  4      3    1 951028 sub-s 16.21    NA
s95t003359  4      3    1 951028 sub-s    NA 0.139
s95t003359  4      3    2 951028 sub-s    NA 0.404
s95t003359  4      3    3 951028 sub-s    NA 0.668
                         by110r4s3  16.2 0.404  0.481  1.208 -0.394 -3.702
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s95t003367	4	4	1	951028	sub-s	0.63	NA					
s95t003367	4	4	3	951028	sub-s	0.72	NA					
s95t003367	4	4	2	951028	sub-s	1.72	NA					
s95t003367	4	4	2	951028	sub-s	NA	0.563					
s95t003367	4	4	1	951028	sub-s	NA	0.577					
s95t003542	4	4	1	951028	sub-s	29.37	NA					
s95t003542	4	4	2	951028	sub-s	34.31	NA					
s95t003550	4	4	2	951028	sub-s	41.14	NA					
s95t003550	4	4	1	951028	sub-s	46.76	NA					
s95t003542	4	4	1	951028	sub-s	NA	0.385					
s95t003550	4	4	2	951028	sub-s	NA	0.416					
s95t003542	4	4	2	951028	sub-s	NA	0.419					
s95t003550	4	4	1	951028	sub-s	NA	0.444					
				by110r4s4		22.2	0.467	0.601	1.346	-0.33	-3.475	
s95t003558	4	5	1	951028	sub-s	30.57	NA					
s95t003558	4	5	2	951028	sub-s	35.53	NA					
s95t003566	4	5	1	951028	sub-s	36.53	NA					
s95t003566	4	5	2	951028	sub-s	37.96	NA					
s95t003558	4	5	1	951028	sub-s	NA	0.545					
s95t003566	4	5	1	951028	sub-s	NA	0.554					
s95t003558	4	5	2	951028	sub-s	NA	0.579					
s95t003566	4	5	2	951028	sub-s	NA	0.604					
s95t003430	4	5	1	951028	sub-s	40.86	NA					
s95t003430	4	5	2	951028	sub-s	41.10	NA					
s95t003430	4	5	2	951028	sub-s	NA	0.518					
s95t003430	4	5	1	951028	sub-s	NA	0.554					
				by110r4s5		37.1	0.559	0.889	1.569	-0.253	-3.068	
s95t003454	4	6	3	951028	sub-s	19.29	NA					
s95t003462	4	6	1	951028	sub-s	27.28	NA					
s95t003462	4	6	2	951028	sub-s	28.97	NA					
s95t003454	4	6	2	951028	sub-s	33.26	NA					
s95t003438	4	6	2	951028	sub-s	36.02	NA					
s95t003446	4	6	2	951028	sub-s	41.32	NA					
s95t003438	4	6	1	951028	sub-s	43.24	NA					
s95t003454	4	6	1	951028	sub-s	43.49	NA					
s95t003446	4	6	1	951028	sub-s	44.93	NA					
s95t003462	4	6	2	951028	sub-s	NA	0.347					
s95t003454	4	6	1	951028	sub-s	NA	0.352					
s95t003454	4	6	2	951028	sub-s	NA	0.386					
s95t003446	4	6	2	951028	sub-s	NA	0.397					
s95t003462	4	6	1	951028	sub-s	NA	0.403					
s95t003438	4	6	2	951028	sub-s	NA	0.443					
s95t003438	4	6	1	951028	sub-s	NA	0.454					
s95t003446	4	6	1	951028	sub-s	NA	0.456					

					by110r4s6	35.3	0.405	0.626	1.548	-0.393	-3.433
s95t003470	4	7	2	951028	sub-s	31.62	NA				
s95t003494	4	7	2	951028	sub-s	31.69	NA				
s95t003486	4	7	2	951028	sub-s	32.73	NA				
s95t003486	4	7	1	951028	sub-s	33.42	NA				
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Unused Data Records

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s95t001791	7	4	1	del.qa	950829	sub-s	70.92	NA
s95t002150	7	6	2	del.qa	950829	sub-s	23.34	NA
s95t002150	7	6	1	del.qa	950829	sub-s	24.38	NA
s95t002150	7	6	2	del.qa	950829	sub-s	NA	0.990
s95t002150	7	6	1	del.qa	950829	sub-s	NA	1.100
s95t002205	7	7	2	del.qa	950829	sub-s	26.90	NA
s95t002205	7	7	1	del.qa	950829	sub-s	30.84	NA
s95t002205	7	7	2	del.qa	950829	sub-s	NA	0.529
s95t002205	7	7	1	del.qa	950829	sub-s	NA	0.531
s95t002214	7	9	2	del.qa	950829	sub-s	0.00	NA
s95t001948	7	1	1	del.qa	950824	surfa	0.88	NA
s95t001948	7	1	2	del.qa	950824	surfa	1.76	NA
s95t001950	7	1	1	del.qa	950824	surfa	24.10	NA
s95t001950	7	1	2	del.qa	950824	surfa	26.43	NA
s95t001950	7	1	1	del.qa	950824	surfa	NA	0.386

s95t001950	7	1	2	del.qa	950824	surfa	NA	0.388
s95t001956	7	2	1	del.qa	950824	sub-s	23.19	NA
s95t001956	7	2	2	del.qa	950824	sub-s	23.24	NA
s95t001956	7	2	1	del.qa	950824	sub-s	NA	0.193
s95t001956	7	2	2	del.qa	950824	sub-s	NA	0.236

Summary for Tank by111

Tank Statistics

wet.waste.vol	=	1737	dry.mu.top	=	-3.666
wet.vol.top	=	82.09	dry.mu.bot	=	-3.239
wet.vol.bot	=	1655	dry.sterr.top	=	0.3867
dry.waste.vol	=	1239	dry.sterr.bot	=	0.2154
dry.vol.top	=	70.12	dry.corr	=	0.1873
dry.vol.bot	=	1169	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	12
h2o.mu.top	=	-1.768	toc.mu.top	=	-3.948
h2o.mu.bot	=	-0.8768	toc.mu.bot	=	-3.678
h2o.sterr.top	=	0.2652	toc.sterr.top	=	0.3738
h2o.sterr.bot	=	0.1535	toc.sterr.bot	=	0.2013
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	12
h2o.mu	=	-1.043	toc.mu	=	-3.675
rw.h2o.mu	=	0.1273	rw.toc.mu	=	4.522
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.75e-05	2.98e-05	5.45e-05	0.000112	0.000354	0.000753	0.00556	0.0282
Dry	0.00265	0.00334	0.00429	0.00567	0.0082	0.011	0.0177	0.41

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t005321	12a	1	2	961003	surfa	0.58	NA				
s96t005321	12a	1	2	961003	surfa	0.56	NA				
s96t005321	12a	1	2	961003	surfa	NA	0.112				
s96t005321	12a	1	2	961003	surfa	NA	0.132				
				by111r12as1		1	0.122	0.123	0	-0.914	-5.083
s96t005335	12a	3	2	961003	sub-s	23.84	NA				
s96t005335	12a	3	2	961003	sub-s	23.68	NA				
s96t005335	12a	3	2	961003	sub-s	NA	1.000				
s96t005335	12a	3	2	961003	sub-s	NA	0.982				
				by111r12as3		23.8	0.991	1.3	1.376	-0.004	-2.666
s96t005336	12a	4	2	961003	sub-s	48.08	NA				

s96t005336	12a	4	2	961003	sub-s	50.73	NA					
s96t005336	12a	4	2	961003	sub-s	NA	0.379					
s96t005336	12a	4	2	961003	sub-s	NA	0.487					
				by111r12as4		49.4	0.433	0.856	1.694	-0.364	-3.108	
s96t005342	12a	5	2	961003	sub-s	51.59	NA					
s96t005342	12a	5	2	961003	sub-s	52.58	NA					
s96t005346	12a	5	2	961003	sub-s	53.79	NA					
s96t005346	12a	5	2	961003	sub-s	53.96	NA					
s96t005342	12a	5	2	961003	sub-s	NA	0.515					
s96t005342	12a	5	2	961003	sub-s	NA	0.513					
s96t005346	12a	5	2	961003	sub-s	NA	0.088					
s96t005346	12a	5	2	961003	sub-s	NA	0.085					
				by111r12as5		52.1	0.514	1.073	1.717	-0.289	-2.87	
s96t005349	12a	6	2	961003	sub-s	46.43	NA					
s96t005349	12a	6	2	961003	sub-s	51.45	NA					
s96t005350	12a	6	2	961003	sub-s	40.40	NA					
s96t005350	12a	6	2	961003	sub-s	44.18	NA					
s96t005357	12a	6	2	961003	sub-s	53.38	NA					
s96t005357	12a	6	2	961003	sub-s	53.56	NA					
s96t005349	12a	6	3	961003	sub-s	NA	0.236					
s96t005349	12a	6	3	961003	sub-s	NA	0.212					
s96t005349	12a	6	3	961003	sub-s	NA	0.004					
s96t005350	12a	6	3	961003	sub-s	NA	0.254					
s96t005350	12a	6	3	961003	sub-s	NA	0.264					
s96t005350	12a	6	3	961003	sub-s	NA	0.004					
s96t005357	12a	6	2	961003	sub-s	NA	0.087					
s96t005357	12a	6	2	961003	sub-s	NA	0.080					
				by111r12as6		45.6	0.162	0.298	1.659	-0.79	-4.19	
s96t005383	12a	7	2	961003	sub-s	46.51	NA					
s96t005383	12a	7	2	961003	sub-s	46.03	NA					
s96t005384	12a	7	2	961003	sub-s	48.30	NA					
s96t005384	12a	7	2	961003	sub-s	50.14	NA					
s96t005383	12a	7	2	961003	sub-s	NA	0.435					
s96t005383	12a	7	2	961003	sub-s	NA	0.425					
s96t005384	12a	7	2	961003	sub-s	NA	0.418					
s96t005384	12a	7	2	961003	sub-s	NA	0.492					
				by111r12as7		47.7	0.442	0.847	1.679	-0.354	-3.119	
s96t005166	15	1	2	961003	surfa	31.73	NA					
s96t005166	15	1	2	961003	surfa	28.33	NA					
s96t005167	15	1	2	961003	surfa	38.56	NA					
s96t005167	15	1	2	961003	surfa	33.76	NA					
s96t005166	15	1	2	961003	surfa	NA	0.820					

s96t005166	15	1	2	961003	surfa	NA	0.799					
s96t005167	15	1	2	961003	surfa	NA	1.160					
s96t005167	15	1	2	961003	surfa	NA	1.130					
					by111r15s1	33.1	0.977	1.461	1.52	-0.01	-2.541	
s96t005148	15	2	2	961003	sub-s	24.74	NA					
s96t005148	15	2	2	961003	sub-s	24.11	NA					
s96t005148	15	2	2	961003	sub-s	NA	1.120					
s96t005148	15	2	2	961003	sub-s	NA	1.160					
					by111r15s2	24.4	1.14	1.508	1.388	0.057	-2.506	
s96t005157	15	3	2	961003	sub-s	12.04	NA					
s96t005157	15	3	2	961003	sub-s	17.67	NA					
s96t005157	15	3	2	961003	sub-s	NA	0.937					
s96t005157	15	3	2	961003	sub-s	NA	0.896					
					by111r15s3	14.9	0.916	1.076	1.172	-0.038	-2.867	
s96t005301	15	4	2	961003	sub-s	12.97	NA					
s96t005301	15	4	2	961003	sub-s	19.60	NA					
s96t005301	15	4	3	961003	sub-s	NA	0.800					
s96t005301	15	4	3	961003	sub-s	NA	0.754					
s96t005301	15	4	3	961003	sub-s	NA	0.869					
					by111r15s4	16.3	0.808	0.965	1.212	-0.093	-2.982	
s96t005304	15	5	2	961003	sub-s	27.80	NA					
s96t005304	15	5	2	961003	sub-s	26.39	NA					
s96t005310	15	5	2	961003	sub-s	42.26	NA					
s96t005310	15	5	2	961003	sub-s	43.01	NA					
s96t005304	15	5	2	961003	sub-s	NA	0.903					
s96t005304	15	5	2	961003	sub-s	NA	1.000					
s96t005310	15	5	2	961003	sub-s	NA	0.342					
s96t005310	15	5	2	961003	sub-s	NA	0.300					
					by111r15s5	34.9	0.636	0.977	1.542	-0.196	-2.969	
s96t005158	15	6	4	961003	sub-s	29.91	NA					
s96t005158	15	6	4	961003	sub-s	43.57	NA					
s96t005158	15	6	4	961003	sub-s	28.04	NA					
s96t005158	15	6	4	961003	sub-s	30.82	NA					
s96t005314	15	6	2	961003	sub-s	53.81	NA					
s96t005314	15	6	2	961003	sub-s	54.28	NA					
s96t005158	15	6	3	961003	sub-s	NA	0.243					
s96t005158	15	6	3	961003	sub-s	NA	0.175					
s96t005158	15	6	3	961003	sub-s	NA	0.168					
s96t005314	15	6	2	961003	sub-s	NA	0.104					
s96t005314	15	6	2	961003	sub-s	NA	0.095					
					by111r15s6	33.1	0.195	0.292	1.52	-0.709	-4.212	

Summary for Tank by112

Tank Statistics

wet.waste.vol	=	1101	dry.mu.top	=	-4.321
wet.vol.top	=	82.09	dry.mu.bot	=	-3.717
wet.vol.bot	=	1019	dry.sterr.top	=	0.3867
dry.waste.vol	=	825	dry.sterr.bot	=	0.2154
dry.vol.top	=	60.49	dry.corr	=	0.1873
dry.vol.bot	=	764.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	12
h2o.mu.top	=	-1.03	toc.mu.top	=	-4.686
h2o.mu.bot	=	-1.098	toc.mu.bot	=	-4.044
h2o.sterr.top	=	0.2652	toc.sterr.top	=	0.3738
h2o.sterr.bot	=	0.1535	toc.sterr.bot	=	0.2013
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	12
h2o.mu	=	-1.095	toc.mu	=	-4.131
rw.h2o.mu	=	0.08075	rw.toc.mu	=	4.514
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.34e-07	7.23e-07	1.33e-06	2.8e-06	7.27e-06	1.75e-05	9.26e-05	0.000753
Dry	0.000273	0.000367	0.000496	0.000695	0.0011	0.00159	0.00285	0.319

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t005873	18	1	2	961031	surfa	25.14	NA				
s96t005873	18	1	2	961031	surfa	22.29	NA				
s96t005873	18	1	2	961031	surfa	NA	0.123				
s96t005873	18	1	2	961031	surfa	NA	0.114				
					by112r18s1	23.7	0.118	0.155	1.375	-0.926	-4.85
s96t005874	18	2	2	961031	sub-s	14.39	NA				
s96t005874	18	2	2	961031	sub-s	14.42	NA				
s96t005874	18	2	2	961031	sub-s	NA	0.070				
s96t005874	18	2	2	961031	sub-s	NA	0.038				
					by112r18s2	14.4	*****	0.063	1.159	-1.269	-5.76
s96t005875	18	3	2	961031	sub-s	15.65	NA				

s96t005875	18	3	2	961031	sub-s	13.69	NA					
s96t005875	18	3	2	961031	sub-s	NA	0.128					
s96t005875	18	3	2	961031	sub-s	NA	0.091					
					by112r18s3	14.7	0.11	0.129	1.166	-0.96	-5.041	
s96t005876	18	4	2	961031	sub-s	23.40	NA					
s96t005876	18	4	2	961031	sub-s	23.17	NA					
s96t005876	18	4	2	961031	sub-s	NA	3.430					
s96t005876	18	4	2	961031	sub-s	NA	3.070					
					by112r18s4	23.3	3.25	4.236	1.367	0.512	-1.314	
s96t005877	18	5	2	961031	sub-s	41.79	NA					
s96t005877	18	5	2	961031	sub-s	43.53	NA					
s96t005878	18	5	2	961031	sub-s	34.17	NA					
s96t005878	18	5	2	961031	sub-s	33.78	NA					
s96t005907	18	5	2	961031	sub-s	48.06	NA					
s96t005907	18	5	2	961031	sub-s	48.69	NA					
s96t005877	18	5	3	961031	sub-s	NA	0.771					
s96t005877	18	5	3	961031	sub-s	NA	0.616					
s96t005877	18	5	3	961031	sub-s	NA	0.536					
s96t005878	18	5	2	961031	sub-s	NA	1.410					
s96t005878	18	5	2	961031	sub-s	NA	1.420					
s96t005907	18	5	2	961031	sub-s	NA	0.131					
s96t005907	18	5	2	961031	sub-s	NA	0.128					
					by112r18s5	38.3	0.951	1.541	1.583	-0.022	-2.483	
s96t005879	18	6	2	961031	sub-s	33.03	NA					
s96t005879	18	6	2	961031	sub-s	32.89	NA					
s96t005880	18	6	2	961031	sub-s	36.86	NA					
s96t005880	18	6	2	961031	sub-s	37.56	NA					
s96t005879	18	6	2	961031	sub-s	NA	0.156					
s96t005879	18	6	2	961031	sub-s	NA	0.155					
s96t005880	18	6	3	961031	sub-s	NA	0.799					
s96t005880	18	6	3	961031	sub-s	NA	0.664					
s96t005880	18	6	3	961031	sub-s	NA	0.770					
					by112r18s6	35.1	0.509	0.784	1.545	-0.293	-3.199	
s96t005917	21	1	4	961031	surfa	21.83	NA					
s96t005917	21	1	4	961031	surfa	39.42	NA					
s96t005917	21	1	4	961031	surfa	39.43	NA					
s96t005917	21	1	4	961031	surfa	43.02	NA					
s96t005917	21	1	2	961031	surfa	NA	0.126					
s96t005917	21	1	2	961031	surfa	NA	0.139					
					by112r21s1	35.9	0.133	0.207	1.555	-0.878	-4.561	
s96t005918	21	2	2	961031	sub-s	15.00	NA					

```
s96t005918   21    2    2 961031 sub-s 15.73    NA
s96t005918   21    2    2 961031 sub-s    NA 0.075
s96t005918   21    2    2 961031 sub-s    NA 0.090
                        by112r21s2  15.4 *****  0.098  1.187 -1.082 -5.317

s96t005919   21    3    2 961031 sub-s 15.94    NA
s96t005919   21    3    2 961031 sub-s 21.15    NA
s96t005919   21    3    2 961031 sub-s    NA 0.056
s96t005919   21    3    2 961031 sub-s    NA 0.052
                        by112r21s3  18.5 *****  0.066  1.268 -1.271 -5.714

s96t005920   21    4    2 961031 sub-s 21.46    NA
s96t005920   21    4    2 961031 sub-s 18.25    NA
s96t005921   21    4    2 961031 sub-s 36.86    NA
s96t005921   21    4    2 961031 sub-s 36.42    NA
s96t005920   21    4    2 961031 sub-s    NA 0.608
s96t005920   21    4    2 961031 sub-s    NA 0.733
s96t005921   21    4    2 961031 sub-s    NA 2.530
s96t005921   21    4    2 961031 sub-s    NA 2.980
                        by112r21s4  28.2  1.71  2.387  1.451  0.234 -1.999

s96t005950   21    5    2 961031 sub-s 34.77    NA
s96t005950   21    5    2 961031 sub-s 32.32    NA
s96t005951   21    5    2 961031 sub-s 40.06    NA
s96t005951   21    5    2 961031 sub-s 40.34    NA
s96t005960   21    5    2 961031 sub-s 48.60    NA
s96t005960   21    5    2 961031 sub-s 48.75    NA
s96t005950   21    5    2 961031 sub-s    NA 1.780
s96t005950   21    5    2 961031 sub-s    NA 2.340
s96t005951   21    5    2 961031 sub-s    NA 0.878
s96t005951   21    5    2 961031 sub-s    NA 0.845
s96t005960   21    5    2 961031 sub-s    NA 0.104
s96t005960   21    5    2 961031 sub-s    NA 0.103
                        by112r21s5  36.9  1.46  2.314  1.567  0.165 -2.034

s96t005922   21    6    2 961031 sub-s 27.66    NA
s96t005922   21    6    2 961031 sub-s 29.71    NA
s96t005922   21    6    2 961031 sub-s    NA 0.463
s96t005922   21    6    2 961031 sub-s    NA 0.474
                        by112r21s6  28.7 0.469  0.657  1.458 -0.329 -3.382
```

Summary for Tank c101

Tank Statistics

wet.waste.vol	=	333.1	dry.mu.top	=	-4.046
wet.vol.top	=	82.09	dry.mu.bot	=	-4.046
wet.vol.bot	=	251	dry.sterr.top	=	1.046
dry.waste.vol	=	194.6	dry.sterr.bot	=	1.046
dry.vol.top	=	48.66	dry.corr	=	0.831
dry.vol.bot	=	145.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4572	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.23e-10	1.09e-08	1.62e-07	3.06e-06	0.000128	0.00356	0.236	5.95
Dry	9.99e-05	0.000378	0.00135	0.00508	0.0242	0.0665	0.261	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000823	8	1	1	del.sp	950329	surfa	10.46	NA
s95t000823	8	1	3	del.sp	950329	surfa	19.80	NA
s95t000823	8	1	2	del.sp	950329	surfa	20.40	NA
s95t000827	8	1	2	del.sp	950329	surfa	21.80	NA
s95t000827	8	1	1	del.sp	950329	surfa	23.35	NA
s95t000831	8	1	1	del.sp	950329	surfa	33.63	NA
s95t000831	8	1	2	del.sp	950329	surfa	34.20	NA
s95t000820	8	1	1	del.sp	950329	surfa	73.80	NA
s95t000820	8	1	2	del.sp	950329	surfa	73.80	NA
s95t000906	8	1	1	del.sp	950329	surfa	NA	0.098
s95t000906	8	1	2	del.sp	950329	surfa	NA	0.095

Summary for Tank c102

Tank Statistics

wet.waste.vol	=	1196	dry.mu.top	=	-4.046
wet.vol.top	=	82.09	dry.mu.bot	=	-4.046
wet.vol.bot	=	1114	dry.sterr.top	=	1.046
dry.waste.vol	=	696.4	dry.sterr.bot	=	1.046
dry.vol.top	=	48.66	dry.corr	=	0.831
dry.vol.bot	=	647.7	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4657	rw.toc.mu	=	4.579
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.73e-09	2.4e-08	2.72e-07	4.29e-06	0.000128	0.0032	0.246	3.88
Dry	7.57e-05	0.00029	0.00108	0.00431	0.0219	0.0649	0.297	0.902

Data From Tank

No Data Associated with This Tank

Summary for Tank c103

Tank Statistics

wet.waste.vol	=	234.7	dry.mu.top	=	-4.046
wet.vol.top	=	82.09	dry.mu.bot	=	-4.046
wet.vol.bot	=	152.6	dry.sterr.top	=	1.046
dry.waste.vol	=	129.8	dry.sterr.bot	=	1.046
dry.vol.top	=	48.33	dry.corr	=	0.831
dry.vol.bot	=	81.43	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8204	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.6298	rw.toc.mu	=	4.607
h2o.grp	=	wet.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.1e-10	4.2e-09	7.34e-08	1.53e-06	3.48e-05	0.00103	0.152	20.2
Dry	0.000107	0.000398	0.00142	0.00535	0.0249	0.0728	0.247	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s94t000200	2	1	1	del.sp	941028	surfa	88.29	NA
s94t000200	2	1	2	del.sp	941028	surfa	88.57	NA
s95t000038	2	2	2	del.sp	941028	sub-s	54.05	NA
s95t000038	2	2	1	del.sp	941028	sub-s	56.63	NA
s95t000045	2	2	2	del.sp	941028	sub-s	61.30	NA
s95t000045	2	2	1	del.sp	941028	sub-s	63.09	NA
s95t000049	2	2	1	del.sp	941028	sub-s	81.66	NA
s95t000049	2	2	2	del.sp	941028	sub-s	87.30	NA
s95t000045	2	2	1	del.sp	941028	sub-s	NA	0.765
s95t000045	2	2	2	del.sp	941028	sub-s	NA	0.933
s95t000038	2	2	2	del.sp	941028	sub-s	NA	0.979
s95t000038	2	2	1	del.sp	941028	sub-s	NA	1.070

s95t000566	2	3	2	del.sp	941028	sub-s	27.20	NA
s95t000046	2	3	1	del.sp	941028	sub-s	30.82	NA
s95t000566	2	3	1	del.sp	941028	sub-s	43.23	NA
s95t000046	2	3	2	del.sp	941028	sub-s	44.04	NA
s95t000047	2	3	1	del.sp	941028	sub-s	49.75	NA
s95t000047	2	3	2	del.sp	941028	sub-s	51.26	NA
s95t000047	2	3	1	del.sp	941028	sub-s	NA	0.734
s95t000047	2	3	2	del.sp	941028	sub-s	NA	0.785
s95t000046	2	3	1	del.sp	941028	sub-s	NA	0.886
s95t000046	2	3	2	del.sp	941028	sub-s	NA	0.894
s95t000048	2	4	1	del.sp	941028	sub-s	13.47	NA
s95t000887	2	4	2	del.sp	941028	sub-s	25.00	NA
s95t000887	2	4	1	del.sp	941028	sub-s	25.30	NA
s95t000048	2	4	2	del.sp	941028	sub-s	26.37	NA
s95t000048	2	4	3	del.sp	941028	sub-s	29.70	NA
s95t000052	2	4	2	del.sp	941028	sub-s	77.85	NA
s95t000052	2	4	1	del.sp	941028	sub-s	82.12	NA
s95t000048	2	4	1	del.sp	941028	sub-s	NA	0.436
s95t000048	2	4	2	del.sp	941028	sub-s	NA	0.465
s95t000218	7	1	1	del.sp	950206	surfa	87.79	NA
s95t000218	7	1	2	del.sp	950206	surfa	88.10	NA
s95t000214	7	2	2	del.sp	950206	sub-s	87.28	NA
s95t000214	7	2	1	del.sp	950206	sub-s	87.86	NA
s95t000224	7	3	2	del.sp	950206	sub-s	69.13	NA
s95t000224	7	3	1	del.sp	950206	sub-s	79.15	NA
s95t000220	7	3	2	del.sp	950206	sub-s	86.99	NA
s95t000220	7	3	1	del.sp	950206	sub-s	87.47	NA
s95t000224	7	3	1	del.sp	950206	sub-s	NA	0.876
s95t000224	7	3	2	del.sp	950206	sub-s	NA	0.905
s95t000225	7	4	2	del.sp	950206	sub-s	73.49	NA
s95t000225	7	4	1	del.sp	950206	sub-s	76.46	NA
s95t000222	7	4	2	del.sp	950206	sub-s	89.38	NA
s95t000222	7	4	1	del.sp	950206	sub-s	89.50	NA
s95t000225	7	4	1	del.sp	950206	sub-s	NA	0.846
s95t000225	7	4	2	del.sp	950206	sub-s	NA	0.993
s94t000200	2	1	1	del.sp	941028	surfa	NA	0.587
s94t000200	2	1	2	del.sp	941028	surfa	NA	0.585
s94t000200	2	1	1	del.sp	941028	surfa	NA	0.601
s94t000200	2	1	2	del.sp	941028	surfa	NA	0.547
s95t000049	2	2	1	del.sp	941028	sub-s	NA	0.567
s95t000049	2	2	2	del.sp	941028	sub-s	NA	0.571
s95t000052	2	4	1	del.sp	941028	sub-s	NA	0.351
s95t000052	2	4	2	del.sp	941028	sub-s	NA	0.349
s95t000214	7	2	1	del.sp	950206	sub-s	NA	0.548
s95t000214	7	2	2	del.sp	950206	sub-s	NA	0.523
s95t000218	7	1	1	del.sp	950206	surfa	NA	0.554

s95t000218	7	1	2	del.sp	950206	surfa	NA 0.565
s95t000220	7	3	1	del.sp	950206	sub-s	NA 0.519
s95t000220	7	3	2	del.sp	950206	sub-s	NA 0.520
s95t000222	7	4	1	del.sp	950206	sub-s	NA 0.458
s95t000222	7	4	2	del.sp	950206	sub-s	NA 0.467

Summary for Tank c104

Tank Statistics

wet.waste.vol	=	1117	dry.mu.top	=	-2.512
wet.vol.top	=	82.09	dry.mu.bot	=	-2.304
wet.vol.bot	=	1034	dry.sterr.top	=	0.3877
dry.waste.vol	=	587	dry.sterr.bot	=	0.2258
dry.vol.top	=	46.06	dry.corr	=	0.197
dry.vol.bot	=	540.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	11
h2o.mu.top	=	-0.2458	toc.mu.top	=	-3.077
h2o.mu.bot	=	-0.09156	toc.mu.bot	=	-3.063
h2o.sterr.top	=	0.2679	toc.sterr.top	=	0.3747
h2o.sterr.bot	=	0.1611	toc.sterr.bot	=	0.2112
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	11	toc.nobs	=	11
h2o.mu	=	-0.1123	toc.mu	=	-3.015
rw.h2o.mu	=	0.7921	rw.toc.mu	=	4.635
h2o.grp	=	dry.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.27e-06	6.11e-06	1.14e-05	2.24e-05	6.78e-05	0.000181	0.000798	0.00428
Dry	0.0684	0.0791	0.092	0.109	0.136	0.161	0.214	0.653

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t005360	14	1	2	960730	surfa	38.73	NA				
s96t005360	14	1	1	960730	surfa	38.78	NA				
s96t005966	14	1	1	960730	surfa	NA	0.749				
s96t005966	14	1	2	960730	surfa	NA	0.906				
					c104r14s1	38.8	0.828	1.351	1.588	-0.082	-2.625
s96t004371	14	2	2	960730	sub-s	46.08	NA				
s96t004371	14	2	1	960730	sub-s	50.67	NA				
s96t004379	14	2	2	960730	sub-s	56.28	NA				
s96t004379	14	2	1	960730	sub-s	59.87	NA				
s96t004379	14	2	1	960730	sub-s	NA	0.843				
s96t004379	14	2	2	960730	sub-s	NA	1.010				
s96t004371	14	2	2	960730	sub-s	NA	1.380				

s96t004371	14	2	1	960730	sub-s	NA	1.410				
					c104r14s2	53.2	1.16	2.482	1.726	0.065	-1.954
s96t004873	14	3	1	960730	sub-s	59.03	NA				
s96t004874	14	3	2	960730	sub-s	59.61	NA				
s96t004872	14	3	1	960730	sub-s	61.64	NA				
s96t004872	14	3	2	960730	sub-s	62.00	NA				
s96t004874	14	3	1	960730	sub-s	62.74	NA				
s96t004873	14	3	2	960730	sub-s	72.05	NA				
s96t004874	14	3	1	960730	sub-s	NA	0.613				
s96t004874	14	3	2	960730	sub-s	NA	0.638				
s96t004872	14	3	2	960730	sub-s	NA	0.832				
s96t004872	14	3	1	960730	sub-s	NA	0.946				
s96t004873	14	3	2	960730	sub-s	NA	0.972				
s96t004873	14	3	1	960730	sub-s	NA	1.040				
					c104r14s3	62.8	0.84	2.261	1.798	-0.076	-2.06
s96t004877	14	4	2	960730	sub-s	45.92	NA				
s96t004875	14	4	1	960730	sub-s	49.42	NA				
s96t004877	14	4	1	960730	sub-s	53.85	NA				
s96t004875	14	4	2	960730	sub-s	60.51	NA				
s96t004876	14	4	2	960730	sub-s	61.21	NA				
s96t004876	14	4	1	960730	sub-s	61.57	NA				
s96t004875	14	4	1	960730	sub-s	NA	0.669				
s96t004875	14	4	2	960730	sub-s	NA	0.714				
s96t004876	14	4	2	960730	sub-s	NA	0.829				
s96t004876	14	4	1	960730	sub-s	NA	0.911				
s96t004877	14	4	2	960730	sub-s	NA	3.090				
s96t004877	14	4	1	960730	sub-s	NA	3.220				
					c104r14s4	55.4	1.57	3.526	1.744	0.196	-1.542
s96t004919	14	5	2	960730	sub-s	54.40	NA				
s96t004919	14	5	1	960730	sub-s	54.93	NA				
s96t004920	14	5	1	960730	sub-s	61.90	NA				
s96t004920	14	5	2	960730	sub-s	62.30	NA				
s96t004919	14	5	1	960730	sub-s	NA	1.260				
s96t004919	14	5	2	960730	sub-s	NA	1.310				
s96t004920	14	5	1	960730	sub-s	NA	1.510				
s96t004920	14	5	2	960730	sub-s	NA	1.650				
					c104r14s5	58.4	1.43	3.442	1.766	0.156	-1.571
s96t004879	14	6	1	960730	sub-s	58.77	NA				
s96t004879	14	6	2	960730	sub-s	58.79	NA				
s96t004878	14	6	1	960730	sub-s	61.15	NA				
s96t004878	14	6	2	960730	sub-s	63.20	NA				
s96t004880	14	6	1	960730	sub-s	72.66	NA				

s96t004880	14	6	2	960730	sub-s	79.04	NA					
s96t004881	14	6	1	960730	sub-s	80.59	NA					
s96t004881	14	6	2	960730	sub-s	81.07	NA					
s96t004881	14	6	2	960730	sub-s	NA	0.198					
s96t004880	14	6	1	960730	sub-s	NA	0.232					
s96t004881	14	6	1	960730	sub-s	NA	0.241					
s96t004880	14	6	2	960730	sub-s	NA	0.268					
s96t004878	14	6	1	960730	sub-s	NA	0.494					
s96t004878	14	6	2	960730	sub-s	NA	0.511					
s96t004879	14	6	2	960730	sub-s	NA	0.863					
s96t004879	14	6	1	960730	sub-s	NA	0.864					
					c104r14s6	69.4	0.459	1.5	1.841	-0.338	-2.512	
s98t002023	165	999	2	980430	sub-s	13.87	NA					
s98t002023	165	999	1	980430	sub-s	14.10	NA					
s98t002027	165	999	2	980430	sub-s	NA	1.240					
s98t002027	165	999	1	980430	sub-s	NA	1.580					
s98t002023	165	999	1	980430	sub-s	NA	2.160					
s98t002023	165	999	2	980430	sub-s	NA	2.350					
					c104r165s999	14	1.83	2.13	1.146	0.263	-2.127	
s96t004838	3	1	2	960816	surfa	37.77	NA					
s96t004841	3	1	1	960816	surfa	40.59	NA					
s96t004838	3	1	1	960816	surfa	45.95	NA					
s96t004841	3	1	2	960816	surfa	53.73	NA					
s96t004841	3	1	2	960816	surfa	NA	1.010					
s96t004838	3	1	2	960816	surfa	NA	1.040					
s96t004838	3	1	1	960816	surfa	NA	1.070					
s96t004841	3	1	1	960816	surfa	NA	1.090					
					c104r3s1	44.5	1.05	1.897	1.648	0.022	-2.256	
s96t004839	3	2	2	960816	sub-s	44.73	NA					
s96t004842	3	2	1	960816	sub-s	50.58	NA					
s96t004839	3	2	1	960816	sub-s	51.43	NA					
s96t004842	3	2	2	960816	sub-s	52.44	NA					
s96t004842	3	2	1	960816	sub-s	NA	1.010					
s96t004842	3	2	2	960816	sub-s	NA	1.040					
s96t004839	3	2	1	960816	sub-s	NA	1.910					
s96t004839	3	2	2	960816	sub-s	NA	2.010					
					c104r3s2	49.8	1.49	2.973	1.697	0.174	-1.745	
s96t004358	3	3	1	960816	sub-s	45.55	NA					
s96t004358	3	3	2	960816	sub-s	46.15	NA					
s96t004366	3	3	1	960816	sub-s	47.50	NA					
s96t004366	3	3	2	960816	sub-s	52.95	NA					
s96t004363	3	3	1	960816	sub-s	79.73	NA					

s96t004363	3	3	2	960816	sub-s	80.31	NA					
s96t004363	3	3	1	960816	sub-s	NA	0.465					
s96t004363	3	3	2	960816	sub-s	NA	0.551					
s96t004366	3	3	2	960816	sub-s	NA	1.180					
s96t004366	3	3	1	960816	sub-s	NA	1.240					
s96t004358	3	3	2	960816	sub-s	NA	1.280					
s96t004358	3	3	1	960816	sub-s	NA	1.310					
					c104r3s3	48	1.25	2.41	1.682	0.098	-1.988	
s96t004843	3	4	2	960816	sub-s	19.01	NA					
s96t004843	3	4	1	960816	sub-s	20.80	NA					
s96t004840	3	4	2	960816	sub-s	23.80	NA					
s96t004840	3	4	1	960816	sub-s	25.70	NA					
s96t004843	3	4	1	960816	sub-s	40.26	NA					
s96t004843	3	4	2	960816	sub-s	71.64	NA					
s96t004828	3	4	1	960816	sub-s	81.20	NA					
s96t004828	3	4	2	960816	sub-s	82.00	NA					
s96t004843	3	4	2	960816	sub-s	NA	0.106					
s96t004843	3	4	1	960816	sub-s	NA	0.127					
s96t004840	3	4	2	960816	sub-s	NA	0.158					
s96t004840	3	4	1	960816	sub-s	NA	0.187					
s96t004828	3	4	2	960816	sub-s	NA	0.410					
s96t004828	3	4	1	960816	sub-s	NA	0.411					
					c104r3s4	33.5	0.144	0.217	1.525	-0.84	-4.511	

Summary for Tank c105

Tank Statistics

wet.waste.vol	=	511	dry.mu.top	=	-3.267
wet.vol.top	=	82.09	dry.mu.bot	=	-3.19
wet.vol.bot	=	428.9	dry.sterr.top	=	0.7124
dry.waste.vol	=	374.4	dry.sterr.bot	=	0.5584
dry.vol.top	=	56.04	dry.corr	=	0.5981
dry.vol.bot	=	318.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.7661	toc.mu.top	=	-3.627
h2o.mu.bot	=	-1.058	toc.mu.bot	=	-3.662
h2o.sterr.top	=	0.2769	toc.sterr.top	=	0.7269
h2o.sterr.bot	=	0.2257	toc.sterr.bot	=	0.5421
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	6	toc.nobs	=	1
h2o.mu	=	-1.002	toc.mu	=	-3.457
rw.h2o.mu	=	0.1009	rw.toc.mu	=	4.517
h2o.grp	=	dry.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.59e-05	7.27e-05	0.000199	0.00082	0.00436	0.0133	0.116	1.36
Dry	0.00426	0.00732	0.0125	0.0224	0.046	0.0782	0.17	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000673	2	1	1	950314	surfa	33.28	NA				
s95t000673	2	1	3	950314	surfa	34.65	NA				
s95t000673	2	1	2	950314	surfa	36.59	NA				
s95t000669	2	1	2	950314	surfa	59.40	NA				
s95t000669	2	1	1	950314	surfa	59.88	NA				
					c105r2s1	34.8	NA	NA	1.542	NA	NA
s95t000681	2	2	2	950314	sub-s	36.54	NA				
s95t000681	2	2	1	950314	sub-s	37.88	NA				
s95t000677	2	2	1	950314	sub-s	72.20	NA				
s95t000677	2	2	2	950314	sub-s	72.27	NA				
s95t001046	2	2	1	950314	sub-s	NA	0.546				
s95t001046	2	2	2	950314	sub-s	NA	0.676				

					c105r2s2	37.2	0.611	0.973	1.571	-0.214	-2.973
s95t000694	2	3	1	950314	sub-s	12.91	NA				
s95t000694	2	3	2	950314	sub-s	14.05	NA				
s95t000700	2	3	2	950314	sub-s	19.48	NA				
s95t000700	2	3	1	950314	sub-s	21.04	NA				
					c105r2s3	16.9	NA	NA	1.227	NA	NA
s95t000500	8	1	2	950314	surfa	41.64	NA				
s95t000500	8	1	1	950314	surfa	42.75	NA				
s95t000504	8	1	1	950314	surfa	61.84	NA				
s95t000504	8	1	2	950314	surfa	62.01	NA				
					c105r8s1	42.2	NA	NA	1.625	NA	NA
s95t000661	8	2	2	950314	sub-s	4.33	NA				
s95t000661	8	2	1	950314	sub-s	4.54	NA				
s95t000655	8	2	2	950314	sub-s	12.50	NA				
s95t000655	8	2	3	950314	sub-s	29.90	NA				
s95t000655	8	2	1	950314	sub-s	30.71	NA				
s95t000645	8	2	2	950314	sub-s	60.88	NA				
s95t000645	8	2	1	950314	sub-s	65.11	NA				
					c105r8s2	16.4	NA	NA	1.215	NA	NA
s95t000516	8	3	2	950314	sub-s	20.56	NA				
s95t000516	8	3	1	950314	sub-s	21.54	NA				
s95t000520	8	3	2	950314	sub-s	76.30	NA				
s95t000520	8	3	1	950314	sub-s	77.19	NA				
s95t000520	8	3	3	950314	sub-s	77.96	NA				
					c105r8s3	21	NA	NA	1.323	NA	NA

Summary for Tank c106

Tank Statistics

wet.waste.vol	=	745.6	dry.mu.top	=	-3.773
wet.vol.top	=	82.09	dry.mu.bot	=	-3.864
wet.vol.bot	=	663.6	dry.sterr.top	=	0.6629
dry.waste.vol	=	402.4	dry.sterr.bot	=	0.4414
dry.vol.top	=	48.33	dry.corr	=	0.5081
dry.vol.bot	=	354.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.273
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.505
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.6771
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.4207
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	2
h2o.mu	=	NaN	toc.mu	=	-4.631
rw.h2o.mu	=	0.7006	rw.toc.mu	=	4.619
h2o.grp	=	wet.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.16e-10	1.39e-09	1.29e-08	1.41e-07	2.54e-06	2.6e-05	0.00111	0.266
Dry	0.000236	0.000419	0.000759	0.00146	0.00343	0.00648	0.0159	0.902

Data From Tank

```
  lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
g1xcooxx  na1  999   NA   NA sub-s   NA 0.462
                  c106rna117s999 46.6 0.462  0.866  1.669 -0.335 -3.096

NA        na8  NA    NA   NA sub-s   NA 0.080
                  c106rna87s-7079 46.6  0.08   0.15  1.669 -1.097 -4.886
```

Unused Data Records

```
    lab.id  ris  seg repl  status   date layer   h2o   toc
s96t000551    1    1    1 del.qa  960223 super  9.44    NA
s96t000558    1    1    1 del.qa  960223 super 11.71    NA
s96t000560    1    1    1 del.qa  960223 super 13.39    NA
s96t000560    1    1    2 del.qa  960223 super 13.59    NA
s96t000558    1    1    2 del.qa  960223 super 14.00    NA
```

s96t000551	1	1	2	del.qa	960223	super	16.11	NA
s96t000558	1	1	1	del.qa	960223	super	17.00	NA
s96t000558	1	1	2	del.qa	960223	super	17.20	NA
s96t000553	1	1	1	del.qa	960223	super	18.90	NA
s96t000553	1	1	2	del.qa	960223	super	19.20	NA
s96t000545	1	1	1	del.qa	960223	super	34.27	NA
s96t000545	1	1	2	del.qa	960223	super	36.53	NA
s96t001567	1	1	2	del.qa	960223	super	67.52	NA
s96t001567	1	1	1	del.qa	960223	super	71.58	NA
s96t000559	1	1	1	del.qa	960223	super	79.30	NA
s96t000559	1	1	2	del.qa	960223	super	79.30	NA
s96t000552	1	1	1	del.sup	960223	super	NA	2.470
s96t000552	1	1	2	del.sup	960223	super	NA	2.920
s96t001526	1	1	2	del.qa	960208	super	2.82	NA
s96t001526	1	1	1	del.qa	960208	super	3.54	NA
s96t001526	1	1	2	del.sup	960208	super	NA	5.030
s96t001526	1	1	1	del.sup	960208	super	NA	6.050
s96t001527	1	1	2	del.qa	960208	super	3.54	NA
s96t001527	1	1	1	del.qa	960208	super	3.63	NA
s96t001527	1	1	2	del.qa	960208	super	5.60	NA
s96t001527	1	1	1	del.qa	960208	super	5.90	NA
s96t001537	1	1	1	del.qa	960208	super	22.14	NA
s96t001539	1	1	2	del.qa	960208	super	23.10	NA
s96t001537	1	1	2	del.qa	960208	super	26.07	NA
s96t001539	1	1	1	del.qa	960208	super	27.10	NA
s96t001530	1	1	1	del.qa	960208	super	32.71	NA
s96t001530	1	1	2	del.qa	960208	super	34.32	NA
s96t001544	1	1	2	del.sup	960208	super	57.09	NA
s96t001544	1	1	1	del.sup	960208	super	58.94	NA
s96t001528	1	1	1	del.sup	960208	super	76.70	NA
s96t001528	1	1	2	del.sup	960208	super	76.80	NA
s96t001538	1	1	1	del.sup	960208	super	NA	1.480
s96t001538	1	1	2	del.sup	960208	super	NA	1.640
s96t000538	1	1	2	del.sup	960223	super	80.84	NA
s96t000538	1	1	1	del.sup	960223	super	80.91	NA
s96t000538	1	1	1	del.sup	960223	super	81.40	NA
s96t000538	1	1	2	del.sup	960223	super	81.40	NA
s96t000538	1	1	2	del.sup	960223	super	NA	0.189
s96t000538	1	1	1	del.sup	960223	super	NA	0.199
s96t000538	1	1	2	del.sup	960223	super	NA	0.281
s96t000538	1	1	1	del.sup	960223	super	NA	0.291
s96t000542	1	1	1	del.qa	960223	super	8.04	NA
s96t000542	1	1	2	del.qa	960223	super	8.51	NA
s96t000542	1	1	1	del.qa	960223	super	9.80	NA
s96t000542	1	1	2	del.qa	960223	super	10.00	NA
s96t000567	1	1	2	del.qa	960223	super	25.27	NA

s96t000567	1	1	1	del.qa	960223	super	26.22	NA
s96t000569	1	1	1	del.qa	960223	super	26.30	NA
s96t000569	1	1	2	del.qa	960223	super	27.30	NA
s96t000543	1	1	1	del.qa	960223	super	29.76	NA
s96t000543	1	1	2	del.qa	960223	super	32.47	NA
s96t001548	1	1	1	del.qa	960223	super	34.16	NA
s96t001548	1	1	2	del.qa	960223	super	35.78	NA
s96t000563	1	1	2	del.qa	960223	super	59.37	NA
s96t000563	1	1	1	del.qa	960223	super	61.32	NA
s96t000544	1	1	1	del.qa	960223	super	78.80	NA
s96t000544	1	1	2	del.qa	960223	super	78.80	NA
s96t000544	1	1	2	del.sup	960223	super	NA	0.169
s96t000544	1	1	1	del.sup	960223	super	NA	0.173
s96t000568	1	1	1	del.sup	960223	super	NA	2.040
s96t000568	1	1	2	del.sup	960223	super	NA	2.490
s96t002021	1	1	2	del.qa	960223	super	46.16	NA
s96t002042	1	1	2	del.qa	960223	super	54.50	NA
s96t002042	1	1	1	del.qa	960223	super	56.10	NA
s96t002021	1	1	1	del.qa	960223	super	59.60	NA
s96t002042	1	1	1	del.qa	960223	super	60.45	NA
s96t002042	1	1	2	del.qa	960223	super	60.55	NA
s96t002769	1	1	1	del.qa	960223	super	73.78	NA
s96t002769	1	1	2	del.qa	960223	super	76.28	NA
s96t002772	1	1	2	del.qa	960223	super	78.63	NA
s96t002772	1	1	1	del.qa	960223	super	79.49	NA
s96t002766	1	1	2	del.qa	960223	super	96.16	NA
s96t002766	1	1	1	del.qa	960223	super	96.24	NA
s96t002770	1	1	1	del.qa	960223	super	96.86	NA
s96t002770	1	1	2	del.qa	960223	super	97.03	NA
s96t000854	1	1	2	del.qa	960223	super	NA	0.932
s96t000854	1	1	3	del.qa	960223	super	NA	0.976
s96t000854	1	1	1	del.qa	960223	super	NA	1.340
s96t001674	7	1	2	del.sup	960301	super	8.43	NA
s96t001674	7	1	1	del.sup	960301	super	9.63	NA
s96t001674	7	1	2	del.sup	960301	super	10.90	NA
s96t001674	7	1	1	del.sup	960301	super	12.40	NA
s96t001679	7	1	1	del.sup	960301	super	28.37	NA
s96t001685	7	1	2	del.sup	960301	super	31.29	NA
s96t001679	7	1	2	del.sup	960301	super	31.34	NA
s96t001685	7	1	1	del.sup	960301	super	32.54	NA
s96t001687	7	1	1	del.sup	960301	super	34.10	NA
s96t001687	7	1	2	del.sup	960301	super	34.10	NA
s96t001676	7	1	2	del.sup	960301	super	39.47	NA
s96t001676	7	1	1	del.sup	960301	super	40.05	NA
s96t001681	7	1	2	del.sup	960301	super	44.37	NA
s96t001681	7	1	1	del.sup	960301	super	48.47	NA

s96t001675	7	1	1	del.sup	960301	super	78.20	NA
s96t001675	7	1	2	del.sup	960301	super	78.30	NA
s96t001681	7	1	2	del.sup	960301	super	NA	0.136
s96t001681	7	1	1	del.sup	960301	super	NA	0.137
s96t001681	7	1	1	del.sup	960301	super	NA	0.172
s96t001681	7	1	2	del.sup	960301	super	NA	0.174
s96t001686	7	1	2	del.sup	960301	super	NA	1.730
s96t001686	7	1	1	del.sup	960301	super	NA	2.000
s96t001023	7	1	1	del.sup	960301	super	79.00	NA
s96t001023	7	1	2	del.sup	960301	super	79.00	NA
s96t001023	7	1	1	del.sup	960301	super	79.05	NA
s96t001023	7	1	2	del.sup	960301	super	79.49	NA
s96t001023	7	1	1	del.sup	960301	super	NA	0.167
s96t001023	7	1	2	del.sup	960301	super	NA	0.177
s96t001023	7	1	1	del.sup	960301	super	NA	0.210
s96t001023	7	1	2	del.sup	960301	super	NA	0.215
s96t001030	7	1	1	del.qa	960301	super	9.24	NA
s96t001030	7	1	2	del.qa	960301	super	9.48	NA
s96t001030	7	1	1	del.qa	960301	super	19.30	NA
s96t001559	7	1	1	del.qa	960301	super	21.28	NA
s96t001030	7	1	2	del.qa	960301	super	22.40	NA
s96t001561	7	1	1	del.qa	960301	super	25.90	NA
s96t001559	7	1	2	del.qa	960301	super	26.12	NA
s96t001561	7	1	2	del.qa	960301	super	26.70	NA
s96t001553	7	1	2	del.qa	960301	super	30.11	NA
s96t001034	7	1	2	del.qa	960301	super	30.91	NA
s96t001034	7	1	1	del.qa	960301	super	31.29	NA
s96t001553	7	1	1	del.sup	960301	super	72.40	NA
s96t001566	7	1	1	del.sup	960301	super	74.92	NA
s96t001566	7	1	2	del.sup	960301	super	76.60	NA
s96t001560	7	1	2	del.sup	960301	super	NA	1.350
s96t001560	7	1	1	del.sup	960301	super	NA	1.600
s96t002351	7	1	2	del.qa	960301	super	54.56	NA
s96t002351	7	1	1	del.qa	960301	super	56.03	NA
s96t002350	7	1	2	del.qa	960301	super	63.26	NA
s96t002350	7	1	1	del.qa	960301	super	65.05	NA
s96t002831	7	1	1	del.qa	960301	super	83.85	NA
s96t002831	7	1	2	del.qa	960301	super	85.53	NA
s96t002825	7	1	2	del.qa	960301	super	90.16	NA
s96t002827	7	1	2	del.qa	960301	super	93.40	NA
s96t002827	7	1	1	del.qa	960301	super	95.08	NA
s96t002829	7	1	1	del.qa	960301	super	95.69	NA
s96t002825	7	1	1	del.qa	960301	super	95.78	NA
s96t002829	7	1	2	del.qa	960301	super	96.02	NA
s96t001551	7	1	2	del.qa	960301	super	NA	2.850
s96t001551	7	1	1	del.qa	960301	super	NA	2.970

Summary for Tank c107

Tank Statistics

wet.waste.vol	=	897	dry.mu.top	=	-5.138
wet.vol.top	=	82.09	dry.mu.bot	=	-5.127
wet.vol.bot	=	815	dry.sterr.top	=	0.4653
dry.waste.vol	=	415.7	dry.sterr.bot	=	0.2719
dry.vol.top	=	35.94	dry.corr	=	0.274
dry.vol.bot	=	379.7	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	7
h2o.mu.top	=	0.25	toc.mu.top	=	-5.965
h2o.mu.bot	=	0.1364	toc.mu.bot	=	-5.941
h2o.sterr.top	=	0.2689	toc.sterr.top	=	0.457
h2o.sterr.bot	=	0.1696	toc.sterr.bot	=	0.2549
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	10	toc.nobs	=	7
h2o.mu	=	0.183	toc.mu	=	-6.117
rw.h2o.mu	=	1.407	rw.toc.mu	=	4.739
h2o.grp	=	dry.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	0	0	3.6e-17	4.41e-15
Dry	5.34e-08	9.82e-08	1.86e-07	3.74e-07	8.83e-07	1.82e-06	6.8e-06	0.52

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000424	3	1	2	950310	surfa	70.28	NA				
s95t000424	3	1	2	950310	surfa	70.23	NA				
s95t000429	3	1	2	950310	surfa	50.66	NA				
s95t000429	3	1	2	950310	surfa	51.15	NA				
s97t000857	3	1	2	950310	surfa	NA	0.020				
s97t000857	3	1	2	950310	surfa	NA	0.028				
					c107r3s1	60.6	*****	0.06	1.782	-1.626	-5.806
s95t000425	3	2	2	950310	sub-s	58.89	NA				
s95t000425	3	2	2	950310	sub-s	59.50	NA				
s95t000430	3	2	2	950310	sub-s	48.76	NA				
s95t000430	3	2	2	950310	sub-s	49.35	NA				
					c107r3s2	54.1	NA	NA	1.733	NA	NA

s95t000426	3	3	2	950310	sub-s	38.52	NA				
s95t000426	3	3	2	950310	sub-s	36.86	NA				
s95t000431	3	3	2	950310	sub-s	35.84	NA				
s95t000431	3	3	2	950310	sub-s	34.84	NA				
s95t000435	3	3	2	950310	sub-s	78.71	NA				
s95t000435	3	3	2	950310	sub-s	79.04	NA				
s97t000860	3	3	2	950310	sub-s	NA	0.048				
s97t000860	3	3	2	950310	sub-s	NA	0.038				
s97t000861	3	3	2	950310	sub-s	NA	0.043				
s97t000861	3	3	2	950310	sub-s	NA	0.042				
				c107r3s3		36.5	*****	0.067	1.562	-1.37	-5.693
s95t000427	3	4	2	950310	sub-s	51.76	NA				
s95t000427	3	4	2	950310	sub-s	51.90	NA				
s95t000432	3	4	2	950310	sub-s	62.89	NA				
s95t000432	3	4	2	950310	sub-s	64.18	NA				
s97t000862	3	4	2	950310	sub-s	NA	0.041				
s97t000862	3	4	2	950310	sub-s	NA	0.052				
s97t000863	3	4	2	950310	sub-s	NA	0.047				
s97t000863	3	4	2	950310	sub-s	NA	0.049				
				c107r3s4		57.7	*****	0.112	1.761	-1.326	-5.184
s95t000428	3	5	2	950310	sub-s	54.92	NA				
s95t000428	3	5	2	950310	sub-s	49.77	NA				
s95t000433	3	5	2	950310	sub-s	57.84	NA				
s95t000433	3	5	2	950310	sub-s	57.47	NA				
s97t000864	3	5	2	950310	sub-s	NA	0.046				
s97t000864	3	5	2	950310	sub-s	NA	0.052				
s97t000865	3	5	2	950310	sub-s	NA	0.056				
s97t000865	3	5	2	950310	sub-s	NA	0.054				
				c107r3s5		55	*****	0.116	1.74	-1.282	-5.143
s95t000256	7	1	2	950303	surfa	64.05	NA				
s95t000256	7	1	2	950303	surfa	62.88	NA				
s95t000374	7	1	2	950303	surfa	61.84	NA				
s95t000374	7	1	2	950303	surfa	62.75	NA				
				c107r7s1		62.9	NA	NA	1.799	NA	NA
s95t000370	7	2	2	950303	sub-s	57.67	NA				
s95t000370	7	2	2	950303	sub-s	57.98	NA				
s95t000375	7	2	2	950303	sub-s	41.46	NA				
s95t000375	7	2	2	950303	sub-s	41.26	NA				
				c107r7s2		49.6	NA	NA	1.695	NA	NA
s95t000371	7	3	2	950303	sub-s	31.98	NA				

s95t000371	7	3	2	950303	sub-s	31.87	NA				
s95t000376	7	3	3	950303	sub-s	48.10	NA				
s95t000376	7	3	3	950303	sub-s	56.15	NA				
s95t000376	7	3	3	950303	sub-s	48.66	NA				
s97t000850	7	3	2	950303	sub-s	NA	0.042				
s97t000850	7	3	2	950303	sub-s	NA	0.050				
					c107r7s3	43.4	*****	0.081	1.637	-1.338	-5.505
s95t000372	7	4	2	950303	sub-s	49.74	NA				
s95t000372	7	4	2	950303	sub-s	50.76	NA				
s95t000377	7	4	2	950303	sub-s	63.87	NA				
s95t000377	7	4	2	950303	sub-s	62.58	NA				
s97t000852	7	4	2	950303	sub-s	NA	0.045				
s97t000852	7	4	2	950303	sub-s	NA	0.044				
s97t000853	7	4	3	950303	sub-s	NA	0.137				
s97t000853	7	4	3	950303	sub-s	NA	0.086				
s97t000853	7	4	3	950303	sub-s	NA	0.042				
					c107r7s4	56.7	0.071	0.164	1.754	-1.149	-4.795
s95t000373	7	5	2	950303	sub-s	66.90	NA				
s95t000373	7	5	2	950303	sub-s	66.58	NA				
s95t000378	7	5	2	950303	sub-s	68.69	NA				
s95t000378	7	5	2	950303	sub-s	70.64	NA				
s97t000854	7	5	2	950303	sub-s	NA	0.048				
s97t000854	7	5	2	950303	sub-s	NA	0.042				
s97t000855	7	5	2	950303	sub-s	NA	0.030				
s97t000855	7	5	2	950303	sub-s	NA	0.038				
					c107r7s5	68.2	*****	0.124	1.834	-1.405	-5.078

Summary for Tank c108

Tank Statistics

wet.waste.vol	=	249.8	dry.mu.top	=	-4.776
wet.vol.top	=	82.09	dry.mu.bot	=	-4.637
wet.vol.bot	=	167.7	dry.sterr.top	=	0.3755
dry.waste.vol	=	181	dry.sterr.bot	=	0.637
dry.vol.top	=	60.7	dry.corr	=	0.4464
dry.vol.bot	=	120.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-1.043	toc.mu.top	=	-5.16
h2o.mu.bot	=	-0.9306	toc.mu.bot	=	-5.175
h2o.sterr.top	=	0.279	toc.sterr.top	=	0.3553
h2o.sterr.bot	=	0.4428	toc.sterr.bot	=	0.6511
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	3
h2o.mu	=	-1.136	toc.mu	=	-5.244
rw.h2o.mu	=	0.1085	rw.toc.mu	=	4.518
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.68e-12	9.27e-12	4.35e-11	3.9e-10	4.67e-09	5.32e-08	1.49e-06	5.91e-05
Dry	1.68e-06	3.95e-06	9.82e-06	2.87e-05	0.000119	0.000385	0.00253	0.319

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
NA	3	1	2	940602	surfa	19.90	NA				
NA	3	1	1	940602	surfa	22.10	NA				
NA	3	1	2	940602	surfa	NA	0.340				
NA	3	1	1	940602	surfa	NA	0.355				
					c108r3s1	21	0.347	0.44	1.322	-0.459	-3.795
s94t000292	4	1	1	941118	surfa	32.97	NA				
s94t000292	4	1	2	941118	surfa	39.15	NA				
s94t000291	4	1	1	941118	surfa	45.76	NA				
s94t000291	4	1	2	941118	surfa	46.28	NA				
s94t000332	4	1	1	941118	surfa	NA	0.154				
s94t000332	4	1	2	941118	surfa	NA	0.184				
s94t000361	4	1	2	941212	surfa	46.80	NA				

s94t000364	4	1	1	941212	surfa	47.79	NA				
s94t000362	4	1	1	941212	surfa	48.57	NA				
s94t000364	4	1	2	941212	surfa	49.23	NA				
s94t000362	4	1	2	941212	surfa	50.45	NA				
s94t000361	4	1	1	941212	surfa	51.85	NA				
s94t000363	4	1	2	941212	surfa	52.41	NA				
s94t000363	4	1	1	941212	surfa	52.97	NA				
s94t000385	4	1	2	941212	surfa	NA	0.076				
s94t000384	4	1	1	941212	surfa	NA	0.080				
s94t000385	4	1	1	941212	surfa	NA	0.092				
s94t000384	4	1	2	941212	surfa	NA	0.113				
					c108r4s1	47	0.117	0.22	1.672	-0.933	-4.498
s94t000288	7	1	2	941118	surfa	2.99	NA				
s94t000288	7	1	3	941118	surfa	6.01	NA				
s94t000290	7	1	1	941118	surfa	9.94	NA				
s94t000290	7	1	3	941118	surfa	11.98	NA				
s94t000288	7	1	1	941118	surfa	15.35	NA				
s94t000290	7	1	2	941118	surfa	27.66	NA				
s94t000331	7	1	1	941118	surfa	NA	0.019				
s94t000331	7	1	2	941118	surfa	NA	0.038				
					c108r7s1	12.3	*****	0.032	1.091	-1.547	-6.426

Summary for Tank c109

Tank Statistics

wet.waste.vol	=	234.7	dry.mu.top	=	-3.934
wet.vol.top	=	82.09	dry.mu.bot	=	-4.005
wet.vol.bot	=	152.6	dry.sterr.top	=	0.3755
dry.waste.vol	=	147.4	dry.sterr.bot	=	0.637
dry.vol.top	=	54.71	dry.corr	=	0.4464
dry.vol.bot	=	92.65	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-0.6925	toc.mu.top	=	-4.416
h2o.mu.bot	=	-0.4356	toc.mu.bot	=	-4.605
h2o.sterr.top	=	0.2453	toc.sterr.top	=	0.3553
h2o.sterr.bot	=	0.4307	toc.sterr.bot	=	0.6511
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	3
h2o.mu	=	-0.7271	toc.mu	=	-4.366
rw.h2o.mu	=	0.3095	rw.toc.mu	=	4.553
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.69e-10	6.22e-10	2.28e-09	9.36e-09	6.68e-08	4.32e-07	8.99e-06	0.00192
Dry	0.000129	0.000236	0.000449	0.000941	0.00264	0.00603	0.024	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
93-01365-j1	2	1	1	920906	surfa	NA	0.17				
93-01365-j1	2	1	2	920906	surfa	NA	0.19				
93-01366-j1	2	1	1	920906	surfa	NA	0.21				
93-01366-j1	2	1	2	920906	surfa	NA	0.23				
93-01367-j1	2	1	2	920906	surfa	NA	0.25				
93-01367-j1	2	1	1	920906	surfa	NA	0.26				
93-01322	2	1	2	920906	surfa	31.3	NA				
93-01322	2	1	1	920906	surfa	28.7	NA				
93-03123	2	1	2	920906	surfa	44.7	NA				
93-03123	2	1	1	920906	surfa	42.9	NA				
93-03124	2	1	2	920906	surfa	38.7	NA				
93-03124	2	1	1	920906	surfa	39.0	NA				
				c109r2s1		37.6	****	0.35	1.575	-0.661	-4.029

93-01356-j1	6	1	1	920902	surfa	NA	0.20					
93-01355-j1	6	1	2	920902	surfa	NA	0.21					
93-01355-j1	6	1	1	920902	surfa	NA	0.22					
93-01357-j1	6	1	1	920902	surfa	NA	0.22					
93-01355	6	1	1	920902	surfa	19.3	NA					
93-03117	6	1	2	920902	surfa	28.2	NA					
93-03117	6	1	1	920902	surfa	28.0	NA					
93-03118	6	1	2	920902	surfa	35.4	NA					
93-03118	6	1	1	920902	surfa	35.9	NA					
93-03119	6	1	2	920902	surfa	26.2	NA					
93-03119	6	1	1	920902	surfa	26.7	NA					
					c109r6s1	28.5	****	0.297	1.455	-0.673	-4.194	
93-01361-j1	7	1	1	920904	surfa	NA	0.30					
93-01361-j1	7	1	2	920904	surfa	NA	0.31					
93-01361-j1	7	1	2	920904	surfa	NA	0.32					
93-01360-j1	7	1	1	920904	surfa	NA	0.35					
93-01361-j1	7	1	1	920904	surfa	NA	0.38					
93-01360-j1	7	1	2	920904	surfa	NA	0.38					
93-03121	7	1	2	920904	surfa	46.9	NA					
93-03121	7	1	1	920904	surfa	49.6	NA					
					c109r7s1	48.2	0.34	0.657	1.683	-0.469	-3.382	
93-01365	8	1	1	920906	surfa	19.6	NA					
					c109r8s1	19.6	NA	NA	1.292	NA	NA	
93-01354-c1	na6	999	2	920902	sub-s	NA	0.27					
				c109rna69s999		NA	NA	NA	NA	NA	NA	
93-01354-c1	na7	999	1	920902	sub-s	NA	0.25					
				c109rna70s999		NA	NA	NA	NA	NA	NA	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
93-01356-j1	6	1	2	del.dup	920902	surfa	NA	0.20
93-01357-j1	6	1	2	del.dup	920902	surfa	NA	0.22

Summary for Tank c110

Tank Statistics

wet.waste.vol	=	673.7	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	591.6	dry.sterr.top	=	0.8727
dry.waste.vol	=	291	dry.sterr.bot	=	0.8727
dry.vol.top	=	38.37	dry.corr	=	0.7572
dry.vol.bot	=	252.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	0.1304	toc.mu.top	=	-4.696
h2o.mu.bot	=	0.2944	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3225	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.1955	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	7	toc.nobs	=	0
h2o.mu	=	0.2996	toc.mu	=	NaN
rw.h2o.mu	=	1.894	rw.toc.mu	=	4.822
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.25e-14	4.87e-13	7.08e-12	1.07e-10	2.55e-09	5.92e-08	5.51e-06	0.000612
Dry	3.36e-05	0.000107	0.000351	0.00121	0.00566	0.0167	0.086	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
599	2	2	1	920415	sub-s	53.2	NA				
624	2	2	2	920415	sub-s	56.6	NA				
624	2	2	1	920415	sub-s	61.9	NA				
					c110r2s2	57.2	NA	NA	1.758	NA	NA
600	2	3	1	920415	sub-s	52.6	NA				
626	2	3	1	920415	sub-s	60.3	NA				
626	2	3	2	920415	sub-s	60.9	NA				
775	2	3	2	920415	sub-s	NA	0.065				
775	2	3	1	920415	sub-s	NA	0.066				
					c110r2s3	57.9	NA	NA	1.763	NA	NA
601	2	4	1	920415	sub-s	49.3	NA				

628	2	4	1	920415	sub-s	60.4	NA					
					c110r2s4	54.8	NA	NA	1.739	NA	NA	
589	5	2	1	920414	sub-s	50.1	NA					
582	5	2	2	920414	sub-s	59.6	NA					
582	5	2	1	920414	sub-s	61.1	NA					
					c110r5s2	56.9	NA	NA	1.755	NA	NA	
783	5	3	1	920414	sub-s	NA	0.040					
783	5	3	2	920414	sub-s	NA	0.041					
					c110r5s3	NA	NA	NA	NA	NA	NA	
591	5	4	1	920414	sub-s	50.6	NA					
586	5	4	1	920414	sub-s	56.8	NA					
586	5	4	2	920414	sub-s	60.4	NA					
					c110r5s4	55.9	NA	NA	1.748	NA	NA	
593	7	1	1	920415	surfa	54.2	NA					
613	7	1	1	920415	surfa	59.8	NA					
613	7	1	2	920415	surfa	62.5	NA					
					c110r7s1	58.8	NA	NA	1.77	NA	NA	
596	7	4	1	920415	sub-s	53.8	NA					
619	7	4	1	920415	sub-s	62.5	NA					
619	7	4	2	920415	sub-s	64.5	NA					
778	7	4	1	920415	sub-s	NA	0.055					
778	7	4	2	920415	sub-s	NA	0.055					
					c110r7s4	60.3	NA	NA	1.78	NA	NA	
800(1)	na7	999	2	920414	sub-s	NA	0.049					
					c110rna71s999	NA	NA	NA	NA	NA	NA	
800(1)	na7	999	1	920414	sub-s	NA	0.040					
					c110rna72s999	NA	NA	NA	NA	NA	NA	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
628	2	4	2	del.dup	920415	sub-s	60.4	NA

Summary for Tank c111

Tank Statistics

wet.waste.vol	=	215.7	dry.mu.top	=	-4.65
wet.vol.top	=	82.09	dry.mu.bot	=	-4.542
wet.vol.bot	=	133.7	dry.sterr.top	=	0.5556
dry.waste.vol	=	140.9	dry.sterr.bot	=	0.7085
dry.vol.top	=	54.5	dry.corr	=	0.5939
dry.vol.bot	=	86.42	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.6809	toc.mu.top	=	-5.16
h2o.mu.bot	=	-0.6041	toc.mu.bot	=	-5.175
h2o.sterr.top	=	0.3321	toc.sterr.top	=	0.5402
h2o.sterr.bot	=	0.4712	toc.sterr.bot	=	0.7217
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	1
h2o.mu	=	-0.7444	toc.mu	=	-5.412
rw.h2o.mu	=	0.2335	rw.toc.mu	=	4.54
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.8e-13	2e-12	1.28e-11	9.45e-11	1.72e-09	2.83e-08	1.12e-06	0.000363
Dry	3.99e-06	1.05e-05	2.83e-05	8.53e-05	0.000362	0.00112	0.00691	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000122	2	1	3	950117	surfa	22.15	NA				
s95t000122	2	1	1	950117	surfa	26.54	NA				
s95t000122	2	1	2	950117	surfa	35.50	NA				
					c111r2s1	28.1	NA	NA	1.448	NA	NA
s95t000570	6	1	1	950325	surfa	28.01	NA				
s95t000570	6	1	2	950325	surfa	28.24	NA				
s95t000571	6	1	3	950325	surfa	38.47	NA				
s95t000571	6	1	2	950325	surfa	38.58	NA				
s95t000572	6	1	1	950325	surfa	44.23	NA				
s95t000572	6	1	2	950325	surfa	44.25	NA				
s95t000571	6	1	1	950325	surfa	44.74	NA				
s95t000570	6	1	1	950325	surfa	NA	0.064				

s95t000570	6	1	2	950325	surfa	NA	0.072				
s95t000572	6	1	2	950325	surfa	NA	0.089				
s95t000572	6	1	1	950325	surfa	NA	0.091				
s95t000571	6	1	1	950325	surfa	NA	0.122				
s95t000571	6	1	2	950325	surfa	NA	0.128				
k211	6	1	1	940411	surfa	30.80	NA				
k211	6	1	2	940411	surfa	32.50	NA				
k211	6	1	1	940411	surfa	NA	0.071				
k211	6	1	2	940411	surfa	NA	0.074				
					c111r6s1	36.6	*****	0.14	1.564	-1.051	-4.952

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000577	3	1	1	del.qa	950325	surfa	0.0	NA
s95t000577	3	1	2	del.qa	950325	surfa	0.0	NA
k218	3	1	1	del.qa	940422	surfa	0.0	NA
k218	3	1	2	del.qa	940422	surfa	0.0	NA
s95t000577	3	1	2	del.qa	950325	surfa	1.6	NA
s95t000577	3	1	1	del.qa	950325	surfa	1.6	NA

Summary for Tank c112

Tank Statistics

wet.waste.vol	=	393.6	dry.mu.top	=	-3.246
wet.vol.top	=	82.09	dry.mu.bot	=	-3.624
wet.vol.bot	=	311.6	dry.sterr.top	=	0.3979
dry.waste.vol	=	211.2	dry.sterr.bot	=	0.3519
dry.vol.top	=	43.61	dry.corr	=	0.2975
dry.vol.bot	=	167.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	5
h2o.mu.top	=	-0.1252	toc.mu.top	=	-3.827
h2o.mu.bot	=	-0.1525	toc.mu.bot	=	-4.265
h2o.sterr.top	=	0.3475	toc.sterr.top	=	0.3821
h2o.sterr.bot	=	0.3006	toc.sterr.bot	=	0.3343
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	3	toc.nobs	=	5
h2o.mu	=	-0.1123	toc.mu	=	-4.003
rw.h2o.mu	=	0.7135	rw.toc.mu	=	4.621
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.98e-10	8.92e-10	3.54e-09	1.29e-08	7.32e-08	2.87e-07	4.93e-06	0.000109
Dry	0.00128	0.00182	0.00261	0.00392	0.00664	0.0101	0.0182	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
92-06733-c1	2	1	1	920319	surfa	NA	0.39				
92-06733-c1	2	1	2	920319	surfa	NA	0.59				
					c112r2s1	46.9	0.49	0.922	1.671	-0.31	-3.029
92-06734-c1	2	2	1	920319	sub-s	NA	0.28				
92-06735-c1	2	2	1	920319	sub-s	NA	0.30				
92-06734-c1	2	2	2	920319	sub-s	NA	0.32				
92-06735-c1	2	2	2	920319	sub-s	NA	0.32				
92-06736-c1	2	2	2	920319	sub-s	NA	0.38				
92-06736-c1	2	2	1	920319	sub-s	NA	0.41				
					c112r2s2	46.2	****	0.623	1.665	-0.475	-3.438
92-08169-b1	7	2	1	920322	sub-s	NA	0.10				

92-08169-b1	7	2	2	920322	sub-s	NA	0.13				
92-08169-c1	7	2	1	920322	sub-s	NA	0.22				
92-08169-c1	7	2	2	920322	sub-s	NA	0.29				
92-08170	7	2	2	920322	sub-s	42.1	NA				
92-08170	7	2	1	920322	sub-s	41.6	NA				
					c112r7s2	41.9	****	0.318	1.622	-0.733	-4.125
92-06762-c1	8	1	1	920324	surfa	NA	0.48				
92-06762-c1	8	1	2	920324	surfa	NA	0.50				
92-06761-c1	8	1	1	920324	surfa	NA	0.77				
92-06761-c1	8	1	2	920324	surfa	NA	0.86				
92-06761	8	1	2	920324	surfa	48.5	NA				
92-06761	8	1	1	920324	surfa	51.6	NA				
92-06762	8	1	2	920324	surfa	54.2	NA				
92-06762	8	1	1	920324	surfa	53.4	NA				
					c112r8s1	51.9	****	1.357	1.715	-0.185	-2.62
92-06766-c1	8	2	1	920324	sub-s	NA	0.21				
92-06766-c1	8	2	2	920324	sub-s	NA	0.25				
92-06764-c1	8	2	1	920324	sub-s	NA	0.27				
92-06765-c1	8	2	2	920324	sub-s	NA	0.28				
92-06765-c1	8	2	1	920324	sub-s	NA	0.30				
92-06763-c1	8	2	2	920324	sub-s	NA	0.38				
92-06763-c1	8	2	1	920324	sub-s	NA	0.39				
92-06763	8	2	2	920324	sub-s	55.2	NA				
92-06763	8	2	1	920324	sub-s	53.5	NA				
92-06764	8	2	2	920324	sub-s	40.1	NA				
92-06764	8	2	1	920324	sub-s	42.4	NA				
92-06765	8	2	2	920324	sub-s	43.6	NA				
92-06765	8	2	1	920324	sub-s	46.7	NA				
92-06766	8	2	2	920324	sub-s	51.7	NA				
92-06766	8	2	1	920324	sub-s	49.8	NA				
					c112r8s2	47.9	****	0.57	1.68	-0.527	-3.529

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
92-06764-c1	8	2	2	del.dup	920324	sub-s	NA	0.27

Summary for Tank c201

Tank Statistics

wet.waste.vol	=	7.57	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	1.733	dry.sterr.top	=	1.046
dry.waste.vol	=	4.468	dry.sterr.bot	=	1.046
dry.vol.top	=	3.46	dry.corr	=	0.831
dry.vol.bot	=	1.008	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4322	rw.toc.mu	=	4.573
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.6e-11	1.87e-10	2.88e-09	5.6e-08	3.42e-06	4.4e-05	0.00274	0.168
Dry	9.8e-05	0.000367	0.00132	0.00503	0.024	0.0696	0.255	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000895	7	1	1	del.sp	950615	surfa	11.46	NA
s95t000895	7	1	1	del.sp	950615	surfa	NA	4.57
s95t000895	7	1	1	del.sp	950615	surfa	10.69	NA
s95t000895	7	1	1	del.sp	950615	surfa	NA	3.77
s95t000895	7	1	2	del.sp	950615	surfa	10.53	NA
s95t000895	7	1	2	del.sp	950615	surfa	NA	4.10

Summary for Tank c202

Tank Statistics

wet.waste.vol	=	3.785	dry.mu.top	=	-4.046
wet.vol.top	=	3.785	dry.mu.bot	=	-4.046
wet.vol.bot	=	0	dry.sterr.top	=	1.046
dry.waste.vol	=	2.244	dry.sterr.bot	=	1.046
dry.vol.top	=	2.244	dry.corr	=	0.831
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4212	rw.toc.mu	=	4.572
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.54e-14	4.46e-13	2.43e-11	1.96e-09	2.18e-07	6.16e-06	0.000646	0.0249
Dry	4.82e-05	0.000207	0.000856	0.00373	0.0208	0.0645	0.279	1

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000902	7	1	2	del.sp	950505	surfa	4.88	NA
s95t000902	7	1	1	del.sp	950505	surfa	5.39	NA
s95t000902	7	1	1	del.sp	950505	surfa	NA	2.96
s95t000902	7	1	2	del.sp	950505	surfa	NA	4.38
s95t000904	7	1	2	del.sp	950505	surfa	6.49	NA
s95t000904	7	1	1	del.sp	950505	surfa	6.96	NA
s95t000904	7	1	1	del.sp	950505	surfa	NA	2.00
s95t000904	7	1	2	del.sp	950505	surfa	NA	2.42
s98t000037	222	999	1	del.sp	980430	sub-s	13.88	NA
s98t000037	222	999	2	del.sp	980430	sub-s	14.78	NA
s98t001162	222	999	2	del.sp	980430	sub-s	19.55	NA
s98t001162	222	999	1	del.sp	980430	sub-s	21.19	NA

s98t001215	222	999	1	del.sp	980430	sub-s	21.77	NA
s98t000841	222	999	1	del.sp	980430	sub-s	22.09	NA
s98t001215	222	999	2	del.sp	980430	sub-s	22.35	NA
s98t000841	222	999	2	del.sp	980430	sub-s	23.24	NA
s98t000841	222	999	2	del.sp	980430	sub-s	NA	2.13
s98t000841	222	999	1	del.sp	980430	sub-s	NA	2.34
s98t000842	222	999	2	del.sp	980430	sub-s	NA	2.61
s98t000842	222	999	1	del.sp	980430	sub-s	NA	2.69
s98t000037	222	999	2	del.sp	980430	sub-s	NA	2.71
s98t000037	222	999	1	del.sp	980430	sub-s	NA	2.83
s98t001215	222	999	2	del.sp	980430	sub-s	NA	4.73
s98t001162	222	999	1	del.sp	980430	sub-s	NA	5.27
s98t001162	222	999	2	del.sp	980430	sub-s	NA	5.98
s98t001215	222	999	1	del.sp	980430	sub-s	NA	6.19
s98t001163	222	999	2	del.sp	980430	sub-s	NA	7.49
s98t001163	222	999	1	del.sp	980430	sub-s	NA	7.65

Summary for Tank c203

Tank Statistics

wet.waste.vol	=	18.93	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	13.09	dry.sterr.top	=	1.046
dry.waste.vol	=	11.07	dry.sterr.bot	=	1.046
dry.vol.top	=	3.46	dry.corr	=	0.831
dry.vol.bot	=	7.61	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4543	rw.toc.mu	=	4.577
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.04e-11	4.77e-10	1.01e-08	2.15e-07	7.12e-06	0.000109	0.00787	0.67
Dry	0.000104	0.000389	0.0014	0.00523	0.0246	0.0712	0.252	0.729

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000811	7	1	1	del.sp	950405	surfa	30.98	NA
s95t000811	7	1	2	del.sp	950405	surfa	31.78	NA
s95t000807	7	1	2	del.sp	950405	surfa	33.26	NA
s95t000807	7	1	3	del.sp	950405	surfa	39.80	NA
s95t000807	7	1	1	del.sp	950405	surfa	41.04	NA
s95t000799	7	1	1	del.sp	950405	surfa	33.67	NA
s95t000799	7	1	2	del.sp	950405	surfa	36.66	NA
s95t000803	7	1	2	del.sp	950405	surfa	49.03	NA
s95t000803	7	1	1	del.sp	950405	surfa	52.12	NA

Summary for Tank c204

Tank Statistics

wet.waste.vol	=	11.36	dry.mu.top	=	-4.046
wet.vol.top	=	5.837	dry.mu.bot	=	-4.046
wet.vol.bot	=	5.518	dry.sterr.top	=	1.046
dry.waste.vol	=	6.669	dry.sterr.bot	=	1.046
dry.vol.top	=	3.46	dry.corr	=	0.831
dry.vol.bot	=	3.208	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.483
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.606
h2o.sterr.top	=	0.8158	toc.sterr.top	=	1.099
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	1.097
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4444	rw.toc.mu	=	4.576
h2o.grp	=	dry.sludge	toc.grp	=	s

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.02e-11	3.95e-10	7.14e-09	1.56e-07	7.34e-06	7.94e-05	0.00852	0.212
Dry	0.000109	0.000405	0.00145	0.00541	0.0252	0.0687	0.242	0.902

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t000878	7	1	2	del.sp	950502	surfa	50.44	NA
s95t000881	7	1	1	del.sp	950502	surfa	55.02	NA
s95t000881	7	1	2	del.sp	950502	surfa	56.39	NA
s95t000878	7	1	1	del.sp	950502	surfa	58.32	NA
s95t000878	7	1	3	del.sp	950502	surfa	59.50	NA
s95t000961	7	1	2	del.sp	950502	surfa	NA	13.00
s95t000961	7	1	1	del.sp	950502	surfa	NA	14.80
s95t000890	7	1	2	del.sp	950502	surfa	56.08	NA
s95t000890	7	1	1	del.sp	950502	surfa	59.92	NA
s95t000963	7	1	1	del.sp	950502	surfa	NA	9.18
s95t000963	7	1	2	del.sp	950502	surfa	NA	14.40
s95t000963	7	1	2	del.sp	950905	surfa	NA	1.38

Summary for Tank s101

Tank Statistics

wet.waste.vol	=	1571	dry.mu.top	=	-3.92
wet.vol.top	=	82.09	dry.mu.bot	=	-3.927
wet.vol.bot	=	1489	dry.sterr.top	=	0.6662
dry.waste.vol	=	981	dry.sterr.bot	=	0.443
dry.vol.top	=	48.4	dry.corr	=	0.5123
dry.vol.bot	=	932.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.3623	toc.mu.top	=	-4.311
h2o.mu.bot	=	-0.517	toc.mu.bot	=	-4.433
h2o.sterr.top	=	0.395	toc.sterr.top	=	0.6798
h2o.sterr.bot	=	0.146	toc.sterr.bot	=	0.422
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	2
h2o.mu	=	-0.5062	toc.mu	=	-4.431
rw.h2o.mu	=	0.3109	rw.toc.mu	=	4.553
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.89e-10	3.51e-09	1.32e-08	7.43e-08	4.39e-07	1.97e-06	6.79e-05	0.00247
Dry	0.00013	0.000235	0.000429	0.000844	0.00203	0.00386	0.011	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t002069	11	4	1	NA	sub-s	39.90	NA				
s96t002070	11	4	1	NA	sub-s	41.15	NA				
s96t002069	11	4	2	NA	sub-s	40.20	NA				
s96t002070	11	4	2	NA	sub-s	40.88	NA				
s96t002069	11	4	1	960403	sub-s	39.90	NA				
s96t002069	11	4	2	960403	sub-s	40.20	NA				
s96t002070	11	4	2	960403	sub-s	40.88	NA				
s96t002070	11	4	1	960403	sub-s	41.15	NA				
					s101r11s4	40.5	NA	NA	1.608	NA	NA
s96t002071	11	5	1	NA	sub-s	48.32	NA				
s96t002072	11	5	1	NA	sub-s	44.34	NA				
s96t002071	11	5	2	NA	sub-s	47.77	NA				

s96t002072	11	5	2	NA	sub-s	37.09	NA				
s96t002072	11	5	2	960403	sub-s	37.09	NA				
s96t002072	11	5	1	960403	sub-s	44.34	NA				
s96t002071	11	5	2	960403	sub-s	47.77	NA				
s96t002071	11	5	1	960403	sub-s	48.32	NA				
					s101r11s5	44.4	NA	NA	1.647	NA	NA
s96t002073	11	6	1	NA	sub-s	38.87	NA				
s96t002074	11	6	1	NA	sub-s	37.42	NA				
s96t002073	11	6	2	NA	sub-s	41.22	NA				
s96t002074	11	6	2	NA	sub-s	35.97	NA				
s96t002074	11	6	2	960403	sub-s	35.97	NA				
s96t002074	11	6	1	960403	sub-s	37.42	NA				
s96t002073	11	6	1	960403	sub-s	38.87	NA				
s96t002073	11	6	2	960403	sub-s	41.22	NA				
					s101r11s6	38.4	NA	NA	1.584	NA	NA
s96t002075	11	7	1	NA	sub-s	37.23	NA				
s96t002075	11	7	1	NA	sub-s	42.79	NA				
s96t002076	11	7	1	NA	sub-s	36.99	NA				
s96t002075	11	7	2	NA	sub-s	20.74	NA				
s96t002075	11	7	2	NA	sub-s	41.10	NA				
s96t002076	11	7	2	NA	sub-s	36.14	NA				
s96t002075	11	7	2	960403	sub-s	20.74	NA				
s96t002076	11	7	2	960403	sub-s	36.14	NA				
s96t002076	11	7	1	960403	sub-s	36.99	NA				
s96t002075	11	7	1	960403	sub-s	37.23	NA				
s96t002075	11	7	2	960403	sub-s	41.10	NA				
s96t002075	11	7	1	960403	sub-s	42.79	NA				
					s101r11s7	35.8	NA	NA	1.554	NA	NA
s96t002077	11	8	1	NA	sub-s	29.25	NA				
s96t002078	11	8	1	NA	sub-s	33.74	NA				
s96t002077	11	8	2	NA	sub-s	27.86	NA				
s96t002078	11	8	2	NA	sub-s	32.27	NA				
s96t002077	11	8	2	960403	sub-s	27.86	NA				
s96t002077	11	8	1	960403	sub-s	29.25	NA				
s96t002078	11	8	2	960403	sub-s	32.27	NA				
s96t002078	11	8	1	960403	sub-s	33.74	NA				
					s101r11s8	30.8	NA	NA	1.488	NA	NA
s96t002728	11	999	2	NA	sub-s	NA	0.601				
s96t002728	11	999	3	NA	sub-s	41.01	NA				
s96t002728	11	999	1	NA	sub-s	45.59	NA				
s96t002728	11	999	2	NA	sub-s	37.13	NA				
s96t002728	11	999	1	NA	sub-s	NA	0.310				

s96t002728	11	999	2	NA	sub-s	NA	0.317				
s96t002728	11	999	1	NA	sub-s	NA	0.590				
				s101r11s999		41.2	0.454	0.774	1.615	-0.342	-3.213
s96t001889	6	5	1	NA	sub-s	48.80	NA				
s96t001898	6	5	1	NA	sub-s	39.07	NA				
s96t001889	6	5	2	NA	sub-s	49.14	NA				
s96t001898	6	5	2	NA	sub-s	38.84	NA				
s96t001898	6	5	2	960326	sub-s	38.84	NA				
s96t001898	6	5	1	960326	sub-s	39.07	NA				
s96t001889	6	5	1	960326	sub-s	48.80	NA				
s96t001889	6	5	2	960326	sub-s	49.14	NA				
				s101r6s5		44	NA	NA	1.643	NA	NA
s96t001958	6	6	1	NA	sub-s	23.21	NA				
s96t001958	6	6	1	NA	sub-s	38.84	NA				
s96t001959	6	6	1	NA	sub-s	68.84	NA				
s96t001959	6	6	1	NA	sub-s	36.38	NA				
s96t001958	6	6	2	NA	sub-s	38.67	NA				
s96t001958	6	6	2	NA	sub-s	39.54	NA				
s96t001959	6	6	2	NA	sub-s	37.11	NA				
s96t001959	6	6	2	NA	sub-s	36.81	NA				
s96t001958	6	6	1	960326	sub-s	23.21	NA				
s96t001959	6	6	1	960326	sub-s	36.38	NA				
s96t001959	6	6	2	960326	sub-s	36.81	NA				
s96t001959	6	6	2	960326	sub-s	37.11	NA				
s96t001958	6	6	2	960326	sub-s	38.67	NA				
s96t001958	6	6	1	960326	sub-s	38.84	NA				
s96t001958	6	6	2	960326	sub-s	39.54	NA				
s96t001959	6	6	1	960326	sub-s	68.84	NA				
				s101r6s6		39.9	NA	NA	1.601	NA	NA
s96t002166	6	7	1	NA	sub-s	32.36	NA				
s96t002167	6	7	1	NA	sub-s	38.19	NA				
s96t002166	6	7	2	NA	sub-s	30.46	NA				
s96t002167	6	7	2	NA	sub-s	37.49	NA				
s96t002166	6	7	2	960326	sub-s	30.46	NA				
s96t002166	6	7	1	960326	sub-s	32.36	NA				
s96t002167	6	7	2	960326	sub-s	37.49	NA				
s96t002167	6	7	1	960326	sub-s	38.19	NA				
				s101r6s7		34.6	NA	NA	1.539	NA	NA
s96t002004	6	8	1	NA	sub-s	35.13	NA				
s96t002005	6	8	1	NA	sub-s	33.32	NA				
s96t002004	6	8	2	NA	sub-s	35.34	NA				
s96t002005	6	8	2	NA	sub-s	34.18	NA				

s96t002005	6	8	1	960326	sub-s	33.32	NA					
s96t002005	6	8	2	960326	sub-s	34.18	NA					
s96t002004	6	8	1	960326	sub-s	35.13	NA					
s96t002004	6	8	2	960326	sub-s	35.34	NA					
					s101r6s8	34.5	NA	NA	1.538	NA	NA	
s96t002183	6	9	2	NA	sub-s	NA	0.085					
s96t002176	6	9	3	NA	sub-s	32.84	NA					
s96t002176	6	9	1	NA	sub-s	28.35	NA					
s96t002177	6	9	1	NA	sub-s	35.58	NA					
s96t002182	6	9	1	NA	sub-s	99.13	NA					
s96t002183	6	9	1	NA	sub-s	54.85	NA					
s96t002176	6	9	2	NA	sub-s	33.54	NA					
s96t002177	6	9	2	NA	sub-s	33.54	NA					
s96t002182	6	9	2	NA	sub-s	99.80	NA					
s96t002183	6	9	2	NA	sub-s	54.08	NA					
s96t002176	6	9	1	960326	sub-s	28.35	NA					
s96t002176	6	9	3	960326	sub-s	32.84	NA					
s96t002177	6	9	2	960326	sub-s	33.54	NA					
s96t002176	6	9	2	960326	sub-s	33.54	NA					
s96t002177	6	9	1	960326	sub-s	35.58	NA					
s96t002183	6	9	2	960326	sub-s	54.08	NA					
s96t002183	6	9	1	960326	sub-s	54.85	NA					
s96t002183	6	9	1	960326	sub-s	NA	0.019					
s96t002183	6	9	2	960326	sub-s	NA	0.020					
s96t002183	6	9	1	NA	sub-s	54.85	0.020					
s96t002183	6	9	2	NA	sub-s	NA	0.022					
s96t002183	6	9	1	NA	sub-s	NA	0.078					
					s101r6s9	32.8	NA	NA	1.515	NA	NA	
s96t002721	6	999	2	NA	sub-s	NA	0.150					
s96t002721	6	999	1	NA	sub-s	34.76	NA					
s96t002721	6	999	2	NA	sub-s	36.20	NA					
s96t002721	6	999	1	NA	sub-s	NA	0.085					
s96t002721	6	999	2	NA	sub-s	NA	0.085					
s96t002721	6	999	1	NA	sub-s	NA	0.164					
					s101r6s999	35.5	0.121	0.188	1.55	-0.917	-4.659	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t001886	6	1	1	del.sup	NA	super	53.69	NA
s96t001899	6	2	1	del.sup	NA	super	52.18	NA
s96t001909	6	2	1	del.sup	NA	super	51.71	NA
s96t002001	6	3	1	del.sup	NA	super	46.52	NA
s96t002043	6	3	1	del.sup	NA	super	53.76	NA
s96t002068	11	1	1	del.sup	NA	super	44.65	NA

s96t002302	11	2	1	del.sup	NA	super	45.23	NA
s96t002303	11	2	1	del.sup	NA	super	43.31	NA
s96t002304	11	3	1	del.sup	NA	super	40.50	NA
s96t002305	11	3	1	del.sup	NA	super	40.52	NA
s96t001886	6	1	2	del.sup	NA	super	53.71	NA
s96t001899	6	2	2	del.sup	NA	super	52.57	NA
s96t001909	6	2	2	del.sup	NA	super	52.46	NA
s96t002001	6	3	2	del.sup	NA	super	43.86	NA
s96t002043	6	3	2	del.sup	NA	super	53.42	NA
s96t002068	11	1	2	del.sup	NA	super	44.60	NA
s96t002302	11	2	2	del.sup	NA	super	44.08	NA
s96t002303	11	2	2	del.sup	NA	super	42.27	NA
s96t002304	11	3	2	del.sup	NA	super	42.55	NA
s96t002305	11	3	2	del.sup	NA	super	41.38	NA
s96t002068	11	1	2	del.sup	960403	super	44.60	NA
s96t002068	11	1	1	del.sup	960403	super	44.65	NA
s96t002303	11	2	2	del.sup	960403	super	42.27	NA
s96t002303	11	2	1	del.sup	960403	super	43.31	NA
s96t002302	11	2	2	del.sup	960403	super	44.08	NA
s96t002302	11	2	1	del.sup	960403	super	45.23	NA
s96t002304	11	3	1	del.sup	960403	super	40.50	NA
s96t002305	11	3	1	del.sup	960403	super	40.52	NA
s96t002305	11	3	2	del.sup	960403	super	41.38	NA
s96t002304	11	3	2	del.sup	960403	super	42.55	NA
s96t001886	6	1	1	del.sup	960326	super	53.69	NA
s96t001886	6	1	2	del.sup	960326	super	53.71	NA
s96t001909	6	2	1	del.sup	960326	super	51.71	NA
s96t001899	6	2	1	del.sup	960326	super	52.18	NA
s96t001909	6	2	2	del.sup	960326	super	52.46	NA
s96t001899	6	2	2	del.sup	960326	super	52.57	NA
s96t002001	6	3	2	del.sup	960326	super	43.86	NA
s96t002001	6	3	1	del.sup	960326	super	46.52	NA
s96t002043	6	3	2	del.sup	960326	super	53.42	NA
s96t002043	6	3	1	del.sup	960326	super	53.76	NA
s96t002182	6	99	1	del.99	960326	sub-s	99.13	NA
s96t002182	6	99	2	del.99	960326	sub-s	99.80	NA

Summary for Tank s102

Tank Statistics

wet.waste.vol	=	2078	dry.mu.top	=	-3.94
wet.vol.top	=	82.09	dry.mu.bot	=	-3.953
wet.vol.bot	=	1996	dry.sterr.top	=	0.5851
dry.waste.vol	=	1637	dry.sterr.bot	=	0.1586
dry.vol.top	=	65.34	dry.corr	=	0.2089
dry.vol.bot	=	1571	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	20
h2o.mu.top	=	-1.361	toc.mu.top	=	-4.172
h2o.mu.bot	=	-1.309	toc.mu.bot	=	-4.251
h2o.sterr.top	=	0.3741	toc.sterr.top	=	0.6058
h2o.sterr.bot	=	0.1138	toc.sterr.bot	=	0.1473
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	20	toc.nobs	=	20
h2o.mu	=	-1.319	toc.mu	=	-4.246
rw.h2o.mu	=	0.04892	rw.toc.mu	=	4.508
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.22e-06	2.06e-06	4e-06	1.27e-05	5.46e-05	0.00029	0.0089	0.146
Dry	0.000102	0.000134	0.000178	0.000249	0.000403	0.000604	0.00147	0.703

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t000770	11	10	1	960113	sub-s	41.46	NA				
s96t000770	11	10	2	960113	sub-s	42.16	NA				
s96t000771	11	10	2	960113	sub-s	42.45	NA				
s96t000771	11	10	1	960113	sub-s	42.55	NA				
s96t000770	11	10	2	960113	sub-s	NA	0.489				
s96t000770	11	10	1	960113	sub-s	NA	0.492				
s96t000771	11	10	2	960113	sub-s	NA	0.631				
s96t000771	11	10	1	960113	sub-s	NA	0.742				
				s102r11s10		42.2	0.588	1.017	1.625	-0.23	-2.926
s96t000634	11	11	2	960113	sub-s	29.47	NA				
s96t000634	11	11	1	960113	sub-s	44.96	NA				
s96t000634	11	11	1	960113	sub-s	45.56	NA				

s96t000634	11	11	2	960113	sub-s	46.32	NA				
s96t000634	11	11	2	960113	sub-s	NA	0.217				
s96t000634	11	11	1	960113	sub-s	NA	0.311				
s96t000772	11	11	1	960113	sub-s	17.66	NA				
s96t000772	11	11	2	960113	sub-s	17.81	NA				
s96t000772	11	11	1	960113	sub-s	NA	0.207				
s96t000772	11	11	2	960113	sub-s	NA	0.217				
					s102r11s11	17.7	0.212	0.258	1.249	-0.674	-4.339
s96t000755	11	2	1	960113	sub-s	14.73	NA				
s96t000755	11	2	2	960113	sub-s	14.88	NA				
s96t000755	11	2	1	960113	sub-s	NA	0.128				
s96t000755	11	2	2	960113	sub-s	NA	0.129				
					s102r11s2	14.8	0.128	0.151	1.17	-0.891	-4.88
s96t000756	11	3	1	960113	sub-s	8.02	NA				
s96t000756	11	3	2	960113	sub-s	8.11	NA				
s96t000756	11	3	1	960113	sub-s	NA	0.097				
s96t000756	11	3	2	960113	sub-s	NA	0.111				
					s102r11s3	8.06	0.104	0.113	0.907	-0.983	-5.17
s96t000757	11	4	2	960113	sub-s	9.99	NA				
s96t000757	11	4	1	960113	sub-s	10.34	NA				
s96t000758	11	4	2	960113	sub-s	16.38	NA				
s96t000758	11	4	1	960113	sub-s	17.54	NA				
s96t000757	11	4	1	960113	sub-s	NA	0.124				
s96t000757	11	4	2	960113	sub-s	NA	0.130				
s96t000758	11	4	2	960113	sub-s	NA	0.231				
s96t000758	11	4	1	960113	sub-s	NA	0.236				
					s102r11s4	13.6	0.18	0.209	1.132	-0.744	-4.553
s96t000759	11	5	2	960113	sub-s	8.11	NA				
s96t000759	11	5	1	960113	sub-s	8.50	NA				
s96t000760	11	5	1	960113	sub-s	16.38	NA				
s96t000760	11	5	2	960113	sub-s	17.80	NA				
s96t000759	11	5	1	960113	sub-s	NA	0.149				
s96t000759	11	5	2	960113	sub-s	NA	0.161				
s96t000760	11	5	2	960113	sub-s	NA	0.207				
s96t000760	11	5	1	960113	sub-s	NA	0.213				
					s102r11s5	12.7	0.182	0.209	1.104	-0.739	-4.55
s96t000761	11	6	2	960113	sub-s	3.18	NA				
s96t000761	11	6	1	960113	sub-s	7.13	NA				
s96t000763	11	6	2	960113	sub-s	8.26	NA				
s96t000763	11	6	2	960113	sub-s	12.16	NA				
s96t000763	11	6	1	960113	sub-s	12.18	NA				

s96t000763	11	6	1	960113	sub-s	14.20	NA					
s96t000762	11	6	1	960113	sub-s	23.98	NA					
s96t000762	11	6	2	960113	sub-s	24.99	NA					
s96t000761	11	6	2	960113	sub-s	NA	0.078					
s96t000761	11	6	1	960113	sub-s	NA	0.079					
s96t000763	11	6	1	960113	sub-s	NA	0.147					
s96t000763	11	6	2	960113	sub-s	NA	0.148					
s96t000762	11	6	1	960113	sub-s	NA	0.311					
s96t000762	11	6	2	960113	sub-s	NA	0.333					
					s102r11s6	13.3	0.183	0.211	1.123	-0.738	-4.543	
s96t000773	11	7	2	960113	sub-s	52.83	NA					
s96t000773	11	7	1	960113	sub-s	53.23	NA					
s96t000773	11	7	1	960113	sub-s	NA	0.178					
s96t000773	11	7	2	960113	sub-s	NA	0.208					
s96t000765	11	7	2	960113	sub-s	29.08	NA					
s96t000765	11	7	1	960113	sub-s	31.17	NA					
s96t000764	11	7	1	960113	sub-s	33.24	NA					
s96t000764	11	7	2	960113	sub-s	34.56	NA					
s96t000765	11	7	2	960113	sub-s	NA	0.320					
s96t000765	11	7	1	960113	sub-s	NA	0.323					
s96t000764	11	7	1	960113	sub-s	NA	0.367					
s96t000764	11	7	2	960113	sub-s	NA	0.373					
					s102r11s7	32	0.346	0.509	1.505	-0.461	-3.646	
s96t000766	11	8	2	960113	sub-s	35.07	NA					
s96t000766	11	8	1	960113	sub-s	36.19	NA					
s96t000767	11	8	1	960113	sub-s	39.62	NA					
s96t000767	11	8	2	960113	sub-s	41.33	NA					
s96t000766	11	8	1	960113	sub-s	NA	0.656					
s96t000766	11	8	2	960113	sub-s	NA	0.682					
s96t000767	11	8	1	960113	sub-s	NA	0.762					
s96t000767	11	8	2	960113	sub-s	NA	0.827					
					s102r11s8	38.1	0.732	1.181	1.58	-0.136	-2.768	
s96t000768	11	9	1	960113	sub-s	39.11	NA					
s96t000768	11	9	2	960113	sub-s	40.26	NA					
s96t000769	11	9	1	960113	sub-s	42.05	NA					
s96t000769	11	9	2	960113	sub-s	42.17	NA					
s96t000769	11	9	2	960113	sub-s	NA	0.491					
s96t000769	11	9	1	960113	sub-s	NA	0.498					
s96t000768	11	9	1	960113	sub-s	NA	0.669					
s96t000768	11	9	2	960113	sub-s	NA	0.705					
					s102r11s9	40.9	0.591	1	1.612	-0.229	-2.945	
s96t001437	14	10	2	960308	sub-s	65.63	NA					

s96t001437	14	10	1	960308	sub-s	65.75	NA					
s96t001437	14	10	2	960308	sub-s	NA	0.267					
s96t001437	14	10	1	960308	sub-s	NA	0.283					
s96t001432	14	10	2	960308	sub-s	42.40	NA					
s96t001432	14	10	1	960308	sub-s	42.44	NA					
s96t001433	14	10	2	960308	sub-s	44.27	NA					
s96t001433	14	10	1	960308	sub-s	44.62	NA					
s96t001433	14	10	2	960308	sub-s	NA	0.446					
s96t001432	14	10	1	960308	sub-s	NA	0.453					
s96t001432	14	10	2	960308	sub-s	NA	0.464					
s96t001433	14	10	1	960308	sub-s	NA	0.468					
					s102r14s10	43.4	0.458	0.809	1.638	-0.339	-3.166	
s96t001435	14	11	2	960308	sub-s	21.77	NA					
s96t001435	14	11	1	960308	sub-s	22.69	NA					
s96t001434	14	11	1	960308	sub-s	40.25	NA					
s96t001434	14	11	2	960308	sub-s	40.38	NA					
s96t001435	14	11	2	960308	sub-s	NA	0.777					
s96t001435	14	11	1	960308	sub-s	NA	0.813					
s96t001434	14	11	1	960308	sub-s	NA	1.100					
s96t001434	14	11	2	960308	sub-s	NA	1.120					
					s102r14s11	31.3	0.952	1.386	1.495	-0.021	-2.598	
s96t001141	14	2	1	960308	sub-s	13.37	NA					
s96t001141	14	2	2	960308	sub-s	14.72	NA					
s96t001141	14	2	1	960308	sub-s	NA	0.145					
s96t001141	14	2	2	960308	sub-s	NA	0.146					
					s102r14s2	14	0.145	0.169	1.148	-0.837	-4.763	
s96t001145	14	3	1	960308	sub-s	5.40	NA					
s96t001145	14	3	2	960308	sub-s	6.19	NA					
s96t001145	14	3	2	960308	sub-s	NA	0.112					
s96t001145	14	3	1	960308	sub-s	NA	0.114					
					s102r14s3	5.8	0.113	0.12	0.763	-0.947	-5.11	
s96t001146	14	4	2	960308	sub-s	12.55	NA					
s96t001146	14	4	1	960308	sub-s	12.69	NA					
s96t001146	14	4	1	960308	sub-s	NA	0.172					
s96t001146	14	4	2	960308	sub-s	NA	0.177					
					s102r14s4	12.6	0.174	0.2	1.101	-0.758	-4.597	
s96t001125	14	5	1	960308	sub-s	47.01	NA					
s96t001125	14	5	2	960308	sub-s	47.20	NA					
s96t001125	14	5	2	960308	sub-s	NA	0.333					
s96t001125	14	5	1	960308	sub-s	NA	0.371					
s96t001147	14	5	2	960308	sub-s	17.18	NA					

s96t001147	14	5	1	960308	sub-s	17.61	NA					
s96t001148	14	5	2	960308	sub-s	19.72	NA					
s96t001148	14	5	1	960308	sub-s	20.01	NA					
s96t001149	14	5	2	960308	sub-s	28.88	NA					
s96t001149	14	5	1	960308	sub-s	29.11	NA					
s96t001147	14	5	1	960308	sub-s	NA	0.167					
s96t001147	14	5	2	960308	sub-s	NA	0.173					
s96t001148	14	5	2	960308	sub-s	NA	0.222					
s96t001148	14	5	1	960308	sub-s	NA	0.236					
s96t001149	14	5	1	960308	sub-s	NA	0.323					
s96t001149	14	5	2	960308	sub-s	NA	0.329					
				s102r14s5		22.1	0.242	0.31	1.344	-0.617	-4.151	
s96t001151	14	6	2	960308	sub-s	23.80	NA					
s96t001150	14	6	2	960308	sub-s	24.44	NA					
s96t001150	14	6	1	960308	sub-s	24.76	NA					
s96t001151	14	6	1	960308	sub-s	30.36	NA					
s96t001150	14	6	2	960308	sub-s	NA	0.255					
s96t001150	14	6	1	960308	sub-s	NA	0.264					
s96t001151	14	6	1	960308	sub-s	NA	0.276					
s96t001151	14	6	2	960308	sub-s	NA	0.310					
s96t001382	14	6	1	960308	sub-s	47.72	NA					
s96t001382	14	6	2	960308	sub-s	48.09	NA					
s96t001382	14	6	2	960308	sub-s	NA	0.381					
s96t001382	14	6	1	960308	sub-s	NA	0.396					
s96t001401	14	6	1	960308	sub-s	12.38	NA					
s96t001401	14	6	3	960308	sub-s	12.55	NA					
s96t001401	14	6	2	960308	sub-s	12.66	NA					
s96t001401	14	6	2	960308	sub-s	12.75	NA					
s96t001401	14	6	1	960308	sub-s	13.06	NA					
s96t001399	14	6	1	960308	sub-s	13.25	NA					
s96t001399	14	6	2	960308	sub-s	14.70	NA					
s96t001401	14	6	1	960308	sub-s	NA	0.133					
s96t001399	14	6	2	960308	sub-s	NA	0.133					
s96t001401	14	6	2	960308	sub-s	NA	0.136					
s96t001399	14	6	1	960308	sub-s	NA	0.139					
s96t001386	14	6	1	960308	sub-s	13.21	NA					
s96t001386	14	6	3	960308	sub-s	18.91	NA					
s96t001386	14	6	2	960308	sub-s	19.37	NA					
s96t001386	14	6	2	960308	sub-s	NA	0.227					
s96t001386	14	6	1	960308	sub-s	NA	0.242					
				s102r14s6		17.6	0.211	0.257	1.245	-0.675	-4.343	
s96t001390	14	7	2	960308	sub-s	2.24	NA					
s96t001390	14	7	3	960308	sub-s	21.72	NA					
s96t001390	14	7	1	960308	sub-s	22.81	NA					

s96t001390	14	7	1	960308	sub-s	NA	0.223				
s96t001390	14	7	2	960308	sub-s	NA	0.281				
					s102r14s7	15.6	0.252	0.299	1.193	-0.599	-4.19
s96t001409	14	8	1	960308	sub-s	20.75	NA				
s96t001409	14	8	2	960308	sub-s	24.17	NA				
s96t001409	14	8	2	960308	sub-s	NA	0.286				
s96t001409	14	8	1	960308	sub-s	NA	0.314				
s96t001429	14	8	2	960308	sub-s	32.74	NA				
s96t001429	14	8	1	960308	sub-s	34.31	NA				
s96t001430	14	8	1	960308	sub-s	37.59	NA				
s96t001430	14	8	2	960308	sub-s	38.90	NA				
s96t001431	14	8	1	960308	sub-s	38.94	NA				
s96t001431	14	8	2	960308	sub-s	41.93	NA				
s96t001431	14	8	1	960308	sub-s	NA	0.637				
s96t001431	14	8	2	960308	sub-s	NA	0.656				
s96t001429	14	8	2	960308	sub-s	NA	0.883				
s96t001429	14	8	1	960308	sub-s	NA	0.917				
s96t001430	14	8	1	960308	sub-s	NA	1.270				
s96t001430	14	8	2	960308	sub-s	NA	1.330				
					s102r14s8	33.7	0.787	1.186	1.527	-0.104	-2.764
s96t001441	14	9	1	960308	sub-s	41.23	NA				
s96t001441	14	9	2	960308	sub-s	41.46	NA				
s96t001442	14	9	1	960308	sub-s	42.15	NA				
s96t001442	14	9	2	960308	sub-s	42.97	NA				
s96t001442	14	9	2	960308	sub-s	NA	0.430				
s96t001442	14	9	1	960308	sub-s	NA	0.446				
s96t001441	14	9	1	960308	sub-s	NA	0.565				
s96t001441	14	9	2	960308	sub-s	NA	0.582				
					s102r14s9	42	0.506	0.871	1.623	-0.296	-3.089

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t001383	14	6	2	del.lin	960308	sub-s	51.85	NA
s96t001383	14	6	1	del.lin	960308	sub-s	51.90	NA
s96t001383	14	6	1	del.lin	960308	sub-s	NA	0.352
s96t001383	14	6	2	del.lin	960308	sub-s	NA	0.381
NA	na1	NA	1	del.qa	800101	super	NA	2.420

Summary for Tank s103

Tank Statistics

wet.waste.vol	=	874.3	dry.mu.top	=	-3.9
wet.vol.top	=	82.09	dry.mu.bot	=	-3.9
wet.vol.bot	=	792.2	dry.sterr.top	=	0.8954
dry.waste.vol	=	605	dry.sterr.bot	=	0.8954
dry.vol.top	=	53.78	dry.corr	=	0.7694
dry.vol.bot	=	551.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.6418	toc.mu.top	=	-4.315
h2o.mu.bot	=	-0.827	toc.mu.bot	=	-4.439
h2o.sterr.top	=	0.8231	toc.sterr.top	=	0.9451
h2o.sterr.bot	=	0.8194	toc.sterr.bot	=	0.9426
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1564	rw.toc.mu	=	4.527
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.57e-08	4.6e-07	5.02e-06	6.88e-05	0.00127	0.0142	0.747	11
Dry	0.000172	0.000513	0.00152	0.00469	0.0188	0.0484	0.201	0.729

Data From Tank

No Data Associated with This Tank

Summary for Tank s104

Tank Statistics

wet.waste.vol	=	1109	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1027	dry.sterr.top	=	0.8727
dry.waste.vol	=	720.1	dry.sterr.bot	=	0.8727
dry.vol.top	=	52.49	dry.corr	=	0.7572
dry.vol.bot	=	667.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.573	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.6195	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.2337	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.127	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	18	toc.nobs	=	0
h2o.mu	=	-0.6058	toc.mu	=	NaN
rw.h2o.mu	=	0.2421	rw.toc.mu	=	4.541
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.75e-10	2.72e-09	2.32e-08	2.13e-07	5.62e-06	7.29e-05	0.00368	0.163
Dry	2.94e-05	9.7e-05	0.000315	0.00112	0.00534	0.0161	0.0903	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
2033	2	1	2	920802	surfa	7.66	NA				
2033	2	1	1	920802	surfa	9.10	NA				
2030	2	1	1	920802	surfa	29.70	NA				
2030	2	1	2	920802	surfa	36.20	NA				
2245	2	1	1	920802	surfa	55.13	NA				
2245	2	1	1	920802	surfa	56.85	NA				
2143	2	1	2	920802	surfa	63.30	NA				
2143	2	1	1	920802	surfa	67.00	NA				
2245	2	1	2	920802	surfa	NA	0.007				
2245	2	1	1	920802	surfa	NA	0.038				
f2248-5712	2	1	1	920802	surfa	55.13	NA				
f2248-5714	2	1	1	920802	surfa	56.85	NA				
f2248-5726	2	1	1	920802	surfa	NA	0.040				

f2248-5726	2	1	2	920802	surfa	NA	0.007				
					s104r2s1	35.5	NA	NA	1.55	NA	NA
2029	2	2	2	920802	sub-s	37.80	NA				
2029	2	2	1	920802	sub-s	38.30	NA				
2131	2	2	1	920802	sub-s	41.30	NA				
2131	2	2	2	920802	sub-s	43.90	NA				
					s104r2s2	40.3	NA	NA	1.606	NA	NA
2022	2	3	1	920802	sub-s	23.70	NA				
2022	2	3	2	920802	sub-s	25.20	NA				
2026	2	3	1	920802	sub-s	30.40	NA				
2026	2	3	2	920802	sub-s	37.70	NA				
2147	2	3	2	920802	sub-s	64.60	NA				
2147	2	3	1	920802	sub-s	80.30	NA				
					s104r2s3	43.6	NA	NA	1.64	NA	NA
2023	2	4	1	920802	sub-s	35.20	NA				
2023	2	4	2	920802	sub-s	36.20	NA				
2149	2	4	2	920802	sub-s	53.10	NA				
2149	2	4	1	920802	sub-s	58.10	NA				
					s104r2s4	45.7	NA	NA	1.659	NA	NA
2017	2	5	1	920802	sub-s	20.50	NA				
2015	2	5	1	920802	sub-s	25.30	NA				
2017	2	5	2	920802	sub-s	25.70	NA				
2015	2	5	2	920802	sub-s	31.60	NA				
2152	2	5	2	920802	sub-s	31.90	NA				
2152	2	5	1	920802	sub-s	34.90	NA				
					s104r2s5	28.3	NA	NA	1.452	NA	NA
2001	2	6	1	920802	sub-s	23.70	NA				
2003	2	6	1	920802	sub-s	24.20	NA				
2001	2	6	2	920802	sub-s	24.90	NA				
2003	2	6	2	920802	sub-s	24.90	NA				
					s104r2s6	24.4	NA	NA	1.388	NA	NA
2067	3	1	1	920729	surfa	39.30	NA				
2067	3	1	2	920729	surfa	40.60	NA				
2116	3	1	2	920729	surfa	43.40	NA				
2116	3	1	1	920729	surfa	43.50	NA				
2245	3	1	2	920729	surfa	55.40	NA				
2245	3	1	1	920729	surfa	55.71	NA				
2245	3	1	1	920729	surfa	56.94	NA				
2245	3	1	1	920729	surfa	NA	0.050				
f2247-5712	3	1	1	920729	surfa	55.71	NA				

f2247-5712	3	1	2	920729	surfa	55.40	NA				
f2247-5714	3	1	1	920729	surfa	56.94	NA				
f2247-5726	3	1	1	920729	surfa	NA	0.052				
					s104r3s1	41.7	NA	NA	1.62	NA	NA
2071	3	2	1	920729	sub-s	35.20	NA				
2071	3	2	2	920729	sub-s	38.50	NA				
2118	3	2	1	920729	sub-s	45.00	NA				
2118	3	2	2	920729	sub-s	50.10	NA				
					s104r3s2	42.2	NA	NA	1.625	NA	NA
2074	3	3	1	920729	sub-s	42.00	NA				
2074	3	3	2	920729	sub-s	42.30	NA				
2120	3	3	1	920729	sub-s	42.80	NA				
2120	3	3	2	920729	sub-s	43.30	NA				
					s104r3s3	42.6	NA	NA	1.629	NA	NA
2060	3	4	2	920729	sub-s	21.60	NA				
2060	3	4	1	920729	sub-s	23.80	NA				
2122	3	4	2	920729	sub-s	34.50	NA				
2122	3	4	1	920729	sub-s	43.30	NA				
					s104r3s4	30.8	NA	NA	1.489	NA	NA
2077	3	5	1	920729	sub-s	29.40	NA				
2077	3	5	2	920729	sub-s	29.50	NA				
2125	3	5	2	920729	sub-s	29.60	NA				
2125	3	5	1	920729	sub-s	31.60	NA				
					s104r3s5	30	NA	NA	1.477	NA	NA
2083	3	6	2	920729	sub-s	20.90	NA				
2127	3	6	1	920729	sub-s	27.10	NA				
2083	3	6	1	920729	sub-s	30.32	NA				
2127	3	6	2	920729	sub-s	30.60	NA				
					s104r3s6	27.2	NA	NA	1.435	NA	NA
2038	7	1	1	920731	surfa	31.10	NA				
2038	7	1	2	920731	surfa	32.00	NA				
NA	7	1	2	920731	surfa	42.90	NA				
NA	7	1	1	920731	surfa	43.40	NA				
2129	7	1	2	920731	surfa	44.20	NA				
2129	7	1	1	920731	surfa	44.80	NA				
2245	7	1	1	920731	surfa	54.29	NA				
2245	7	1	1	920731	surfa	56.24	NA				
2245	7	1	2	920731	surfa	NA	0.007				
2245	7	1	1	920731	surfa	NA	0.043				
f2249-5712	7	1	1	920731	surfa	54.29	NA				

f2249-5714	7	1	1	920731	surfa	56.24	NA				
f2249-5726	7	1	1	920731	surfa	NA	0.046				
f2249-5726	7	1	2	920731	surfa	NA	0.007				
					s104r7s1	39.7	NA	NA	1.599	NA	NA
2046	7	2	2	920731	sub-s	29.30	NA				
2046	7	2	1	920731	sub-s	33.90	NA				
2131	7	2	1	920731	sub-s	41.30	NA				
2131	7	2	2	920731	sub-s	41.60	NA				
					s104r7s2	36.5	NA	NA	1.563	NA	NA
2134	7	3	2	920731	sub-s	41.60	NA				
2134	7	3	1	920731	sub-s	42.30	NA				
2051	7	3	2	920731	sub-s	52.40	NA				
2051	7	3	1	920731	sub-s	53.80	NA				
					s104r7s3	47.5	NA	NA	1.677	NA	NA
NA	7	4	2	920731	sub-s	30.30	NA				
2053	7	4	1	920731	sub-s	30.80	NA				
2136	7	4	1	920731	sub-s	34.90	NA				
2136	7	4	2	920731	sub-s	36.30	NA				
					s104r7s4	33.1	NA	NA	1.519	NA	NA
2056	7	5	2	920731	sub-s	26.30	NA				
2056	7	5	1	920731	sub-s	26.40	NA				
2138	7	5	2	920731	sub-s	30.80	NA				
2138	7	5	1	920731	sub-s	34.60	NA				
					s104r7s5	29.5	NA	NA	1.47	NA	NA
2059	7	6	2	920731	sub-s	17.99	NA				
2059	7	6	1	920731	sub-s	22.90	NA				
2140	7	6	2	920731	sub-s	25.60	NA				
2140	7	6	1	920731	sub-s	26.30	NA				
					s104r7s6	23.2	NA	NA	1.365	NA	NA

Summary for Tank s105

Tank Statistics

wet.waste.vol	=	1726	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1644	dry.sterr.top	=	0.8727
dry.waste.vol	=	1189	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1131	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.16	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.74e-09	3.04e-08	4.87e-07	5.03e-06	0.000121	0.00208	0.158	1.16
Dry	2.74e-05	9.05e-05	0.000295	0.00106	0.00519	0.0161	0.0919	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank s106

Tank Statistics

wet.waste.vol	=	1798	dry.mu.top	=	-4.216
wet.vol.top	=	82.09	dry.mu.bot	=	-4.216
wet.vol.bot	=	1716	dry.sterr.top	=	0.5994
dry.waste.vol	=	1198	dry.sterr.bot	=	0.2445
dry.vol.top	=	51.63	dry.corr	=	0.309
dry.vol.bot	=	1147	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	8
h2o.mu.top	=	-0.5277	toc.mu.top	=	-4.565
h2o.mu.bot	=	-0.7004	toc.mu.bot	=	-4.648
h2o.sterr.top	=	0.4052	toc.sterr.top	=	0.6176
h2o.sterr.bot	=	0.1775	toc.sterr.bot	=	0.2284
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	8	toc.nobs	=	8
h2o.mu	=	-0.6938	toc.mu	=	-4.636
rw.h2o.mu	=	0.2038	rw.toc.mu	=	4.535
h2o.grp	=	wet.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.11e-10	4.7e-10	1.3e-09	4.7e-09	3.35e-08	2.01e-07	1.6e-05	0.000561
Dry	2.41e-05	3.63e-05	5.58e-05	9.09e-05	0.000179	0.000306	0.000779	0.678

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000340	7	1	2	970317	surfa	55.05	NA				
s97t000340	7	1	2	970317	surfa	54.84	NA				
s97t000340	7	1	2	970317	surfa	NA	0.077				
s97t000340	7	1	2	970317	surfa	NA	0.105				
s97t000340	7	1	2	970317	surfa	NA	0.070				
s97t000340	7	1	2	970317	surfa	NA	0.119				
					s106r7s1	NA	NA	NA	NA	NA	NA
s97t000344	7	2	2	970317	sub-s	34.84	NA				
s97t000344	7	2	2	970317	sub-s	31.30	NA				
s97t000350	7	2	2	970317	sub-s	55.67	NA				
s97t000350	7	2	2	970317	sub-s	54.80	NA				
s97t000344	7	2	2	970317	sub-s	NA	0.194				

s97t000344	7	2	2	970317	sub-s	NA	0.191				
s97t000350	7	2	2	970317	sub-s	NA	0.076				
s97t000350	7	2	2	970317	sub-s	NA	0.108				
s97t000350	7	2	2	970317	sub-s	NA	0.068				
s97t000350	7	2	2	970317	sub-s	NA	0.110				
					s106r7s2	33.1	0.192	0.288	1.519	-0.716	-4.227
s97t000354	7	4	4	970317	sub-s	37.30	NA				
s97t000354	7	4	4	970317	sub-s	39.57	NA				
s97t000354	7	4	4	970317	sub-s	36.80	NA				
s97t000354	7	4	4	970317	sub-s	40.58	NA				
s97t000360	7	4	4	970317	sub-s	24.80	NA				
s97t000360	7	4	4	970317	sub-s	31.19	NA				
s97t000360	7	4	4	970317	sub-s	25.70	NA				
s97t000360	7	4	4	970317	sub-s	37.48	NA				
s97t000354	7	4	2	970317	sub-s	NA	0.336				
s97t000354	7	4	2	970317	sub-s	NA	0.360				
s97t000360	7	4	2	970317	sub-s	NA	0.124				
s97t000360	7	4	2	970317	sub-s	NA	0.122				
					s106r7s4	34.2	0.236	0.358	1.534	-0.628	-4.006
s97t000408	7	6	4	970317	sub-s	28.00	NA				
s97t000408	7	6	4	970317	sub-s	48.62	NA				
s97t000408	7	6	4	970317	sub-s	32.60	NA				
s97t000408	7	6	4	970317	sub-s	36.93	NA				
s97t000414	7	6	4	970317	sub-s	23.80	NA				
s97t000414	7	6	4	970317	sub-s	34.07	NA				
s97t000414	7	6	4	970317	sub-s	24.90	NA				
s97t000414	7	6	4	970317	sub-s	36.59	NA				
s97t000420	7	6	2	970317	sub-s	51.92	NA				
s97t000420	7	6	2	970317	sub-s	52.24	NA				
s97t000426	7	6	4	970317	sub-s	24.10	NA				
s97t000426	7	6	4	970317	sub-s	36.16	NA				
s97t000426	7	6	4	970317	sub-s	24.00	NA				
s97t000426	7	6	4	970317	sub-s	28.79	NA				
s97t000439	7	6	4	970317	sub-s	24.40	NA				
s97t000439	7	6	4	970317	sub-s	32.37	NA				
s97t000439	7	6	4	970317	sub-s	26.20	NA				
s97t000439	7	6	4	970317	sub-s	28.17	NA				
s97t000445	7	6	2	970317	sub-s	52.04	NA				
s97t000445	7	6	2	970317	sub-s	52.35	NA				
s97t000408	7	6	2	970317	sub-s	NA	0.232				
s97t000408	7	6	2	970317	sub-s	NA	0.218				
s97t000414	7	6	3	970317	sub-s	NA	0.177				
s97t000414	7	6	3	970317	sub-s	NA	0.166				
s97t000414	7	6	3	970317	sub-s	NA	0.160				

s97t000421	7	6	2	970317	sub-s	NA	0.106					
s97t000421	7	6	2	970317	sub-s	NA	0.110					
s97t000426	7	6	3	970317	sub-s	NA	0.068					
s97t000426	7	6	3	970317	sub-s	NA	0.088					
s97t000426	7	6	3	970317	sub-s	NA	0.083					
s97t000439	7	6	2	970317	sub-s	NA	0.114					
s97t000439	7	6	2	970317	sub-s	NA	0.115					
s97t000445	7	6	2	970317	sub-s	NA	0.117					
s97t000445	7	6	2	970317	sub-s	NA	0.100					
					s106r7s6	30.6	0.142	0.205	1.486	-0.847	-4.571	
s97t000276	8	1	2	970317	surfa	54.45	NA					
s97t000276	8	1	2	970317	surfa	53.62	NA					
s97t000276	8	1	2	970317	surfa	NA	0.073					
s97t000276	8	1	2	970317	surfa	NA	0.129					
s97t000276	8	1	2	970317	surfa	NA	0.084					
s97t000276	8	1	2	970317	surfa	NA	0.193					
					s106r8s1	NA	NA	NA	NA	NA	NA	
s97t000283	8	3	2	970317	sub-s	52.44	NA					
s97t000283	8	3	2	970317	sub-s	58.67	NA					
s97t000283	8	3	2	970317	sub-s	NA	0.063					
s97t000283	8	3	2	970317	sub-s	NA	0.145					
s97t000283	8	3	2	970317	sub-s	NA	0.052					
s97t000283	8	3	2	970317	sub-s	NA	0.154					
					s106r8s3	NA	NA	NA	NA	NA	NA	
s97t000284	8	4	2	970317	sub-s	54.06	NA					
s97t000284	8	4	2	970317	sub-s	54.98	NA					
s97t000298	8	4	2	970317	sub-s	45.80	NA					
s97t000298	8	4	2	970317	sub-s	57.01	NA					
s97t000284	8	4	3	970317	sub-s	NA	0.061					
s97t000284	8	4	2	970317	sub-s	NA	0.159					
s97t000284	8	4	3	970317	sub-s	NA	0.065					
s97t000284	8	4	2	970317	sub-s	NA	0.179					
s97t000284	8	4	3	970317	sub-s	NA	0.110					
s97t000298	8	4	3	970317	sub-s	NA	0.094					
s97t000298	8	4	3	970317	sub-s	NA	0.153					
s97t000298	8	4	3	970317	sub-s	NA	0.155					
					s106r8s4	51.4	0.134	0.276	1.711	-0.872	-4.269	
s97t000285	8	5	2	970317	sub-s	52.82	NA					
s97t000285	8	5	2	970317	sub-s	52.59	NA					
s97t000299	8	5	2	970317	sub-s	23.33	NA					
s97t000299	8	5	2	970317	sub-s	40.61	NA					
s97t000285	8	5	2	970317	sub-s	NA	0.071					

s97t000285	8	5	2	970317	sub-s		NA	0.143			
s97t000285	8	5	2	970317	sub-s		NA	0.074			
s97t000285	8	5	2	970317	sub-s		NA	0.177			
s97t000299	8	5	2	970317	sub-s		NA	0.160			
s97t000299	8	5	2	970317	sub-s		NA	0.155			
					s106r8s5		32	0.158	0.232	1.505	-0.803 -4.447
s97t000286	8	7	2	970317	sub-s	53.76		NA			
s97t000286	8	7	2	970317	sub-s	53.31		NA			
s97t000300	8	7	2	970317	sub-s	27.23		NA			
s97t000300	8	7	2	970317	sub-s	30.88		NA			
s97t000286	8	7	2	970317	sub-s		NA	0.103			
s97t000286	8	7	2	970317	sub-s		NA	0.116			
s97t000286	8	7	2	970317	sub-s		NA	0.100			
s97t000286	8	7	2	970317	sub-s		NA	0.114			
s97t000300	8	7	2	970317	sub-s		NA	0.120			
s97t000300	8	7	2	970317	sub-s		NA	0.103			
					s106r8s7		29.1	0.112	0.157	1.463	-0.953 -4.838
s97t000316	8	8	4	970317	sub-s	27.80		NA			
s97t000316	8	8	4	970317	sub-s	29.42		NA			
s97t000316	8	8	4	970317	sub-s	27.10		NA			
s97t000316	8	8	4	970317	sub-s	27.20		NA			
s97t000324	8	8	4	970317	sub-s	23.70		NA			
s97t000324	8	8	4	970317	sub-s	31.46		NA			
s97t000324	8	8	4	970317	sub-s	25.06		NA			
s97t000324	8	8	4	970317	sub-s	25.40		NA			
s97t000316	8	8	2	970317	sub-s		NA	0.433			
s97t000316	8	8	2	970317	sub-s		NA	0.380			
s97t000324	8	8	2	970317	sub-s		NA	0.279			
s97t000324	8	8	2	970317	sub-s		NA	0.283			
					s106r8s8		27.1	0.344	0.472	1.434	-0.464 -3.723
s97t000325	8	9	4	970317	sub-s	23.40		NA			
s97t000325	8	9	4	970317	sub-s	30.68		NA			
s97t000325	8	9	4	970317	sub-s	25.50		NA			
s97t000325	8	9	4	970317	sub-s	28.15		NA			
s97t000326	8	9	4	970317	sub-s	32.32		NA			
s97t000326	8	9	4	970317	sub-s	36.10		NA			
s97t000326	8	9	4	970317	sub-s	36.30		NA			
s97t000326	8	9	4	970317	sub-s	36.88		NA			
s97t000325	8	9	2	970317	sub-s		NA	0.254			
s97t000325	8	9	2	970317	sub-s		NA	0.283			
s97t000326	8	9	2	970317	sub-s		NA	0.438			
s97t000326	8	9	2	970317	sub-s		NA	0.431			
					s106r8s9		31.2	0.351	0.511	1.494	-0.454 -3.642

Summary for Tank s107

Tank Statistics

wet.waste.vol	=	1370	dry.mu.top	=	-4.2
wet.vol.top	=	82.09	dry.mu.bot	=	-4.432
wet.vol.bot	=	1288	dry.sterr.top	=	0.5888
dry.waste.vol	=	897.2	dry.sterr.bot	=	0.1881
dry.vol.top	=	56.73	dry.corr	=	0.2439
dry.vol.bot	=	840.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	14
h2o.mu.top	=	-0.8054	toc.mu.top	=	-4.584
h2o.mu.bot	=	-0.6302	toc.mu.bot	=	-4.912
h2o.sterr.top	=	0.3843	toc.sterr.top	=	0.609
h2o.sterr.bot	=	0.1112	toc.sterr.bot	=	0.1751
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	21	toc.nobs	=	14
h2o.mu	=	-0.64	toc.mu	=	-4.945
rw.h2o.mu	=	0.2297	rw.toc.mu	=	4.539
h2o.grp	=	wet.sludge	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.83e-11	1.45e-10	7.2e-10	6.44e-09	7.18e-08	7.05e-07	1.84e-05	0.00102
Dry	9.14e-06	1.38e-05	2.18e-05	3.83e-05	9.05e-05	0.000199	0.000883	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t002447	11	2	2	950919	sub-s	50.38	NA				
s95t002450	11	2	2	950919	sub-s	50.63	NA				
s95t002447	11	2	1	950919	sub-s	52.79	NA				
s95t002450	11	2	1	950919	sub-s	54.78	NA				
s96t003289	11	2	1	950919	sub-s	NA	0.453				
s96t003289	11	2	2	950919	sub-s	NA	0.468				
					s107r11s2	52.1	0.461	0.962	1.717	-0.337	-2.985
s95t002520	11	3	2	950919	sub-s	17.43	NA				
s95t002521	11	3	1	950919	sub-s	22.88	NA				
s95t002520	11	3	1	950919	sub-s	24.26	NA				
s95t002521	11	3	2	950919	sub-s	26.35	NA				
s96t003290	11	3	2	950919	sub-s	NA	0.678				

s96t003290	11	3	1	950919	sub-s	NA	0.738					
					s107r11s3	22.7	0.708	0.916	1.357	-0.15	-3.036	
s95t002522	11	4	2	950919	sub-s	36.31	NA					
s95t002523	11	4	1	950919	sub-s	40.50	NA					
s95t002523	11	4	2	950919	sub-s	40.77	NA					
s95t003538	11	4	2	950919	sub-s	43.50	NA					
s95t003538	11	4	1	950919	sub-s	43.70	NA					
s95t002522	11	4	1	950919	sub-s	43.71	NA					
s96t003291	11	4	1	950919	sub-s	NA	0.083					
s96t003291	11	4	2	950919	sub-s	NA	0.098					
					s107r11s4	41.4	*****	0.154	1.617	-1.043	-4.856	
s95t002524	11	5	1	950919	sub-s	34.52	NA					
s95t002524	11	5	2	950919	sub-s	35.73	NA					
s95t002525	11	5	1	950919	sub-s	40.86	NA					
s95t002525	11	5	2	950919	sub-s	41.65	NA					
s96t003292	11	5	1	950919	sub-s	NA	0.162					
s96t003292	11	5	3	950919	sub-s	NA	0.180					
s96t003292	11	5	2	950919	sub-s	NA	0.223					
					s107r11s5	38.2	0.188	0.305	1.582	-0.725	-4.169	
s95t003540	11	6	2	950919	sub-s	20.50	NA					
s95t003540	11	6	1	950919	sub-s	20.60	NA					
s95t003539	11	6	1	950919	sub-s	21.40	NA					
s95t003539	11	6	2	950919	sub-s	22.80	NA					
s95t002527	11	6	1	950919	sub-s	27.50	NA					
s95t002527	11	6	2	950919	sub-s	28.82	NA					
					s107r11s6	23.6	NA	NA	1.373	NA	NA	
s95t002528	11	7	2	950919	sub-s	30.53	NA					
s95t002528	11	7	1	950919	sub-s	31.90	NA					
s95t002529	11	7	1	950919	sub-s	33.08	NA					
s95t002529	11	7	2	950919	sub-s	38.16	NA					
					s107r11s7	33.4	NA	NA	1.524	NA	NA	
s95t002531	11	8	2	950919	sub-s	27.03	NA					
s95t002531	11	8	1	950919	sub-s	30.65	NA					
s95t002530	11	8	2	950919	sub-s	30.94	NA					
s95t002530	11	8	1	950919	sub-s	31.10	NA					
s96t003293	11	8	1	950919	sub-s	NA	0.030					
s96t003293	11	8	2	950919	sub-s	NA	0.035					
					s107r11s8	29.9	0.033	0.047	1.476	-1.482	-6.05	
s95t002603	16	2	1	950925	sub-s	51.47	NA					
s95t002603	16	2	2	950925	sub-s	65.50	NA					

```
s96t003263   16    2    2 950925 sub-s    NA 0.586
s96t003263   16    2    1 950925 sub-s    NA 0.697
                        s107r16s2  58.5 0.641  1.545  1.767 -0.193  -2.48

s95t002606   16    3    2 950925 sub-s 21.38    NA
s95t002606   16    3    1 950925 sub-s 22.10    NA
s95t002607   16    3    2 950925 sub-s 41.05    NA
s95t002607   16    3    1 950925 sub-s 45.99    NA
s96t003264   16    3    1 950925 sub-s    NA 0.370
s96t003264   16    3    2 950925 sub-s    NA 0.389
s95t002605   16    3    2 950925 sub-s 19.24    NA
s95t002605   16    3    1 950925 sub-s 25.93    NA
s95t002604   16    3    1 950925 sub-s 35.52    NA
s95t002604   16    3    2 950925 sub-s 39.17    NA
                        s107r16s3  31.3  0.38  0.552  1.496 -0.421 -3.561

s95t003901   16    4    2 950925 sub-s 18.10    NA
s95t003901   16    4    1 950925 sub-s 19.10    NA
s95t002609   16    4    2 950925 sub-s 38.98    NA
s95t002609   16    4    1 950925 sub-s 39.40    NA
s96t003265   16    4    3 950925 sub-s    NA 0.059
s96t003265   16    4    1 950925 sub-s    NA 0.072
s96t003265   16    4    2 950925 sub-s    NA 0.101
                        s107r16s4  28.9 *****  0.108  1.461 -1.113 -5.212

s95t002610   16    5    2 950925 sub-s 21.47    NA
s95t002610   16    5    1 950925 sub-s 22.42    NA
s95t002611   16    5    1 950925 sub-s 22.69    NA
s95t002611   16    5    2 950925 sub-s 24.42    NA
s96t003266   16    5    2 950925 sub-s    NA 0.085
s96t003266   16    5    1 950925 sub-s    NA 0.086
                        s107r16s5  22.8 *****   0.11  1.357 -1.069 -5.193

s95t002685   16    6    1 950925 sub-s 27.29    NA
s95t002685   16    6    2 950925 sub-s 27.33    NA
s95t002686   16    6    1 950925 sub-s 46.59    NA
s95t002686   16    6    2 950925 sub-s 48.74    NA
                        s107r16s6  37.5    NA     NA  1.574     NA     NA

s95t002688   16    7    1 950925 sub-s 31.02    NA
s95t002687   16    7    1 950925 sub-s 31.46    NA
s95t002687   16    7    2 950925 sub-s 32.71    NA
s95t002688   16    7    2 950925 sub-s 35.34    NA
                        s107r16s7  32.6    NA     NA  1.514     NA     NA

s95t002690   16    8    1 950925 sub-s 28.30    NA
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s95t003902	16	8	2	950925	sub-s	29.00	NA				
s95t002690	16	8	2	950925	sub-s	29.25	NA				
s95t003902	16	8	1	950925	sub-s	29.40	NA				
s96t003267	16	8	2	950925	sub-s	NA	0.035				
s96t003267	16	8	1	950925	sub-s	NA	0.040				
					s107r16s8	29	*****	0.053	1.462	-1.428	-5.94
s95t002635	2	2	1	950925	sub-s	33.79	NA				
s95t002635	2	2	2	950925	sub-s	51.21	NA				
s96t003245	2	2	2	950925	sub-s	NA	0.368				
s96t003245	2	2	1	950925	sub-s	NA	0.389				
					s107r2s2	42.5	0.378	0.658	1.628	-0.422	-3.38
s95t002654	2	3	2	950925	sub-s	37.34	NA				
s95t002654	2	3	1	950925	sub-s	39.37	NA				
s95t002653	2	3	1	950925	sub-s	53.49	NA				
s95t002653	2	3	2	950925	sub-s	53.75	NA				
					s107r2s3	46	NA	NA	1.663	NA	NA
s95t002656	2	4	1	950925	sub-s	33.44	NA				
s95t002655	2	4	1	950925	sub-s	36.08	NA				
s95t002655	2	4	2	950925	sub-s	36.92	NA				
s95t002656	2	4	2	950925	sub-s	37.40	NA				
s96t003249	2	4	2	950925	sub-s	NA	0.147				
s96t003249	2	4	1	950925	sub-s	NA	0.151				
					s107r2s4	36	0.149	0.233	1.556	-0.827	-4.442
s95t002657	2	5	2	950925	sub-s	30.35	NA				
s95t002657	2	5	1	950925	sub-s	31.43	NA				
s95t002658	2	5	1	950925	sub-s	38.89	NA				
s95t002658	2	5	2	950925	sub-s	39.14	NA				
s96t003250	2	5	1	950925	sub-s	NA	0.098				
s96t003250	2	5	2	950925	sub-s	NA	0.118				
					s107r2s5	35	0.108	0.166	1.543	-0.967	-4.784
s95t002660	2	6	2	950925	sub-s	23.66	NA				
s95t002660	2	6	1	950925	sub-s	24.08	NA				
s95t002659	2	6	1	950925	sub-s	27.18	NA				
s95t002659	2	6	2	950925	sub-s	30.02	NA				
					s107r2s6	26.2	NA	NA	1.419	NA	NA
s95t002661	2	7	1	950925	sub-s	31.90	NA				
s95t002661	2	7	2	950925	sub-s	33.19	NA				
s95t002662	2	7	2	950925	sub-s	33.63	NA				
s95t002662	2	7	1	950925	sub-s	33.85	NA				
					s107r2s7	33.1	NA	NA	1.52	NA	NA

s95t002664	2	8	1	950925	sub-s	22.72	NA				
s95t002664	2	8	2	950925	sub-s	25.78	NA				
s95t002665	2	8	2	950925	sub-s	32.19	NA				
s95t002665	2	8	1	950925	sub-s	35.19	NA				
s95t002663	2	8	2	950925	sub-s	43.88	NA				
s95t002663	2	8	1	950925	sub-s	44.22	NA				
s96t003251	2	8	2	950925	sub-s	NA	0.017				
s96t003251	2	8	1	950925	sub-s	NA	0.019				
					s107r2s8	34	*****	0.027	1.531	-1.75	-6.607

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s95t002443	11	1	2	del.qa	950919	surfa	65.45	NA
s95t002443	11	1	1	del.qa	950919	surfa	69.55	NA
s95t002446	11	2	2	del.qa	950919	sub-s	68.96	NA
s95t002446	11	2	1	del.qa	950919	sub-s	69.04	NA
s95t002526	11	6	2	del.qa	950919	sub-s	3.68	NA
s95t002526	11	6	1	del.qa	950919	sub-s	6.44	NA
s95t002601	16	1	2	del.qa	950925	surfa	70.38	NA
s95t002601	16	1	1	del.qa	950925	surfa	70.96	NA
s95t002602	16	2	1	del.qa	950925	sub-s	65.37	NA
s95t002602	16	2	2	del.qa	950925	sub-s	66.05	NA
s95t002608	16	4	1	del.qa	950925	sub-s	1.58	NA
s95t002608	16	4	2	del.qa	950925	sub-s	20.22	NA
s95t002689	16	8	2	del.qa	950925	sub-s	0.24	NA
s95t002689	16	8	1	del.qa	950925	sub-s	0.59	NA
s95t002629	2	1	2	del.qa	950925	surfa	71.24	NA
s95t002629	2	1	1	del.qa	950925	surfa	71.72	NA
s95t002632	2	2	1	del.qa	950925	sub-s	64.67	NA
s95t002632	2	2	2	del.qa	950925	sub-s	65.14	NA

Summary for Tank s108

Tank Statistics

wet.waste.vol	=	2286	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2204	dry.sterr.top	=	0.8727
dry.waste.vol	=	1575	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1517	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1604	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.82e-09	3.3e-08	4.32e-07	5.41e-06	0.000165	0.00164	0.186	4.63
Dry	2.59e-05	8.64e-05	0.000284	0.00103	0.00513	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank s109

Tank Statistics

wet.waste.vol	=	2150	dry.mu.top	=	-5.404
wet.vol.top	=	82.09	dry.mu.bot	=	-5.595
wet.vol.bot	=	2068	dry.sterr.top	=	0.3945
dry.waste.vol	=	1964	dry.sterr.bot	=	0.3162
dry.vol.top	=	75.7	dry.corr	=	0.2696
dry.vol.bot	=	1888	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	6
h2o.mu.top	=	-2.473	toc.mu.top	=	-5.545
h2o.mu.bot	=	-2.352	toc.mu.bot	=	-5.776
h2o.sterr.top	=	0.2754	toc.sterr.top	=	0.3795
h2o.sterr.bot	=	0.2252	toc.sterr.bot	=	0.2988
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	6	toc.nobs	=	6
h2o.mu	=	-2.506	toc.mu	=	-5.791
rw.h2o.mu	=	0.00441	rw.toc.mu	=	4.501
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.94e-11	1.37e-10	3.83e-10	1.17e-09	5.84e-09	1.97e-08	2.39e-07	6.11e-06
Dry	3.54e-09	3.54e-09	9.46e-09	2.49e-08	6.51e-08	1.09e-07	2.28e-07	0.161

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t003923	14	1	1	960627	surfa	7.19	NA				
s96t003923	14	1	2	960627	surfa	7.21	NA				
s96t003922	14	1	1	960627	surfa	18.90	NA				
s96t003922	14	1	2	960627	surfa	27.27	NA				
s96t003923	14	1	2	960627	surfa	NA	0.092				
s96t003923	14	1	1	960627	surfa	NA	0.106				
s96t003922	14	1	2	960627	surfa	NA	0.179				
s96t003922	14	1	1	960627	surfa	NA	0.192				
					s109r14s1	15.1	0.142	0.168	1.18	-0.847	-4.773
s96t003734	14	2	2	960627	sub-s	5.26	NA				
s96t003734	14	2	1	960627	sub-s	7.09	NA				
s96t003734	14	2	1	960627	sub-s	NA	0.078				

s96t003734	14	2	2	960627	sub-s	NA	0.082					
s96t004017	14	2	2	960627	sub-s	7.41	NA					
s96t004017	14	2	1	960627	sub-s	7.79	NA					
s96t004017	14	2	2	960627	sub-s	NA	0.063					
s96t004017	14	2	1	960627	sub-s	NA	0.071					
s96t004017	14	2	3	960627	sub-s	NA	0.107					
s96t003759	14	2	2	960627	sub-s	10.44	NA					
s96t003760	14	2	1	960627	sub-s	10.50	NA					
s96t003759	14	2	1	960627	sub-s	11.03	NA					
s96t003760	14	2	2	960627	sub-s	12.08	NA					
s96t003760	14	2	2	960627	sub-s	NA	0.037					
s96t003760	14	2	3	960627	sub-s	NA	0.038					
s96t003760	14	2	1	960627	sub-s	NA	0.040					
s96t003759	14	2	1	960627	sub-s	NA	0.047					
s96t003759	14	2	2	960627	sub-s	NA	0.056					
					s109r14s2	8.95	*****	0.068	0.952	-1.208	-5.68	
s96t003924	14	3	2	960627	sub-s	6.69	NA					
s96t003924	14	3	1	960627	sub-s	7.15	NA					
s96t003925	14	3	2	960627	sub-s	10.74	NA					
s96t003925	14	3	1	960627	sub-s	12.79	NA					
s96t003924	14	3	1	960627	sub-s	NA	0.036					
s96t003924	14	3	2	960627	sub-s	NA	0.041					
s96t003925	14	3	2	960627	sub-s	NA	0.072					
s96t003925	14	3	1	960627	sub-s	NA	0.078					
s96t003926	14	3	2	960627	sub-s	8.70	NA					
s96t003926	14	3	1	960627	sub-s	9.20	NA					
s96t003926	14	3	2	960627	sub-s	NA	0.046					
s96t003926	14	3	1	960627	sub-s	NA	0.053					
					s109r14s3	9.21	*****	0.06	0.964	-1.264	-5.807	
s96t003927	14	4	1	960627	sub-s	6.00	NA					
s96t003927	14	4	2	960627	sub-s	6.10	NA					
s96t003927	14	4	1	960627	sub-s	NA	0.066					
s96t003927	14	4	2	960627	sub-s	NA	0.068					
					s109r14s4	6.05	*****	0.071	0.782	-1.173	-5.631	
s96t003800	16	1	2	960708	surfa	0.94	NA					
s96t003800	16	1	1	960708	surfa	4.31	NA					
s96t003800	16	1	2	960708	surfa	NA	0.033					
s96t003800	16	1	1	960708	surfa	NA	0.040					
					s109r16s1	2.66	*****	0.037	0.424	-1.438	-6.277	
s96t003801	16	2	1	960708	sub-s	1.00	NA					
s96t003801	16	2	2	960708	sub-s	1.56	NA					
s96t003801	16	2	2	960708	sub-s	NA	0.024					

s96t003801	16	2	1	960708	sub-s	NA	0.026	
s96t003839	16	2	1	960708	sub-s	6.87	NA	
s96t003839	16	2	2	960708	sub-s	8.86	NA	
s96t003839	16	2	1	960708	sub-s	NA	0.019	
s96t003839	16	2	2	960708	sub-s	NA	0.024	
s96t004035	16	2	1	960708	sub-s	5.95	NA	
s96t004035	16	2	2	960708	sub-s	6.10	NA	
s96t004036	16	2	2	960708	sub-s	18.57	NA	
s96t004036	16	2	1	960708	sub-s	20.04	NA	
s96t004035	16	2	2	960708	sub-s	NA	0.032	
s96t004036	16	2	1	960708	sub-s	NA	0.034	
s96t004035	16	2	1	960708	sub-s	NA	0.035	
s96t004036	16	2	3	960708	sub-s	NA	0.098	
s96t004036	16	2	2	960708	sub-s	NA	0.098	
					s109r16s2	8.62	*****	0.047 0.935 -1.363 -6.042

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t004033	16	2	1	del.qa	960708	sub-s	52.07	NA
s96t004033	16	2	2	del.qa	960708	sub-s	52.78	NA

Summary for Tank s110

Tank Statistics

wet.waste.vol	=	1476	dry.mu.top	=	-3.748
wet.vol.top	=	82.09	dry.mu.bot	=	-3.776
wet.vol.bot	=	1394	dry.sterr.top	=	0.4772
dry.waste.vol	=	1073	dry.sterr.bot	=	0.3587
dry.vol.top	=	57.9	dry.corr	=	0.3501
dry.vol.bot	=	1015	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	4
h2o.mu.top	=	-0.8731	toc.mu.top	=	-4.11
h2o.mu.bot	=	-0.9866	toc.mu.bot	=	-4.126
h2o.sterr.top	=	0.3336	toc.sterr.top	=	0.4662
h2o.sterr.bot	=	0.259	toc.sterr.bot	=	0.3397
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	4
h2o.mu	=	-0.9677	toc.mu	=	-4.024
rw.h2o.mu	=	0.1049	rw.toc.mu	=	4.518
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.18e-07	8.77e-07	2.63e-06	6.71e-06	2.69e-05	8.23e-05	0.00102	0.00908
Dry	0.000266	0.000415	0.000656	0.00109	0.00216	0.00367	0.00876	0.52

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t002354	140	1	1	NA	surfa	38.60	0.415				
s96t002355	140	1	1	NA	surfa	40.73	0.278				
s96t002354	140	1	2	NA	surfa	39.93	0.415				
s96t002355	140	1	2	NA	surfa	37.92	0.278				
					s110r140s1	39.3	0.346	0.571	1.594	-0.46	-3.528
s96t002356	140	2	1	NA	sub-s	30.56	0.294				
s96t002357	140	2	1	NA	sub-s	0.96	0.474				
s96t002357	140	2	1	NA	sub-s	30.95	0.474				
s96t002356	140	2	2	NA	sub-s	35.51	0.294				
s96t002357	140	2	2	NA	sub-s	30.15	0.474				
s96t002357	140	2	2	NA	sub-s	33.41	0.474				
					s110r140s2	26.9	0.414	0.567	1.43	-0.383	-3.535

s96t002358	140	3	1	NA	sub-s	21.17	0.753				
s96t002358	140	3	1	NA	sub-s	32.99	0.753				
s96t002359	140	3	1	NA	sub-s	29.91	0.582				
s96t002358	140	3	2	NA	sub-s	27.12	0.753				
s96t002358	140	3	2	NA	sub-s	37.76	0.753				
s96t002359	140	3	2	NA	sub-s	25.66	0.582				
				s110r140s3		29.1	0.696	0.982	1.464	-0.157	-2.964
s96t002360	140	4	1	NA	sub-s	7.50	0.103				
s96t002361	140	4	1	NA	sub-s	8.18	0.194				
s96t002362	140	4	1	NA	sub-s	7.64	0.178				
s96t003101	140	4	1	NA	sub-s	49.24	0.129				
s96t003110	140	4	1	NA	sub-s	52.62	0.158				
s96t002360	140	4	2	NA	sub-s	16.10	0.103				
s96t002361	140	4	2	NA	sub-s	11.24	0.194				
s96t002362	140	4	2	NA	sub-s	7.98	0.178				
s96t003101	140	4	2	NA	sub-s	32.52	0.129				
s96t003110	140	4	2	NA	sub-s	69.64	0.164				
				s110r140s4		17.6	0.151	0.183	1.244	-0.821	-4.684

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
NA	na1	NA	1	del.qa	800101	super	NA	1.25

Summary for Tank s111

Tank Statistics

wet.waste.vol	=	2218	dry.mu.top	=	-4.34
wet.vol.top	=	82.09	dry.mu.bot	=	-4.381
wet.vol.bot	=	2136	dry.sterr.top	=	0.594
dry.waste.vol	=	1668	dry.sterr.bot	=	0.2204
dry.vol.top	=	58.42	dry.corr	=	0.2811
dry.vol.bot	=	1609	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	10
h2o.mu.top	=	-0.9037	toc.mu.top	=	-4.639
h2o.mu.bot	=	-1.118	toc.mu.bot	=	-4.745
h2o.sterr.top	=	0.3992	toc.sterr.top	=	0.6129
h2o.sterr.bot	=	0.1595	toc.sterr.bot	=	0.2056
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	10	toc.nobs	=	10
h2o.mu	=	-1.13	toc.mu	=	-4.741
rw.h2o.mu	=	0.07809	rw.toc.mu	=	4.513
h2o.grp	=	wet.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.11e-09	4.44e-09	1.2e-08	3.7e-08	2.37e-07	1.44e-06	5.87e-05	0.0686
Dry	8.95e-06	1.34e-05	2.05e-05	3.37e-05	6.64e-05	0.000118	0.000344	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t003360	8	1	2	960520	surfa	53.40	NA				
s96t003360	8	1	1	960520	surfa	53.49	NA				
s96t003360	8	1	1	960520	surfa	NA	0.097				
s96t003360	8	1	2	960520	surfa	NA	0.106				
					s111r8s1	NA	NA	NA	NA	NA	NA
s96t003617	8	10	2	960520	sub-s	11.42	NA				
s96t003617	8	10	1	960520	sub-s	11.82	NA				
s96t003617	8	10	1	960520	sub-s	NA	0.074				
s96t003617	8	10	2	960520	sub-s	NA	0.076				
					s111r8s10	11.6	*****	0.085	1.065	-1.124	-5.457
s96t003359	8	11	1	960520	sub-s	10.25	NA				

s96t003359	8	11	2	960520	sub-s	10.91	NA					
s96t003359	8	11	2	960520	sub-s	NA	0.040					
s96t003359	8	11	3	960520	sub-s	NA	0.051					
s96t003359	8	11	1	960520	sub-s	NA	0.069					
					s111r8s11	10.6	*****	0.06	1.024	-1.272	-5.809	
s96t003361	8	2	2	960520	sub-s	53.22	NA					
s96t003361	8	2	1	960520	sub-s	53.36	NA					
s96t003361	8	2	1	960520	sub-s	NA	0.105					
s96t003361	8	2	2	960520	sub-s	NA	0.105					
					s111r8s2	NA	NA	NA	NA	NA	NA	
s96t003346	8	3	2	960520	sub-s	50.59	NA					
s96t003346	8	3	1	960520	sub-s	51.24	NA					
s96t003362	8	3	2	960520	sub-s	52.70	NA					
s96t003362	8	3	1	960520	sub-s	52.90	NA					
s96t003362	8	3	2	960520	sub-s	NA	0.099					
s96t003362	8	3	1	960520	sub-s	NA	0.110					
s96t003346	8	3	1	960520	sub-s	NA	0.235					
s96t003346	8	3	2	960520	sub-s	NA	0.396					
s96t003346	8	3	3	960520	sub-s	NA	0.411					
					s111r8s3	50.9	0.347	0.708	1.707	-0.459	-3.306	
s96t003348	8	4	2	960520	sub-s	35.23	NA					
s96t003348	8	4	1	960520	sub-s	41.19	NA					
s96t003347	8	4	1	960520	sub-s	43.02	NA					
s96t003347	8	4	2	960520	sub-s	43.02	NA					
s96t003347	8	4	1	960520	sub-s	NA	0.309					
s96t003348	8	4	2	960520	sub-s	NA	0.370					
s96t003348	8	4	1	960520	sub-s	NA	0.379					
s96t003347	8	4	2	960520	sub-s	NA	0.424					
					s111r8s4	40.6	0.37	0.624	1.609	-0.431	-3.436	
s96t003349	8	5	1	960520	sub-s	26.76	NA					
s96t003349	8	5	2	960520	sub-s	29.40	NA					
s96t003350	8	5	2	960520	sub-s	34.10	NA					
s96t003350	8	5	1	960520	sub-s	38.87	NA					
s96t003349	8	5	1	960520	sub-s	NA	0.195					
s96t003350	8	5	1	960520	sub-s	NA	0.214					
s96t003350	8	5	2	960520	sub-s	NA	0.237					
s96t003349	8	5	2	960520	sub-s	NA	0.247					
					s111r8s5	32.3	0.223	0.33	1.509	-0.651	-4.089	
s96t003351	8	6	1	960520	sub-s	26.70	NA					
s96t003351	8	6	2	960520	sub-s	26.70	NA					
s96t003352	8	6	2	960520	sub-s	29.41	NA					

s96t003352	8	6	1	960520	sub-s	29.48	NA					
s96t003352	8	6	2	960520	sub-s	NA	0.227					
s96t003352	8	6	1	960520	sub-s	NA	0.251					
s96t003351	8	6	2	960520	sub-s	NA	0.265					
s96t003351	8	6	1	960520	sub-s	NA	0.269					
					s111r8s6	28.1	0.253	0.352	1.448	-0.597	-4.023	
s96t003354	8	7	2	960520	sub-s	20.61	NA					
s96t003354	8	7	1	960520	sub-s	22.70	NA					
s96t003353	8	7	2	960520	sub-s	27.03	NA					
s96t003353	8	7	1	960520	sub-s	27.89	NA					
s96t003354	8	7	2	960520	sub-s	NA	0.173					
s96t003354	8	7	1	960520	sub-s	NA	0.174					
s96t003353	8	7	2	960520	sub-s	NA	0.253					
s96t003353	8	7	1	960520	sub-s	NA	0.294					
					s111r8s7	24.6	0.224	0.296	1.39	-0.651	-4.197	
s96t003356	8	8	1	960520	sub-s	22.45	NA					
s96t003355	8	8	2	960520	sub-s	22.73	NA					
s96t003355	8	8	1	960520	sub-s	23.05	NA					
s96t003356	8	8	2	960520	sub-s	27.67	NA					
s96t003355	8	8	2	960520	sub-s	NA	0.158					
s96t003355	8	8	3	960520	sub-s	NA	0.169					
s96t003356	8	8	1	960520	sub-s	NA	0.179					
s96t003356	8	8	2	960520	sub-s	NA	0.211					
s96t003355	8	8	1	960520	sub-s	NA	0.212					
					s111r8s8	24	0.186	0.244	1.38	-0.731	-4.392	
s96t003357	8	9	2	960520	sub-s	29.69	NA					
s96t003357	8	9	1	960520	sub-s	30.11	NA					
s96t003358	8	9	2	960520	sub-s	34.54	NA					
s96t003358	8	9	1	960520	sub-s	37.55	NA					
s96t003358	8	9	2	960520	sub-s	NA	0.136					
s96t003358	8	9	1	960520	sub-s	NA	0.157					
s96t003357	8	9	2	960520	sub-s	NA	0.237					
s96t003357	8	9	1	960520	sub-s	NA	0.245					
					s111r8s9	33	0.194	0.289	1.518	-0.713	-4.222	
1001-c	na1	NA	1	NA	sub-s	10.70	NA					
					s111rna18s-4263	10.7	NA	NA	1.029	NA	NA	
1001-c	na1	NA	1	NA	sub-s	NA	0.102					
					s111rna19s-4264	24.6	0.102	0.135	1.392	-0.993	-4.993	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc

```
1009-c       na2   NA    1 del.dat 780825 sub-s 18.1    NA
1009-c       na2   NA    1 del.dat 780825 sub-s   NA 2.335
1003/1004-c  na2   NA    1 del.dat 780825 sub-s 17.4    NA
1003/1004-c  na2   NA    1 del.dat 780825 sub-s   NA 1.540
```

Summary for Tank s112

Tank Statistics

wet.waste.vol	=	1980	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1897	dry.sterr.top	=	0.8727
dry.waste.vol	=	1364	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1306	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1602	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	6.09e-09	5.79e-08	5.34e-07	5.69e-06	0.000147	0.00261	0.111	3.73
Dry	2.66e-05	8.85e-05	0.000289	0.00104	0.00515	0.0161	0.0922	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank sx101

Tank Statistics

wet.waste.vol	=	1722	dry.mu.top	=	-4.285
wet.vol.top	=	82.09	dry.mu.bot	=	-4.856
wet.vol.bot	=	1640	dry.sterr.top	=	0.3853
dry.waste.vol	=	1323	dry.sterr.bot	=	0.1849
dry.vol.top	=	53.62	dry.corr	=	0.1624
dry.vol.bot	=	1269	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	16
h2o.mu.top	=	-0.6332	toc.mu.top	=	-4.758
h2o.mu.bot	=	-1.229	toc.mu.bot	=	-5.242
h2o.sterr.top	=	0.2672	toc.sterr.top	=	0.3729
h2o.sterr.bot	=	0.132	toc.sterr.bot	=	0.1723
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	16	toc.nobs	=	16
h2o.mu	=	-1.16	toc.mu	=	-5.22
rw.h2o.mu	=	0.06724	rw.toc.mu	=	4.511
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.04e-11	2.21e-11	4.79e-11	1.18e-10	5.18e-10	2.14e-09	2.38e-08	8.39e-07
Dry	1.07e-06	1.66e-06	2.64e-06	4.55e-06	9.82e-06	1.88e-05	6.24e-05	0.333

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t002405	225	1	2	980430	surfa	50.55	NA				
s97t002405	225	1	1	980430	surfa	50.65	NA				
s97t002410	225	1	1	980430	surfa	50.91	NA				
s97t002410	225	1	2	980430	surfa	51.06	NA				
s98t001090	225	1	2	980430	surfa	NA	0.025				
s98t001090	225	1	1	980430	surfa	NA	0.027				
s97t002405	225	1	1	980430	surfa	NA	0.040				
s97t002405	225	1	2	980430	surfa	NA	0.044				
					sx101r225s1	50.6	0.042	0.085	1.704	-1.377	-5.456
s97t002414	225	2	1	980430	sub-s	42.38	NA				
s97t002414	225	2	2	980430	sub-s	43.04	NA				
s97t002421	225	2	2	980430	sub-s	46.68	NA				

```
s97t002421  225  2      1 980430 sub-s 47.73    NA
s98t001091  225  2      2 980430 sub-s    NA 0.029
s98t001091  225  2      1 980430 sub-s    NA 0.034
s97t002414  225  2      1 980430 sub-s    NA 0.377
s97t002414  225  2      2 980430 sub-s    NA 0.380
                        sx101r225s2  42.7 0.378  0.661  1.631 -0.422 -3.377

s97t002420  225  3      1 980430 sub-s 49.40    NA
s97t002420  225  3      2 980430 sub-s 49.54    NA
s98t001092  225  3      2 980430 sub-s    NA 0.022
s98t001092  225  3      1 980430 sub-s    NA 0.022
s97t002437  225  3      2 980430 sub-s 45.50    NA
s97t002437  225  3      1 980430 sub-s 48.26    NA
s97t002443  225  3      2 980430 sub-s 49.30    NA
s97t002443  225  3      1 980430 sub-s 49.63    NA
s97t002444  225  3      1 980430 sub-s    NA 0.024
s97t002444  225  3      2 980430 sub-s    NA 0.026
s97t002437  225  3      2 980430 sub-s    NA 0.263
s97t002437  225  3      1 980430 sub-s    NA 0.274
                        sx101r225s3  46.9 0.268  0.505  1.671 -0.571 -3.652

s97t002450  225  4      1 980430 sub-s  1.33    NA
s97t002450  225  4      2 980430 sub-s  1.78    NA
s97t002450  225  4      1 980430 sub-s    NA 0.012
s97t002450  225  4      2 980430 sub-s    NA 0.016
                        sx101r225s4  1.56 0.014  0.014  0.192 -1.854 -7.248

s97t002453  225  5      2 980430 sub-s 46.76    NA
s97t002453  225  5      1 980430 sub-s 47.56    NA
s97t002473  225  5      2 980430 sub-s 49.66    NA
s97t002473  225  5      1 980430 sub-s 49.73    NA
s97t002477  225  5      1 980430 sub-s    NA 0.009
s97t002477  225  5      2 980430 sub-s    NA 0.031
s97t002453  225  5      2 980430 sub-s    NA 0.220
s97t002453  225  5      1 980430 sub-s    NA 0.257
s97t002452  225  5      2 980430 sub-s 47.14    NA
s97t002452  225  5      1 980430 sub-s 48.63    NA
s97t002472  225  5      2 980430 sub-s 49.66    NA
s97t002472  225  5      1 980430 sub-s 49.78    NA
s97t002476  225  5      2 980430 sub-s    NA 0.034
s97t002476  225  5      1 980430 sub-s    NA 0.048
s97t002452  225  5      1 980430 sub-s    NA 0.444
s97t002452  225  5      2 980430 sub-s    NA 0.449
                        sx101r225s5  47.5 0.342  0.653  1.677 -0.465 -3.389

s97t002451  225  6      2 980430 sub-s  4.81    NA
```

```
s97t002451  225  6      1 980430 sub-s  6.22    NA
s97t002480  225  6      2 980430 sub-s  9.65    NA
s97t002480  225  6      1 980430 sub-s 10.85    NA
s97t002480  225  6      1 980430 sub-s    NA 0.020
s97t002480  225  6      2 980430 sub-s    NA 0.023
s97t002451  225  6      1 980430 sub-s    NA 0.370
s97t002451  225  6      2 980430 sub-s    NA 0.422
                          sx101r225s6  7.88 0.209  0.227  0.897 -0.681 -4.469

s97t002497  225  7      1 980430 sub-s  7.00    NA
s97t002497  225  7      2 980430 sub-s  7.97    NA
s97t002497  225  7      2 980430 sub-s    NA 0.013
s97t002497  225  7      1 980430 sub-s    NA 0.024
s97t002498  225  7      2 980430 sub-s 45.82    NA
s97t002498  225  7      1 980430 sub-s 45.84    NA
s98t000004  225  7      2 980430 sub-s 49.36    NA
s98t000004  225  7      1 980430 sub-s 49.49    NA
s98t000005  225  7      1 980430 sub-s    NA 0.020
s98t000005  225  7      2 980430 sub-s    NA 0.023
s97t002498  225  7      1 980430 sub-s    NA 0.205
s97t002498  225  7      2 980430 sub-s    NA 0.235
s97t002499  225  7      1 980430 sub-s  7.08    NA
s97t002499  225  7      2 980430 sub-s  7.18    NA
s97t002499  225  7      2 980430 sub-s    NA 0.011
s97t002499  225  7      1 980430 sub-s    NA 0.013
                          sx101r225s7  20.1 *****  0.105  1.304 -1.078 -5.247

s97t002500  225  8      1 980430 sub-s 46.89    NA
s97t002500  225  8      2 980430 sub-s 47.92    NA
s98t000008  225  8      2 980430 sub-s 48.17    NA
s98t000008  225  8      1 980430 sub-s 49.07    NA
s97t002500  225  8      2 980430 sub-s    NA 0.002
s98t000009  225  8      1 980430 sub-s    NA 0.027
s98t000009  225  8      2 980430 sub-s    NA 0.029
s97t002500  225  8      1 980430 sub-s    NA 0.067
                          sx101r225s8  47.4 *****  0.066  1.676  -1.46 -5.711

s98t000406  225  999    2 980430 sub-s 36.62    NA
s98t000406  225  999    1 980430 sub-s 41.51    NA
s98t000406  225  999    1 980430 sub-s    NA 0.087
s98t000406  225  999    2 980430 sub-s    NA 0.148
                         sx101r225s999  39.1 0.117  0.193  1.592  -0.93 -4.632

s98t000335  227  1      2 980430 surfa 35.06    NA
s98t000335  227  1      1 980430 surfa 38.89    NA
s98t000337  227  1      1 980430 surfa 39.38    NA
```

```
s98t000337  227  1      2 980430 surfa 40.73    NA
s98t000335  227  1      1 980430 surfa    NA 0.469
s98t000335  227  1      2 980430 surfa    NA 0.545
s98t000337  227  1      2 980430 surfa    NA 0.872
s98t000337  227  1      1 980430 surfa    NA 1.100
                          sx101r227s1  38.5 0.747  1.214  1.586 -0.127 -2.739

s98t000347  227  2      1 980430 sub-s 39.94    NA
s98t000347  227  2      2 980430 sub-s 40.02    NA
s98t000347  227  2      1 980430 sub-s    NA 0.705
s98t000347  227  2      2 980430 sub-s    NA 0.769
                          sx101r227s2    40 0.737  1.228  1.602 -0.133 -2.727

s98t000348  227  4      2 980430 sub-s 32.50    NA
s98t000348  227  4      1 980430 sub-s 35.71    NA
s98t000348  227  4      2 980430 sub-s    NA 0.050
s98t000348  227  4      1 980430 sub-s    NA 0.059
                          sx101r227s4  34.1 *****  0.083  1.533 -1.263 -5.483

s98t000349  227  5      2 980430 sub-s 29.81    NA
s98t000349  227  5      1 980430 sub-s 33.61    NA
s98t000373  227  5      1 980430 sub-s 48.54    NA
s98t000373  227  5      2 980430 sub-s 48.89    NA
s98t000374  227  5      1 980430 sub-s    NA 0.016
s98t000374  227  5      2 980430 sub-s    NA 0.029
s98t000349  227  5      2 980430 sub-s    NA 0.054
s98t000349  227  5      1 980430 sub-s    NA 0.061
s98t000350  227  5      1 980430 sub-s  4.92    NA
s98t000351  227  5      2 980430 sub-s  6.11    NA
s98t000350  227  5      2 980430 sub-s  6.36    NA
s98t000351  227  5      1 980430 sub-s  7.56    NA
s98t000351  227  5      2 980430 sub-s    NA 0.004
s98t000350  227  5      2 980430 sub-s    NA 0.008
s98t000351  227  5      1 980430 sub-s    NA 0.011
s98t000350  227  5      1 980430 sub-s    NA 0.027
                          sx101r227s5  14.7 *****  0.032  1.168  -1.56 -6.427

s98t000433  227  6      2 980430 sub-s  3.23    NA
s98t000433  227  6      1 980430 sub-s  4.32    NA
s98t000434  227  6      2 980430 sub-s  5.45    NA
s98t000434  227  6      1 980430 sub-s  6.21    NA
s98t000434  227  6      2 980430 sub-s    NA 0.012
s98t000433  227  6      1 980430 sub-s    NA 0.012
s98t000434  227  6      1 980430 sub-s    NA 0.015
s98t000433  227  6      2 980430 sub-s    NA 0.190
                          sx101r227s6   4.8 *****   0.06  0.681 -1.241 -5.802
```

s98t000435	227	7	1	980430	sub-s	8.30	NA					
s98t000435	227	7	2	980430	sub-s	9.12	NA					
s98t000449	227	7	2	980430	sub-s	47.31	NA					
s98t000449	227	7	1	980430	sub-s	48.12	NA					
s98t000435	227	7	1	980430	sub-s	NA	0.013					
s98t000435	227	7	2	980430	sub-s	NA	0.015					
s98t000450	227	7	2	980430	sub-s	NA	0.023					
s98t000450	227	7	1	980430	sub-s	NA	0.025					
s98t000553	227	7	1	980430	sub-s	13.27	NA					
s98t000553	227	7	2	980430	sub-s	14.09	NA					
s98t000553	227	7	2	980430	sub-s	NA	0.030					
s98t000553	227	7	1	980430	sub-s	NA	0.036					
				sx101r227s7		11.2	*****	0.027	1.049	-1.625	-6.617	
s98t000682	227	999	1	980430	sub-s	22.95	NA					
s98t000682	227	999	2	980430	sub-s	23.62	NA					
s98t000682	227	999	2	980430	sub-s	NA	0.135					
s98t000682	227	999	1	980430	sub-s	NA	0.225					
				sx101r227s999		23.3	0.18	0.235	1.367	-0.745	-4.434	

Summary for Tank sx102

Tank Statistics

wet.waste.vol	=	2055	dry.mu.top	=	-3.395
wet.vol.top	=	82.09	dry.mu.bot	=	-3.796
wet.vol.bot	=	1973	dry.sterr.top	=	0.5084
dry.waste.vol	=	1427	dry.sterr.bot	=	0.5084
dry.vol.top	=	53.78	dry.corr	=	0.4725
dry.vol.bot	=	1373	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.6418	toc.mu.top	=	-3.735
h2o.mu.bot	=	-0.827	toc.mu.bot	=	-4.259
h2o.sterr.top	=	0.8231	toc.sterr.top	=	0.4928
h2o.sterr.bot	=	0.8194	toc.sterr.bot	=	0.492
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	2
h2o.mu	=	NaN	toc.mu	=	-3.881
rw.h2o.mu	=	0.1521	rw.toc.mu	=	4.526
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	8.43e-07	3.63e-06	1.32e-05	6.24e-05	0.000472	0.00226	0.026	0.814
Dry	0.000346	0.0006	0.00105	0.002	0.00467	0.00915	0.0279	0.584

Data From Tank

```
lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
t-2959  na7   NA   NA   NA surfa   NA 0.817
                ********** 34.5 0.817  1.247  1.538 -0.088 -2.711

NA      na8   NA   NA   NA sub-s   NA 0.198
                ********** 30.4 0.198  0.285  1.483 -0.703 -4.238
```

Summary for Tank sx103

Tank Statistics

wet.waste.vol	=	2464	dry.mu.top	=	-3.9
wet.vol.top	=	82.09	dry.mu.bot	=	-3.9
wet.vol.bot	=	2382	dry.sterr.top	=	0.8954
dry.waste.vol	=	1697	dry.sterr.bot	=	0.8954
dry.vol.top	=	58.27	dry.corr	=	0.7694
dry.vol.bot	=	1639	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.315
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.439
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9451
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9426
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1605	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.87e-07	1.79e-06	1.72e-05	0.000159	0.00346	0.055	1.5	62.6
Dry	0.000143	0.000442	0.00132	0.00434	0.0181	0.0488	0.204	0.812

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s97t001400	9	1	1	del.sup	970606	super	49.02	NA
s97t001400	9	1	2	del.sup	970606	super	49.21	NA
s97t001402	9	1	1	del.sup	970606	super	47.97	NA
s97t001402	9	1	2	del.sup	970606	super	47.60	NA
s97t001404	9	1	1	del.sup	970606	super	47.67	NA
s97t001404	9	1	2	del.sup	970606	super	47.59	NA
s97t001409	9	1	1	del.sup	970606	super	46.81	0.081
s97t001409	9	1	2	del.sup	970606	super	46.90	0.076
s97t001411	9	1	1	del.sup	970606	super	46.78	0.881
s97t001411	9	1	2	del.sup	970606	super	42.34	0.849

Summary for Tank sx104

Tank Statistics

wet.waste.vol	=	2324	dry.mu.top	=	-3.9
wet.vol.top	=	82.09	dry.mu.bot	=	-3.9
wet.vol.bot	=	2242	dry.sterr.top	=	0.8954
dry.waste.vol	=	1614	dry.sterr.bot	=	0.8954
dry.vol.top	=	53.78	dry.corr	=	0.7694
dry.vol.bot	=	1560	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.6418	toc.mu.top	=	-4.315
h2o.mu.bot	=	-0.827	toc.mu.bot	=	-4.439
h2o.sterr.top	=	0.8231	toc.sterr.top	=	0.9451
h2o.sterr.bot	=	0.8194	toc.sterr.bot	=	0.9426
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1517	rw.toc.mu	=	4.526
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.93e-07	1.28e-06	1.18e-05	9.84e-05	0.0015	0.0169	0.366	25.6
Dry	0.000142	0.00044	0.00132	0.00433	0.0181	0.0488	0.204	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank sx105

Tank Statistics

wet.waste.vol	=	2585	dry.mu.top	=	-3.9
wet.vol.top	=	82.09	dry.mu.bot	=	-3.9
wet.vol.bot	=	2503	dry.sterr.top	=	0.8954
dry.waste.vol	=	1795	dry.sterr.bot	=	0.8954
dry.vol.top	=	53.78	dry.corr	=	0.7694
dry.vol.bot	=	1741	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.6418	toc.mu.top	=	-4.315
h2o.mu.bot	=	-0.827	toc.mu.bot	=	-4.439
h2o.sterr.top	=	0.8231	toc.sterr.top	=	0.9451
h2o.sterr.bot	=	0.8194	toc.sterr.bot	=	0.9426
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1514	rw.toc.mu	=	4.526
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.08e-07	1.13e-06	1.36e-05	0.000206	0.00453	0.0278	0.705	42.7
Dry	0.00014	0.000434	0.00131	0.0043	0.0182	0.0488	0.204	0.653

Data From Tank

No Data Associated with This Tank

Summary for Tank sx106

Tank Statistics

wet.waste.vol	=	1805	dry.mu.top	=	-3.43
wet.vol.top	=	82.09	dry.mu.bot	=	-3.407
wet.vol.bot	=	1723	dry.sterr.top	=	0.6046
dry.waste.vol	=	1165	dry.sterr.bot	=	0.2602
dry.vol.top	=	49.97	dry.corr	=	0.3286
dry.vol.bot	=	1115	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	7
h2o.mu.top	=	-0.4418	toc.mu.top	=	-3.79
h2o.mu.bot	=	-0.6052	toc.mu.bot	=	-3.875
h2o.sterr.top	=	0.4094	toc.sterr.top	=	0.6229
h2o.sterr.bot	=	0.1891	toc.sterr.bot	=	0.2433
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	7	toc.nobs	=	7
h2o.mu	=	-0.592	toc.mu	=	-3.862
rw.h2o.mu	=	0.2534	rw.toc.mu	=	4.543
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.24e-07	7.3e-07	1.56e-06	4.69e-06	1.73e-05	8.52e-05	0.00158	0.0555
Dry	0.0015	0.00204	0.00279	0.00398	0.00632	0.00911	0.0161	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t002259	223	10	1	NA	sub-s	21.65	0.400				
s97t002262	223	10	1	NA	sub-s	21.55	0.323				
s97t002259	223	10	2	NA	sub-s	26.86	0.399				
s97t002262	223	10	2	NA	sub-s	23.04	0.354				
s97t002262	223	10	1	980430	sub-s	21.55	NA				
s97t002259	223	10	1	980430	sub-s	21.65	NA				
s97t002262	223	10	2	980430	sub-s	23.04	NA				
s97t002259	223	10	2	980430	sub-s	26.86	NA				
s97t002262	223	10	1	980430	sub-s	NA	0.323				
s97t002262	223	10	2	980430	sub-s	NA	0.354				
s97t002259	223	10	2	980430	sub-s	NA	0.399				
s97t002259	223	10	1	980430	sub-s	NA	0.400				
				sx106r223s10		23.3	0.369	0.481	1.367	-0.433	-3.703

s98t000692	223	6	2	980430	sub-s	65.99	NA					
s98t000692	223	6	1	980430	sub-s	67.04	NA					
s98t000692	223	6	2	980430	sub-s	NA	0.244					
s98t000692	223	6	1	980430	sub-s	NA	0.245					
s98t000697	223	6	1	980430	sub-s	66.83	NA					
s98t000697	223	6	2	980430	sub-s	67.48	NA					
s98t000697	223	6	1	980430	sub-s	NA	0.257					
s98t000697	223	6	2	980430	sub-s	NA	0.266					
				sx106r223s6		NA	NA	NA	NA	NA	NA	
s97t002220	223	7	1	NA	sub-s	42.17	0.637					
s97t002226	223	7	1	NA	sub-s	42.24	0.504					
s97t002220	223	7	2	NA	sub-s	41.90	0.645					
s97t002226	223	7	2	NA	sub-s	42.32	0.487					
s97t002220	223	7	2	980430	sub-s	41.90	NA					
s97t002220	223	7	1	980430	sub-s	42.17	NA					
s97t002226	223	7	1	980430	sub-s	42.24	NA					
s97t002226	223	7	2	980430	sub-s	42.32	NA					
s97t002226	223	7	2	980430	sub-s	NA	0.487					
s97t002226	223	7	1	980430	sub-s	NA	0.504					
s97t002220	223	7	1	980430	sub-s	NA	0.637					
s97t002220	223	7	2	980430	sub-s	NA	0.645					
				sx106r223s7		42.2	0.568	0.982	1.625	-0.245	-2.963	
s97t002223	223	8	1	NA	sub-s	42.74	0.445					
s97t002229	223	8	1	NA	sub-s	37.28	0.293					
s97t002223	223	8	2	NA	sub-s	45.53	0.463					
s97t002229	223	8	1	980430	sub-s	37.28	NA					
s97t002229	223	8	2	980430	sub-s	41.29	NA					
s97t002223	223	8	1	980430	sub-s	42.74	NA					
s97t002223	223	8	2	980430	sub-s	45.53	NA					
s97t002229	223	8	1	980430	sub-s	NA	0.293					
s97t002229	223	8	2	980430	sub-s	NA	0.308					
s97t002223	223	8	1	980430	sub-s	NA	0.445					
s97t002223	223	8	2	980430	sub-s	NA	0.463					
				sx106r223s8		41.8	0.387	0.665	1.621	-0.412	-3.37	
s98t000698	223	9	2	980430	sub-s	61.70	NA					
s98t000698	223	9	1	980430	sub-s	62.03	NA					
				sx106r223s9		NA	NA	NA	NA	NA	NA	
s98t000712	224	10	2	980430	sub-s	54.93	NA					
s98t000712	224	10	1	980430	sub-s	56.19	NA					
s98t000712	224	10	1	980430	sub-s	NA	0.224					
s98t000712	224	10	2	980430	sub-s	NA	0.344					

				sx106r224s10	NA	NA	NA	NA	NA	NA		
s97t002395	224	11	1	NA	sub-s	30.96	0.381					
s97t002400	224	11	1	NA	sub-s	46.14	0.360					
s97t002395	224	11	2	NA	sub-s	31.57	0.386					
s97t002400	224	11	2	NA	sub-s	42.85	0.281					
s97t002395	224	11	1	980430	sub-s	30.96	NA					
s97t002395	224	11	2	980430	sub-s	31.57	NA					
s97t002400	224	11	2	980430	sub-s	42.85	NA					
s97t002400	224	11	1	980430	sub-s	46.14	NA					
s97t002400	224	11	2	980430	sub-s	NA	0.281					
s97t002400	224	11	1	980430	sub-s	NA	0.360					
s97t002395	224	11	1	980430	sub-s	NA	0.381					
s97t002395	224	11	2	980430	sub-s	NA	0.386					
				sx106r224s11	37.9	0.352	0.567	1.578	-0.453	-3.535		
s97t002349	224	6	1	NA	sub-s	43.10	0.611					
s97t002350	224	6	1	NA	sub-s	42.73	0.641					
s97t002349	224	6	2	NA	sub-s	43.88	0.664					
s97t002350	224	6	2	NA	sub-s	43.10	0.603					
s97t002350	224	6	1	980430	sub-s	42.73	NA					
s97t002349	224	6	1	980430	sub-s	43.10	NA					
s97t002350	224	6	2	980430	sub-s	43.10	NA					
s97t002349	224	6	2	980430	sub-s	43.88	NA					
s97t002350	224	6	2	980430	sub-s	NA	0.603					
s97t002349	224	6	1	980430	sub-s	NA	0.611					
s97t002350	224	6	1	980430	sub-s	NA	0.641					
s97t002349	224	6	2	980430	sub-s	NA	0.664					
				sx106r224s6	43.2	0.63	1.109	1.636	-0.201	-2.835		
s98t000711	224	7	1	980430	sub-s	55.93	NA					
s98t000711	224	7	2	980430	sub-s	62.02	NA					
s98t000711	224	7	1	980430	sub-s	NA	0.215					
s98t000711	224	7	2	980430	sub-s	NA	0.335					
				sx106r224s7	NA	NA	NA	NA	NA	NA		
s97t002351	224	8	1	NA	sub-s	26.07	0.388					
s97t002352	224	8	1	NA	sub-s	35.55	0.503					
s97t002229	224	8	2	NA	sub-s	41.29	0.308					
s97t002351	224	8	2	NA	sub-s	31.08	0.397					
s97t002352	224	8	2	NA	sub-s	35.28	0.487					
s97t002351	224	8	1	980430	sub-s	26.07	NA					
s97t002351	224	8	2	980430	sub-s	31.08	NA					
s97t002352	224	8	2	980430	sub-s	35.28	NA					
s97t002352	224	8	1	980430	sub-s	35.55	NA					
s97t002351	224	8	1	980430	sub-s	NA	0.388					

s97t002351	224	8	2	980430	sub-s	NA	0.397				
s97t002352	224	8	2	980430	sub-s	NA	0.487				
s97t002352	224	8	1	980430	sub-s	NA	0.503				
					sx106r224s8	33	0.429	0.64	1.519	-0.368	-3.409
s97t002385	224	9	1	NA	sub-s	29.97	0.300				
s97t002390	224	9	1	NA	sub-s	35.60	0.260				
s97t002385	224	9	2	NA	sub-s	31.57	0.261				
s97t002390	224	9	2	NA	sub-s	24.54	0.213				
s97t002390	224	9	2	980430	sub-s	24.54	NA				
s97t002385	224	9	1	980430	sub-s	29.97	NA				
s97t002385	224	9	2	980430	sub-s	31.57	NA				
s97t002390	224	9	1	980430	sub-s	35.60	NA				
s97t002390	224	9	2	980430	sub-s	NA	0.213				
s97t002390	224	9	1	980430	sub-s	NA	0.260				
s97t002385	224	9	2	980430	sub-s	NA	0.261				
s97t002385	224	9	1	980430	sub-s	NA	0.300				
					sx106r224s9	30.4	0.258	0.372	1.483	-0.588	-3.967

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
8301	na2	NA	1	del.sup	780418	super	46.10	NA
8301	na2	NA	1	del.sup	780418	super	NA	5.961
s97t002176	223	1	1	del.sup	NA	super	36.45	0.124
s97t002183	223	2	1	del.sup	NA	super	51.38	0.263
s97t002191	223	3	1	del.sup	NA	super	28.75	0.136
s97t002192	223	4	1	del.sup	NA	super	37.69	0.125
s97t002218	223	5	1	del.sup	NA	super	48.22	0.364
s97t002318	224	1	1	del.sup	NA	super	49.97	0.272
s97t002333	224	3	1	del.sup	NA	super	48.82	0.141
s97t002347	224	5	1	del.sup	NA	super	43.46	0.617
s97t002348	224	5	1	del.sup	NA	super	48.71	0.183
s97t002176	223	1	2	del.sup	NA	super	34.73	0.126
s97t002183	223	2	2	del.sup	NA	super	49.47	0.286
s97t002191	223	3	2	del.sup	NA	super	37.19	0.122
s97t002192	223	4	2	del.sup	NA	super	35.51	0.203
s97t002218	223	5	2	del.sup	NA	super	48.65	0.356
s97t002318	224	1	2	del.sup	NA	super	49.40	0.231
s97t002333	224	3	2	del.sup	NA	super	48.82	0.127
s97t002347	224	5	2	del.sup	NA	super	45.21	0.579
s97t002348	224	5	2	del.sup	NA	super	48.85	0.174
s97t002179	223	1	1	del.sup	NA	super	19.34	0.271
s97t002188	223	2	1	del.sup	NA	super	50.95	NA
s97t002199	223	3	1	del.sup	NA	super	51.22	0.260
s97t002200	223	4	1	del.sup	NA	super	51.45	0.291
s97t002215	223	5	1	del.sup	NA	super	49.84	0.313

s97t002323	224	1	1	del.sup	NA	super	51.06	0.273
s97t002371	224	3	1	del.sup	NA	super	51.20	0.289
s97t002372	224	5	1	del.sup	NA	super	50.31	0.280
s97t002179	223	1	2	del.sup	NA	super	22.37	0.273
s97t002188	223	2	2	del.sup	NA	super	50.77	NA
s97t002199	223	3	2	del.sup	NA	super	51.23	0.287
s97t002200	223	4	2	del.sup	NA	super	51.53	0.309
s97t002215	223	5	2	del.sup	NA	super	49.85	0.322
s97t002323	224	1	2	del.sup	NA	super	49.57	0.290
s97t002371	224	3	2	del.sup	NA	super	51.06	0.288
s97t002372	224	5	2	del.sup	NA	super	49.20	0.288
s97t002179	223	1	1	del.sup	980430	super	19.34	NA
s97t002179	223	1	2	del.sup	980430	super	22.37	NA
s97t002179.1	223	1	1	del.sup	980430	super	30.97	NA
s97t002176	223	1	2	del.sup	980430	super	34.73	NA
s97t002179.1	223	1	2	del.sup	980430	super	35.11	NA
s97t002176	223	1	1	del.sup	980430	super	36.45	NA
s97t002318	224	1	2	del.sup	980430	super	49.40	NA
s97t002323	224	1	2	del.sup	980430	super	49.57	NA
s97t002318	224	1	1	del.sup	980430	super	49.97	NA
s97t002323	224	1	1	del.sup	980430	super	51.06	NA
s97t002176	223	1	1	del.sup	980430	super	NA	0.124
s97t002176	223	1	2	del.sup	980430	super	NA	0.126
s97t002318	224	1	2	del.sup	980430	super	NA	0.231
s97t002318	224	1	1	del.sup	980430	super	NA	0.272
s97t002179	223	1	1	del.sup	980430	super	NA	0.295
s97t002179	223	1	2	del.sup	980430	super	NA	0.297
s97t002323	224	1	1	del.sup	980430	super	NA	0.298
s97t002323	224	1	2	del.sup	980430	super	NA	0.316
s97t002183	223	2	2	del.sup	980430	super	49.47	NA
s97t002188	223	2	2	del.sup	980430	super	50.77	NA
s97t002188	223	2	1	del.sup	980430	super	50.95	NA
s97t002183	223	2	1	del.sup	980430	super	51.38	NA
s98t000709	224	2	2	del.sup	980430	super	69.89	NA
s98t000709	224	2	1	del.sup	980430	super	70.32	NA
s98t000709	224	2	1	del.sup	980430	super	NA	0.157
s98t000709	224	2	2	del.sup	980430	super	NA	0.158
s97t002183	223	2	1	del.sup	980430	super	NA	0.263
s97t002183	223	2	2	del.sup	980430	super	NA	0.286
s97t002188	223	2	2	del.sup	980430	super	NA	0.296
s97t002188	223	2	1	del.sup	980430	super	NA	0.298
s97t002191	223	3	1	del.sup	980430	super	28.75	NA
s97t002191	223	3	2	del.sup	980430	super	37.19	NA
s97t002333	224	3	1	del.sup	980430	super	48.82	NA
s97t002333	224	3	2	del.sup	980430	super	48.82	NA
s97t002371	224	3	2	del.sup	980430	super	51.06	NA

s97t002371	224	3	1	del.sup	980430	super	51.20	NA
s97t002199	223	3	1	del.sup	980430	super	51.22	NA
s97t002199	223	3	2	del.sup	980430	super	51.23	NA
s97t002191	223	3	2	del.sup	980430	super	NA	0.122
s97t002333	224	3	2	del.sup	980430	super	NA	0.127
s97t002191	223	3	1	del.sup	980430	super	NA	0.136
s97t002333	224	3	1	del.sup	980430	super	NA	0.141
s97t002199	223	3	1	del.sup	980430	super	NA	0.283
s97t002199	223	3	2	del.sup	980430	super	NA	0.312
s97t002371	224	3	2	del.sup	980430	super	NA	0.314
s97t002371	224	3	1	del.sup	980430	super	NA	0.315
s97t002192	223	4	2	del.sup	980430	super	35.51	NA
s97t002192	223	4	1	del.sup	980430	super	37.69	NA
s97t002200	223	4	1	del.sup	980430	super	51.45	NA
s97t002200	223	4	2	del.sup	980430	super	51.53	NA
s98t000710	224	4	2	del.sup	980430	super	66.32	NA
s98t000710	224	4	1	del.sup	980430	super	68.42	NA
s97t002192	223	4	1	del.sup	980430	super	NA	0.125
s98t000710	224	4	1	del.sup	980430	super	NA	0.141
s98t000710	224	4	2	del.sup	980430	super	NA	0.149
s97t002192	223	4	2	del.sup	980430	super	NA	0.203
s97t002200	223	4	1	del.sup	980430	super	NA	0.317
s97t002200	223	4	2	del.sup	980430	super	NA	0.336
s97t002347	224	5	1	del.sup	980430	super	43.46	NA
s97t002347	224	5	2	del.sup	980430	super	45.21	NA
s97t002218	223	5	1	del.sup	980430	super	48.22	NA
s97t002218	223	5	2	del.sup	980430	super	48.65	NA
s97t002348	224	5	1	del.sup	980430	super	48.71	NA
s97t002348	224	5	2	del.sup	980430	super	48.85	NA
s97t002372	224	5	2	del.sup	980430	super	49.20	NA
s97t002215	223	5	1	del.sup	980430	super	49.84	NA
s97t002215	223	5	2	del.sup	980430	super	49.85	NA
s97t002372	224	5	1	del.sup	980430	super	50.31	NA
s97t002348	224	5	2	del.sup	980430	super	NA	0.174
s97t002348	224	5	1	del.sup	980430	super	NA	0.183
s97t002372	224	5	1	del.sup	980430	super	NA	0.305
s97t002372	224	5	2	del.sup	980430	super	NA	0.314
s97t002215	223	5	1	del.sup	980430	super	NA	0.341
s97t002215	223	5	2	del.sup	980430	super	NA	0.346
s97t002218	223	5	2	del.sup	980430	super	NA	0.356
s97t002218	223	5	1	del.sup	980430	super	NA	0.364
s97t002347	224	5	2	del.sup	980430	super	NA	0.579
s97t002347	224	5	1	del.sup	980430	super	NA	0.617

Summary for Tank sx107

Tank Statistics

wet.waste.vol	=	393.6	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	311.6	dry.sterr.top	=	0.9397
dry.waste.vol	=	229.8	dry.sterr.bot	=	0.9397
dry.vol.top	=	48.66	dry.corr	=	0.7906
dry.vol.bot	=	181.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.459	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	8.65e-13	1.54e-11	2.68e-10	1.51e-08	8.38e-07	2.95e-05	0.00345	0.754
Dry	4.73e-06	1.91e-05	7.76e-05	0.000341	0.00212	0.00782	0.0495	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank sx108

Tank Statistics

wet.waste.vol	=	329.3	dry.mu.top	=	-5.689
wet.vol.top	=	82.09	dry.mu.bot	=	-5.409
wet.vol.bot	=	247.2	dry.sterr.top	=	0.4492
dry.waste.vol	=	317.6	dry.sterr.bot	=	0.6781
dry.vol.top	=	79.89	dry.corr	=	0.5272
dry.vol.bot	=	237.7	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-3.592	toc.mu.top	=	-5.866
h2o.mu.bot	=	-3.222	toc.mu.bot	=	-5.788
h2o.sterr.top	=	0.3317	toc.sterr.top	=	0.4267
h2o.sterr.bot	=	0.4665	toc.sterr.bot	=	0.688
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-4.152	toc.mu	=	-6.099
rw.h2o.mu	=	0.0005137	rw.toc.mu	=	4.5
h2o.grp	=	dry.saltcake	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.17e-10	1.05e-09	4.49e-09	2.48e-08	2.62e-07	2.66e-06	0.000118	0.0145
Dry	4.74e-09	1.89e-08	6.32e-08	2.35e-07	1.93e-06	9.34e-06	0.000116	0.245

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t002489	16	1	2	950915	surfa	0.40	NA				
s95t002489	16	1	1	950915	surfa	0.50	NA				
s95t002480	16	1	1	950915	surfa	0.50	NA				
s95t002480	16	1	2	950915	surfa	0.50	NA				
s95t002489	16	1	1	950915	surfa	2.70	NA				
s95t002480	16	1	1	950915	surfa	2.86	NA				
s95t002480	16	1	2	950915	surfa	3.48	NA				
s95t002489	16	1	2	950915	surfa	3.56	NA				
s95t002489	16	1	1	950915	surfa	NA	0.006				
s95t002489	16	1	2	950915	surfa	NA	0.013				
s95t002480	16	1	1	950915	surfa	NA	0.014				
s95t002480	16	1	2	950915	surfa	NA	0.015				
					sx108r16s1	2.08	*****	0.012	0.317	-1.923	-7.402

```
s95t002577   7     1    1 950919 surfa 0.54    NA
s95t002567   7     1    1 950919 surfa 0.59    NA
s95t002577   7     1    2 950919 surfa 0.90    NA
s95t002567   7     1    2 950919 surfa 1.62    NA
s96t000660   7     1    2 950919 surfa   NA 0.152
s96t000660   7     1    1 950919 surfa   NA 0.183
                        sx108r7s1 1.16 0.168  0.169  0.063 -0.776 -4.762
```

Summary for Tank sx109

Tank Statistics

wet.waste.vol	=	923.5	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	841.5	dry.sterr.top	=	0.9397
dry.waste.vol	=	637.3	dry.sterr.bot	=	0.9397
dry.vol.top	=	58.27	dry.corr	=	0.7906
dry.vol.bot	=	579	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1586	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.59e-10	1.59e-09	1.65e-08	3.43e-07	1.5e-05	0.00033	0.0104	3.5
Dry	3.82e-06	1.59e-05	6.47e-05	0.000297	0.00196	0.00711	0.0542	0.653

Data From Tank

No Data Associated with This Tank

Summary for Tank sx110

Tank Statistics

wet.waste.vol	=	234.7	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	152.6	dry.sterr.top	=	0.8727
dry.waste.vol	=	163.3	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	105	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1497	rw.toc.mu	=	4.525
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.33e-09	1.31e-08	8.68e-08	1.17e-06	5.07e-05	0.000479	0.0469	7.1
Dry	4.11e-05	0.000131	0.000413	0.00141	0.00625	0.0187	0.073	0.902

Data From Tank

No Data Associated with This Tank

Summary for Tank sx111

Tank Statistics

wet.waste.vol	=	473.1	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	391	dry.sterr.top	=	0.8727
dry.waste.vol	=	327.4	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	269.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1557	rw.toc.mu	=	4.526
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.3e-09	2.04e-08	2.38e-07	2.29e-06	0.000115	0.000754	0.0287	10.1
Dry	3.57e-05	0.000116	0.000366	0.00128	0.00587	0.017	0.0833	0.41

Data From Tank

No Data Associated with This Tank

Summary for Tank sx112

Tank Statistics

wet.waste.vol	=	348.2	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	266.1	dry.sterr.top	=	0.9397
dry.waste.vol	=	241.4	dry.sterr.bot	=	0.9397
dry.vol.top	=	58.27	dry.corr	=	0.7906
dry.vol.bot	=	183.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1536	rw.toc.mu	=	4.526
h2o.grp	=	dry.saltcake	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.89e-11	5.43e-10	1.23e-08	2.77e-07	1.64e-05	0.000159	0.0152	2.18
Dry	4.89e-06	1.98e-05	7.92e-05	0.000349	0.00216	0.00799	0.0489	0.729

Data From Tank

No Data Associated with This Tank

Summary for Tank sx113

Tank Statistics

wet.waste.vol	=	98.41	dry.mu.top	=	-4.565
wet.vol.top	=	82.09	dry.mu.bot	=	-4.565
wet.vol.bot	=	16.32	dry.sterr.top	=	0.9397
dry.waste.vol	=	54.14	dry.sterr.bot	=	0.9397
dry.vol.top	=	45.26	dry.corr	=	0.7906
dry.vol.bot	=	8.879	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.2061	toc.mu.top	=	-5.004
h2o.mu.bot	=	-0.1761	toc.mu.bot	=	-5.128
h2o.sterr.top	=	0.3321	toc.sterr.top	=	0.989
h2o.sterr.bot	=	0.4712	toc.sterr.bot	=	0.9876
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-0.171	toc.mu	=	NaN
rw.h2o.mu	=	0.6295	rw.toc.mu	=	4.607
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.28e-14	3.68e-13	7.27e-12	2.85e-10	1.18e-08	2.07e-07	5e-05	0.0295
Dry	4.42e-06	1.81e-05	7.33e-05	0.000329	0.00207	0.00815	0.047	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000931	6	1	3	950510	surfa	36.01	NA				
s95t000931	6	1	2	950510	surfa	37.15	NA				
s95t000927	6	1	1	950510	surfa	46.41	NA				
s95t000931	6	1	1	950510	surfa	46.81	NA				
s95t000927	6	1	2	950510	surfa	47.77	NA				
					sx113r6s1	42.8	NA	NA	1.632	NA	NA
s95t000923	7	1	2	950509	surfa	42.71	NA				
s95t000923	7	1	1	950509	surfa	46.07	NA				
s95t000919	7	1	1	950509	surfa	52.11	NA				
s95t000919	7	1	2	950509	surfa	53.80	NA				
					sx113r7s1	48.7	NA	NA	1.687	NA	NA

Summary for Tank sx114

Tank Statistics

wet.waste.vol	=	685.1	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	603	dry.sterr.top	=	0.8727
dry.waste.vol	=	473.2	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	414.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1576	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.22e-09	2.5e-08	3.08e-07	3.2e-06	9.49e-05	0.00113	0.0454	0.741
Dry	3.31e-05	0.000106	0.000347	0.0012	0.00565	0.0166	0.0869	0.653

Data From Tank

No Data Associated with This Tank

Summary for Tank sx115

Tank Statistics

wet.waste.vol	=	45.42	dry.mu.top	=	-4.218
wet.vol.top	=	45.42	dry.mu.bot	=	-4.218
wet.vol.bot	=	0	dry.sterr.top	=	0.8727
dry.waste.vol	=	32.24	dry.sterr.bot	=	0.8727
dry.vol.top	=	32.24	dry.corr	=	0.7572
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1274	rw.toc.mu	=	4.522
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.21e-12	7.2e-11	1.03e-09	4.23e-08	2.3e-06	3.42e-05	0.00488	0.587
Dry	1.75e-05	6.42e-05	0.000233	0.000918	0.00487	0.0157	0.0869	1

Data From Tank

No Data Associated with This Tank

Summary for Tank t101

Tank Statistics

wet.waste.vol	=	382.3	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	300.2	dry.sterr.top	=	0.8727
dry.waste.vol	=	223.2	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	174.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4587	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.26e-11	2.8e-10	2.96e-09	5.86e-08	5.47e-06	5.73e-05	0.011	1.89
Dry	3.77e-05	0.00012	0.000381	0.00132	0.00603	0.0176	0.0809	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank t102

Tank Statistics

wet.waste.vol	=	71.92	dry.mu.top	=	-4.592
wet.vol.top	=	71.92	dry.mu.bot	=	-4.716
wet.vol.bot	=	0	dry.sterr.top	=	0.7085
dry.waste.vol	=	42.34	dry.sterr.bot	=	0.5556
dry.vol.top	=	42.34	dry.corr	=	0.5939
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.3589	toc.mu.top	=	-5.131
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-5.388
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	1
h2o.mu	=	NaN	toc.mu	=	-5.695
rw.h2o.mu	=	0.4376	rw.toc.mu	=	4.574
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	4.9e-16	2e-14	2.5e-12	2.17e-10	9.78e-09	2.1e-06	0.00212
Dry	1.6e-06	5.26e-06	1.76e-05	6.56e-05	0.000346	0.00119	0.00867	0.902

Data From Tank

```
    lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
93-08755-c    2  999    2   NA sub-s   NA 0.066                             
93-08755-j    2  999    2   NA sub-s   NA 0.068                             
                       t102r2s999 46.6 0.067  0.126  1.669 -1.174 -5.064
```

Summary for Tank t103

Tank Statistics

wet.waste.vol	=	87.06	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	4.968	dry.sterr.top	=	0.8727
dry.waste.vol	=	50.98	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.33	dry.corr	=	0.7572
dry.vol.bot	=	2.651	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4545	rw.toc.mu	=	4.577
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.99e-12	2.32e-11	3.64e-10	8.38e-09	5.57e-07	7.28e-06	0.000563	0.188
Dry	2.74e-05	9.05e-05	0.000298	0.00108	0.00529	0.0159	0.0844	1

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t002862	2	1	1	del.sup	960501	super	67.02	NA
s96t002862	2	1	2	del.sup	960501	super	72.85	NA
s96t002863	2	1	1	del.sup	960501	super	73.26	NA
s96t002863	2	1	2	del.sup	960501	super	73.27	NA

Summary for Tank t104

Tank Statistics

wet.waste.vol	=	1673	dry.mu.top	=	-4.345
wet.vol.top	=	82.09	dry.mu.bot	=	-4.98
wet.vol.bot	=	1591	dry.sterr.top	=	0.4725
dry.waste.vol	=	625.7	dry.sterr.bot	=	0.2952
dry.vol.top	=	40.36	dry.corr	=	0.3039
dry.vol.bot	=	585.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	6
h2o.mu.top	=	0.03345	toc.mu.top	=	-5.023
h2o.mu.bot	=	0.5412	toc.mu.bot	=	-5.957
h2o.sterr.top	=	0.2659	toc.sterr.top	=	0.4623
h2o.sterr.bot	=	0.1241	toc.sterr.bot	=	0.277
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	18	toc.nobs	=	6
h2o.mu	=	0.4977	toc.mu	=	-5.845
rw.h2o.mu	=	3.359	rw.toc.mu	=	5.071
h2o.grp	=	wet.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	2.54e-17	1.42e-16	1.71e-15	6.69e-14	4.79e-13	7e-11	6.79e-10
Dry	9.71e-07	1.79e-06	3.4e-06	7.18e-06	1.94e-05	4.31e-05	0.00018	0.653

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
k68	3	1	1	920820	surfa	9.52	NA				
k68	3	1	2	920820	surfa	9.72	NA				
k67	3	1	1	920820	surfa	40.90	NA				
k67	3	1	2	920820	surfa	54.50	NA				
					t104r3s1	28.7	NA	NA	1.457	NA	NA
k70	3	2	1	920820	sub-s	40.60	NA				
k70	3	2	2	920820	sub-s	41.10	NA				
k69	3	2	2	920820	sub-s	48.70	NA				
k69	3	2	1	920820	sub-s	52.50	NA				
k25	3	2	2	920820	sub-s	63.90	NA				
k25	3	2	1	920820	sub-s	64.20	NA				
					t104r3s2	51.8	NA	NA	1.715	NA	NA

k71	3	3	1	920820	sub-s	65.10	NA				
k71	3	3	2	920820	sub-s	66.30	NA				
k72	3	3	1	920820	sub-s	68.70	NA				
k72	3	3	2	920820	sub-s	69.30	NA				
k27	3	3	2	920820	sub-s	70.10	NA				
k27	3	3	1	920820	sub-s	70.20	NA				
				t104r3s3		68.3	NA	NA	1.834	NA	NA
k74	3	4	2	920820	sub-s	42.70	NA				
k74	3	4	1	920820	sub-s	43.80	NA				
k75	3	4	2	920820	sub-s	48.60	NA				
k75	3	4	1	920820	sub-s	52.70	NA				
k29	3	4	2	920820	sub-s	70.10	NA				
k29	3	4	1	920820	sub-s	70.40	NA				
				t104r3s4		54.7	NA	NA	1.738	NA	NA
k76	3	5	2	920820	sub-s	53.80	NA				
k77	3	5	1	920820	sub-s	54.20	NA				
k76	3	5	1	920820	sub-s	54.50	NA				
k77	3	5	2	920820	sub-s	56.10	NA				
k33	3	5	2	920820	sub-s	69.50	NA				
k33	3	5	1	920820	sub-s	70.10	NA				
				t104r3s5		59.7	NA	NA	1.776	NA	NA
k79	3	6	1	920820	sub-s	57.50	NA				
k79	3	6	2	920820	sub-s	58.10	NA				
k78	3	6	1	920820	sub-s	62.70	NA				
k78	3	6	2	920820	sub-s	64.00	NA				
k35	3	6	1	920820	sub-s	71.40	NA				
k35	3	6	2	920820	sub-s	71.50	NA				
				t104r3s6		64.2	NA	NA	1.808	NA	NA
k81	3	7	2	920820	sub-s	52.90	NA				
k81	3	7	1	920820	sub-s	57.70	NA				
k82	3	7	2	920820	sub-s	64.80	NA				
k82	3	7	1	920820	sub-s	65.50	NA				
k37	3	7	1	920820	sub-s	70.40	NA				
k37	3	7	2	920820	sub-s	71.10	NA				
				t104r3s7		63.7	NA	NA	1.804	NA	NA
k83	3	8	1	920820	sub-s	59.60	NA				
k83	3	8	2	920820	sub-s	60.20	NA				
k84	3	8	1	920820	sub-s	60.50	NA				
k84	3	8	2	920820	sub-s	62.50	NA				
k39	3	8	1	920820	sub-s	72.50	NA				

					t104r3s8	63.1	NA	NA	1.8	NA	NA	
k86	3	9		2	920820	sub-s	63.60	NA				
k85	3	9		1	920820	sub-s	64.20	NA				
k85	3	9		2	920820	sub-s	64.90	NA				
k86	3	9		1	920820	sub-s	66.90	NA				
k42	3	9		1	920820	sub-s	71.00	NA				
k42	3	9		2	920820	sub-s	71.50	NA				
					t104r3s9	67	NA	NA	1.826	NA	NA	
175comp1	3	999	NA		NA	sub-s	NA	0.076				
					t104r3s999	63.2	0.076	0.207	1.801	-1.119	-4.562	
k91	6	2		2	920827	sub-s	55.40	NA				
k90	6	2		2	920827	sub-s	58.90	NA				
k91	6	2		1	920827	sub-s	60.70	NA				
k90	6	2		1	920827	sub-s	62.50	NA				
k46	6	2		2	920827	sub-s	64.50	NA				
k46	6	2		1	920827	sub-s	66.30	NA				
					t104r6s2	61.4	NA	NA	1.788	NA	NA	
k93	6	3		2	920827	sub-s	57.20	NA				
k93	6	3		1	920827	sub-s	60.20	NA				
k92	6	3		2	920827	sub-s	61.60	NA				
k92	6	3		1	920827	sub-s	68.10	NA				
k48	6	3		2	920827	sub-s	73.60	NA				
k48	6	3		1	920827	sub-s	74.70	NA				
					t104r6s3	65.9	NA	NA	1.819	NA	NA	
k96	6	4		2	920827	sub-s	67.40	NA				
k95	6	4		1	920827	sub-s	68.30	NA				
k96	6	4		1	920827	sub-s	68.80	NA				
k53	6	4		1	920827	sub-s	69.00	NA				
k53	6	4		2	920827	sub-s	69.70	NA				
k95	6	4		2	920827	sub-s	73.62	NA				
					t104r6s4	69.5	NA	NA	1.842	NA	NA	
k98	6	5		1	920827	sub-s	66.40	NA				
k98	6	5		2	920827	sub-s	69.40	NA				
k55	6	5		1	920827	sub-s	69.80	NA				
k55	6	5		2	920827	sub-s	69.90	NA				
k97	6	5		1	920827	sub-s	73.10	NA				
k97	6	5		2	920827	sub-s	76.30	NA				
					t104r6s5	70.8	NA	NA	1.85	NA	NA	
k99	6	6		1	920827	sub-s	51.60	NA				

k99	6	6	2	920827	sub-s	53.70	NA					
k100	6	6	2	920827	sub-s	67.00	NA					
k100	6	6	1	920827	sub-s	68.90	NA					
k57	6	6	2	920827	sub-s	71.00	NA					
k57	6	6	1	920827	sub-s	71.10	NA					
					t104r6s6	63.9	NA	NA	1.805	NA	NA	
k102	6	7	1	920827	sub-s	61.00	NA					
k103	6	7	2	920827	sub-s	62.60	NA					
k102	6	7	2	920827	sub-s	63.60	NA					
k103	6	7	1	920827	sub-s	65.10	NA					
k59	6	7	1	920827	sub-s	70.90	NA					
k59	6	7	2	920827	sub-s	71.40	NA					
					t104r6s7	65.8	NA	NA	1.818	NA	NA	
k104	6	8	1	920827	sub-s	59.70	NA					
k105	6	8	2	920827	sub-s	67.60	NA					
k105	6	8	1	920827	sub-s	68.40	NA					
k104	6	8	2	920827	sub-s	70.60	NA					
k62	6	8	1	920827	sub-s	73.30	NA					
k62	6	8	2	920827	sub-s	73.90	NA					
					t104r6s8	68.9	NA	NA	1.838	NA	NA	
k106	6	9	2	920827	sub-s	60.40	NA					
k106	6	9	1	920827	sub-s	61.90	NA					
k64	6	9	2	920827	sub-s	69.70	NA					
k107	6	9	2	920827	sub-s	69.90	NA					
k64	6	9	1	920827	sub-s	70.10	NA					
k107	6	9	1	920827	sub-s	70.10	NA					
					t104r6s9	67	NA	NA	1.826	NA	NA	
204	6	999	1	920827	sub-s	NA	0.036					
204	6	999	2	920827	sub-s	NA	0.033					
k204	6	999	1	920827	sub-s	83.40	NA					
k204	6	999	2	920827	sub-s	83.70	NA					
					t104r6s999	NA	NA	NA	NA	NA	NA	
180comp2	na1	999	NA	NA	sub-s	NA	0.055					
					t104rna139s999	63.2	0.055	0.149	1.801	-1.26	-4.889	
179comp2	na1	999	NA	NA	sub-s	NA	0.055					
					t104rna140s999	63.2	0.055	0.149	1.801	-1.26	-4.889	
176comp1	na1	999	NA	NA	sub-s	NA	0.055					
					t104rna141s999	63.2	0.055	0.149	1.801	-1.26	-4.889	

rat-t104-2	na5	NA	NA	NA	surfa	62.20	NA					
			t104rna53s-7085.5		62.2	NA	NA	1.794	NA	NA		
rat-t104-2	na8	NA	NA	NA	surfa	NA	0.290					
			t104rna81s-7085		50.8	0.29	0.59	1.706	-0.538	-3.494		
NA	na8	NA	NA	NA	sub-s	NA	0.010					
			t104rna85s-7081		63.2	0.01	0.027	1.801	-2	-6.6		

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
k39	3	8	2	del.dup	920820	sub-s	72.5	NA
175	3	999	2	del.dup	NA	sub-s	NA	0.071
175	na1	999	NA	del.dup	NA	sub-s	NA	0.076

Summary for Tank t105

Tank Statistics

wet.waste.vol	=	370.9	dry.mu.top	=	-3.368
wet.vol.top	=	82.09	dry.mu.bot	=	-3.787
wet.vol.bot	=	288.8	dry.sterr.top	=	0.3587
dry.waste.vol	=	189.4	dry.sterr.bot	=	0.4772
dry.vol.top	=	42.16	dry.corr	=	0.3501
dry.vol.bot	=	147.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	4
h2o.mu.top	=	-0.05449	toc.mu.top	=	-3.998
h2o.mu.bot	=	-0.03945	toc.mu.bot	=	-4.509
h2o.sterr.top	=	0.435	toc.sterr.top	=	0.3398
h2o.sterr.bot	=	0.534	toc.sterr.bot	=	0.4659
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	4
h2o.mu	=	0.07884	toc.mu	=	-4.048
rw.h2o.mu	=	0.9063	rw.toc.mu	=	4.654
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.37e-11	1.61e-10	6.38e-10	3.96e-09	2.81e-08	1.7e-07	2.53e-06	3.3e-05
Dry	0.000751	0.00112	0.0017	0.00273	0.00515	0.00852	0.0201	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
93-07986-j1	2	1	2	930319	surfa	NA	0.244				
93-07986-j1	2	1	1	930319	surfa	NA	0.279				
33-7726	2	1	1	930319	surfa	NA	0.514				
33-7726	2	1	2	930319	surfa	NA	0.514				
					t105r2s1	48.6	0.388	0.755	1.687	-0.412	-3.239
aug-12	2	2	1	930319	sub-s	35.52	NA				
					t105r2s2	NA	NA	NA	NA	NA	NA
93-07987-j1	5	1	2	930601	surfa	NA	0.518				
93-07987-j1	5	1	1	930601	surfa	NA	0.538				
					t105r5s1	48.6	0.528	1.028	1.687	-0.277	-2.915

93-07988-j1	5	2	1	930601	sub-s	NA	0.163				
					t105r5s2	49	0.163	0.32	1.69	-0.788	-4.12
sep-12	8	1	1	930319	surfa	51.97	NA				
25-7726	8	1	1	930319	surfa	NA	0.396				
25-7726	8	1	2	930319	surfa	NA	0.429				
					t105r8s1	52	0.412	0.859	1.716	-0.385	-3.104
19-5712	8	2	2	930319	sub-s	91.36	NA				
19-5712	8	2	1	930319	sub-s	91.42	NA				
19-5726	8	2	1	930319	sub-s	NA	0.093				
19-5726	8	2	2	930319	sub-s	NA	0.095				
					t105r8s2	NA	NA	NA	NA	NA	NA

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
93-07988-j1	5	2	2	del.dup	930601	sub-s	NA	0.163

Summary for Tank t106

Tank Statistics

wet.waste.vol	=	71.92	dry.mu.top	=	-4.218
wet.vol.top	=	71.92	dry.mu.bot	=	-4.218
wet.vol.bot	=	0	dry.sterr.top	=	0.8727
dry.waste.vol	=	57.28	dry.sterr.bot	=	0.8727
dry.vol.top	=	57.28	dry.corr	=	0.7572
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-1.364	toc.mu.top	=	-4.696
h2o.mu.bot	=	-1.22	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3321	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4712	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-1.57	toc.mu	=	NaN
rw.h2o.mu	=	0.04322	rw.toc.mu	=	4.507
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.64e-10	2.28e-09	2.89e-08	5.83e-07	2.03e-05	0.000246	0.0163	0.738
Dry	1.75e-05	6.42e-05	0.000233	0.000918	0.00487	0.0157	0.0869	1

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001455	3	1	2	950811	surfa	14.08	NA				
s95t001455	3	1	1	950811	surfa	14.27	NA				
s95t001455	3	1	1	950811	surfa	14.45	NA				
s95t001457	3	1	1	950811	surfa	15.62	NA				
s95t001455	3	1	2	950811	surfa	17.83	NA				
s95t001457	3	1	1	950811	surfa	18.38	NA				
s95t001457	3	1	2	950811	surfa	18.56	NA				
s95t001457	3	1	1	950811	surfa	19.39	NA				
s95t001457	3	1	2	950811	surfa	19.91	NA				
s95t001457	3	1	2	950811	surfa	20.49	NA				
				t106r3s1		17.3	NA	NA	1.238	NA	NA
s95t001343	5	1	1	950726	surfa	11.85	NA				

s95t001343	5	1	2	950726	surfa	12.06	NA				
s95t001343	5	1	1	950726	surfa	14.18	NA				
s95t001343	5	1	2	950726	surfa	14.59	NA				
s95t001341	5	1	1	950726	surfa	17.48	NA				
s95t001341	5	1	1	950726	surfa	21.24	NA				
s95t001341	5	1	2	950726	surfa	22.57	NA				
s95t001341	5	1	2	950726	surfa	23.28	NA				
					t106r5s1	17.2	NA	NA	1.234	NA	NA

Summary for Tank t107

Tank Statistics

wet.waste.vol	=	654.8	dry.mu.top	=	-4.884
wet.vol.top	=	82.09	dry.mu.bot	=	-4.918
wet.vol.bot	=	572.7	dry.sterr.top	=	0.3892
dry.waste.vol	=	388.6	dry.sterr.bot	=	0.2517
dry.vol.top	=	61.01	dry.corr	=	0.2175
dry.vol.bot	=	327.6	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	9
h2o.mu.top	=	-1.063	toc.mu.top	=	-5.223
h2o.mu.bot	=	-0.29	toc.mu.bot	=	-5.621
h2o.sterr.top	=	0.2681	toc.sterr.top	=	0.3756
h2o.sterr.bot	=	0.1474	toc.sterr.bot	=	0.2361
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	13	toc.nobs	=	9
h2o.mu	=	-0.4233	toc.mu	=	-5.578
rw.h2o.mu	=	0.4594	rw.toc.mu	=	4.578
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.11e-15	4.56e-14	6.44e-13	3.43e-12	3.29e-11	2.38e-10	5.52e-09	9.28e-08
Dry	3.06e-07	4.89e-07	7.89e-07	1.37e-06	3.1e-06	5.86e-06	1.72e-05	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
c50s2	2	NA	1	930310	sub-s	18.00	NA				
				t107r2s-4273		18	NA	NA	1.255	NA	NA
c50s2	2	NA	1	930310	sub-s	NA	0.066				
				t107r2s-4274		42.8	*****	0.115	1.631	-1.184	-5.157
384-5712	2	1	2	921110	surfa	5.65	NA				
384-5712	2	1	1	921110	surfa	5.87	NA				
306-5712	2	1	2	921110	surfa	25.40	NA				
306-5712	2	1	1	921110	surfa	27.00	NA				
93-07215-j1	2	1	1	921110	surfa	NA	0.051				
				t107r2s1		16	0.051	0.061	1.204	-1.292	-5.795

121-5712	2	2	1	921110	sub-s	29.60	NA				
121-5712	2	2	2	921110	sub-s	29.90	NA				
307-5712	2	2	2	921110	sub-s	40.30	NA				
307-5712	2	2	1	921110	sub-s	45.80	NA				
93-07216-j1	2	2	1	921110	sub-s	NA	0.060				
93-07216-j1	2	2	2	921110	sub-s	NA	0.071				
				t107r2s2		36.4	*****	0.103	1.561	-1.184	-5.264
122-5712	2	3	2	921110	sub-s	42.10	NA				
122-5712	2	3	1	921110	sub-s	44.40	NA				
				t107r2s3		43.2	NA	NA	1.636	NA	NA
123-5712	2	4	1	921110	sub-s	57.20	NA				
123-5712	2	4	2	921110	sub-s	59.00	NA				
				t107r2s4		58.1	NA	NA	1.764	NA	NA
393-5712	2	999	1	921110	sub-s	96.50	NA				
393-5712	2	999	2	921110	sub-s	93.70	NA				
393-5726	2	999	1	921110	sub-s	NA	0.085				
393-5726	2	999	2	921110	sub-s	NA	0.092				
				t107r2s999		NA	NA	NA	NA	NA	NA
c52s2	3	NA	1	930310	sub-s	16.70	NA				
				t107r3s-4271		16.7	NA	NA	1.223	NA	NA
455-5712	3	1	1	930310	surfa	15.20	NA				
455-5712	3	1	2	930310	surfa	15.30	NA				
93-07226-j1	3	1	3	930310	surfa	NA	0.190				
93-07226-j1	3	1	2	930310	surfa	NA	0.200				
93-07226-j1	3	1	1	930310	surfa	NA	0.363				
				t107r3s1		15.2	0.251	0.296	1.183	-0.6	-4.198
485-5712	3	2	2	930310	sub-s	55.40	NA				
485-5712	3	2	1	930310	sub-s	55.60	NA				
93-07227-j1	3	2	2	930310	sub-s	NA	0.091				
93-07227-j1	3	2	1	930310	sub-s	NA	0.103				
				t107r3s2		55.5	0.097	0.218	1.744	-1.013	-4.508
487-5712	3	3	2	930310	sub-s	49.70	NA				
486-5712	3	3	1	930310	sub-s	54.60	NA				
487-5712	3	3	1	930310	sub-s	54.80	NA				
93-07229-j1	3	3	1	930310	sub-s	NA	0.022				
93-07229-j1	3	3	2	930310	sub-s	NA	0.031				
93-07228-j1	3	3	2	930310	sub-s	NA	0.065				
93-07228-j1	3	3	1	930310	sub-s	NA	0.072				
				t107r3s3		53	*****	0.101	1.725	-1.323	-5.282

456-5712	3	4	2	930310	sub-s	57.70	NA					
456-5712	3	4	1	930310	sub-s	59.30	NA					
					t107r3s4	58.5	NA	NA	1.767	NA	NA	
494-5712	3	999	1	930310	sub-s	83.20	NA					
494-5712	3	999	2	930310	sub-s	82.60	NA					
494-5726	3	999	1	930310	sub-s	NA	0.026					
494-5726	3	999	2	930310	sub-s	NA	0.028					
					t107r3s999	NA	NA	NA	NA	NA	NA	
402-5712	5	2	2	930218	sub-s	58.50	NA					
402-5712	5	2	1	930218	sub-s	60.10	NA					
93-07219-j1	5	2	1	930218	sub-s	NA	0.096					
93-07219-j1	5	2	2	930218	sub-s	NA	0.123					
					t107r5s2	59.3	0.11	0.269	1.773	-0.961	-4.295	
157-5712	5	3	2	930218	sub-s	54.20	NA					
157-5712	5	3	1	930218	sub-s	54.30	NA					
156-5712	5	3	1	930218	sub-s	59.40	NA					
156-5712	5	3	2	930218	sub-s	59.90	NA					
93-07221-j1	5	3	1	930218	sub-s	NA	0.081					
93-07221-j1	5	3	2	930218	sub-s	NA	0.100					
93-07220-j1	5	3	1	930218	sub-s	NA	0.133					
					t107r5s3	57	0.105	0.243	1.755	-0.98	-4.398	
159-5712	5	4	1	930218	sub-s	52.80	NA					
159-5712	5	4	2	930218	sub-s	53.40	NA					
158-5712	5	4	2	930218	sub-s	54.60	NA					
158-5712	5	4	1	930218	sub-s	54.80	NA					
93-07222-j1	5	4	2	930218	sub-s	NA	0.024					
93-07223-j1	5	4	1	930218	sub-s	NA	0.026					
93-07223-j1	5	4	2	930218	sub-s	NA	0.028					
93-07222-j1	5	4	1	930218	sub-s	NA	0.029					
					t107r5s4	53.9	*****	0.058	1.732	-1.573	-5.84	
442-5712	5	999	1	930218	sub-s	73.40	NA					
442-5712	5	999	2	930218	sub-s	74.00	NA					
442-5726	5	999	1	930218	sub-s	NA	0.081					
442-5726	5	999	2	930218	sub-s	NA	0.083					
					t107r5s999	NA	NA	NA	NA	NA	NA	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
93-07215-j1	2	1	2	del.dup	921110	surfa	NA	0.050
486-5712	3	3	2	del.dup	930310	sub-s	54.6	NA

93-07220-j1	5	3	2	del.dup	930218	sub-s	NA	0.120
NA	3	2	1	del.qa	930310	sub-s	NA	0.097

Summary for Tank t108

Tank Statistics

wet.waste.vol	=	166.5	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	84.45	dry.sterr.top	=	0.8727
dry.waste.vol	=	148.5	dry.sterr.bot	=	0.8727
dry.vol.top	=	74.12	dry.corr	=	0.7572
dry.vol.bot	=	74.35	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-2.231	toc.mu.top	=	-4.696
h2o.mu.bot	=	-1.996	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3317	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4665	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-2.508	toc.mu	=	NaN
rw.h2o.mu	=	0.00802	rw.toc.mu	=	4.501
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.19e-07	4.77e-06	3.45e-05	0.000246	0.00338	0.0228	0.245	5.98
Dry	4.23e-05	0.000134	0.000423	0.00144	0.00639	0.018	0.0705	0.653

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001333	2	1	2	950721	surfa	1.68	NA				
s95t001333	2	1	1	950721	surfa	19.66	NA				
s95t001333	2	1	2	950721	surfa	24.44	NA				
s95t001323	2	1	1	950721	surfa	35.93	NA				
s95t001323	2	1	2	950721	surfa	38.68	NA				
s95t001333	2	1	1	950721	surfa	39.36	NA				
					t108r2s1	26.6	NA	NA	1.425	NA	NA
s95t001320	5	1	1	950719	surfa	0.54	NA				
s95t001332	5	1	2	950719	surfa	0.56	NA				
s95t001320	5	1	2	950719	surfa	0.77	NA				
s95t001332	5	1	1	950719	surfa	0.83	NA				
s95t001320	5	1	2	950719	surfa	1.12	NA				

s95t001332	5	1	2	950719	surfa	2.43	NA					
s95t001332	5	1	1	950719	surfa	2.48	NA					
s95t001320	5	1	1	950719	surfa	4.32	NA					
					t108r5s1	1.79	NA	NA	0.254	NA	NA	

Summary for Tank t109

Tank Statistics

wet.waste.vol	=	219.5	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	137.4	dry.sterr.top	=	0.8727
dry.waste.vol	=	135.4	dry.sterr.bot	=	0.8727
dry.vol.top	=	51.43	dry.corr	=	0.7572
dry.vol.bot	=	83.96	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.5171	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.4508	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3317	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.4665	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-0.4387	toc.mu	=	NaN
rw.h2o.mu	=	0.3354	rw.toc.mu	=	4.557
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.15e-11	6.35e-10	5.78e-09	6.71e-08	1.24e-06	1.6e-05	0.000911	0.581
Dry	4.15e-05	0.000132	0.000416	0.00141	0.00631	0.0186	0.0723	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t001618	2	1	1	950821	surfa	39.37	NA				
s95t001616	2	1	1	950821	surfa	44.35	NA				
s95t001616	2	1	2	950821	surfa	45.50	NA				
s95t001616	2	1	1	950821	surfa	45.60	NA				
s95t001618	2	1	2	950821	surfa	45.70	NA				
s95t001618	2	1	2	950821	surfa	45.76	NA				
s95t001616	2	1	2	950821	surfa	46.50	NA				
s95t001618	2	1	1	950821	surfa	46.60	NA				
s95t001629	2	1	2	950821	surfa	47.30	NA				
s95t001629	2	1	1	950821	surfa	48.10	NA				
s95t001629	2	1	1	950821	surfa	48.87	NA				
s95t001626	2	1	1	950821	surfa	48.90	NA				
s95t001626	2	1	1	950821	surfa	49.11	NA				

s95t001626	2	1	2	950821	surfa	49.20	NA				
s95t001629	2	1	2	950821	surfa	49.30	NA				
s95t001626	2	1	2	950821	surfa	51.95	NA				
					t109r2s1	47	NA	NA	1.672	NA	NA
s95t001600	6	1	2	950818	surfa	12.21	NA				
s95t001600	6	1	1	950818	surfa	12.70	NA				
s95t001597	6	1	1	950818	surfa	15.57	NA				
s95t001597	6	1	2	950818	surfa	16.87	NA				
s95t001600	6	1	1	950818	surfa	47.60	NA				
s95t001600	6	1	2	950818	surfa	49.30	NA				
s95t001597	6	1	2	950818	surfa	50.40	NA				
s95t001597	6	1	1	950818	surfa	50.70	NA				
					t109r6s1	31.9	NA	NA	1.504	NA	NA

Summary for Tank t110

Tank Statistics

wet.waste.vol	=	1423	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1341	dry.sterr.top	=	0.8727
dry.waste.vol	=	356.9	dry.sterr.bot	=	0.8727
dry.vol.top	=	22.07	dry.corr	=	0.7572
dry.vol.bot	=	334.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	1	toc.mu.top	=	-4.696
h2o.mu.bot	=	1.1	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.267	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.1366	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	15	toc.nobs	=	0
h2o.mu	=	1.125	toc.mu	=	NaN
rw.h2o.mu	=	12.44	rw.toc.mu	=	6.616
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	9.98e-19	1.19e-17	1.74e-16	2.96e-15	8.96e-14	1.48e-12	3.22e-10	1.97e-08
Dry	2.88e-05	9.4e-05	0.000308	0.0011	0.00529	0.0161	0.091	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000125	2	1	2	960210	surfa	79.69	NA				
s97t000125	2	1	2	960210	surfa	79.73	NA				
s97t000141	2	1	2	960210	surfa	77.80	NA				
s97t000141	2	1	2	960210	surfa	79.12	NA				
					t110r2s1	79.1	NA	NA	1.898	NA	NA
s97t000142	2	2	2	960210	sub-s	76.07	NA				
s97t000142	2	2	2	960210	sub-s	77.51	NA				
s97t000143	2	2	2	960210	sub-s	76.13	NA				
s97t000143	2	2	2	960210	sub-s	75.94	NA				
					t110r2s2	76.4	NA	NA	1.883	NA	NA
s97t000144	2	3	2	960210	sub-s	73.47	NA				

s97t000144	2	3	2	960210	sub-s	78.82	NA				
s97t000145	2	3	2	960210	sub-s	85.13	NA				
s97t000145	2	3	2	960210	sub-s	78.29	NA				
					t110r2s3	78.9	NA	NA	1.897	NA	NA
s97t000146	2	4	2	960210	sub-s	75.90	NA				
s97t000146	2	4	2	960210	sub-s	75.50	NA				
s97t000147	2	4	2	960210	sub-s	76.80	NA				
s97t000147	2	4	2	960210	sub-s	76.00	NA				
					t110r2s4	76	NA	NA	1.881	NA	NA
s97t000168	2	5	2	960210	sub-s	75.12	NA				
s97t000168	2	5	2	960210	sub-s	74.89	NA				
s97t000170	2	5	2	960210	sub-s	75.57	NA				
s97t000170	2	5	2	960210	sub-s	75.28	NA				
					t110r2s5	75.2	NA	NA	1.876	NA	NA
s97t000174	2	6	2	960210	sub-s	75.78	NA				
s97t000174	2	6	2	960210	sub-s	76.26	NA				
s97t000175	2	6	2	960210	sub-s	75.33	NA				
s97t000175	2	6	2	960210	sub-s	65.37	NA				
					t110r2s6	73.2	NA	NA	1.864	NA	NA
s97t000158	2	7	2	960210	sub-s	72.82	NA				
s97t000158	2	7	2	960210	sub-s	71.27	NA				
s97t000159	2	7	2	960210	sub-s	73.80	NA				
s97t000159	2	7	2	960210	sub-s	74.80	NA				
					t110r2s7	73.2	NA	NA	1.864	NA	NA
s97t000192	2	8	2	960210	sub-s	72.65	NA				
s97t000192	2	8	2	960210	sub-s	73.08	NA				
s97t000193	2	8	2	960210	sub-s	72.64	NA				
s97t000193	2	8	2	960210	sub-s	72.14	NA				
					t110r2s8	72.6	NA	NA	1.861	NA	NA
s97t000214	6	1	4	960210	surfa	76.91	NA				
s97t000214	6	1	4	960210	surfa	77.18	NA				
s97t000214	6	1	4	960210	surfa	77.08	NA				
s97t000214	6	1	4	960210	surfa	77.27	NA				
s97t000216	6	1	2	960210	surfa	77.40	NA				
s97t000216	6	1	2	960210	surfa	76.98	NA				
					t110r6s1	77.1	NA	NA	1.887	NA	NA
s97t000261	6	2	2	960210	sub-s	75.60	NA				
s97t000261	6	2	2	960210	sub-s	75.84	NA				
s97t000262	6	2	2	960210	sub-s	76.36	NA				

s97t000262	6	2	2	960210	sub-s	77.10	NA					
					t110r6s2	76.2	NA	NA	1.882	NA	NA	
s97t000217	6	3	2	960210	sub-s	76.76	NA					
s97t000217	6	3	2	960210	sub-s	76.27	NA					
s97t000218	6	3	2	960210	sub-s	76.03	NA					
s97t000218	6	3	2	960210	sub-s	76.61	NA					
					t110r6s3	76.4	NA	NA	1.883	NA	NA	
s97t000219	6	4	2	960210	sub-s	74.80	NA					
s97t000219	6	4	2	960210	sub-s	76.26	NA					
s97t000220	6	4	2	960210	sub-s	76.60	NA					
s97t000220	6	4	2	960210	sub-s	77.15	NA					
					t110r6s4	76.2	NA	NA	1.882	NA	NA	
s97t000221	6	6	2	960210	sub-s	71.32	NA					
s97t000221	6	6	2	960210	sub-s	71.95	NA					
s97t000222	6	6	2	960210	sub-s	74.87	NA					
s97t000222	6	6	2	960210	sub-s	72.80	NA					
					t110r6s6	72.7	NA	NA	1.862	NA	NA	
s97t000263	6	7	2	960210	sub-s	73.22	NA					
s97t000263	6	7	2	960210	sub-s	72.59	NA					
s97t000264	6	7	2	960210	sub-s	74.27	NA					
s97t000264	6	7	2	960210	sub-s	74.23	NA					
					t110r6s7	73.6	NA	NA	1.867	NA	NA	
s97t000265	6	8	2	960210	sub-s	74.01	NA					
s97t000265	6	8	2	960210	sub-s	74.15	NA					
s97t000266	6	8	2	960210	sub-s	74.82	NA					
s97t000266	6	8	2	960210	sub-s	74.77	NA					
					t110r6s8	74.4	NA	NA	1.872	NA	NA	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s97t000008	13	1	2	del.sup	971008	super	86.60	NA
s97t000008	13	1	2	del.sup	971008	super	86.96	NA
w97000008	13	1	1	del.sup	971008	super	NA	0.004

Summary for Tank t111

Tank Statistics

wet.waste.vol	=	1688	dry.mu.top	=	-3.029
wet.vol.top	=	82.09	dry.mu.bot	=	-2.634
wet.vol.bot	=	1606	dry.sterr.top	=	0.5994
dry.waste.vol	=	355.8	dry.sterr.bot	=	0.2445
dry.vol.top	=	18.83	dry.corr	=	0.309
dry.vol.bot	=	337	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	8
h2o.mu.top	=	1.212	toc.mu.top	=	-4.195
h2o.mu.bot	=	1.326	toc.mu.bot	=	-4.166
h2o.sterr.top	=	0.2662	toc.sterr.top	=	0.6176
h2o.sterr.bot	=	0.1279	toc.sterr.bot	=	0.2284
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	17	toc.nobs	=	8
h2o.mu	=	1.351	toc.mu	=	-4.122
rw.h2o.mu	=	20	rw.toc.mu	=	7.9
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.47e-18	7.46e-18	2.73e-17	1.81e-16	1.62e-15	1.8e-14	1.57e-12	1.06e-10
Dry	0.0261	0.0318	0.0389	0.0491	0.0658	0.0831	0.122	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
319	3	1	1	911105	surfa	77.8	NA				
319	3	1	2	911105	surfa	79.6	NA				
319	3	1	1	911105	surfa	81.1	NA				
					t111r3s1	79.5	NA	NA	1.9	NA	NA
323	3	2	1	911105	sub-s	80.5	NA				
323	3	2	2	911105	sub-s	80.6	NA				
323	3	2	1	911105	sub-s	85.6	NA				
323	3	2	2	911105	sub-s	85.8	NA				
					t111r3s2	83.1	NA	NA	1.92	NA	NA
324	3	3	2	911105	sub-s	2.0	NA				
324	3	3	1	911105	sub-s	81.7	NA				

324	3	3	1	911105	sub-s	88.5	NA					
					t111r3s3	57.4	NA	NA	1.759	NA	NA	
325	3	4	2	911105	sub-s	79.3	NA					
325	3	4	1	911105	sub-s	80.4	NA					
325	3	4	1	911105	sub-s	89.5	NA					
					t111r3s4	83.1	NA	NA	1.919	NA	NA	
326	3	5	2	911105	sub-s	77.0	NA					
326	3	5	1	911105	sub-s	79.3	NA					
326	3	5	1	911105	sub-s	88.8	NA					
					t111r3s5	81.7	NA	NA	1.912	NA	NA	
329	3	6	1	911105	sub-s	78.3	NA					
329	3	6	2	911105	sub-s	78.6	NA					
329	3	6	2	911105	sub-s	84.0	NA					
329	3	6	1	911105	sub-s	84.7	NA					
					t111r3s6	81.4	NA	NA	1.911	NA	NA	
330	3	7	2	911105	sub-s	68.6	NA					
330	3	7	1	911105	sub-s	74.7	NA					
330	3	7	1	911105	sub-s	85.8	NA					
					t111r3s7	76.4	NA	NA	1.883	NA	NA	
331	3	8	1	911105	sub-s	75.4	NA					
331	3	8	1	911105	sub-s	84.8	NA					
					t111r3s8	80.1	NA	NA	1.904	NA	NA	
332	3	9	2	911105	sub-s	74.9	NA					
332	3	9	1	911105	sub-s	77.0	NA					
332	3	9	1	911105	sub-s	85.2	NA					
					t111r3s9	79	NA	NA	1.898	NA	NA	
462	3	999	2	NA	sub-s	NA	0.200					
463	3	999	2	NA	sub-s	NA	0.300					
					t111r3s999	79	0.25	1.191	1.898	-0.602	-2.759	
309	6	1	2	911022	surfa	79.8	NA					
309	6	1	1	911022	surfa	80.8	NA					
309	6	1	2	911022	surfa	86.9	NA					
309	6	1	1	911022	surfa	87.0	NA					
					t111r6s1	83.6	NA	NA	1.922	NA	NA	
310	6	2	2	911022	sub-s	52.6	NA					
310	6	2	1	911022	sub-s	82.4	NA					
310	6	2	1	911022	sub-s	87.0	NA					

				t111r6s2	74	NA	NA	1.869	NA	NA
311	6	3	1	911022	sub-s	85.0	NA				
311	6	3	1	911022	sub-s	87.2	NA				
311	6	3	2	911022	sub-s	97.3	NA				
				t111r6s3	89.8	NA	NA	1.953	NA	NA
312	6	4	2	911022	sub-s	59.6	NA				
312	6	4	1	911022	sub-s	72.3	NA				
312	6	4	1	911022	sub-s	82.8	NA				
				t111r6s4	71.6	NA	NA	1.855	NA	NA
313	6	5	1	911022	sub-s	78.4	NA				
313	6	5	1	911022	sub-s	88.0	NA				
313	6	5	2	911022	sub-s	88.4	NA				
				t111r6s5	84.9	NA	NA	1.929	NA	NA
316	6	7	1	911022	sub-s	76.4	NA				
316	6	7	2	911022	sub-s	77.2	NA				
316	6	7	2	911022	sub-s	84.4	NA				
316	6	7	1	911022	sub-s	85.1	NA				
				t111r6s7	80.8	NA	NA	1.907	NA	NA
317	6	8	2	911022	sub-s	76.4	NA				
317	6	8	1	911022	sub-s	76.7	NA				
317	6	8	1	911022	sub-s	85.6	NA				
				t111r6s8	79.6	NA	NA	1.901	NA	NA
414	6	9	1	911022	sub-s	69.5	NA				
318	6	9	1	911022	sub-s	71.0	NA				
414	6	9	2	911022	sub-s	71.2	NA				
414	6	9	2	911022	sub-s	72.0	NA				
414	6	9	1	911022	sub-s	72.1	NA				
318	6	9	2	911022	sub-s	74.7	NA				
318	6	9	1	911022	sub-s	76.9	NA				
				t111r6s9	72.5	NA	NA	1.86	NA	NA
457	6	999	2	NA	sub-s	NA	0.330				
459	6	999	2	NA	sub-s	NA	0.412				
				t111r6s999		79	0.371	1.768	1.898	-0.431	-2.333
c33comp2	na1	999	2	NA	sub-s	NA	0.300				
				t111rna119s999		79	0.3	1.43	1.898	-0.523	-2.564
c33comp1	na1	999	2	NA	sub-s	NA	0.200				
				t111rna120s999		79	0.2	0.953	1.898	-0.699	-2.995

```
c31comp2  na1  999    2     NA sub-s   NA 0.412
                      t111rna125s999   79 0.412  1.963  1.898 -0.385 -2.218

c31comp2  na1  999    1     NA sub-s   NA 0.385
                      t111rna126s999   79 0.385  1.835  1.898 -0.415 -2.293

c31comp1  na1  999    2     NA sub-s   NA 0.330
                      t111rna127s999   79  0.33  1.573  1.898 -0.481 -2.461

c31comp1  na1  999    1     NA sub-s   NA 0.368
                      t111rna128s999   79 0.368  1.754  1.898 -0.434 -2.342
```

Summary for Tank t112

Tank Statistics

wet.waste.vol	=	253.6	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	171.5	dry.sterr.top	=	0.8727
dry.waste.vol	=	82.05	dry.sterr.bot	=	0.8727
dry.vol.top	=	30.52	dry.corr	=	0.7572
dry.vol.bot	=	51.53	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	0.5245	toc.mu.top	=	-4.696
h2o.mu.bot	=	0.8452	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.4751	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.3324	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	1.049	toc.mu	=	NaN
rw.h2o.mu	=	5.818	rw.toc.mu	=	5.489
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.04e-17	1.2e-15	1.81e-14	6.16e-13	2.66e-11	8.17e-10	2.16e-07	0.000257
Dry	4.14e-05	0.000132	0.000415	0.00141	0.0063	0.0186	0.0725	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000374	2	1	2	970319	surfa	85.16	NA				
s97t000374	2	1	2	970319	surfa	85.13	NA				
					t112r2s1	NA	NA	NA	NA	NA	NA
s97t000370	2	2	2	970319	sub-s	77.81	NA				
s97t000370	2	2	2	970319	sub-s	78.67	NA				
s97t000371	2	2	2	970319	sub-s	75.15	NA				
s97t000371	2	2	2	970319	sub-s	77.54	NA				
s97t000376	2	2	2	970319	sub-s	85.01	NA				
s97t000376	2	2	2	970319	sub-s	84.90	NA				
					t112r2s2	77.3	NA	NA	1.888	NA	NA
s97t000435	7	2	2	970319	sub-s	72.53	NA				

s97t000435	7	2	2	970319	sub-s	58.74	NA				
s97t000436	7	2	2	970319	sub-s	76.61	NA				
s97t000436	7	2	2	970319	sub-s	74.22	NA				
					t112r7s2	70.5	NA	NA	1.848	NA	NA

Summary for Tank t201

Tank Statistics

wet.waste.vol	=	106	dry.mu.top	=	-4.778
wet.vol.top	=	5.837	dry.mu.bot	=	-4.963
wet.vol.bot	=	100.1	dry.sterr.top	=	0.7085
dry.waste.vol	=	35.34	dry.sterr.bot	=	0.5556
dry.vol.top	=	2.132	dry.corr	=	0.5939
dry.vol.bot	=	33.21	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	0.5525	toc.mu.top	=	-5.69
h2o.mu.bot	=	0.7007	toc.mu.bot	=	-6.118
h2o.sterr.top	=	0.4264	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.2452	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	1
h2o.mu	=	0.8076	toc.mu	=	-6.819
rw.h2o.mu	=	4.94	rw.toc.mu	=	5.34
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	3.86e-24	2.53e-18	3.52e-15	4.18e-10
Dry	3.41e-07	9.15e-07	2.5e-06	7.64e-06	3.31e-05	9.94e-05	0.00051	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000833	3	1	2	970425	surfa	90.95	NA				
s97t000833	3	1	2	970425	surfa	91.10	NA				
					t201r3s1	NA	NA	NA	NA	NA	NA
s97t000834	3	2	2	970425	sub-s	91.05	NA				
s97t000834	3	2	2	970425	sub-s	91.16	NA				
					t201r3s2	NA	NA	NA	NA	NA	NA
s97t000835	3	3	2	970425	sub-s	91.83	NA				
s97t000835	3	3	2	970425	sub-s	91.80	NA				
					t201r3s3	NA	NA	NA	NA	NA	NA
s97t000836	3	4	2	970425	sub-s	91.13	NA				

s97t000836	3	4	2	970425	sub-s	91.39	NA					
				t201r3s4		NA	NA	NA	NA	NA	NA	
s97t000837	3	5	2	970425	sub-s	90.99	NA					
s97t000837	3	5	2	970425	sub-s	90.99	NA					
				t201r3s5		NA	NA	NA	NA	NA	NA	
s97t000899	3	6	2	970425	sub-s	64.76	NA					
s97t000899	3	6	2	970425	sub-s	66.31	NA					
s97t000909	3	6	2	970425	sub-s	69.43	NA					
s97t000909	3	6	2	970425	sub-s	69.98	NA					
				t201r3s6		67.6	NA	NA	1.83	NA	NA	
s97t000910	3	7	2	970425	sub-s	66.25	NA					
s97t000910	3	7	2	970425	sub-s	63.52	NA					
s97t000911	3	7	2	970425	sub-s	60.46	NA					
s97t000911	3	7	2	970425	sub-s	65.64	NA					
				t201r3s7		64	NA	NA	1.806	NA	NA	
s97t000912	3	8	2	970425	sub-s	71.34	NA					
s97t000912	3	8	2	970425	sub-s	72.09	NA					
s97t000913	3	8	2	970425	sub-s	69.89	NA					
s97t000913	3	8	2	970425	sub-s	70.72	NA					
				t201r3s8		71	NA	NA	1.851	NA	NA	
s97t001246	3	999	2	970425	sub-s	62.85	NA					
s97t001246	3	999	2	970425	sub-s	60.26	NA					
s97t001253	3	999	2	970425	sub-s	87.28	NA					
s97t001253	3	999	2	970425	sub-s	83.94	NA					
s97t001246	3	999	2	970425	sub-s	NA	0.030					
s97t001246	3	999	2	970425	sub-s	NA	0.030					
s97t001253	3	999	2	970425	sub-s	NA	0.011					
s97t001253	3	999	2	970425	sub-s	NA	0.016					
				t201r3s999		73.6	*****	0.083	1.867	-1.661	-5.485	

Summary for Tank t202

Tank Statistics

wet.waste.vol	=	79.48	dry.mu.top	=	-4.585
wet.vol.top	=	5.837	dry.mu.bot	=	-4.707
wet.vol.bot	=	73.65	dry.sterr.top	=	0.7085
dry.waste.vol	=	21.03	dry.sterr.bot	=	0.5556
dry.vol.top	=	1.591	dry.corr	=	0.5939
dry.vol.bot	=	19.44	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	0.9814	toc.mu.top	=	-5.46
h2o.mu.bot	=	1.026	toc.mu.bot	=	-5.817
h2o.sterr.top	=	0.3236	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.2112	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	6	toc.nobs	=	1
h2o.mu	=	1.117	toc.mu	=	-6.356
rw.h2o.mu	=	10.53	rw.toc.mu	=	6.291
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	6.18e-22	2.21e-19	2.45e-16	1.41e-13
Dry	1.75e-06	4.43e-06	1.11e-05	3.25e-05	0.000124	0.000346	0.00155	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000802	3	1	2	970422	surfa	78.32	NA				
s97t000802	3	1	2	970422	surfa	77.21	NA				
s97t000803	3	1	2	970422	surfa	78.61	NA				
s97t000803	3	1	2	970422	surfa	79.02	NA				
					t202r3s1	78.3	NA	NA	1.894	NA	NA
s97t000804	3	2	2	970422	sub-s	76.16	NA				
s97t000804	3	2	2	970422	sub-s	78.70	NA				
s97t000805	3	2	2	970422	sub-s	77.46	NA				
s97t000805	3	2	2	970422	sub-s	75.45	NA				
					t202r3s2	76.9	NA	NA	1.886	NA	NA
s97t000806	3	3	2	970422	sub-s	73.29	NA				

s97t000806	3	3	2	970422	sub-s	76.29	NA					
s97t000807	3	3	2	970422	sub-s	68.85	NA					
s97t000807	3	3	2	970422	sub-s	76.55	NA					
					t202r3s3	73.7	NA	NA	1.868	NA	NA	
s97t000808	3	4	2	970422	sub-s	76.63	NA					
s97t000808	3	4	2	970422	sub-s	76.47	NA					
s97t000809	3	4	2	970422	sub-s	76.25	NA					
s97t000809	3	4	2	970422	sub-s	75.65	NA					
					t202r3s4	76.2	NA	NA	1.882	NA	NA	
s97t000810	3	5	2	970422	sub-s	75.16	NA					
s97t000810	3	5	2	970422	sub-s	76.62	NA					
s97t000811	3	5	2	970422	sub-s	79.36	NA					
s97t000811	3	5	2	970422	sub-s	63.67	NA					
					t202r3s5	73.7	NA	NA	1.867	NA	NA	
s97t001673	3	999	2	970422	sub-s	72.03	NA					
s97t001673	3	999	2	970422	sub-s	73.57	NA					
s97t001673	3	999	2	970422	sub-s	NA	0.036					
s97t001673	3	999	2	970422	sub-s	NA	0.034					
					t202r3s999	72.8	*****	0.127	1.862	-1.46	-5.05	

Summary for Tank t203

Tank Statistics

wet.waste.vol	=	132.5	dry.mu.top	=	-4.527
wet.vol.top	=	5.837	dry.mu.bot	=	-4.63
wet.vol.bot	=	126.6	dry.sterr.top	=	0.7085
dry.waste.vol	=	33.91	dry.sterr.bot	=	0.5556
dry.vol.top	=	1.546	dry.corr	=	0.5939
dry.vol.bot	=	32.36	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	1.021	toc.mu.top	=	-5.364
h2o.mu.bot	=	1.069	toc.mu.bot	=	-5.691
h2o.sterr.top	=	0.3137	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.1632	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	10	toc.nobs	=	1
h2o.mu	=	1.125	toc.mu	=	-6.163
rw.h2o.mu	=	11.67	rw.toc.mu	=	6.485
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	6.7e-21	3.16e-19	1.65e-16	6.74e-13
Dry	2.41e-06	5.99e-06	1.49e-05	4.14e-05	0.000154	0.000414	0.00194	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000664	3	1	2	970418	surfa	76.74	NA				
s97t000664	3	1	2	970418	surfa	77.76	NA				
s97t000665	3	1	2	970418	surfa	75.61	NA				
s97t000665	3	1	2	970418	surfa	74.09	NA				
s97t000705	3	1	2	970418	surfa	80.92	NA				
s97t000705	3	1	2	970418	surfa	79.81	NA				
s97t000711	3	1	2	970418	surfa	82.90	NA				
s97t000711	3	1	2	970418	surfa	83.80	NA				
s97t000733	3	1	2	970418	surfa	85.23	NA				
s97t000733	3	1	2	970418	surfa	85.30	NA				
					t203r3s1	79	NA	NA	1.897	NA	NA
s97t000666	3	2	2	970418	sub-s	75.18	NA				

s97t000666	3	2	2	970418	sub-s	76.29	NA			
s97t000669	3	2	2	970418	sub-s	76.32	NA			
s97t000669	3	2	2	970418	sub-s	76.78	NA			
					t203r3s2	76.1	NA	NA	1.882	NA	NA
s97t000706	3	3	2	970418	sub-s	78.34	NA			
s97t000706	3	3	2	970418	sub-s	78.10	NA			
s97t000712	3	3	2	970418	sub-s	75.99	NA			
s97t000712	3	3	2	970418	sub-s	69.53	NA			
					t203r3s3	75.5	NA	NA	1.878	NA	NA
s97t000667	3	4	2	970418	sub-s	75.93	NA			
s97t000667	3	4	2	970418	sub-s	74.75	NA			
s97t000670	3	4	2	970418	sub-s	72.97	NA			
s97t000670	3	4	2	970418	sub-s	75.69	NA			
					t203r3s4	74.8	NA	NA	1.874	NA	NA
s97t000668	3	5	2	970418	sub-s	77.81	NA			
s97t000668	3	5	2	970418	sub-s	78.12	NA			
s97t000671	3	5	2	970418	sub-s	76.46	NA			
s97t000671	3	5	2	970418	sub-s	76.90	NA			
					t203r3s5	77.3	NA	NA	1.888	NA	NA
s97t000707	3	6	2	970418	sub-s	76.16	NA			
s97t000707	3	6	2	970418	sub-s	76.60	NA			
s97t000713	3	6	2	970418	sub-s	75.91	NA			
s97t000713	3	6	2	970418	sub-s	75.22	NA			
					t203r3s6	76	NA	NA	1.881	NA	NA
s97t000708	3	7	2	970418	sub-s	76.56	NA			
s97t000708	3	7	2	970418	sub-s	74.18	NA			
s97t000714	3	7	2	970418	sub-s	71.45	NA			
s97t000714	3	7	2	970418	sub-s	74.96	NA			
					t203r3s7	74.3	NA	NA	1.871	NA	NA
s97t000709	3	8	2	970418	sub-s	76.43	NA			
s97t000709	3	8	2	970418	sub-s	75.38	NA			
s97t000715	3	8	2	970418	sub-s	75.86	NA			
s97t000715	3	8	2	970418	sub-s	75.76	NA			
					t203r3s8	75.9	NA	NA	1.88	NA	NA
s97t000710	3	9	2	970418	sub-s	71.29	NA			
s97t000710	3	9	2	970418	sub-s	74.32	NA			
s97t000716	3	9	2	970418	sub-s	76.13	NA			
s97t000716	3	9	2	970418	sub-s	76.59	NA			
					t203r3s9	74.6	NA	NA	1.873	NA	NA

```
s97t001013    3  999    2 970418 sub-s 72.49    NA
s97t001013    3  999    2 970418 sub-s 69.57    NA
s97t001013    3  999    2 970418 sub-s    NA 0.042
s97t001013    3  999    2 970418 sub-s    NA 0.042
                          t203r3s999    71 0.042  0.145  1.851 -1.376 -4.918
```

Summary for Tank t204

Tank Statistics

wet.waste.vol	=	143.8	dry.mu.top	=	-4.593
wet.vol.top	=	5.837	dry.mu.bot	=	-4.717
wet.vol.bot	=	138	dry.sterr.top	=	0.7085
dry.waste.vol	=	36.74	dry.sterr.bot	=	0.5556
dry.vol.top	=	1.479	dry.corr	=	0.5939
dry.vol.bot	=	35.26	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	1.081	toc.mu.top	=	-5.512
h2o.mu.bot	=	1.069	toc.mu.bot	=	-5.886
h2o.sterr.top	=	0.3124	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.1555	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	11	toc.nobs	=	1
h2o.mu	=	1.127	toc.mu	=	-6.462
rw.h2o.mu	=	11.75	rw.toc.mu	=	6.497
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	0	0	7.93e-20	3.77e-16	9.85e-13
Dry	1.38e-06	3.53e-06	8.93e-06	2.56e-05	9.81e-05	0.000277	0.00132	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s97t000498	3	1	2	970411	surfa	78.89	NA				
s97t000498	3	1	2	970411	surfa	79.53	NA				
s97t000499	3	1	2	970411	surfa	80.95	NA				
s97t000499	3	1	2	970411	surfa	88.58	NA				
					t204r3s1	82	NA	NA	1.914	NA	NA
s97t000608	3	10	2	970411	sub-s	74.98	NA				
s97t000608	3	10	2	970411	sub-s	73.89	NA				
s97t000638	3	10	2	970411	sub-s	73.28	NA				
s97t000638	3	10	2	970411	sub-s	53.74	NA				
					t204r3s10	69	NA	NA	1.839	NA	NA
s97t000574	3	2	2	970411	sub-s	79.43	NA				

s97t000574	3	2	2	970411	sub-s	75.56	NA				
					t204r3s2	77.5	NA	NA	1.889	NA	NA
s97t000575	3	3	2	970411	sub-s	79.52	NA				
s97t000575	3	3	2	970411	sub-s	79.82	NA				
					t204r3s3	79.7	NA	NA	1.901	NA	NA
s97t000576	3	4	2	970411	sub-s	74.82	NA				
s97t000576	3	4	2	970411	sub-s	74.94	NA				
s97t000580	3	4	2	970411	sub-s	71.39	NA				
s97t000580	3	4	2	970411	sub-s	72.48	NA				
					t204r3s4	73.4	NA	NA	1.866	NA	NA
s97t000603	3	5	2	970411	sub-s	74.92	NA				
s97t000603	3	5	2	970411	sub-s	75.93	NA				
s97t000633	3	5	2	970411	sub-s	76.18	NA				
s97t000633	3	5	2	970411	sub-s	76.90	NA				
					t204r3s5	76	NA	NA	1.881	NA	NA
s97t000604	3	6	2	970411	sub-s	75.92	NA				
s97t000604	3	6	2	970411	sub-s	76.81	NA				
s97t000634	3	6	2	970411	sub-s	77.96	NA				
s97t000634	3	6	2	970411	sub-s	75.64	NA				
					t204r3s6	76.6	NA	NA	1.884	NA	NA
s97t000605	3	7	2	970411	sub-s	74.04	NA				
s97t000605	3	7	2	970411	sub-s	76.21	NA				
s97t000635	3	7	2	970411	sub-s	72.06	NA				
s97t000635	3	7	2	970411	sub-s	72.74	NA				
					t204r3s7	73.8	NA	NA	1.868	NA	NA
s97t000606	3	8	2	970411	sub-s	69.64	NA				
s97t000606	3	8	2	970411	sub-s	73.21	NA				
s97t000636	3	8	2	970411	sub-s	72.78	NA				
s97t000636	3	8	2	970411	sub-s	72.05	NA				
					t204r3s8	71.9	NA	NA	1.857	NA	NA
s97t000607	3	9	2	970411	sub-s	75.99	NA				
s97t000607	3	9	2	970411	sub-s	74.42	NA				
s97t000637	3	9	2	970411	sub-s	75.10	NA				
s97t000637	3	9	2	970411	sub-s	71.04	NA				
					t204r3s9	74.1	NA	NA	1.87	NA	NA
s97t001197	3	999	2	970411	sub-s	74.32	NA				
s97t001197	3	999	2	970411	sub-s	75.87	NA				
s97t001197	3	999	2	970411	sub-s	NA	0.028				

s97t001197 3 999 2 970411 sub-s NA 0.035
t204r3s999 75.1 ***** 0.125 1.876 -1.506 -5.067

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
1914	na1	NA	NA	del.dat	781204	sub-s	NA	0.673
1914	na6	NA	NA	del.dat	781204	sub-s	73	NA

Summary for Tank tx101

Tank Statistics

wet.waste.vol	=	317.9	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	235.9	dry.sterr.top	=	0.8727
dry.waste.vol	=	185.8	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	137.1	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4567	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.72e-11	2.22e-10	3.45e-09	9.51e-08	3.39e-06	7.2e-05	0.00714	0.227
Dry	3.91e-05	0.000126	0.000394	0.00135	0.00609	0.0182	0.0786	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank tx102

Tank Statistics

wet.waste.vol	=	821.3	dry.mu.top	=	-4.035
wet.vol.top	=	82.09	dry.mu.bot	=	-4.002
wet.vol.bot	=	739.3	dry.sterr.top	=	0.5617
dry.waste.vol	=	485.3	dry.sterr.bot	=	0.7173
dry.vol.top	=	49.51	dry.corr	=	0.6032
dry.vol.bot	=	435.8	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.4184	toc.mu.top	=	-4.528
h2o.mu.bot	=	-0.3618	toc.mu.bot	=	-4.601
h2o.sterr.top	=	0.4342	toc.sterr.top	=	0.5453
h2o.sterr.bot	=	0.5297	toc.sterr.bot	=	0.7285
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	1
h2o.mu	=	-0.2205	toc.mu	=	-4.642
rw.h2o.mu	=	0.4294	rw.toc.mu	=	4.573
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	8.98e-11	4.76e-10	4.06e-09	2.86e-08	4.38e-07	2.97e-06	0.000282	0.0568
Dry	8.95e-05	0.000212	0.000523	0.0014	0.00505	0.0129	0.0581	0.729

Data From Tank

```
   lab.id  ris  seg repl date layer   h2o   toc drytoc logh2o logtoc lgtdry
rat-tx102-1  na5   NA   NA   NA surfa 44.51    NA
                  ********** 44.5    NA     NA  1.648     NA     NA

rat-tx102-1  na8   NA   NA   NA surfa    NA 0.191
                  ********** 39.7 0.191  0.316  1.599 -0.719  -4.13
```

Summary for Tank tx103

Tank Statistics

wet.waste.vol	=	594.2	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	512.2	dry.sterr.top	=	0.8727
dry.waste.vol	=	410.7	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	352.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1569	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.16e-09	1.91e-08	1.82e-07	1.57e-06	8.56e-05	0.00127	0.066	0.839
Dry	3.39e-05	0.000109	0.000355	0.00123	0.00571	0.0168	0.0854	0.729

Data From Tank

No Data Associated with This Tank

Summary for Tank tx104

Tank Statistics

wet.waste.vol	=	242.2	dry.mu.top	=	-4.081
wet.vol.top	=	82.09	dry.mu.bot	=	-4.61
wet.vol.bot	=	160.2	dry.sterr.top	=	0.404
dry.waste.vol	=	135.4	dry.sterr.bot	=	0.404
dry.vol.top	=	46.91	dry.corr	=	0.3383
dry.vol.bot	=	88.46	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	4
h2o.mu.top	=	-0.288	toc.mu.top	=	-4.649
h2o.mu.bot	=	-0.2101	toc.mu.bot	=	-5.306
h2o.sterr.top	=	0.2869	toc.sterr.top	=	0.387
h2o.sterr.bot	=	0.2868	toc.sterr.bot	=	0.3866
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	4
h2o.mu	=	-0.1842	toc.mu	=	-5.131
rw.h2o.mu	=	0.5821	rw.toc.mu	=	4.599
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.76e-14	3.04e-13	1.25e-12	5.52e-12	5.7e-11	3.28e-10	8.03e-09	3.41e-06
Dry	2e-05	3.45e-05	6.06e-05	0.000115	0.000264	0.000492	0.00153	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s98t000649	230	1	1	980430	surfa	35.96	NA				
s98t000649	230	1	2	980430	surfa	41.97	NA				
s98t000665	230	1	1	980430	surfa	52.85	NA				
s98t000665	230	1	2	980430	surfa	53.05	NA				
s98t000665	230	1	2	980430	surfa	NA	0.105				
s98t000665	230	1	1	980430	surfa	NA	0.105				
s98t000649	230	1	1	980430	surfa	NA	0.254				
s98t000649	230	1	2	980430	surfa	NA	0.275				
				tx104r230s1		39	0.264	0.433	1.591	-0.578	-3.81
s98t000654	230	2	1	980430	sub-s	41.83	NA				
s98t000654	230	2	2	980430	sub-s	42.06	NA				
s98t000666	230	2	2	980430	sub-s	51.85	NA				

```
s98t000666  230   2    1 980430 sub-s 51.88    NA
s98t000654  230   2    1 980430 sub-s    NA 0.032
s98t000654  230   2    2 980430 sub-s    NA 0.041
s98t000666  230   2    2 980430 sub-s    NA 0.106
s98t000666  230   2    1 980430 sub-s    NA 0.108
s98t000655  230   2    2 980430 sub-s 41.58    NA
s98t000655  230   2    1 980430 sub-s 44.72    NA
s98t000655  230   2    2 980430 sub-s    NA 0.042
s98t000655  230   2    1 980430 sub-s    NA 0.043
                        tx104r230s2  42.5 *****  0.069  1.629 -1.405 -5.673

s98t000761  231   1    1 980430 surfa 47.84    NA
s98t000761  231   1    2 980430 surfa 49.43    NA
s98t000743  231   1    2 980430 surfa 51.28    NA
s98t000743  231   1    1 980430 surfa 51.54    NA
s98t000761  231   1    1 980430 surfa    NA 0.092
s98t000761  231   1    2 980430 surfa    NA 0.100
s98t000743  231   1    2 980430 surfa    NA 0.168
s98t000743  231   1    1 980430 surfa    NA 0.201
                        tx104r231s1  51.4 0.184   0.38  1.711 -0.734 -3.945

s98t000744  231   2    2 980430 sub-s 48.25    NA
s98t000744  231   2    1 980430 sub-s 48.93    NA
s98t000762  231   2    1 980430 sub-s 52.80    NA
s98t000762  231   2    2 980430 sub-s 53.09    NA
s98t000762  231   2    1 980430 sub-s    NA 0.110
s98t000762  231   2    2 980430 sub-s    NA 0.116
s98t000744  231   2    2 980430 sub-s    NA 0.130
s98t000744  231   2    1 980430 sub-s    NA 0.144
s98t000745  231   2    2 980430 sub-s 48.86    NA
s98t000745  231   2    1 980430 sub-s 49.56    NA
s98t000763  231   2    2 980430 sub-s 52.33    NA
s98t000763  231   2    1 980430 sub-s 53.83    NA
s98t000745  231   2    1 980430 sub-s    NA 0.056
s98t000745  231   2    2 980430 sub-s    NA 0.065
s98t000763  231   2    2 980430 sub-s    NA 0.099
s98t000763  231   2    1 980430 sub-s    NA 0.103
                        tx104r231s2  48.9 *****  0.193  1.689 -1.005 -4.629
```

Summary for Tank tx105

Tank Statistics

wet.waste.vol	=	2305	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2223	dry.sterr.top	=	0.8727
dry.waste.vol	=	1588	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1530	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1604	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.69e-09	2.42e-08	2.47e-07	4.35e-06	0.000151	0.00213	0.345	27.1
Dry	2.58e-05	8.62e-05	0.000283	0.00103	0.00513	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank tx106

Tank Statistics

wet.waste.vol	=	1715	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1633	dry.sterr.top	=	0.8727
dry.waste.vol	=	1182	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1123	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.16	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.32e-09	3.22e-08	3.29e-07	3.98e-06	0.000132	0.00167	0.0674	4.53
Dry	2.74e-05	9.06e-05	0.000295	0.00106	0.0052	0.0161	0.0918	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank tx107

Tank Statistics

wet.waste.vol	=	132.5	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	50.39	dry.sterr.top	=	0.8727
dry.waste.vol	=	99.32	dry.sterr.bot	=	0.8727
dry.vol.top	=	62.3	dry.corr	=	0.7572
dry.vol.bot	=	37.02	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-1.147	toc.mu.top	=	-4.696
h2o.mu.bot	=	-1.019	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.4342	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.5297	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	0
h2o.mu	=	-1.252	toc.mu	=	NaN
rw.h2o.mu	=	0.08059	rw.toc.mu	=	4.514
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.78e-09	2.23e-08	2.08e-07	2.48e-06	4.35e-05	0.000243	0.0121	0.77
Dry	4.15e-05	0.000132	0.000415	0.00142	0.00628	0.0177	0.0722	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t000394	9a	1	1	960109	surfa	15.09	NA				
s96t000394	9a	1	2	960109	surfa	18.24	NA				
s96t000392	9a	1	1	960109	surfa	25.71	NA				
s96t000392	9a	1	2	960109	surfa	29.91	NA				
					tx107r9as1	22.2	NA	NA	1.347	NA	NA

Summary for Tank tx108

Tank Statistics

wet.waste.vol	=	507.2	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	425.1	dry.sterr.top	=	0.8727
dry.waste.vol	=	350.8	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	292.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1561	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.34e-09	1.46e-08	1.03e-07	1.94e-06	9.43e-05	0.0013	0.069	8.59
Dry	3.51e-05	0.000114	0.000362	0.00127	0.00586	0.0169	0.0838	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank tx109

Tank Statistics

wet.waste.vol	=	1453	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1371	dry.sterr.top	=	0.8727
dry.waste.vol	=	846.1	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	797.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4663	rw.toc.mu	=	4.579
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	6e-11	6.82e-10	9.89e-09	3.04e-07	1.42e-05	0.000245	0.0142	1.53
Dry	2.84e-05	9.34e-05	0.000303	0.00109	0.00526	0.0161	0.0911	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank tx110

Tank Statistics

wet.waste.vol	=	1749	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1667	dry.sterr.top	=	0.8727
dry.waste.vol	=	1205	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1147	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1601	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.15e-09	4.71e-08	5.28e-07	8.11e-06	0.000214	0.00262	0.085	11.2
Dry	2.73e-05	9.02e-05	0.000294	0.00106	0.00519	0.0161	0.092	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank tx111

Tank Statistics

wet.waste.vol	=	1400	dry.mu.top	=	-3.9
wet.vol.top	=	82.09	dry.mu.bot	=	-3.9
wet.vol.bot	=	1318	dry.sterr.top	=	0.8954
dry.waste.vol	=	965.5	dry.sterr.bot	=	0.8954
dry.vol.top	=	58.27	dry.corr	=	0.7694
dry.vol.bot	=	907.2	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.315
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.439
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9451
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9426
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1597	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.55e-07	1.3e-06	9.68e-06	0.000139	0.00191	0.016	1.23	33.7
Dry	0.000158	0.000483	0.00142	0.00458	0.0185	0.0485	0.203	0.812

Data From Tank

No Data Associated with This Tank

Summary for Tank tx112

Tank Statistics

wet.waste.vol	=	2456	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2374	dry.sterr.top	=	0.8727
dry.waste.vol	=	1692	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1634	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1605	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.85e-09	3.9e-08	4.01e-07	7.34e-06	0.000251	0.00151	0.073	5.56
Dry	2.55e-05	8.52e-05	0.000281	0.00103	0.00516	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank tx113

Tank Statistics

wet.waste.vol	=	2297	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2215	dry.sterr.top	=	0.8727
dry.waste.vol	=	1583	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1524	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1604	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.94e-09	5.03e-08	6.09e-07	4.61e-06	0.000163	0.00255	0.0999	4.7
Dry	2.58e-05	8.63e-05	0.000283	0.00103	0.00513	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank tx114

Tank Statistics

wet.waste.vol	=	2025	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1943	dry.sterr.top	=	0.8727
dry.waste.vol	=	1395	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1337	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1603	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.83e-09	3.83e-08	3.21e-07	4.65e-06	7.83e-05	0.00273	0.234	3.7
Dry	2.65e-05	8.81e-05	0.000288	0.00104	0.00515	0.0161	0.0922	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank tx115

Tank Statistics

wet.waste.vol	=	2422	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2340	dry.sterr.top	=	0.8727
dry.waste.vol	=	1669	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1610	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1605	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.16e-09	4.39e-08	5.36e-07	6.15e-06	0.000232	0.00462	0.289	21
Dry	2.56e-05	8.54e-05	0.000282	0.00103	0.00515	0.016	0.0923	0.52

Data From Tank

```
No Data Associated with This Tank
```

Summary for Tank tx116

Tank Statistics

wet.waste.vol	=	2388	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2306	dry.sterr.top	=	0.8727
dry.waste.vol	=	1645	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1587	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1605	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	4.34e-09	4.69e-08	6.41e-07	7.49e-06	0.000172	0.00227	0.229	27.7
Dry	2.56e-05	8.57e-05	0.000282	0.00103	0.00514	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank tx117

Tank Statistics

wet.waste.vol	=	2369	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	2287	dry.sterr.top	=	0.8727
dry.waste.vol	=	1632	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	1574	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1605	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.6e-09	4.76e-08	4.39e-07	5.86e-06	0.000223	0.00278	0.0953	9.09
Dry	2.57e-05	8.58e-05	0.000283	0.00103	0.00514	0.016	0.0923	0.52

Data From Tank

No Data Associated with This Tank

Summary for Tank tx118

Tank Statistics

wet.waste.vol	=	1313	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1231	dry.sterr.top	=	0.8727
dry.waste.vol	=	905.6	dry.sterr.bot	=	0.8727
dry.vol.top	=	58.27	dry.corr	=	0.7572
dry.vol.bot	=	847.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.8949	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.7914	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8108	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8104	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.1595	rw.toc.mu	=	4.527
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.46e-09	2.76e-08	2.89e-07	5.33e-06	0.000177	0.00288	0.108	3.78
Dry	2.89e-05	9.46e-05	0.00031	0.0011	0.00532	0.0162	0.0909	0.812

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
NA	na2	NA	1	del.qa	800101	super	NA	3.22
rat-tx118-6	na7	NA	NA	del.qa	NA	surfa	NA	1.06

Summary for Tank ty101

Tank Statistics

wet.waste.vol	=	446.6	dry.mu.top	=	-4.635
wet.vol.top	=	82.09	dry.mu.bot	=	-4.773
wet.vol.bot	=	364.5	dry.sterr.top	=	0.7085
dry.waste.vol	=	260.6	dry.sterr.bot	=	0.5556
dry.vol.top	=	48.66	dry.corr	=	0.5939
dry.vol.bot	=	212	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.3755	toc.mu.top	=	-5.137
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-5.395
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.7226
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.54
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	1
h2o.mu	=	NaN	toc.mu	=	-5.706
rw.h2o.mu	=	0.4602	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.06e-15	1.52e-13	3.36e-12	4.25e-11	2.13e-09	3.58e-08	5.23e-06	0.000359
Dry	1.55e-06	4.04e-06	1.08e-05	3.16e-05	0.000128	0.000381	0.00169	0.653

Data From Tank

```
  lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
51xcoooo  na1  999   NA   NA sub-s   NA 0.066
                 ty101rna135s999 41.9 *****  0.114  1.622 -1.178 -5.161
```

Summary for Tank ty102

Tank Statistics

wet.waste.vol	=	242.2	dry.mu.top	=	-4.325
wet.vol.top	=	82.09	dry.mu.bot	=	-4.848
wet.vol.bot	=	160.2	dry.sterr.top	=	0.5052
dry.waste.vol	=	122.5	dry.sterr.bot	=	0.5052
dry.vol.top	=	41.75	dry.corr	=	0.4658
dry.vol.bot	=	80.71	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.03456	toc.mu.top	=	-4.922
h2o.mu.bot	=	-0.01585	toc.mu.bot	=	-5.609
h2o.sterr.top	=	0.4342	toc.sterr.top	=	0.4901
h2o.sterr.bot	=	0.5297	toc.sterr.bot	=	0.4898
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	2
h2o.mu	=	0.3228	toc.mu	=	-5.421
rw.h2o.mu	=	0.9504	rw.toc.mu	=	4.662
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.3e-16	9.13e-16	7.05e-15	7.36e-14	2.4e-12	2.64e-11	7.48e-10	5.56e-07
Dry	5.07e-06	1.05e-05	2.26e-05	5.26e-05	0.00016	0.000358	0.00143	0.584

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
41xcoooo	na1	999	NA	NA	sub-s	NA	0.033				
			ty102rna136s999			49.6	*****	0.065	1.696	-1.485	-5.728
rat-ty102-1	na5	NA	NA	NA	surfa	58	NA				
			**********			58	NA	NA	1.763	NA	NA
rat-ty102-1	na7	NA	NA	NA	surfa	NA	0.236				
			**********			49.1	0.236	0.464	1.691	-0.627	-3.74

Summary for Tank ty103

Tank Statistics

wet.waste.vol	=	613.2	dry.mu.top	=	-4.485
wet.vol.top	=	82.09	dry.mu.bot	=	-4.513
wet.vol.bot	=	531.1	dry.sterr.top	=	0.4868
dry.waste.vol	=	315.9	dry.sterr.bot	=	0.4136
dry.vol.top	=	43.58	dry.corr	=	0.3958
dry.vol.bot	=	272.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	3
h2o.mu.top	=	-0.1238	toc.mu.top	=	-5.08
h2o.mu.bot	=	-0.05139	toc.mu.bot	=	-5.203
h2o.sterr.top	=	0.3691	toc.sterr.top	=	0.4741
h2o.sterr.bot	=	0.369	toc.sterr.bot	=	0.3948
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	3
h2o.mu	=	0.07746	toc.mu	=	-5.24
rw.h2o.mu	=	0.8701	rw.toc.mu	=	4.648
h2o.grp	=	dry.saltcake	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.7e-16	1.84e-15	1.5e-14	1.57e-13	2.28e-12	1.99e-11	1.38e-09	2.71e-07
Dry	4.96e-06	9.3e-06	1.8e-05	3.75e-05	9.67e-05	0.00021	0.000681	0.729

Data From Tank

```
     lab.id  ris  seg repl date layer   h2o   toc drytoc logh2o logtoc lgtdry
32xcoooo     na1  999   NA   NA sub-s    NA 0.149
                      ty103rna137s999  48.7 0.149  0.291  1.688 -0.827 -4.217

31xcoooo     na1  999   NA   NA sub-s    NA 0.072
                      ty103rna138s999  48.7 *****  0.139  1.688 -1.146 -4.959

rat-ty103-1  na5  NA    NA   NA surfa 52.67    NA
                      ***************  52.7    NA     NA  1.722     NA     NA

32xcoooo     na6  999   NA   NA sub-s 51.20    NA
                       ty103rna65s999  51.2    NA     NA  1.709     NA     NA

rat-ty103-1  na7  NA    NA   NA surfa    NA 0.110
```

********** 46.9 0.11 0.207 1.671 -0.959 -4.559

Summary for Tank ty104

Tank Statistics

wet.waste.vol	=	162.8	dry.mu.top	=	-3.496
wet.vol.top	=	82.09	dry.mu.bot	=	-3.676
wet.vol.bot	=	80.67	dry.sterr.top	=	0.44
dry.waste.vol	=	77.66	dry.sterr.bot	=	0.6603
dry.vol.top	=	41.08	dry.corr	=	0.5047
dry.vol.bot	=	36.58	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.001941	toc.mu.top	=	-4.143
h2o.mu.bot	=	0.1869	toc.mu.bot	=	-4.396
h2o.sterr.top	=	0.3324	toc.sterr.top	=	0.4198
h2o.sterr.bot	=	0.4748	toc.sterr.bot	=	0.6732
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	0.07218	toc.mu	=	-3.994
rw.h2o.mu	=	1.264	rw.toc.mu	=	4.715
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	6.71e-12	2.46e-11	1.03e-10	6.07e-10	5.78e-09	3.27e-08	7.1e-07	0.000304
Dry	0.00101	0.00172	0.00297	0.00546	0.0121	0.0224	0.0565	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000235	15	1	2	950228	surfa	49.75	NA				
s95t000240	15	1	1	950228	surfa	51.42	NA				
s95t000240	15	1	2	950228	surfa	51.67	NA				
s95t000235	15	1	1	950228	surfa	55.23	NA				
s95t000236	15	1	1	950228	surfa	NA	0.083				
s95t000236	15	1	2	950228	surfa	NA	0.097				
s95t000738w	15	1	1	950228	surfa	NA	0.551				
s95t000738w	15	1	2	950228	surfa	NA	0.694				
				ty104r15s1		52	0.356	0.742	1.716	-0.448	-3.256
s95t000316	18	1	2	950228	surfa	49.95	NA				
s95t000316	18	1	1	950228	surfa	53.23	NA				
s95t000316	18	1	1	950228	surfa	NA	0.077				

s95t000316	18	1	2	950228	surfa		NA	0.090			
s95t000737w	18	1	1	950228	surfa		NA	0.652			
s95t000737w	18	1	2	950228	surfa		NA	0.652			
						ty104r18s1	51.6	0.368	0.76	1.713	-0.434 -3.232

Summary for Tank ty105

Tank Statistics

wet.waste.vol	=	874.3	dry.mu.top	=	-4.755
wet.vol.top	=	82.09	dry.mu.bot	=	-4.818
wet.vol.bot	=	792.2	dry.sterr.top	=	0.7347
dry.waste.vol	=	524.4	dry.sterr.bot	=	0.5738
dry.vol.top	=	49.94	dry.corr	=	0.6207
dry.vol.bot	=	474.4	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-0.4403	toc.mu.top	=	-5.195
h2o.mu.bot	=	-0.4007	toc.mu.bot	=	-5.377
h2o.sterr.top	=	0.5338	toc.sterr.top	=	0.7451
h2o.sterr.bot	=	0.4351	toc.sterr.bot	=	0.5545
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	1
h2o.mu	=	-0.4305	toc.mu	=	-5.511
rw.h2o.mu	=	0.3942	rw.toc.mu	=	4.567
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.95e-15	9.2e-14	1.22e-12	1.91e-11	5.22e-10	7.35e-09	6.83e-07	0.00126
Dry	7.82e-07	2.13e-06	5.88e-06	1.81e-05	7.75e-05	0.000235	0.00117	0.812

Data From Tank

```
  lab.id  ris  seg repl date layer  h2o  toc drytoc logh2o logtoc lgtdry
61xcoooo  na1  999   NA   NA sub-s   NA 0.08
                ty105rna134s999 40.1 ****  0.134  1.603 -1.094 -4.996

61xcoooo  na6  999   NA   NA sub-s 39.4   NA
                ty105rna64s999 39.4   NA     NA  1.595     NA     NA
```

Summary for Tank ty106

Tank Statistics

wet.waste.vol	=	64.34	dry.mu.top	=	-4.637
wet.vol.top	=	64.34	dry.mu.bot	=	-4.412
wet.vol.bot	=	0	dry.sterr.top	=	0.4769
dry.waste.vol	=	41.56	dry.sterr.bot	=	0.3236
dry.vol.top	=	41.56	dry.corr	=	0.33
dry.vol.bot	=	0	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	5
h2o.mu.top	=	-0.6009	toc.mu.top	=	-5.066
h2o.mu.bot	=	-0.503	toc.mu.bot	=	-4.898
h2o.sterr.top	=	0.2595	toc.sterr.top	=	0.4657
h2o.sterr.bot	=	0.3357	toc.sterr.bot	=	0.3044
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	4	toc.nobs	=	5
h2o.mu	=	-0.5983	toc.mu	=	-4.921
rw.h2o.mu	=	0.2507	rw.toc.mu	=	4.543
h2o.grp	=	dry.sludge	toc.grp	=	n

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	8.93e-16	1.06e-14	1.5e-13	1.1e-12	1.35e-11	7.05e-11	4.64e-09	1.12e-07
Dry	1.18e-06	2.7e-06	6.35e-06	1.64e-05	5.71e-05	0.000149	0.000775	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000299	6	1	2	950302	surfa	32.20	NA				
s95t000299	6	1	1	950302	surfa	37.17	NA				
s95t000301	6	1	2	950302	surfa	39.16	NA				
s95t000301	6	1	1	950302	surfa	39.18	NA				
					ty106r6s1	36.9	NA	NA	1.567	NA	NA
s95t000286	7	1	1	950303	surfa	30.28	NA				
s95t000286	7	1	2	950303	surfa	30.80	NA				
					ty106r7s1	30.5	NA	NA	1.485	NA	NA
161cooo	na1	999	NA	NA	sub-s	NA	0.209				
					ty106rna142s999	37.7	0.209	0.335	1.576	-0.68	-4.071

111cxcomp1	na1	999	1	NA	sub-s	NA	0.170					
			ty106rna143s999			37.7	0.17	0.273	1.576	-0.77	-4.281	
111cxcomp1	na1	999	1	NA	sub-s	NA	0.078					
			ty106rna144s999			37.7	0.078	0.125	1.576	-1.108	-5.068	
111cooooo	na1	999	NA	NA	sub-s	NA	0.248					
			ty106rna145s999			37.7	0.248	0.398	1.576	-0.606	-3.897	
rat-ty106-2	na4	NA	NA	NA	surfa	35.50	NA					
			**********			35.5	NA	NA	1.55	NA	NA	
111cxcomp1	na6	999	1	NA	sub-s	39.20	NA					
			ty106rna67s999			39.2	NA	NA	1.593	NA	NA	
rat-ty106-2	na7	NA	NA	NA	surfa	NA	0.092					
			ty106rna76s-7090			35.4	0.092	0.142	1.549	-1.036	-4.937	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
111cxcomp1	na6	999	1	del.dup	NA	sub-s	39.2	NA

Summary for Tank u101

Tank Statistics

wet.waste.vol	=	83.27	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	1.183	dry.sterr.top	=	0.8727
dry.waste.vol	=	48.96	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.33	dry.corr	=	0.7572
dry.vol.bot	=	0.6315	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4418	rw.toc.mu	=	4.575
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.23e-12	1.72e-11	3.14e-10	9.23e-09	5.12e-07	8.9e-06	0.00137	0.19
Dry	2.17e-05	7.43e-05	0.000255	0.000967	0.00494	0.0158	0.0863	1

Data From Tank

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t003471	1	1	1	del.sup	960529	super	36.68	NA
s96t003471	1	1	2	del.sup	960529	super	37.61	NA
s96t003330	1	1	2	del.sup	960529	super	76.86	NA
s96t003330	1	1	1	del.sup	960529	super	77.63	NA
s96t003472	1	1	1	del.sup	960529	super	27.70	NA
s96t003472	1	1	2	del.sup	960529	super	31.36	NA
s96t003331	1	1	2	del.sup	960529	super	77.70	NA
s96t003331	1	1	1	del.sup	960529	super	78.12	NA
s96t003468	7	1	2	del.sup	960530	super	29.93	NA
s96t003468	7	1	1	del.sup	960530	super	33.94	NA
s96t003328	7	1	1	del.sup	960530	super	65.25	NA
s96t003328	7	1	2	del.sup	960530	super	78.40	NA

```
s96t003469    7    1    2 del.sup 960530 super 19.06   NA
s96t003469    7    1    1 del.sup 960530 super 21.90   NA
s96t003329    7    1    1 del.sup 960530 super 77.70   NA
s96t003329    7    1    2 del.sup 960530 super 77.77   NA
```

Summary for Tank u102

Tank Statistics

wet.waste.vol	=	1347	dry.mu.top	=	-2.99
wet.vol.top	=	82.09	dry.mu.bot	=	-2.821
wet.vol.bot	=	1265	dry.sterr.top	=	0.3875
dry.waste.vol	=	893.4	dry.sterr.bot	=	0.2156
dry.vol.top	=	49.38	dry.corr	=	0.1896
dry.vol.bot	=	844	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	12
h2o.mu.top	=	-0.4117	toc.mu.top	=	-3.466
h2o.mu.bot	=	-0.6948	toc.mu.bot	=	-3.271
h2o.sterr.top	=	0.2693	toc.sterr.top	=	0.3746
h2o.sterr.bot	=	0.1538	toc.sterr.bot	=	0.2014
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	12	toc.nobs	=	12
h2o.mu	=	-0.641	toc.mu	=	-3.252
rw.h2o.mu	=	0.2132	rw.toc.mu	=	4.536
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.71e-05	5.92e-05	9.61e-05	0.000158	0.000459	0.000893	0.00329	0.0255
Dry	0.014	0.017	0.0206	0.0257	0.0346	0.0439	0.0641	0.52

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t002323	19	1	2	960416	surfa	50.28	NA				
s96t002323	19	1	1	960416	surfa	50.93	NA				
s96t002524	19	1	1	960416	surfa	NA	0.910				
s96t002524	19	1	2	960416	surfa	NA	0.925				
s96t002326	19	1	2	960416	surfa	40.30	NA				
s96t002326	19	1	1	960416	surfa	41.50	NA				
s96t002329	19	1	2	960416	surfa	51.35	NA				
s96t002329	19	1	1	960416	surfa	51.79	NA				
s96t002329	19	1	2	960416	surfa	NA	0.403				
s96t002329	19	1	1	960416	surfa	NA	0.438				
s96t002326	19	1	1	960416	surfa	NA	0.696				
s96t002326	19	1	2	960416	surfa	NA	0.790				
					u102r19s1	46.2	0.582	1.082	1.665	-0.235	-2.861

s96t002335	19	2	2	960416	sub-s	48.92	NA				
s96t002332	19	2	1	960416	sub-s	50.30	NA				
s96t002335	19	2	1	960416	sub-s	50.52	NA				
s96t002332	19	2	2	960416	sub-s	51.41	NA				
s96t002332	19	2	1	960416	sub-s	NA	0.712				
s96t002335	19	2	1	960416	sub-s	NA	0.771				
s96t002332	19	2	2	960416	sub-s	NA	0.776				
s96t002335	19	2	2	960416	sub-s	NA	0.867				
				u102r19s2		50.3	0.782	1.572	1.701	-0.107	-2.461
s96t002341	19	3	1	960416	sub-s	31.61	NA				
s96t002341	19	3	2	960416	sub-s	33.17	NA				
s96t002338	19	3	1	960416	sub-s	42.94	NA				
s96t002338	19	3	2	960416	sub-s	43.60	NA				
s96t002341	19	3	2	960416	sub-s	NA	0.941				
s96t002341	19	3	1	960416	sub-s	NA	0.952				
s96t002338	19	3	1	960416	sub-s	NA	1.010				
s96t002338	19	3	2	960416	sub-s	NA	1.030				
				u102r19s3		37.8	0.983	1.582	1.578	-0.007	-2.455
s96t002344	19	4	2	960416	sub-s	14.78	NA				
s96t002344	19	4	1	960416	sub-s	22.44	NA				
s96t002344	19	4	1	960416	sub-s	28.10	NA				
s96t002344	19	4	2	960416	sub-s	31.81	NA				
s96t002347	19	4	2	960416	sub-s	43.20	NA				
s96t002347	19	4	1	960416	sub-s	46.82	NA				
s96t002344	19	4	1	960416	sub-s	NA	0.944				
s96t002344	19	4	2	960416	sub-s	NA	0.965				
s96t002347	19	4	1	960416	sub-s	NA	1.030				
s96t002347	19	4	2	960416	sub-s	NA	1.110				
				u102r19s4		31.2	1.01	1.471	1.494	0.005	-2.533
s96t002500	19	5	1	960416	sub-s	15.72	NA				
s96t002500	19	5	2	960416	sub-s	16.48	NA				
s96t002500	19	5	1	960416	sub-s	NA	0.436				
s96t002500	19	5	2	960416	sub-s	NA	0.442				
s96t002501	19	5	2	960416	sub-s	17.11	NA				
s96t002501	19	5	1	960416	sub-s	17.19	NA				
s96t002501	19	5	1	960416	sub-s	NA	0.409				
s96t002501	19	5	2	960416	sub-s	NA	0.420				
s96t002665	19	5	2	960416	sub-s	32.66	NA				
s96t002665	19	5	1	960416	sub-s	40.24	NA				
s96t002666	19	5	2	960416	sub-s	42.96	NA				
s96t002666	19	5	1	960416	sub-s	46.26	NA				
s96t002665	19	5	1	960416	sub-s	NA	0.918				

s96t002665	19	5	2	960416	sub-s	NA	0.924					
s96t002666	19	5	1	960416	sub-s	NA	1.020					
s96t002666	19	5	2	960416	sub-s	NA	1.160					
					u102r19s5	28.6	0.716	1.003	1.456	-0.145	-2.942	
s96t002755	19	6	2	960416	sub-s	40.70	NA					
s96t002755	19	6	1	960416	sub-s	41.68	NA					
s96t002755	19	6	1	960416	sub-s	NA	0.865					
s96t002755	19	6	2	960416	sub-s	NA	0.913					
					u102r19s6	41.2	0.889	1.512	1.615	-0.051	-2.504	
s96t002549	9	1	2	960429	surfa	40.23	NA					
s96t002549	9	1	1	960429	surfa	52.29	NA					
s96t003622	9	1	1	960429	surfa	NA	1.309					
s96t003622	9	1	2	960429	surfa	NA	1.324					
s96t002632	9	1	2	960429	surfa	38.20	NA					
s96t002632	9	1	1	960429	surfa	40.77	NA					
s96t002632	9	1	1	960429	surfa	NA	0.593					
s96t002632	9	1	2	960429	surfa	NA	0.599					
					u102r9s1	39.5	0.596	0.985	1.596	-0.225	-2.96	
s96t002646	9	2	2	960429	sub-s	12.51	NA					
s96t002646	9	2	1	960429	sub-s	33.09	NA					
s96t002633	9	2	1	960429	sub-s	33.61	NA					
s96t002646	9	2	2	960429	sub-s	33.69	NA					
s96t002633	9	2	2	960429	sub-s	33.85	NA					
s96t002646	9	2	1	960429	sub-s	38.93	NA					
s96t002633	9	2	2	960429	sub-s	NA	0.539					
s96t002633	9	2	1	960429	sub-s	NA	0.573					
s96t002646	9	2	1	960429	sub-s	NA	0.711					
s96t002646	9	2	2	960429	sub-s	NA	0.719					
					u102r9s2	30.9	0.636	0.92	1.491	-0.197	-3.032	
s96t002647	9	3	1	960429	sub-s	7.68	NA					
s96t002647	9	3	2	960429	sub-s	10.25	NA					
s96t002647	9	3	2	960429	sub-s	10.46	NA					
s96t002647	9	3	1	960429	sub-s	11.59	NA					
s96t002636	9	3	1	960429	sub-s	11.72	NA					
s96t002636	9	3	1	960429	sub-s	12.63	NA					
s96t002636	9	3	2	960429	sub-s	12.66	NA					
s96t002636	9	3	2	960429	sub-s	37.05	NA					
s96t002636	9	3	2	960429	sub-s	NA	0.361					
s96t002636	9	3	1	960429	sub-s	NA	0.389					
s96t002647	9	3	2	960429	sub-s	NA	0.393					
s96t002647	9	3	1	960429	sub-s	NA	0.403					
					u102r9s3	14.3	0.386	0.451	1.154	-0.413	-3.77	

s96t002775	9	4	2	960429	sub-s	20.10	NA					
s96t002775	9	4	1	960429	sub-s	24.47	NA					
s96t002776	9	4	2	960429	sub-s	29.90	NA					
s96t002776	9	4	1	960429	sub-s	30.10	NA					
s96t002775	9	4	1	960429	sub-s	NA	0.678					
s96t002775	9	4	2	960429	sub-s	NA	0.702					
s96t002776	9	4	2	960429	sub-s	NA	0.892					
s96t002776	9	4	1	960429	sub-s	NA	0.986					
					u102r9s4	26.1	0.814	1.103	1.417	-0.089	-2.841	
s96t002777	9	5	2	960429	sub-s	33.70	NA					
s96t002777	9	5	1	960429	sub-s	35.90	NA					
s96t002778	9	5	2	960429	sub-s	37.04	NA					
s96t002778	9	5	1	960429	sub-s	40.04	NA					
s96t002778	9	5	2	960429	sub-s	NA	0.857					
s96t002778	9	5	1	960429	sub-s	NA	0.913					
s96t002777	9	5	1	960429	sub-s	NA	1.160					
s96t002777	9	5	2	960429	sub-s	NA	1.190					
					u102r9s5	36.7	1.03	1.626	1.564	0.013	-2.425	
s96t002780	9	6	2	960429	sub-s	44.08	NA					
s96t002780	9	6	1	960429	sub-s	44.90	NA					
s96t002779	9	6	1	960429	sub-s	50.10	NA					
s96t002779	9	6	2	960429	sub-s	55.46	NA					
s96t002780	9	6	2	960429	sub-s	NA	0.743					
s96t002780	9	6	1	960429	sub-s	NA	0.792					
s96t002779	9	6	1	960429	sub-s	NA	1.110					
s96t002779	9	6	2	960429	sub-s	NA	1.120					
s96t003609	9	6	2	960429	sub-s	20.50	NA					
s96t003609	9	6	1	960429	sub-s	28.09	NA					
s96t003609	9	6	2	960429	sub-s	NA	0.544					
s96t003609	9	6	1	960429	sub-s	NA	0.570					
					u102r9s6	40.5	0.813	1.367	1.608	-0.09	-2.612	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t002762	9	99	1	del.99	960429	sub-s	99.03	NA
s96t002762	9	99	2	del.99	960429	sub-s	99.87	NA

Summary for Tank u103

Tank Statistics

wet.waste.vol	=	1722	dry.mu.top	=	-3.588
wet.vol.top	=	82.09	dry.mu.bot	=	-3.484
wet.vol.bot	=	1640	dry.sterr.top	=	0.7173
dry.waste.vol	=	1496	dry.sterr.bot	=	0.5617
dry.vol.top	=	68.44	dry.corr	=	0.6032
dry.vol.bot	=	1427	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	1
h2o.mu.top	=	-1.612	toc.mu.top	=	-3.768
h2o.mu.bot	=	-1.904	toc.mu.bot	=	-3.724
h2o.sterr.top	=	0.5395	toc.sterr.top	=	0.7309
h2o.sterr.bot	=	0.4356	toc.sterr.bot	=	0.5448
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	1
h2o.mu	=	-2.351	toc.mu	=	-3.337
rw.h2o.mu	=	0.01305	rw.toc.mu	=	4.502
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.0025	0.00655	0.0157	0.044	0.236	0.566	3.95	16.6
Dry	0.00106	0.00198	0.0037	0.00742	0.0176	0.0336	0.0942	0.812

Data From Tank

```
lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
    NA  na5   NA   NA   NA sub-s  8.7    NA
                ********** 8.7    NA     NA   0.94     NA     NA

    NA  na8   NA   NA   NA sub-s   NA 0.686
              . u103rna84s-7082   13 0.686  0.789  1.113 -0.163 -3.193
```

Unused Data Records

```
lab.id  ris  seg repl  status . date layer  h2o   toc
    NA  na2   NA    1 del.dat 781204 sub-s  8.7    NA
    NA  na2   NA    1 del.dat 781204 sub-s   NA 0.686
```

Summary for Tank u104

Tank Statistics

wet.waste.vol	=	461.8	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	379.7	dry.sterr.top	=	0.8727
dry.waste.vol	=	269.4	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.66	dry.corr	=	0.7572
dry.vol.bot	=	220.8	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3755	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.3288	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8158	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.816	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.4605	rw.toc.mu	=	4.578
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	3.08e-11	3.55e-10	6.6e-09	1.15e-07	7.34e-06	0.00011	0.00415	3.89
Dry	3.59e-05	0.000116	0.000367	0.00128	0.00587	0.017	0.0832	0.703

Data From Tank

No Data Associated with This Tank

Summary for Tank u105

Tank Statistics

wet.waste.vol	=	1442	dry.mu.top	=	-2.567
wet.vol.top	=	82.09	dry.mu.bot	=	-2.435
wet.vol.bot	=	1360	dry.sterr.top	=	0.4533
dry.waste.vol	=	1037	dry.sterr.bot	=	0.1535
dry.vol.top	=	56.36	dry.corr	=	0.1588
dry.vol.bot	=	980.3	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	22
h2o.mu.top	=	-0.784	toc.mu.top	=	-2.867
h2o.mu.bot	=	-0.9483	toc.mu.bot	=	-2.803
h2o.sterr.top	=	0.3093	toc.sterr.top	=	0.4478
h2o.sterr.bot	=	0.1098	toc.sterr.bot	=	0.1427
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	22	toc.nobs	=	22
h2o.mu	=	-0.9435	toc.mu	=	-2.774
rw.h2o.mu	=	0.1156	rw.toc.mu	=	4.52
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.00809	0.0105	0.0151	0.0229	0.0426	0.0629	0.187	0.665
Dry	0.0487	0.0544	0.0611	0.0698	0.0832	0.0956	0.12	0.678

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t001232	2	1	1	960229	surfa	NA	0.046				
s96t001234	2	1	1	960229	surfa	NA	0.107				
s96t001234	2	1	3	960229	surfa	NA	0.133				
s96t001234	2	1	2	960229	surfa	NA	0.146				
s96t001232	2	1	3	960229	surfa	NA	0.187				
s96t001232	2	1	2	960229	surfa	NA	0.224				
					u105r2s1	NA	NA	NA	NA	NA	NA
s96t001284	2	2	2	960229	sub-s	15.42	NA				
s96t001284	2	2	3	960229	sub-s	32.11	NA				
s96t001284	2	2	1	960229	sub-s	38.69	NA				
s96t001284	2	2	1	960229	sub-s	NA	0.902				
s96t001284	2	2	2	960229	sub-s	NA	1.120				

					u105r2s2	28.7	1.01	1.419	1.458	0.005 -2.572
s96t001290	2	3	1	960229	sub-s	35.16	NA			
s96t001290	2	3	2	960229	sub-s	37.79	NA			
s96t001290	2	3	1	960229	sub-s	NA	1.160			
s96t001290	2	3	2	960229	sub-s	NA	1.170			
					u105r2s3	36.5	1.16	1.834	1.562	0.066 -2.293
s96t001300	2	4	1	960229	sub-s	27.52	NA			
s96t001300	2	4	2	960229	sub-s	28.18	NA			
s96t001300	2	4	1	960229	sub-s	NA	1.060			
s96t001300	2	4	2	960229	sub-s	NA	1.110			
					u105r2s4	27.8	1.08	1.504	1.445	0.035 -2.51
s96t001289	2	5	2	960229	sub-s	22.67	NA			
s96t001289	2	5	1	960229	sub-s	24.34	NA			
s96t001289	2	5	1	960229	sub-s	NA	1.290			
s96t001289	2	5	2	960229	sub-s	NA	1.290			
					u105r2s5	23.5	1.29	1.686	1.371	0.111 -2.385
s96t001307	2	6	1	960229	sub-s	35.42	NA			
s96t001307	2	6	2	960229	sub-s	37.77	NA			
s96t001307	2	6	1	960229	sub-s	NA	1.540			
s96t001307	2	6	2	960229	sub-s	NA	1.540			
					u105r2s6	36.6	1.54	2.429	1.563	0.188 -1.979
s96t001452	2	8	1	960229	sub-s	16.23	NA			
s96t001452	2	8	2	960229	sub-s	16.88	NA			
s96t001451	2	8	1	960229	sub-s	19.37	NA			
s96t001451	2	8	2	960229	sub-s	20.27	NA			
s96t001451	2	8	2	960229	sub-s	NA	1.020			
s96t001451	2	8	1	960229	sub-s	NA	1.030			
s96t001452	2	8	2	960229	sub-s	NA	1.260			
s96t001452	2	8	1	960229	sub-s	NA	1.280			
					u105r2s8	18.2	1.15	1.403	1.26	0.06 -2.585
s96t001453	2	9	2	960229	sub-s	4.00	NA			
s96t001453	2	9	1	960229	sub-s	12.91	NA			
s96t001453	2	9	2	960229	sub-s	13.75	NA			
s96t001453	2	9	3	960229	sub-s	14.52	NA			
s96t001453	2	9	1	960229	sub-s	15.20	NA			
s96t001453	2	9	1	960229	sub-s	16.01	NA			
s96t001453	2	9	2	960229	sub-s	17.00	NA			
s96t001454	2	9	1	960229	sub-s	29.71	NA			
s96t001454	2	9	2	960229	sub-s	34.46	NA			
s96t001453	2	9	1	960229	sub-s	NA	0.848			

s96t001453	2	9	2	960229	sub-s	NA	0.947					
s96t001454	2	9	2	960229	sub-s	NA	1.370					
s96t001454	2	9	1	960229	sub-s	NA	1.450					
					u105r2s9	17.5	1.15	1.399	1.243	0.062	-2.588	
s96t000859	20	1	2	960213	surfa	11.70	NA					
s96t000859	20	1	1	960213	surfa	33.53	NA					
s96t000859	20	1	2	960213	surfa	33.55	NA					
s96t000859	20	1	1	960213	surfa	40.44	NA					
s96t000859	20	1	2	960213	surfa	NA	1.050					
s96t000859	20	1	1	960213	surfa	NA	1.300					
s96t000859	20	1	3	960213	surfa	NA	1.310					
					u105r20s1	29.8	1.22	1.738	1.474	0.086	-2.352	
s96t000932	20	2	2	960213	sub-s	36.26	NA					
s96t000932	20	2	1	960213	sub-s	38.45	NA					
s96t000932	20	2	1	960213	sub-s	NA	1.120					
s96t000932	20	2	2	960213	sub-s	NA	1.130					
					u105r20s2	37.4	1.12	1.796	1.572	0.051	-2.316	
s96t000939	20	3	1	960213	sub-s	29.11	NA					
s96t000939	20	3	2	960213	sub-s	33.34	NA					
s96t000939	20	3	2	960213	sub-s	NA	0.854					
s96t000939	20	3	1	960213	sub-s	NA	0.912					
					u105r20s3	31.2	0.883	1.284	1.495	-0.054	-2.679	
s96t000946	20	4	1	960213	sub-s	24.94	NA					
s96t000953	20	4	1	960213	sub-s	25.25	NA					
s96t000946	20	4	2	960213	sub-s	25.67	NA					
s96t000953	20	4	2	960213	sub-s	26.64	NA					
s96t000946	20	4	2	960213	sub-s	NA	1.140					
s96t000953	20	4	2	960213	sub-s	NA	1.170					
s96t000953	20	4	1	960213	sub-s	NA	1.180					
s96t000946	20	4	1	960213	sub-s	NA	1.200					
					u105r20s4	25.6	1.17	1.576	1.409	0.069	-2.458	
s96t000960	20	5	1	960213	sub-s	25.78	NA					
s96t000960	20	5	2	960213	sub-s	28.68	NA					
s96t000960	20	5	1	960213	sub-s	NA	0.668					
s96t000960	20	5	2	960213	sub-s	NA	0.874					
					u105r20s5	27.2	0.771	1.06	1.435	-0.113	-2.884	
s96t000967	20	6	2	960213	sub-s	2.09	NA					
s96t000967	20	6	3	960213	sub-s	19.05	NA					
s96t000967	20	6	1	960213	sub-s	21.44	NA					
s96t000967	20	6	2	960213	sub-s	NA	0.849					

s96t000967	20	6	1	960213	sub-s	NA	0.886					
					u105r20s6	14.2	0.868	1.011	1.152	-0.062	-2.933	
s96t000974	20	7	2	960213	sub-s	25.09	NA					
s96t000974	20	7	1	960213	sub-s	25.69	NA					
s96t000983	20	7	2	960213	sub-s	35.68	NA					
s96t000983	20	7	1	960213	sub-s	39.37	NA					
s96t000974	20	7	2	960213	sub-s	NA	0.948					
s96t000974	20	7	1	960213	sub-s	NA	0.953					
s96t000983	20	7	2	960213	sub-s	NA	1.220					
s96t000983	20	7	1	960213	sub-s	NA	1.280					
					u105r20s7	31.5	1.1	1.605	1.498	0.041	-2.439	
s96t000997	20	8	1	960213	sub-s	28.03	NA					
s96t000997	20	8	2	960213	sub-s	28.94	NA					
s96t000990	20	8	2	960213	sub-s	30.69	NA					
s96t000990	20	8	1	960213	sub-s	31.85	NA					
s96t000990	20	8	2	960213	sub-s	NA	0.973					
s96t000990	20	8	1	960213	sub-s	NA	0.998					
s96t000997	20	8	2	960213	sub-s	NA	1.420					
s96t000997	20	8	1	960213	sub-s	NA	1.630					
					u105r20s8	29.9	1.26	1.79	1.475	0.099	-2.32	
s96t001004	20	9	2	960213	sub-s	21.60	NA					
s96t001004	20	9	1	960213	sub-s	22.81	NA					
s96t001011	20	9	2	960213	sub-s	30.17	NA					
s96t001011	20	9	1	960213	sub-s	30.22	NA					
s96t001004	20	9	2	960213	sub-s	NA	1.380					
s96t001004	20	9	1	960213	sub-s	NA	1.400					
s96t001011	20	9	1	960213	sub-s	NA	1.750					
s96t001011	20	9	2	960213	sub-s	NA	1.850					
					u105r20s9	26.2	1.6	2.161	1.418	0.203	-2.111	
s96t001631	7	3	1	960318	sub-s	43.12	NA					
s96t001631	7	3	2	960318	sub-s	46.10	NA					
s96t001631	7	3	2	960318	sub-s	NA	0.784					
s96t001631	7	3	1	960318	sub-s	NA	1.110					
					u105r7s3	44.6	0.947	1.71	1.649	-0.024	-2.37	
s96t001632	7	4	2	960318	sub-s	29.22	NA					
s96t001632	7	4	1	960318	sub-s	33.39	NA					
s96t001633	7	4	1	960318	sub-s	33.57	NA					
s96t001633	7	4	2	960318	sub-s	33.68	NA					
s96t001632	7	4	2	960318	sub-s	NA	0.964					
s96t001632	7	4	1	960318	sub-s	NA	1.050					
s96t001633	7	4	2	960318	sub-s	NA	1.300					

s96t001633	7	4	1	960318	sub-s	NA	1.350					
					u105r7s4	32.5	1.17	1.727	1.511	0.067	-2.359	
s96t001635	7	5	2	960318	sub-s	31.31	NA					
s96t001635	7	5	1	960318	sub-s	34.83	NA					
s96t001634	7	5	1	960318	sub-s	41.48	NA					
s96t001634	7	5	2	960318	sub-s	41.66	NA					
s96t001634	7	5	1	960318	sub-s	NA	1.210					
s96t001634	7	5	2	960318	sub-s	NA	1.250					
s96t001635	7	5	2	960318	sub-s	NA	1.370					
s96t001635	7	5	1	960318	sub-s	NA	1.480					
					u105r7s5	37.3	1.33	2.118	1.572	0.123	-2.133	
s96t001636	7	6	2	960318	sub-s	19.53	NA					
s96t001636	7	6	1	960318	sub-s	21.38	NA					
s96t001636	7	6	2	960318	sub-s	NA	1.070					
s96t001636	7	6	1	960318	sub-s	NA	1.230					
					u105r7s6	20.5	1.15	1.446	1.311	0.061	-2.552	
s96t001709	7	7	1	960318	sub-s	28.33	NA					
s96t001708	7	7	1	960318	sub-s	29.77	NA					
s96t001708	7	7	2	960318	sub-s	29.83	NA					
s96t001709	7	7	2	960318	sub-s	31.33	NA					
s96t001709	7	7	1	960318	sub-s	NA	1.850					
s96t001709	7	7	2	960318	sub-s	NA	1.970					
s96t001708	7	7	2	960318	sub-s	NA	2.260					
s96t001708	7	7	1	960318	sub-s	NA	2.350					
					u105r7s7	29.8	2.11	3.003	1.474	0.324	-1.734	
s96t001738	7	9	2	960318	sub-s	20.47	NA					
s96t001738	7	9	1	960318	sub-s	21.40	NA					
s96t001738	7	9	2	960318	sub-s	NA	1.400					
s96t001738	7	9	1	960318	sub-s	NA	1.410					
s96t001739	7	9	2	960318	sub-s	22.22	NA					
s96t001739	7	9	1	960318	sub-s	22.54	NA					
s96t001763	7	9	1	960318	sub-s	24.18	NA					
s96t001763	7	9	2	960318	sub-s	28.27	NA					
s96t001739	7	9	2	960318	sub-s	NA	0.970					
s96t001739	7	9	1	960318	sub-s	NA	0.997					
s96t001763	7	9	1	960318	sub-s	NA	1.590					
s96t001763	7	9	2	960318	sub-s	NA	1.660					
					u105r7s9	23.2	1.34	1.742	1.365	0.126	-2.35	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t001232	2	1	1	del.qa	960229	surfa	95.47	NA

s96t001232	2	1	2	del.qa	960229	surfa	95.64	NA
s96t001234	2	1	2	del.qa	960229	surfa	96.36	NA
s96t001234	2	1	1	del.qa	960229	surfa	96.86	NA
rat-u105-3	na2	NA	1	del.dat	781204	surfa	NA	2.80
968	na3	NA	1	del.dat	771006	sub-s	NA	2.75
rat-u105-3	na3	NA	1	del.dat	781204	surfa	20.80	NA
rat-u105-3	na3	NA	1	del.dat	781204	surfa	NA	2.75
s97t002024	131	999	1	del.prs	980430	sub-s	2.35	NA
s97t002024	131	999	2	del.prs	980430	sub-s	2.56	NA
s97t002315	131	999	1	del.prs	980430	sub-s	23.64	NA
s97t002314	131	999	2	del.prs	980430	sub-s	24.09	NA
s97t002314	131	999	1	del.prs	980430	sub-s	24.54	NA
s97t002316	131	999	2	del.prs	980430	sub-s	26.18	NA
s97t002315	131	999	2	del.prs	980430	sub-s	27.48	NA
s97t002316	131	999	1	del.prs	980430	sub-s	28.45	NA
s97t002024	131	999	1	del.prs	980430	sub-s	NA	1.21
s97t002024	131	999	2	del.prs	980430	sub-s	NA	1.25
s97t002028	131	999	1	del.prs	980430	sub-s	NA	1.58
s97t002028	131	999	2	del.prs	980430	sub-s	NA	1.65
s97t002314	131	999	2	del.prs	980430	sub-s	NA	5.32
s97t002314	131	999	1	del.prs	980430	sub-s	NA	5.40
s97t002316	131	999	2	del.prs	980430	sub-s	NA	5.60
s97t002316	131	999	1	del.prs	980430	sub-s	NA	5.67
s98t000324	131	999	1	del.prs	980430	sub-s	NA	5.95
s98t000322	131	999	2	del.prs	980430	sub-s	NA	6.10
s98t000324	131	999	2	del.prs	980430	sub-s	NA	6.11
s98t000322	131	999	1	del.prs	980430	sub-s	NA	6.35
s97t002315	131	999	2	del.prs	980430	sub-s	NA	6.51
s97t002315	131	999	1	del.prs	980430	sub-s	NA	6.65
s98t000323	131	999	2	del.prs	980430	sub-s	NA	7.07
s98t000323	131	999	1	del.prs	980430	sub-s	NA	7.39

Summary for Tank u106

Tank Statistics

wet.waste.vol	=	798.6	dry.mu.top	=	-2.157
wet.vol.top	=	82.09	dry.mu.bot	=	-1.711
wet.vol.bot	=	716.5	dry.sterr.top	=	0.6008
dry.waste.vol	=	483.6	dry.sterr.bot	=	0.2448
dry.vol.top	=	47.08	dry.corr	=	0.311
dry.vol.bot	=	436.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	8
h2o.mu.top	=	-0.2965	toc.mu.top	=	-2.57
h2o.mu.bot	=	-0.444	toc.mu.bot	=	-2.281
h2o.sterr.top	=	0.4052	toc.sterr.top	=	0.6195
h2o.sterr.bot	=	0.1775	toc.sterr.bot	=	0.2286
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	8	toc.nobs	=	8
h2o.mu	=	-0.4241	toc.mu	=	-2.163
rw.h2o.mu	=	0.3747	rw.toc.mu	=	4.564
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0.00561	0.00875	0.0151	0.0259	0.0545	0.125	0.61	7.51
Dry	0.246	0.273	0.304	0.341	0.396	0.442	0.526	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t003063	19	1	2	960509	surfa	49.68	NA				
s96t003063	19	1	1	960509	surfa	49.88	NA				
s96t003063	19	1	2	960509	surfa	NA	2.585				
s96t003063	19	1	1	960509	surfa	NA	2.607				
s96t003063	19	1	2	960509	surfa	NA	3.523				
s96t003063	19	1	1	960509	surfa	NA	3.605				
					u106r19s1	NA	NA	NA	NA	NA	NA
s96t003065	19	2	1	960509	sub-s	40.85	NA				
s96t003065	19	2	2	960509	sub-s	42.63	NA				
s96t003064	19	2	1	960509	sub-s	47.59	NA				
s96t003064	19	2	2	960509	sub-s	48.20	NA				
s96t003064	19	2	1	960509	sub-s	NA	2.484				

s96t003064	19	2	2	960509	sub-s	NA	2.492				
s96t003065	19	2	1	960509	sub-s	NA	2.630				
s96t003065	19	2	2	960509	sub-s	NA	2.670				
s96t003064	19	2	2	960509	sub-s	NA	3.057				
s96t003064	19	2	1	960509	sub-s	NA	3.094				
					u106r19s2	41.7	2.65	4.549	1.621	0.423	-1.223
s96t003066	19	3	2	960509	sub-s	39.37	NA				
s96t003070	19	3	2	960509	sub-s	40.13	NA				
s96t003070	19	3	1	960509	sub-s	40.43	NA				
s96t003066	19	3	1	960509	sub-s	42.12	NA				
s96t003070	19	3	3	960509	sub-s	NA	1.210				
s96t003070	19	3	2	960509	sub-s	NA	1.500				
s96t003070	19	3	1	960509	sub-s	NA	1.920				
s96t003066	19	3	2	960509	sub-s	NA	2.610				
s96t003066	19	3	1	960509	sub-s	NA	2.650				
					u106r19s3	40.5	1.98	3.325	1.608	0.296	-1.612
s96t003068	19	4	1	960509	sub-s	41.77	NA				
s96t003068	19	4	2	960509	sub-s	41.96	NA				
s96t003067	19	4	2	960509	sub-s	44.21	NA				
s96t003067	19	4	1	960509	sub-s	46.39	NA				
s96t003068	19	4	1	960509	sub-s	NA	2.440				
s96t003067	19	4	2	960509	sub-s	NA	2.570				
s96t003068	19	4	2	960509	sub-s	NA	2.580				
s96t003067	19	4	1	960509	sub-s	NA	2.590				
					u106r19s4	43.6	2.54	4.511	1.639	0.406	-1.234
s96t003069	19	5	1	960509	sub-s	33.78	NA				
s96t003069	19	5	2	960509	sub-s	33.80	NA				
s96t003071	19	5	2	960509	sub-s	42.87	NA				
s96t003071	19	5	1	960509	sub-s	46.27	NA				
s96t003071	19	5	1	960509	sub-s	NA	0.870				
s96t003071	19	5	2	960509	sub-s	NA	0.939				
s96t003069	19	5	2	960509	sub-s	NA	1.460				
s96t003069	19	5	1	960509	sub-s	NA	1.630				
					u106r19s5	39.2	1.22	2.014	1.593	0.088	-2.19
s96t002860	2	1	2	960510	surfa	48.52	NA				
s96t002860	2	1	1	960510	surfa	49.10	NA				
s96t002860	2	1	1	960510	surfa	NA	2.418				
s96t002860	2	1	2	960510	surfa	NA	2.545				
s96t002860	2	1	2	960510	surfa	NA	2.960				
s96t002860	2	1	1	960510	surfa	NA	3.027				
					u106r2s1	NA	NA	NA	NA	NA	NA

s96t003010	2	2	2	960510	sub-s	40.33	NA					
s96t003011	2	2	2	960510	sub-s	42.19	NA					
s96t003011	2	2	1	960510	sub-s	42.20	NA					
s96t003010	2	2	1	960510	sub-s	43.80	NA					
s96t003051	2	2	2	960510	sub-s	47.68	NA					
s96t003051	2	2	1	960510	sub-s	48.11	NA					
s96t003010	2	2	2	960510	sub-s	NA	2.290					
s96t003010	2	2	1	960510	sub-s	NA	2.360					
s96t003011	2	2	2	960510	sub-s	NA	2.450					
s96t003051	2	2	2	960510	sub-s	NA	2.507					
s96t003051	2	2	1	960510	sub-s	NA	2.515					
s96t003011	2	2	1	960510	sub-s	NA	2.540					
s96t003051	2	2	2	960510	sub-s	NA	3.061					
s96t003051	2	2	1	960510	sub-s	NA	3.189					
					u106r2s2	42.1	2.41	4.165	1.625	0.382	-1.336	
s96t003012	2	3	2	960510	sub-s	43.77	NA					
s96t003012	2	3	1	960510	sub-s	44.78	NA					
s96t003013	2	3	1	960510	sub-s	46.92	NA					
s96t003013	2	3	2	960510	sub-s	47.63	NA					
s96t003012	2	3	2	960510	sub-s	NA	2.550					
s96t003013	2	3	2	960510	sub-s	NA	2.560					
s96t003012	2	3	1	960510	sub-s	NA	2.570					
s96t003013	2	3	1	960510	sub-s	NA	2.600					
					u106r2s3	45.8	2.57	4.74	1.661	0.41	-1.169	
s96t003014	2	4	2	960510	sub-s	43.77	NA					
s96t003015	2	4	2	960510	sub-s	43.88	NA					
s96t003015	2	4	1	960510	sub-s	45.08	NA					
s96t003014	2	4	1	960510	sub-s	46.51	NA					
s96t003014	2	4	1	960510	sub-s	NA	2.450					
s96t003015	2	4	2	960510	sub-s	NA	2.500					
s96t003015	2	4	1	960510	sub-s	NA	2.550					
s96t003014	2	4	2	960510	sub-s	NA	2.690					
					u106r2s4	44.8	2.55	4.616	1.651	0.406	-1.204	
s96t003017	2	5	2	960510	sub-s	16.36	NA					
s96t003017	2	5	1	960510	sub-s	16.83	NA					
s96t003016	2	5	1	960510	sub-s	25.20	NA					
s96t003016	2	5	2	960510	sub-s	28.49	NA					
s96t003017	2	5	1	960510	sub-s	NA	0.893					
s96t003017	2	5	2	960510	sub-s	NA	0.895					
s96t003016	2	5	2	960510	sub-s	NA	1.440					
s96t003016	2	5	1	960510	sub-s	NA	1.670					
					u106r2s5	21.7	1.22	1.564	1.337	0.088	-2.467	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
NA	na3	NA	1	del.qa	800101	super	61.91	NA
NA	na3	NA	1	del.qa	800101	super	NA	9.96
s97t002025	148	999	1	del.prs	980430	sub-s	5.02	NA
s97t002025	148	999	2	del.prs	980430	sub-s	6.79	NA
s97t002311	148	999	2	del.prs	980430	sub-s	9.66	NA
s97t002311	148	999	1	del.prs	980430	sub-s	9.87	NA
s97t002313	148	999	1	del.prs	980430	sub-s	10.15	NA
s97t002313	148	999	2	del.prs	980430	sub-s	10.51	NA
s98t002316	148	999	2	del.prs	980430	sub-s	10.86	NA
s98t002316	148	999	1	del.prs	980430	sub-s	17.04	NA
s98t000829	148	999	2	del.prs	980430	sub-s	18.72	NA
s97t002312	148	999	1	del.prs	980430	sub-s	20.36	NA
s98t000829	148	999	1	del.prs	980430	sub-s	20.77	NA
s97t002312	148	999	2	del.prs	980430	sub-s	21.56	NA
s97t002025	148	999	2	del.prs	980430	sub-s	NA	3.20
s97t002025	148	999	1	del.prs	980430	sub-s	NA	3.47
s97t002313	148	999	2	del.prs	980430	sub-s	NA	3.48
s97t002029	148	999	2	del.prs	980430	sub-s	NA	3.72
s98t002316	148	999	2	del.prs	980430	sub-s	NA	3.79
s97t002313	148	999	1	del.prs	980430	sub-s	NA	4.00
s98t002316	148	999	1	del.prs	980430	sub-s	NA	4.05
s97t002029	148	999	1	del.prs	980430	sub-s	NA	4.19
s98t000830	148	999	2	del.prs	980430	sub-s	NA	4.25
s98t000321	148	999	1	del.prs	980430	sub-s	NA	4.35
s98t000321	148	999	2	del.prs	980430	sub-s	NA	4.37
s98t000830	148	999	1	del.prs	980430	sub-s	NA	4.52
s97t002311	148	999	1	del.prs	980430	sub-s	NA	4.86
s97t002311	148	999	2	del.prs	980430	sub-s	NA	5.10
s98t000319	148	999	1	del.prs	980430	sub-s	NA	5.24
s98t000319	148	999	2	del.prs	980430	sub-s	NA	5.34
s97t002312	148	999	1	del.prs	980430	sub-s	NA	5.55
s97t002312	148	999	2	del.prs	980430	sub-s	NA	5.55
s98t000320	148	999	1	del.prs	980430	sub-s	NA	6.03
s98t000320	148	999	2	del.prs	980430	sub-s	NA	6.34

Summary for Tank u107

Tank Statistics

wet.waste.vol	=	1419	dry.mu.top	=	-4.115
wet.vol.top	=	82.09	dry.mu.bot	=	-4.319
wet.vol.bot	=	1337	dry.sterr.top	=	0.6046
dry.waste.vol	=	1136	dry.sterr.bot	=	0.2602
dry.vol.top	=	63.09	dry.corr	=	0.3286
dry.vol.bot	=	1073	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	7
h2o.mu.top	=	-1.2	toc.mu.top	=	-4.354
h2o.mu.bot	=	-1.401	toc.mu.bot	=	-4.611
h2o.sterr.top	=	0.2723	toc.sterr.top	=	0.6229
h2o.sterr.bot	=	0.1799	toc.sterr.bot	=	0.2433
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	9	toc.nobs	=	7
h2o.mu	=	-1.384	toc.mu	=	-4.655
rw.h2o.mu	=	0.04105	rw.toc.mu	=	4.507
h2o.grp	=	wet.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	7.79e-08	1.73e-07	4.12e-07	1.43e-06	7.71e-06	4.29e-05	0.000737	0.0335
Dry	1.77e-05	2.82e-05	4.62e-05	8.26e-05	0.000183	0.00035	0.00123	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t002140	2	1	2.0	960328	surfa	52.28	NA				
s96t002140	2	1	1.0	960328	surfa	52.73	NA				
s96t002131	2	1	1.0	960328	surfa	32.41	NA				
s96t002131	2	1	2.0	960328	surfa	37.23	NA				
s96t002140	2	1	1.0	960328	surfa	NA	0.226				
s96t002140	2	1	2.0	960328	surfa	NA	0.226				
s96t002132	2	1	2.1	960328	surfa	16.45	NA				
s96t002132	2	1	1.1	960328	surfa	18.55	NA				
s96t002141	2	1	2.1	960328	surfa	47.02	NA				
s96t002141	2	1	1.1	960328	surfa	47.03	NA				
s96t002141	2	1	1.0	960328	surfa	NA	0.221				
s96t002141	2	1	2.0	960328	surfa	NA	0.222				
					u107r2s1	26.2	NA	NA	1.418	NA	NA

s96t001867	2	2	2.0	960328	sub-s	49.74	NA				
s96t001867	2	2	1.0	960328	sub-s	49.90	NA				
s96t001874	2	2	1.0	960328	sub-s	0.73	NA				
s96t001874	2	2	2.0	960328	sub-s	0.92	NA				
s96t001873	2	2	2.0	960328	sub-s	4.15	NA				
s96t001873	2	2	1.0	960328	sub-s	4.67	NA				
s96t001873	2	2	3.0	960328	sub-s	NA	0.048				
s96t001873	2	2	2.0	960328	sub-s	NA	0.049				
s96t001873	2	2	1.0	960328	sub-s	NA	0.052				
s96t001874	2	2	1.0	960328	sub-s	NA	0.092				
					u107r2s2	18.4	*****	0.074	1.265	-1.221	-5.599
s96t001055	7	2	1.0	960226	sub-s	6.94	NA				
s96t001055	7	2	2.0	960226	sub-s	7.60	NA				
s96t001055	7	2	1.0	960226	sub-s	NA	0.064				
s96t001055	7	2	3.0	960226	sub-s	NA	0.084				
s96t001055	7	2	2.0	960226	sub-s	NA	0.090				
					u107r7s2	7.27	0.079	0.085	0.862	-1.102	-5.454
s96t001056	7	3	2.0	960226	sub-s	12.26	NA				
s96t001056	7	3	1.0	960226	sub-s	13.12	NA				
s96t001056	7	3	1.0	960226	sub-s	NA	0.189				
s96t001056	7	3	2.0	960226	sub-s	NA	0.192				
s96t001056	7	3	3.0	960226	sub-s	NA	0.213				
					u107r7s3	12.7	0.198	0.227	1.103	-0.703	-4.468
s96t001064	7	4	2.0	960226	sub-s	22.76	NA				
s96t001064	7	4	1.0	960226	sub-s	23.61	NA				
s96t001065	7	4	2.0	960226	sub-s	27.64	NA				
s96t001065	7	4	1.0	960226	sub-s	28.65	NA				
s96t001057	7	4	1.0	960226	sub-s	34.53	NA				
s96t001057	7	4	2.0	960226	sub-s	39.23	NA				
s96t001065	7	4	1.0	960226	sub-s	NA	0.305				
s96t001064	7	4	1.0	960226	sub-s	NA	0.367				
s96t001064	7	4	2.0	960226	sub-s	NA	0.368				
s96t001065	7	4	3.0	960226	sub-s	NA	0.390				
s96t001065	7	4	2.0	960226	sub-s	NA	0.422				
s96t001057	7	4	2.0	960226	sub-s	NA	0.512				
s96t001057	7	4	1.0	960226	sub-s	NA	0.521				
					u107r7s4	29.4	0.412	0.584	1.468	-0.385	-3.504
s96t001058	7	5	2.0	960226	sub-s	28.19	NA				
s96t001058	7	5	3.0	960226	sub-s	37.14	NA				
s96t001068	7	5	1.0	960226	sub-s	38.28	NA				
s96t001068	7	5	2.0	960226	sub-s	43.35	NA				

s96t001058	7	5	1.0	960226	sub-s	44.21	NA					
s96t001058	7	5	1.0	960226	sub-s	NA	0.511					
s96t001058	7	5	2.0	960226	sub-s	NA	0.519					
s96t001068	7	5	2.0	960226	sub-s	NA	0.856					
s96t001068	7	5	1.0	960226	sub-s	NA	0.952					
s96t001059	7	5	1.0	960226	sub-s	21.25	NA					
s96t001059	7	5	2.0	960226	sub-s	21.26	NA					
s96t001059	7	5	2.0	960226	sub-s	NA	0.187					
s96t001059	7	5	1.0	960226	sub-s	NA	0.193					
					u107r7s5	33.4	0.536	0.805	1.524	-0.271	-3.171	
s96t000665	9	1	1.0	960209	surfa	51.94	NA					
s96t000665	9	1	2.0	960209	surfa	54.51	NA					
s96t000683	9	1	1.0	960209	surfa	18.52	NA					
s96t000683	9	1	2.0	960209	surfa	19.37	NA					
s96t000665	9	1	1.0	960209	surfa	NA	0.224					
s96t000665	9	1	2.0	960209	surfa	NA	0.228					
					u107r9s1	18.9	NA	NA	1.277	NA	NA	
s96t000682	9	2	2.0	960209	sub-s	49.55	NA					
s96t000682	9	2	1.0	960209	sub-s	49.79	NA					
s96t003487	9	2	2.0	960209	sub-s	NA	0.336					
s96t003487	9	2	1.0	960209	sub-s	NA	0.340					
s96t000647	9	2	2.0	960209	sub-s	18.26	NA					
s96t000647	9	2	1.0	960209	sub-s	21.10	NA					
s96t000644	9	2	2.0	960209	sub-s	47.34	NA					
s96t000644	9	2	1.0	960209	sub-s	48.57	NA					
s96t000647	9	2	1.0	960209	sub-s	NA	0.186					
s96t000647	9	2	2.0	960209	sub-s	NA	0.197					
s96t000644	9	2	1.0	960209	sub-s	NA	0.487					
s96t000644	9	2	2.0	960209	sub-s	NA	0.501					
					u107r9s2	33.8	0.343	0.518	1.529	-0.465	-3.627	
s96t000653	9	3	1.0	960209	sub-s	16.78	NA					
s96t000653	9	3	2.0	960209	sub-s	17.43	NA					
s96t000650	9	3	1.0	960209	sub-s	22.19	NA					
s96t000650	9	3	2.0	960209	sub-s	26.84	NA					
s96t000650	9	3	2.0	960209	sub-s	NA	0.117					
s96t000650	9	3	1.0	960209	sub-s	NA	0.127					
s96t000653	9	3	1.0	960209	sub-s	NA	0.137					
s96t000653	9	3	2.0	960209	sub-s	NA	0.139					
s96t001143	9	3	1.0	960209	sub-s	4.96	NA					
s96t001143	9	3	2.0	960209	sub-s	6.36	NA					
s96t001143	9	3	3.0	960209	sub-s	7.87	NA					
s96t001143	9	3	2.0	960209	sub-s	NA	0.084					
s96t001143	9	3	1.0	960209	sub-s	NA	0.092					

u107r9s3 14.6 0.116 0.136 1.165 -0.935 -4.984

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t001866	2	2	2	del.lin	960328	sub-s	93.93	NA
s96t001866	2	2	1	del.lin	960328	sub-s	94.44	NA
s96t001866	2	2	1	del.lin	960328	sub-s	NA	0.083
s96t001866	2	2	2	del.lin	960328	sub-s	NA	0.099
s96t002142	2	2	2	del.qa	960328	sub-s	52.18	NA
s96t002142	2	2	1	del.qa	960328	sub-s	52.45	NA
s96t002142	2	2	2	del.qa	960328	sub-s	NA	0.303
s96t002142	2	2	1	del.qa	960328	sub-s	NA	0.324
s96t002034	7	5	2	del.lin	960226	sub-s	98.14	NA
s96t002034	7	5	1	del.lin	960226	sub-s	98.17	NA
s96t001120	7	6	2	del.lin	960226	sub-s	89.10	NA
s96t001120	7	6	1	del.lin	960226	sub-s	89.27	NA
s96t001070	7	6	2	del.lin	960226	sub-s	91.02	NA
s96t001070	7	6	1	del.lin	960226	sub-s	91.44	NA
s96t001121	7	6	1	del.lin	960226	sub-s	91.70	NA
s96t001121	7	6	2	del.lin	960226	sub-s	92.22	NA
s96t001121	7	6	1	del.lin	960226	sub-s	NA	0.098
s96t001121	7	6	2	del.lin	960226	sub-s	NA	0.108
s96t001070	7	6	1	del.lin	960226	sub-s	NA	0.121
s96t001070	7	6	2	del.lin	960226	sub-s	NA	0.124
s96t001120	7	6	3	del.lin	960226	sub-s	NA	0.139
s96t001120	7	6	2	del.lin	960226	sub-s	NA	0.163
s96t001120	7	6	1	del.lin	960226	sub-s	NA	0.189
s96t002133	2	2	2	del.qa	960328	sub-s	15.46	NA
s96t002133	2	2	1	del.qa	960328	sub-s	16.38	NA
s96t002133	2	2	2	del.qa	960328	sub-s	NA	0.115
s96t002133	2	2	1	del.qa	960328	sub-s	NA	0.121
s96t001119	7	5	1	del.qa	960226	sub-s	51.01	NA
s96t001119	7	5	2	del.qa	960226	sub-s	51.14	NA
s96t001119	7	5	1	del.qa	960226	sub-s	NA	0.257
s96t001119	7	5	2	del.qa	960226	sub-s	NA	0.260
s96t002034	7	5	1	del.lin	960226	sub-s	NA	0.051
s96t002034	7	5	2	del.lin	960226	sub-s	NA	0.053

Summary for Tank u108

Tank Statistics

wet.waste.vol	=	1681	dry.mu.top	=	-3.308
wet.vol.top	=	82.09	dry.mu.bot	=	-3.477
wet.vol.bot	=	1598	dry.sterr.top	=	0.3836
dry.waste.vol	=	1110	dry.sterr.bot	=	0.1436
dry.vol.top	=	49.33	dry.corr	=	0.1276
dry.vol.bot	=	1061	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	26
h2o.mu.top	=	-0.4093	toc.mu.top	=	-3.765
h2o.mu.bot	=	-0.6803	toc.mu.bot	=	-3.918
h2o.sterr.top	=	0.2647	toc.sterr.top	=	0.3718
h2o.sterr.bot	=	0.1025	toc.sterr.bot	=	0.1335
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	26	toc.nobs	=	26
h2o.mu	=	-0.6562	toc.mu	=	-3.893
rw.h2o.mu	=	0.2176	rw.toc.mu	=	4.537
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.82e-07	2.95e-07	5.08e-07	9.02e-07	1.91e-06	4.94e-06	2.64e-05	0.000561
Dry	0.0011	0.00132	0.00161	0.002	0.00268	0.00339	0.00501	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t003121	2	1	2	960430	surfa	37.70	NA				
s96t003121	2	1	1	960430	surfa	41.79	NA				
s96t003121	2	1	1	960430	surfa	NA	0.392				
s96t003121	2	1	2	960430	surfa	NA	0.400				
					u108r2s1	39.7	0.396	0.657	1.599	-0.402	-3.382
s96t003124	2	2	1	960430	sub-s	9.59	NA				
s96t003124	2	2	2	960430	sub-s	14.94	NA				
s96t003123	2	2	2	960430	sub-s	23.66	NA				
s96t003123	2	2	1	960430	sub-s	29.51	NA				
s96t003124	2	2	2	960430	sub-s	NA	0.171				
s96t003124	2	2	1	960430	sub-s	NA	0.178				
s96t003123	2	2	2	960430	sub-s	NA	0.279				

s96t003123	2	2	1	960430	sub-s	NA	0.282				
					u108r2s2	19.4	0.228	0.282	1.288	-0.643	-4.246
s96t003126	2	3	1	960430	sub-s	19.20	NA				
s96t003126	2	3	2	960430	sub-s	21.63	NA				
s96t003125	2	3	1	960430	sub-s	29.49	NA				
s96t003125	2	3	2	960430	sub-s	41.56	NA				
s96t003126	2	3	3	960430	sub-s	NA	0.214				
s96t003126	2	3	1	960430	sub-s	NA	0.225				
s96t003125	2	3	3	960430	sub-s	NA	0.260				
s96t003126	2	3	2	960430	sub-s	NA	0.263				
s96t003125	2	3	2	960430	sub-s	NA	0.274				
s96t003125	2	3	1	960430	sub-s	NA	0.296				
s96t002959	2	3	1	960430	sub-s	17.24	NA				
s96t002959	2	3	2	960430	sub-s	23.12	NA				
s96t002959	2	3	1	960430	sub-s	NA	0.262				
s96t002959	2	3	2	960430	sub-s	NA	0.273				
s96t002959	2	3	3	960430	sub-s	NA	0.393				
					u108r2s3	25.4	0.273	0.366	1.404	-0.563	-3.982
s96t002960	2	4	2	960430	sub-s	17.21	NA				
s96t002960	2	4	1	960430	sub-s	17.89	NA				
s96t002961	2	4	2	960430	sub-s	40.32	NA				
s96t002961	2	4	1	960430	sub-s	41.34	NA				
s96t002960	2	4	2	960430	sub-s	NA	0.260				
s96t002960	2	4	1	960430	sub-s	NA	0.264				
s96t002961	2	4	2	960430	sub-s	NA	0.415				
s96t002961	2	4	1	960430	sub-s	NA	0.427				
					u108r2s4	29.2	0.342	0.482	1.465	-0.467	-3.701
s96t002963	2	5	2	960430	sub-s	31.17	NA				
s96t002962	2	5	2	960430	sub-s	36.72	NA				
s96t002963	2	5	1	960430	sub-s	38.38	NA				
s96t002962	2	5	1	960430	sub-s	41.13	NA				
s96t002963	2	5	2	960430	sub-s	NA	0.385				
s96t002963	2	5	1	960430	sub-s	NA	0.433				
s96t002962	2	5	1	960430	sub-s	NA	0.465				
s96t002962	2	5	2	960430	sub-s	NA	0.508				
					u108r2s5	36.9	0.448	0.709	1.566	-0.349	-3.304
s96t002964	2	6	1	960430	sub-s	29.48	NA				
s96t002964	2	6	2	960430	sub-s	35.35	NA				
s96t002965	2	6	1	960430	sub-s	44.30	NA				
s96t002965	2	6	2	960430	sub-s	45.61	NA				
s96t002964	2	6	1	960430	sub-s	NA	0.418				
s96t002964	2	6	2	960430	sub-s	NA	0.422				

```
s96t002965    2    6    1 960430 sub-s    NA 0.443
s96t002965    2    6    2 960430 sub-s    NA 0.444
                              u108r2s6  38.7 0.432  0.704  1.588 -0.365 -3.311

s96t002966    2    7    2 960430 sub-s 33.30    NA
s96t002966    2    7    1 960430 sub-s 33.55    NA
s96t002967    2    7    2 960430 sub-s 40.96    NA
s96t002967    2    7    1 960430 sub-s 41.14    NA
s96t002966    2    7    1 960430 sub-s    NA 0.496
s96t002966    2    7    2 960430 sub-s    NA 0.575
s96t002967    2    7    2 960430 sub-s    NA 0.631
s96t002967    2    7    1 960430 sub-s    NA 0.743
                              u108r2s7  37.2 0.611  0.974  1.571 -0.214 -2.972

s96t003128    2    8    2 960430 sub-s 40.07    NA
s96t003128    2    8    1 960430 sub-s 40.39    NA
s96t003127    2    8    1 960430 sub-s 41.25    NA
s96t003127    2    8    2 960430 sub-s 41.28    NA
s96t003128    2    8    2 960430 sub-s    NA 0.323
s96t003128    2    8    1 960430 sub-s    NA 0.335
s96t003127    2    8    3 960430 sub-s    NA 0.520
s96t003127    2    8    2 960430 sub-s    NA 0.598
s96t003127    2    8    1 960430 sub-s    NA 0.601
                              u108r2s8  40.7 0.475  0.802   1.61 -0.323 -3.175

s96t003129    2    9    2 960430 sub-s 38.46    NA
s96t003129    2    9    1 960430 sub-s 38.62    NA
s96t004178    2    9    2 960430 sub-s 47.83    NA
s96t004178    2    9    1 960430 sub-s 48.59    NA
s96t004178    2    9    2 960430 sub-s    NA 0.518
s96t004178    2    9    1 960430 sub-s    NA 0.554
s96t003129    2    9    1 960430 sub-s    NA 1.110
s96t003129    2    9    2 960430 sub-s    NA 1.120
                              u108r2s9  43.4 0.826  1.458  1.637 -0.083 -2.543

s96t002241    7    1    2 960423 surfa 45.08    NA
s96t002241    7    1    1 960423 surfa 45.92    NA
s96t002282    7    1    2 960423 surfa 47.33    NA
s96t002282    7    1    1 960423 surfa 51.08    NA
s96t002282    7    1    1 960423 surfa    NA 0.490
s96t002282    7    1    2 960423 surfa    NA 0.498
s96t002241    7    1    1 960423 surfa    NA 0.600
s96t002241    7    1    2 960423 surfa    NA 0.656
                              u108r7s1  45.5 0.628  1.152  1.658 -0.202 -2.795

s96t002242    7    2    1 960423 sub-s 23.05    NA
```

s96t002242	7	2	2	960423	sub-s	24.43	NA				
s96t002242	7	2	2	960423	sub-s	NA	0.306				
s96t002242	7	2	1	960423	sub-s	NA	0.347				
					u108r7s2	23.7	0.326	0.428	1.375	-0.486	-3.822
s96t002243	7	3	2	960423	sub-s	26.98	NA				
s96t002243	7	3	1	960423	sub-s	33.54	NA				
s96t002243	7	3	1	960423	sub-s	NA	0.266				
s96t002243	7	3	2	960423	sub-s	NA	0.268				
s96t002244	7	3	1	960423	sub-s	19.44	NA				
s96t002244	7	3	2	960423	sub-s	32.04	NA				
s96t002244	7	3	2	960423	sub-s	NA	0.295				
s96t002244	7	3	1	960423	sub-s	NA	0.298				
					u108r7s3	28	0.282	0.391	1.447	-0.55	-3.914
s96t002246	7	4	1	960423	sub-s	28.59	NA				
s96t002246	7	4	2	960423	sub-s	31.19	NA				
s96t002245	7	4	2	960423	sub-s	32.57	NA				
s96t002245	7	4	1	960423	sub-s	33.04	NA				
s96t002245	7	4	1	960423	sub-s	NA	0.275				
s96t002245	7	4	2	960423	sub-s	NA	0.443				
s96t002245	7	4	3	960423	sub-s	NA	0.460				
s96t002246	7	4	2	960423	sub-s	NA	0.475				
s96t002246	7	4	1	960423	sub-s	NA	0.495				
s96t002248	7	4	2	960423	sub-s	38.73	NA				
s96t002248	7	4	1	960423	sub-s	39.46	NA				
s96t002248	7	4	1	960423	sub-s	NA	0.435				
s96t002248	7	4	2	960423	sub-s	NA	0.457				
					u108r7s4	33.9	0.434	0.657	1.531	-0.362	-3.382
s96t002585	7	5	1	960423	sub-s	24.85	NA				
s96t002586	7	5	1	960423	sub-s	28.40	NA				
s96t002585	7	5	2	960423	sub-s	29.17	NA				
s96t002586	7	5	2	960423	sub-s	35.74	NA				
s96t002586	7	5	2	960423	sub-s	NA	0.383				
s96t002586	7	5	1	960423	sub-s	NA	0.385				
s96t002585	7	5	1	960423	sub-s	NA	0.438				
s96t002585	7	5	2	960423	sub-s	NA	0.490				
					u108r7s5	29.5	0.424	0.602	1.47	-0.373	-3.473
s96t002588	7	6	2	960423	sub-s	15.68	NA				
s96t002588	7	6	1	960423	sub-s	21.21	NA				
s96t002587	7	6	2	960423	sub-s	21.32	NA				
s96t002587	7	6	1	960423	sub-s	23.06	NA				
s96t002588	7	6	2	960423	sub-s	NA	0.260				
s96t002588	7	6	1	960423	sub-s	NA	0.303				

s96t002587	7	6	2	960423	sub-s	NA	0.328					
s96t002587	7	6	1	960423	sub-s	NA	0.338					
					u108r7s6	20.3	0.307	0.386	1.308	-0.513	-3.929	
s96t002589	7	7	2	960423	sub-s	38.20	NA					
s96t002589	7	7	1	960423	sub-s	39.52	NA					
s96t002590	7	7	2	960423	sub-s	40.15	NA					
s96t002590	7	7	1	960423	sub-s	40.30	NA					
s96t002590	7	7	1	960423	sub-s	NA	0.526					
s96t002590	7	7	2	960423	sub-s	NA	0.527					
s96t002589	7	7	2	960423	sub-s	NA	0.608					
s96t002589	7	7	1	960423	sub-s	NA	0.655					
					u108r7s7	39.5	0.579	0.958	1.597	-0.237	-2.99	
s96t002592	7	8	2	960423	sub-s	37.90	NA					
s96t002591	7	8	1	960423	sub-s	38.04	NA					
s96t002592	7	8	1	960423	sub-s	41.31	NA					
s96t002591	7	8	3	960423	sub-s	42.04	NA					
s96t002591	7	8	2	960423	sub-s	42.06	NA					
s96t002592	7	8	2	960423	sub-s	NA	0.366					
s96t002592	7	8	3	960423	sub-s	NA	0.438					
s96t002591	7	8	1	960423	sub-s	NA	0.548					
s96t002592	7	8	1	960423	sub-s	NA	0.565					
s96t002591	7	8	2	960423	sub-s	NA	0.617					
					u108r7s8	40.3	0.507	0.848	1.605	-0.295	-3.117	
s96t002593	7	9	1	960423	sub-s	30.76	NA					
s96t002593	7	9	2	960423	sub-s	33.88	NA					
s96t002593	7	9	1	960423	sub-s	NA	0.229					
s96t002593	7	9	2	960423	sub-s	NA	0.263					
					u108r7s9	32.3	0.246	0.363	1.509	-0.609	-3.989	
s96t002942	9	1	1	960426	surfa	49.25	NA					
s96t002942	9	1	2	960426	surfa	49.66	NA					
s96t002942	9	1	1	960426	surfa	NA	0.504					
s96t002942	9	1	2	960426	surfa	NA	0.508					
					u108r9s1	NA	NA	NA	NA	NA	NA	
s96t002893	9	2	2	960426	sub-s	31.90	NA					
s96t002893	9	2	1	960426	sub-s	34.42	NA					
s96t002893	9	2	1	960426	sub-s	NA	0.261					
s96t002893	9	2	2	960426	sub-s	NA	0.276					
					u108r9s2	33.2	0.268	0.402	1.521	-0.571	-3.887	
s96t002880	9	3	1	960426	sub-s	45.56	NA					
s96t002880	9	3	2	960426	sub-s	45.98	NA					

s96t002880	9	3	2	960426	sub-s		NA	0.306				
s96t002880	9	3	1	960426	sub-s		NA	0.346				
					u108r9s3	45.8	0.326		0.601	1.661	-0.487	-3.474
s96t002882	9	4	2	960426	sub-s	25.56		NA				
s96t002882	9	4	1	960426	sub-s	25.88		NA				
s96t002881	9	4	2	960426	sub-s	39.96		NA				
s96t002881	9	4	1	960426	sub-s	41.97		NA				
s96t002881	9	4	1	960426	sub-s		NA	0.292				
s96t002881	9	4	2	960426	sub-s		NA	0.295				
s96t002882	9	4	2	960426	sub-s		NA	0.386				
s96t002882	9	4	1	960426	sub-s		NA	0.387				
					u108r9s4	33.3	0.34		0.51	1.523	-0.469	-3.643
s96t002883	9	5	2	960426	sub-s	17.30		NA				
s96t002883	9	5	1	960426	sub-s	18.15		NA				
s96t002884	9	5	1	960426	sub-s	28.41		NA				
s96t002884	9	5	2	960426	sub-s	33.46		NA				
s96t002883	9	5	2	960426	sub-s		NA	0.370				
s96t002883	9	5	1	960426	sub-s		NA	0.372				
s96t002884	9	5	2	960426	sub-s		NA	0.553				
s96t002884	9	5	1	960426	sub-s		NA	0.558				
					u108r9s5	24.3	0.463		0.612	1.386	-0.334	-3.455
s96t002885	9	6	2	960426	sub-s	27.50		NA				
s96t002885	9	6	1	960426	sub-s	28.67		NA				
s96t002886	9	6	1	960426	sub-s	29.39		NA				
s96t002886	9	6	2	960426	sub-s	38.89		NA				
s96t002886	9	6	1	960426	sub-s		NA	0.398				
s96t002886	9	6	2	960426	sub-s		NA	0.423				
s96t002885	9	6	1	960426	sub-s		NA	0.485				
s96t002885	9	6	2	960426	sub-s		NA	0.492				
					u108r9s6	31.1	0.45		0.653	1.493	-0.347	-3.389
s96t002888	9	7	2	960426	sub-s	42.24		NA				
s96t002888	9	7	1	960426	sub-s	42.33		NA				
s96t002887	9	7	2	960426	sub-s	42.45		NA				
s96t002887	9	7	1	960426	sub-s	45.85		NA				
s96t002887	9	7	1	960426	sub-s		NA	0.450				
s96t002887	9	7	2	960426	sub-s		NA	0.471				
s96t002888	9	7	1	960426	sub-s		NA	0.524				
s96t002888	9	7	2	960426	sub-s		NA	0.536				
					u108r9s7	43.2	0.495		0.872	1.636	-0.305	-3.088
s96t002890	9	8	2	960426	sub-s	40.04		NA				
s96t002890	9	8	1	960426	sub-s	41.17		NA				

s96t002889	9	8	1	960426	sub-s	41.50	NA					
s96t002889	9	8	2	960426	sub-s	42.92	NA					
s96t002889	9	8	2	960426	sub-s	NA	0.288					
s96t002889	9	8	1	960426	sub-s	NA	0.290					
s96t002890	9	8	1	960426	sub-s	NA	0.453					
s96t002890	9	8	2	960426	sub-s	NA	0.465					
					u108r9s8	41.4	0.374	0.638	1.617	-0.427	-3.412	
s96t002891	9	9	2	960426	sub-s	38.34	NA					
s96t002891	9	9	1	960426	sub-s	40.10	NA					
s96t002892	9	9	1	960426	sub-s	48.86	NA					
s96t002892	9	9	2	960426	sub-s	49.67	NA					
s96t002892	9	9	1	960426	sub-s	NA	0.273					
s96t002892	9	9	2	960426	sub-s	NA	0.286					
s96t002891	9	9	2	960426	sub-s	NA	0.509					
s96t002891	9	9	1	960426	sub-s	NA	0.535					
					u108r9s9	44.2	0.401	0.719	1.646	-0.397	-3.289	

Unused Data Records

lab.id	ris	seg	repl	status	date	layer	h2o	toc
s96t003163	2	1	2	del.qa	960430	surfa	51.11	NA
s96t003163	2	1	1	del.qa	960430	surfa	51.15	NA
s96t003163	2	1	2	del.qa	960430	surfa	NA	0.504
s96t003163	2	1	1	del.qa	960430	surfa	NA	0.523
s96t002247	7	4	1	del.qa	960423	sub-s	0.99	NA
s96t002247	7	4	2	del.qa	960423	sub-s	44.42	NA
s96t002247	7	4	3	del.qa	960423	sub-s	44.53	NA
s96t002247	7	4	1	del.qa	960423	sub-s	NA	0.444
s96t002247	7	4	2	del.qa	960423	sub-s	NA	0.456
s95t000978	7	1	1	del.sup	960531	super	50.20	NA
s95t000978	7	1	2	del.sup	960531	super	50.35	NA
s95t000978	7	1	2	del.sup	960531	super	NA	0.532
s95t000978	7	1	1	del.sup	960531	super	NA	0.539
s96t002879	9	3	3	del.qa	960426	sub-s	39.27	NA
s96t002879	9	3	2	del.qa	960426	sub-s	47.71	NA
s96t002879	9	3	1	del.qa	960426	sub-s	69.61	NA
s96t002879	9	3	2	del.qa	960426	sub-s	NA	0.317
s96t002879	9	3	1	del.qa	960426	sub-s	NA	0.319

Summary for Tank u109

Tank Statistics

wet.waste.vol	=	1681	dry.mu.top	=	-3.739
wet.vol.top	=	82.09	dry.mu.bot	=	-3.785
wet.vol.bot	=	1598	dry.sterr.top	=	0.3836
dry.waste.vol	=	1293	dry.sterr.bot	=	0.1436
dry.vol.top	=	60.54	dry.corr	=	0.1276
dry.vol.bot	=	1232	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	26
h2o.mu.top	=	-1.033	toc.mu.top	=	-4.009
h2o.mu.bot	=	-1.213	toc.mu.bot	=	-4.09
h2o.sterr.top	=	0.2647	toc.sterr.top	=	0.3718
h2o.sterr.bot	=	0.1025	toc.sterr.bot	=	0.1335
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	26	toc.nobs	=	26
h2o.mu	=	-1.205	toc.mu	=	-4.076
rw.h2o.mu	=	0.06283	rw.toc.mu	=	4.511
h2o.grp	=	wet.saltcake	toc.grp	=	m

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.48e-06	2.3e-06	3.61e-06	6.38e-06	1.45e-05	3.18e-05	0.0001	0.00139
Dry	0.000231	0.000287	0.000359	0.000465	0.000655	0.00086	0.00139	0.463

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s96t000298	19	2	1	960104	sub-s	15.85	NA				
s96t000298	19	2	2	960104	sub-s	19.64	NA				
s96t000298	19	2	1	960104	sub-s	NA	0.129				
s96t000298	19	2	2	960104	sub-s	NA	0.168				
					u109r19s2	17.7	0.148	0.181	1.249	-0.828	-4.698
s96t000299	19	3	2	960104	sub-s	41.08	NA				
s96t000299	19	3	1	960104	sub-s	42.89	NA				
s96t000280	19	3	2	960104	sub-s	53.03	NA				
s96t000280	19	3	1	960104	sub-s	53.37	NA				
s96t000280	19	3	1	960104	sub-s	NA	0.166				
s96t000280	19	3	2	960104	sub-s	NA	0.169				
s96t000299	19	3	2	960104	sub-s	NA	0.228				

```
s96t000299   19    3    1 960104 sub-s    NA 0.264
                        u109r19s3    42 0.246  0.424  1.623 -0.609 -3.832

s96t000300   19    4    2 960104 sub-s 10.33    NA
s96t000300   19    4    1 960104 sub-s 11.69    NA
s96t000300   19    4    1 960104 sub-s    NA 0.155
s96t000300   19    4    2 960104 sub-s    NA 0.217
                        u109r19s4    11 0.186  0.209  1.042  -0.73 -4.551

s96t000302   19    5    1 960104 sub-s 19.66    NA
s96t000301   19    5    1 960104 sub-s 20.73    NA
s96t000302   19    5    2 960104 sub-s 23.16    NA
s96t000301   19    5    2 960104 sub-s 24.35    NA
s96t000301   19    5    1 960104 sub-s    NA 0.390
s96t000301   19    5    2 960104 sub-s    NA 0.411
s96t000302   19    5    2 960104 sub-s    NA 0.455
s96t000302   19    5    1 960104 sub-s    NA 0.460
                        u109r19s5    22 0.429   0.55  1.342 -0.368 -3.566

s96t000303   19    6    2 960104 sub-s 26.65    NA
s96t000303   19    6    1 960104 sub-s 30.97    NA
s96t000304   19    6    2 960104 sub-s 35.57    NA
s96t000304   19    6    1 960104 sub-s 36.39    NA
s96t000303   19    6    2 960104 sub-s    NA 0.543
s96t000303   19    6    1 960104 sub-s    NA 0.590
s96t000304   19    6    1 960104 sub-s    NA 0.607
s96t000304   19    6    2 960104 sub-s    NA 0.627
                        u109r19s6  32.4 0.592  0.875   1.51 -0.228 -3.084

s96t000305   19    7    1 960104 sub-s 15.78    NA
s96t000305   19    7    2 960104 sub-s 15.98    NA
s96t000306   19    7    1 960104 sub-s 17.25    NA
s96t000306   19    7    2 960104 sub-s 20.84    NA
s96t000306   19    7    1 960104 sub-s    NA 0.234
s96t000305   19    7    2 960104 sub-s    NA 0.271
s96t000306   19    7    2 960104 sub-s    NA 0.296
s96t000305   19    7    3 960104 sub-s    NA 0.359
s96t000305   19    7    1 960104 sub-s    NA 0.379
                        u109r19s7  17.5 0.308  0.373  1.242 -0.512 -3.963

s96t000308   19    8    2 960104 sub-s 33.06    NA
s96t000307   19    8    2 960104 sub-s 34.01    NA
s96t000308   19    8    1 960104 sub-s 34.90    NA
s96t000307   19    8    1 960104 sub-s 35.18    NA
s96t000307   19    8    1 960104 sub-s    NA 0.401
s96t000307   19    8    2 960104 sub-s    NA 0.417
```

s96t000308	19	8	2	960104	sub-s	NA	0.544					
s96t000308	19	8	1	960104	sub-s	NA	0.574					
					u109r19s8	34.3	0.484	0.737	1.535	-0.315	-3.264	
s96t000309	19	9	2	960104	sub-s	34.41	NA					
s96t000309	19	9	1	960104	sub-s	35.87	NA					
s96t000310	19	9	2	960104	sub-s	39.73	NA					
s96t000310	19	9	1	960104	sub-s	44.54	NA					
s96t000310	19	9	3	960104	sub-s	45.62	NA					
s96t000309	19	9	1	960104	sub-s	NA	0.457					
s96t000310	19	9	2	960104	sub-s	NA	0.493					
s96t000310	19	9	3	960104	sub-s	NA	0.493					
s96t000309	19	9	2	960104	sub-s	NA	0.547					
s96t000310	19	9	1	960104	sub-s	NA	0.607					
					u109r19s9	40	0.519	0.866	1.602	-0.284	-3.095	
s96t000177	2	1	2	951228	surfa	20.56	NA					
s96t000177	2	1	1	951228	surfa	21.76	NA					
s96t000177	2	1	2	951228	surfa	NA	0.263					
s96t000177	2	1	1	951228	surfa	NA	0.275					
					u109r2s1	21.2	0.269	0.341	1.326	-0.57	-4.054	
s96t000178	2	2	2	951228	sub-s	15.78	NA					
s96t000178	2	2	1	951228	sub-s	17.33	NA					
s96t000178	2	2	1	951228	sub-s	NA	0.222					
s96t000178	2	2	2	951228	sub-s	NA	0.248					
					u109r2s2	16.6	0.235	0.282	1.219	-0.629	-4.249	
s96t000179	2	3	1	951228	sub-s	6.00	NA					
s96t000179	2	3	2	951228	sub-s	6.76	NA					
s96t000179	2	3	1	951228	sub-s	NA	0.130					
s96t000179	2	3	2	951228	sub-s	NA	0.131					
s96t000180	2	3	2	951228	sub-s	8.35	NA					
s96t000180	2	3	1	951228	sub-s	8.62	NA					
s96t000180	2	3	1	951228	sub-s	NA	0.109					
s96t000180	2	3	2	951228	sub-s	NA	0.117					
					u109r2s3	7.43	0.122	0.132	0.871	-0.915	-5.018	
s96t000181	2	4	1	951228	sub-s	8.43	NA					
s96t000181	2	4	2	951228	sub-s	9.43	NA					
s96t000181	2	4	1	951228	sub-s	NA	0.200					
s96t000181	2	4	2	951228	sub-s	NA	0.204					
					u109r2s4	8.93	0.202	0.222	0.951	-0.695	-4.491	
s96t000182	2	5	1	951228	sub-s	10.79	NA					
s96t000182	2	5	2	951228	sub-s	13.06	NA					

s96t000182	2	5	2	951228	sub-s		NA	0.233				
s96t000182	2	5	1	951228	sub-s		NA	0.262				
						u109r2s5	11.9	0.248	0.281	1.076	-0.606	-4.251
s96t000183	2	6	1	951228	sub-s	23.63		NA				
s96t000183	2	6	2	951228	sub-s	23.69		NA				
s96t000184	2	6	2	951228	sub-s	26.55		NA				
s96t000184	2	6	1	951228	sub-s	37.41		NA				
s96t000184	2	6	1	951228	sub-s		NA	0.408				
s96t000184	2	6	2	951228	sub-s		NA	0.421				
s96t000183	2	6	1	951228	sub-s		NA	0.469				
s96t000183	2	6	2	951228	sub-s		NA	0.483				
						u109r2s6	27.8	0.445	0.617	1.444	-0.351	-3.448
s96t000186	2	7	1	951228	sub-s	15.24		NA				
s96t000185	2	7	2	951228	sub-s	19.21		NA				
s96t000185	2	7	1	951228	sub-s	19.84		NA				
s96t000186	2	7	2	951228	sub-s	20.01		NA				
s96t000186	2	7	2	951228	sub-s		NA	0.259				
s96t000186	2	7	1	951228	sub-s		NA	0.314				
s96t000185	2	7	1	951228	sub-s		NA	0.364				
s96t000185	2	7	2	951228	sub-s		NA	0.417				
						u109r2s7	18.6	0.338	0.416	1.269	-0.47	-3.852
s96t000188	2	8	1	951228	sub-s	17.54		NA				
s96t000188	2	8	2	951228	sub-s	20.29		NA				
s96t000187	2	8	1	951228	sub-s	22.27		NA				
s96t000187	2	8	2	951228	sub-s	24.96		NA				
s96t000187	2	8	1	951228	sub-s		NA	0.344				
s96t000188	2	8	1	951228	sub-s		NA	0.360				
s96t000188	2	8	3	951228	sub-s		NA	0.365				
s96t000187	2	8	2	951228	sub-s		NA	0.391				
s96t000188	2	8	2	951228	sub-s		NA	0.435				
						u109r2s8	21.3	0.379	0.481	1.328	-0.421	-3.703
s96t000191	2	9	2	951228	sub-s	16.80		NA				
s96t000191	2	9	1	951228	sub-s	17.38		NA				
s96t000190	2	9	1	951228	sub-s	17.91		NA				
s96t000190	2	9	2	951228	sub-s	23.86		NA				
s96t000189	2	9	1	951228	sub-s	37.02		NA				
s96t000189	2	9	2	951228	sub-s	38.33		NA				
s96t000191	2	9	2	951228	sub-s		NA	0.205				
s96t000191	2	9	1	951228	sub-s		NA	0.206				
s96t000190	2	9	2	951228	sub-s		NA	0.282				
s96t000190	2	9	1	951228	sub-s		NA	0.340				
s96t000189	2	9	2	951228	sub-s		NA	0.925				

```
s96t000189   2     9    1 951228 sub-s    NA 0.989
                        u109r2s9  25.2 0.491  0.657  1.402 -0.309 -3.383

s96t000423   7     1    3 960119 surfa 27.24    NA
s96t000423   7     1    1 960119 surfa 31.04    NA
s96t000423   7     1    2 960119 surfa 31.75    NA
s96t000423   7     1    2 960119 surfa    NA 0.487
s96t000423   7     1    1 960119 surfa    NA 0.505
                        u109r7s1    30 0.496  0.709  1.477 -0.305 -3.304

s96t000424   7     2    2 960119 sub-s 15.14    NA
s96t000424   7     2    3 960119 sub-s 18.33    NA
s96t000424   7     2    1 960119 sub-s 25.60    NA
s96t000424   7     2    1 960119 sub-s    NA 0.251
s96t000424   7     2    2 960119 sub-s    NA 0.267
                        u109r7s2  19.7 0.259  0.323  1.294 -0.587 -4.111

s96t000425   7     3    2 960119 sub-s 12.93    NA
s96t000425   7     3    1 960119 sub-s 15.21    NA
s96t000425   7     3    2 960119 sub-s    NA 0.266
s96t000425   7     3    1 960119 sub-s    NA 0.271
                        u109r7s3  14.1 0.268  0.312  1.148 -0.571 -4.143

s96t000426   7     4    2 960119 sub-s 17.67    NA
s96t000426   7     4    1 960119 sub-s 19.72    NA
s96t000427   7     4    2 960119 sub-s 45.55    NA
s96t000427   7     4    1 960119 sub-s 47.87    NA
s96t000426   7     4    2 960119 sub-s    NA 0.261
s96t000426   7     4    1 960119 sub-s    NA 0.268
s96t000427   7     4    2 960119 sub-s    NA 0.590
s96t000427   7     4    1 960119 sub-s    NA 0.682
                        u109r7s4  32.7  0.45  0.669  1.515 -0.347 -3.364

s96t000428   7     5    2 960119 sub-s 34.06    NA
s96t000428   7     5    1 960119 sub-s 35.97    NA
s96t000428   7     5    1 960119 sub-s    NA 0.427
s96t000428   7     5    2 960119 sub-s    NA 0.446
                        u109r7s5    35 0.436  0.672  1.544  -0.36  -3.36

s96t000430   7     6    1 960119 sub-s 33.26    NA
s96t000430   7     6    2 960119 sub-s 33.37    NA
s96t000429   7     6    1 960119 sub-s 34.45    NA
s96t000429   7     6    2 960119 sub-s 35.40    NA
s96t000430   7     6    2 960119 sub-s    NA 0.514
s96t000429   7     6    2 960119 sub-s    NA 0.514
s96t000429   7     6    1 960119 sub-s    NA 0.516
```

s96t000430	7	6	1	960119	sub-s	NA	0.538					
					u109r7s6	34.1	0.52	0.79	1.533	-0.284	-3.191	
s96t000431	7	7	1	960119	sub-s	30.05	NA					
s96t000432	7	7	2	960119	sub-s	39.18	NA					
s96t000431	7	7	2	960119	sub-s	39.27	NA					
s96t000432	7	7	1	960119	sub-s	41.96	NA					
s96t000431	7	7	2	960119	sub-s	NA	0.421					
s96t000431	7	7	1	960119	sub-s	NA	0.439					
s96t000432	7	7	1	960119	sub-s	NA	0.574					
s96t000432	7	7	2	960119	sub-s	NA	0.579					
					u109r7s7	37.6	0.503	0.807	1.575	-0.298	-3.169	
s96t000433	7	8	1	960119	sub-s	23.85	NA					
s96t000433	7	8	2	960119	sub-s	24.26	NA					
s96t000434	7	8	2	960119	sub-s	30.68	NA					
s96t000434	7	8	1	960119	sub-s	31.35	NA					
s96t000433	7	8	1	960119	sub-s	NA	0.335					
s96t000433	7	8	2	960119	sub-s	NA	0.341					
s96t000434	7	8	1	960119	sub-s	NA	0.482					
s96t000434	7	8	2	960119	sub-s	NA	0.512					
					u109r7s8	27.5	0.418	0.576	1.44	-0.379	-3.518	
s96t000435	7	9	1	960119	sub-s	34.27	NA					
s96t000435	7	9	2	960119	sub-s	34.70	NA					
s96t000435	7	9	2	960119	sub-s	NA	0.351					
s96t000435	7	9	1	960119	sub-s	NA	0.385					
					u109r7s9	34.5	0.368	0.562	1.538	-0.434	-3.544	

Summary for Tank u110

Tank Statistics

wet.waste.vol	=	704	dry.mu.top	=	-5.549
wet.vol.top	=	82.09	dry.mu.bot	=	-5.217
wet.vol.bot	=	621.9	dry.sterr.top	=	0.2787
dry.waste.vol	=	648.5	dry.sterr.bot	=	0.6079
dry.vol.top	=	76.94	dry.corr	=	0.3473
dry.vol.bot	=	571.5	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	6
h2o.mu.top	=	-2.705	toc.mu.top	=	-5.681
h2o.mu.bot	=	-2.428	toc.mu.bot	=	-5.573
h2o.sterr.top	=	0.2033	toc.sterr.top	=	0.2611
h2o.sterr.bot	=	0.4086	toc.sterr.bot	=	0.6245
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	6	toc.nobs	=	6
h2o.mu	=	-2.866	toc.mu	=	-5.769
rw.h2o.mu	=	0.003525	rw.toc.mu	=	4.501
h2o.grp	=	dry.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.03e-10	3.33e-10	1.7e-09	1.16e-08	1.52e-07	1.55e-06	7.18e-05	0.0332
Dry	1.96e-08	5.78e-08	1.75e-07	6.94e-07	4.16e-06	1.68e-05	0.000167	0.319

Data From Tank

```
lab.id  ris  seg repl date layer  h2o   toc drytoc logh2o logtoc lgtdry
 c8s1   na3    1    1   NA surfa 8.04    NA
                  u110rna35s1 8.04    NA     NA  0.905     NA     NA

 c8s1   na3    1    1   NA surfa   NA 0.083
                  u110rna36s1 6.27 *****  0.088  0.797 -1.082 -5.418

 c14s1  na3    1    1   NA surfa 5.59    NA
                  u110rna37s1 5.59    NA     NA  0.747     NA     NA

 c14s1  na3    1    1   NA surfa   NA 0.049
                  u110rna38s1 6.27 *****  0.053  0.797 -1.306 -5.936

 c14s1  na3    1    2   NA surfa 4.75    NA
```

				u110rna39s1	4.75	NA	NA	0.677	NA	NA	
c14s1	na4	1	2	NA	surfa	NA	0.036				
				u110rna40s1	6.27	*****	0.039	0.797	-1.442	-6.251	
c7s1	na4	1	1	NA	surfa	4.16	NA				
				u110rna41s1	4.16	NA	NA	0.619	NA	NA	
c7s1	na4	1	1	NA	surfa	NA	0.074				
				u110rna42s1	6.27	0.074	0.079	0.797	-1.131	-5.531	
c7s1	na4	1	2	NA	surfa	3.08	NA				
				u110rna43s1	3.08	NA	NA	0.489	NA	NA	
c7s1	na4	1	2	NA	surfa	NA	0.060				
				u110rna44s1	6.27	*****	0.065	0.797	-1.218	-5.733	
c8s1	na4	1	1	NA	surfa	8.73	NA				
				u110rna45s1	8.73	NA	NA	0.941	NA	NA	
c8s1	na4	1	1	NA	surfa	NA	0.088				
				u110rna46s1	6.27	*****	0.094	0.797	-1.057	-5.359	

Summary for Tank u111

Tank Statistics

wet.waste.vol	=	1245	dry.mu.top	=	-3.235
wet.vol.top	=	82.09	dry.mu.bot	=	-3.301
wet.vol.bot	=	1163	dry.sterr.top	=	0.4414
dry.waste.vol	=	777.4	dry.sterr.bot	=	0.6629
dry.vol.top	=	52.53	dry.corr	=	0.5081
dry.vol.bot	=	724.9	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.5751	toc.mu.top	=	-3.67
h2o.mu.bot	=	-0.5031	toc.mu.bot	=	-3.851
h2o.sterr.top	=	0.4342	toc.sterr.top	=	0.421
h2o.sterr.bot	=	0.5297	toc.sterr.bot	=	0.6747
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	2
h2o.mu	=	-0.4423	toc.mu	=	-3.604
rw.h2o.mu	=	0.3108	rw.toc.mu	=	4.553
h2o.grp	=	dry.saltcake	toc.grp	=	h

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.44e-07	2.42e-06	9.9e-06	5.7e-05	0.000534	0.00225	0.135	1.29
Dry	0.00246	0.00463	0.00878	0.0181	0.0443	0.0827	0.225	0.653

Data From Tank

```
    lab.id  ris  seg repl date layer   h2o  toc drytoc logh2o logtoc lgtdry
rat-u111-2  na4   NA   NA   NA surfa 39.12   NA
                  ********************* 39.1   NA     NA  1.592    NA     NA

rat-u111-3  na7   NA   NA   NA surfa    NA 0.54
                  u111rna74s-7092    36 0.54  0.844  1.556 -0.268 -3.122

rat-u111-2  na7   NA   NA   NA surfa    NA 0.52
                  u111rna75s-7091    36 0.52  0.813  1.556 -0.284 -3.162
```

Unused Data Records

```
lab.id  ris  seg repl status   date layer  h2o  toc
    NA  na4   NA    1 del.qa 800101 super   NA 3.65
```

Summary for Tank u112

Tank Statistics

wet.waste.vol	=	170.3	dry.mu.top	=	-4.218
wet.vol.top	=	82.09	dry.mu.bot	=	-4.218
wet.vol.bot	=	88.24	dry.sterr.top	=	0.8727
dry.waste.vol	=	95.42	dry.sterr.bot	=	0.8727
dry.vol.top	=	48.33	dry.corr	=	0.7572
dry.vol.bot	=	47.09	dry.sigma	=	0.7192
tank.dia	=	22.86	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.3589	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.1348	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.8204	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.8201	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	0	toc.nobs	=	0
h2o.mu	=	NaN	toc.mu	=	NaN
rw.h2o.mu	=	0.5907	rw.toc.mu	=	4.6
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	6.97e-12	9.94e-11	1.13e-09	1.39e-08	6.48e-07	1.18e-05	0.00236	0.698
Dry	4.24e-05	0.000134	0.000423	0.00144	0.00639	0.0179	0.0705	0.653

Data From Tank

No Data Associated with This Tank

Summary for Tank u201

Tank Statistics

wet.waste.vol	=	15.14	dry.mu.top	=	-4.218
wet.vol.top	=	5.837	dry.mu.bot	=	-4.218
wet.vol.bot	=	9.303	dry.sterr.top	=	0.8727
dry.waste.vol	=	6.794	dry.sterr.bot	=	0.8727
dry.vol.top	=	2.668	dry.corr	=	0.7572
dry.vol.bot	=	4.126	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	0.1724	toc.mu.top	=	-4.696
h2o.mu.bot	=	0.2269	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3717	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.3716	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	0.2972	toc.mu	=	NaN
rw.h2o.mu	=	1.609	rw.toc.mu	=	4.774
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	2.93e-15	4.11e-14	6.21e-13	6.06e-12	3.21e-10	2.77e-09	9.01e-07	0.000167
Dry	4.17e-05	0.000133	0.000417	0.00142	0.00631	0.0186	0.072	0.902

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000548	6	1	2	950317	surfa	35.74	NA				
s95t000548	6	1	1	950317	surfa	36.29	NA				
s95t000544	6	1	2	950317	surfa	70.31	NA				
s95t000544	6	1	1	950317	surfa	70.54	NA				
					u201r6s1	65.2	NA	NA	1.814	NA	NA
s95t000552	6	2	2	950317	sub-s	33.80	NA				
s95t000552	6	2	3	950317	sub-s	37.71	NA				
s95t000552	6	2	1	950317	sub-s	38.99	NA				
s95t000556	6	2	1	950317	sub-s	69.88	NA				
s95t000556	6	2	2	950317	sub-s	70.26	NA				
					u201r6s2	49.2	NA	NA	1.692	NA	NA

Summary for Tank u202

Tank Statistics

wet.waste.vol	=	15.14	dry.mu.top	=	-4.218
wet.vol.top	=	5.837	dry.mu.bot	=	-4.218
wet.vol.bot	=	9.303	dry.sterr.top	=	0.8727
dry.waste.vol	=	7.891	dry.sterr.bot	=	0.8727
dry.vol.top	=	3.228	dry.corr	=	0.7572
dry.vol.bot	=	4.663	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.2126	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.004992	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.3717	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.3716	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	0
h2o.mu	=	-0.07861	toc.mu	=	NaN
rw.h2o.mu	=	0.8438	rw.toc.mu	=	4.643
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	1.06e-13	8.49e-13	8.03e-12	1.5e-10	5.03e-09	5.32e-08	2.29e-06	0.0604
Dry	4.18e-05	0.000133	0.000419	0.00143	0.00636	0.0185	0.0716	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000584	2	1	1	950322	surfa	25.49	NA				
s95t000584	2	1	2	950322	surfa	26.24	NA				
s95t000582	2	1	1	950322	surfa	72.60	NA				
s95t000582	2	1	2	950322	surfa	73.24	NA				
s95t000630	2	1	2	950322	surfa	18.90	NA				
s95t000630	2	1	3	950322	surfa	19.27	NA				
s95t000632	2	1	2	950322	surfa	22.24	NA				
s95t000630	2	1	1	950322	surfa	24.11	NA				
s95t000632	2	1	1	950322	surfa	24.45	NA				
s95t000621	2	1	1	950322	surfa	73.42	NA				
s95t000621	2	1	2	950322	surfa	73.60	NA				
					u202r2s1	46.3	NA	NA	1.666	NA	NA

s95t000598	2	2	1	950322	sub-s	22.87	NA				
s95t000598	2	2	2	950322	sub-s	22.90	NA				
s95t000590	2	2	3	950322	sub-s	36.88	NA				
s95t000590	2	2	2	950322	sub-s	38.71	NA				
s95t000590	2	2	1	950322	sub-s	43.64	NA				
s95t000588	2	2	2	950322	sub-s	72.23	NA				
s95t000588	2	2	1	950322	sub-s	73.29	NA				
s95t000644	2	2	2	950322	sub-s	23.96	NA				
s95t000644	2	2	1	950322	sub-s	24.43	NA				
s95t000643	2	2	3	950322	sub-s	34.80	NA				
s95t000643	2	2	1	950322	sub-s	36.24	NA				
s95t000643	2	2	2	950322	sub-s	41.50	NA				
s95t000636	2	2	2	950322	sub-s	72.23	NA				
s95t000636	2	2	1	950322	sub-s	72.27	NA				
					u202r2s2	49.8	NA	NA	1.697	NA	NA

Summary for Tank u203

Tank Statistics

wet.waste.vol	=	7.57	dry.mu.top	=	-4.218
wet.vol.top	=	5.837	dry.mu.bot	=	-4.218
wet.vol.bot	=	1.733	dry.sterr.top	=	0.8727
dry.waste.vol	=	5.072	dry.sterr.bot	=	0.8727
dry.vol.top	=	3.991	dry.corr	=	0.7572
dry.vol.bot	=	1.081	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	0
h2o.mu.top	=	-0.7709	toc.mu.top	=	-4.696
h2o.mu.bot	=	-0.5062	toc.mu.bot	=	-4.819
h2o.sterr.top	=	0.4358	toc.sterr.top	=	0.9209
h2o.sterr.bot	=	0.5371	toc.sterr.bot	=	0.9199
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	1	toc.nobs	=	0
h2o.mu	=	-0.942	toc.mu	=	NaN
rw.h2o.mu	=	0.202	rw.toc.mu	=	4.534
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	5.05e-12	5.1e-11	4.73e-10	5.7e-09	2.08e-07	2.97e-06	0.000198	0.00437
Dry	3.74e-05	0.00012	0.000382	0.00132	0.00601	0.0185	0.0774	0.812

Data From Tank

lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000685	6	1	2	950403	surfa	22.94	NA				
s95t000685	6	1	1	950403	surfa	24.50	NA				
s95t000689	6	1	2	950403	surfa	31.51	NA				
s95t000689	6	1	1	950403	surfa	33.25	NA				
					u203r6s1	28	NA	NA	1.448	NA	NA

Summary for Tank u204

Tank Statistics

wet.waste.vol	=	7.57	dry.mu.top	=	-5.639
wet.vol.top	=	5.837	dry.mu.bot	=	-5.285
wet.vol.bot	=	1.733	dry.sterr.top	=	0.44
dry.waste.vol	=	5.317	dry.sterr.bot	=	0.6603
dry.vol.top	=	4.181	dry.corr	=	0.5047
dry.vol.bot	=	1.137	dry.sigma	=	0.7192
tank.dia	=	6.096	dry.dof	=	436
rho	=	0.3407	dry.nobs	=	2
h2o.mu.top	=	-0.9256	toc.mu.top	=	-6.071
h2o.mu.bot	=	-0.6457	toc.mu.bot	=	-5.872
h2o.sterr.top	=	0.3324	toc.sterr.top	=	0.4198
h2o.sterr.bot	=	0.4748	toc.sterr.bot	=	0.6732
h2o.sigma	=	0.5123	toc.sigma	=	0.6656
h2o.dof	=	549	toc.dof	=	436
h2o.nobs	=	2	toc.nobs	=	2
h2o.mu	=	-1.043	toc.mu	=	-6.442
rw.h2o.mu	=	0.1433	rw.toc.mu	=	4.524
h2o.grp	=	wet.sludge	toc.grp	=	1

Combustible Waste Fractions

	50%	60%	70%	80%	90%	95%	99%	100%
Cur	0	0	0	2.4e-17	1.85e-15	7.24e-14	6.52e-12	2.76e-08
Dry	6.96e-09	2.22e-08	6.33e-08	1.99e-07	1.25e-06	4.93e-06	5.24e-05	0.245

Data From Tank

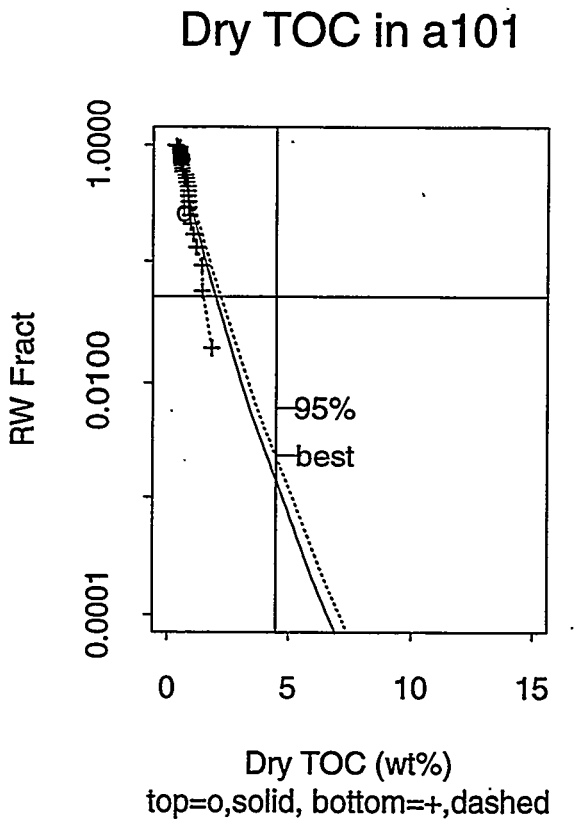
lab.id	ris	seg	repl	date	layer	h2o	toc	drytoc	logh2o	logtoc	lgtdry
s95t000717	2	1	1	950405	surfa	29.12	NA				
s95t000717	2	1	2	950405	surfa	29.56	NA				
s95t000723	2	1	1	950405	surfa	86.46	NA				
s95t000723	2	1	2	950405	surfa	86.89	NA				
s95t000717	2	1	1	950405	surfa	NA	0.081				
s95t000717	2	1	2	950405	surfa	NA	0.082				
s95t000723	2	1	1	950405	surfa	NA	0.007				
s95t000723	2	1	2	950405	surfa	NA	0.006				
					u204r2s1	29.3	*****	0.115	1.467	-1.089	-5.15
s95t000718	6	1	2	950405	surfa	21.84	NA				
s95t000718	6	1	1	950405	surfa	24.18	NA				
s95t000724	6	1	2	950405	surfa	86.18	NA				

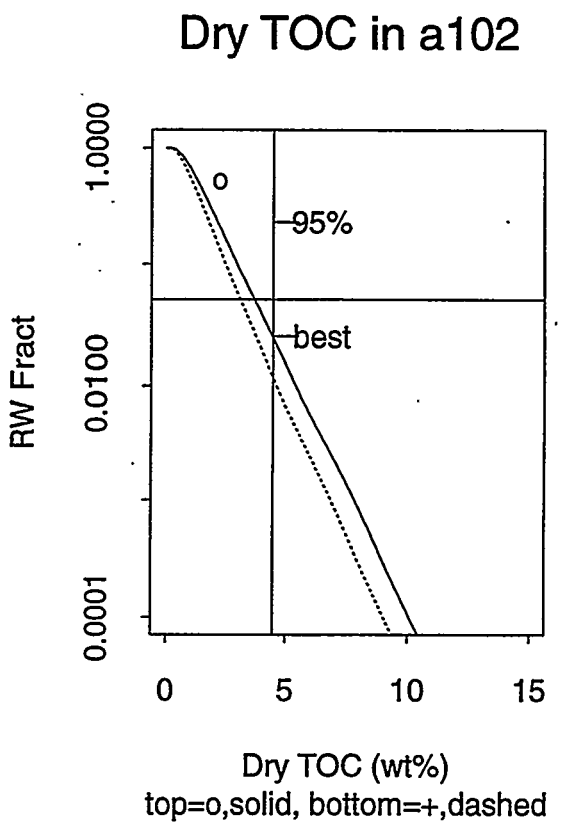
```
s95t000724    6    1    1 950405 surfa 87.18    NA
s95t000718    6    1    1 950405 surfa    NA 0.012
s95t000718    6    1    2 950405 surfa    NA 0.013
s95t000724    6    1    1 950405 surfa    NA 0.006
s95t000724    6    1    2 950405 surfa    NA 0.006
                            u204r6s1    23 *****  0.016  1.362 -1.907 -7.123
```

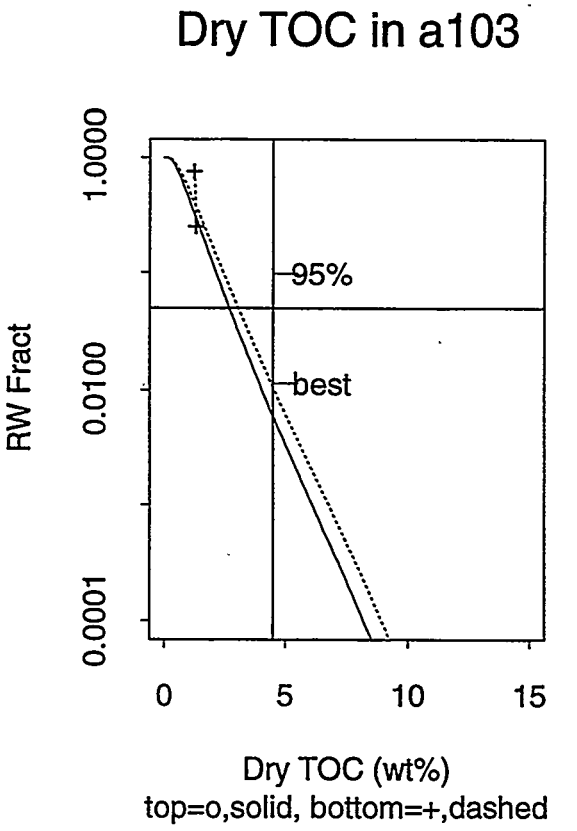
APPENDIX B Dry-TOC Plots for Each Tank

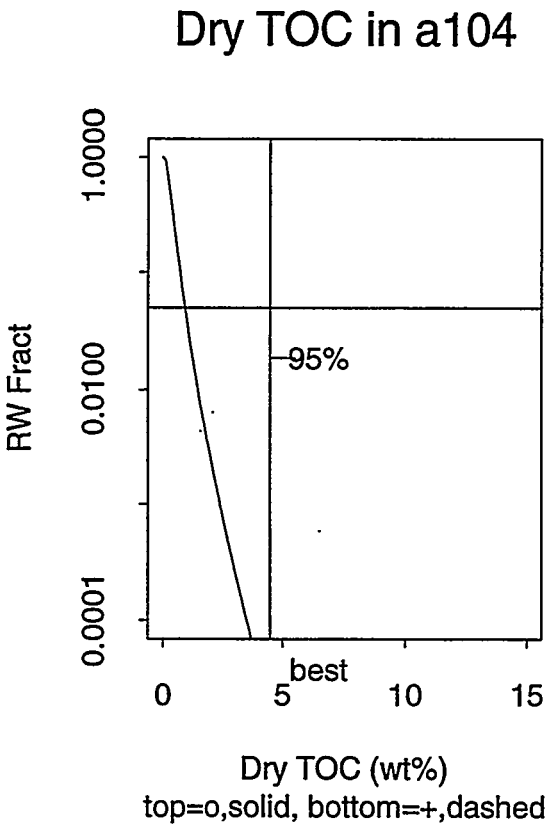
This section contains dry combustible waste distribution plots for each tank. The points on the plot represent data points, and these are formed into an empirical complementary cumulative distribution function. The curves on the plot represent the distributions calculated from the ANOVA statistics. Two curves are on each plot, because we distinguish between surface and sub-surface waste. The combustible waste fractions are labeled as "RW fractions," (Reactive Waste fractions) on these plots.

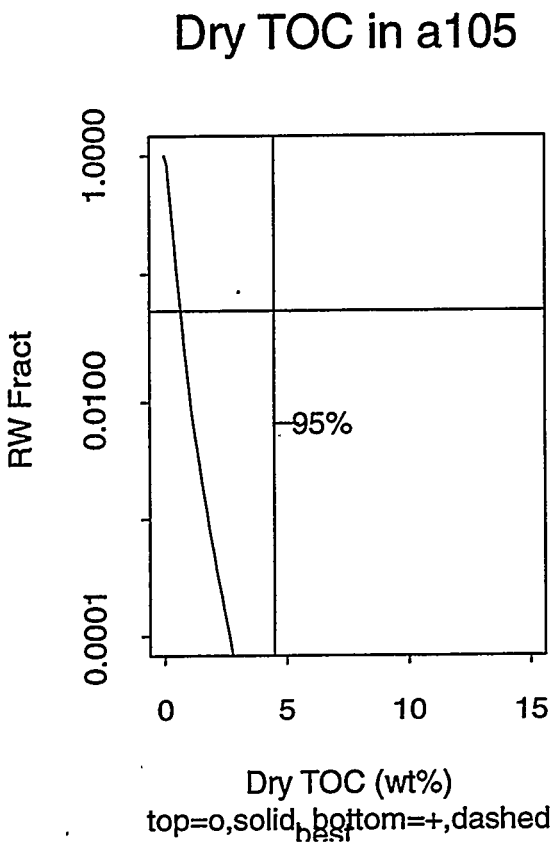
The vertical line represents the combustion threshold (4.5% for dry-TOC). Waste above this threshold should be combustible. Two points are identified on this line. The "best" estimate of combustible waste fraction, and the 95% bound on this fraction. On some of the plots these estimates are very small and cannot be plotted.

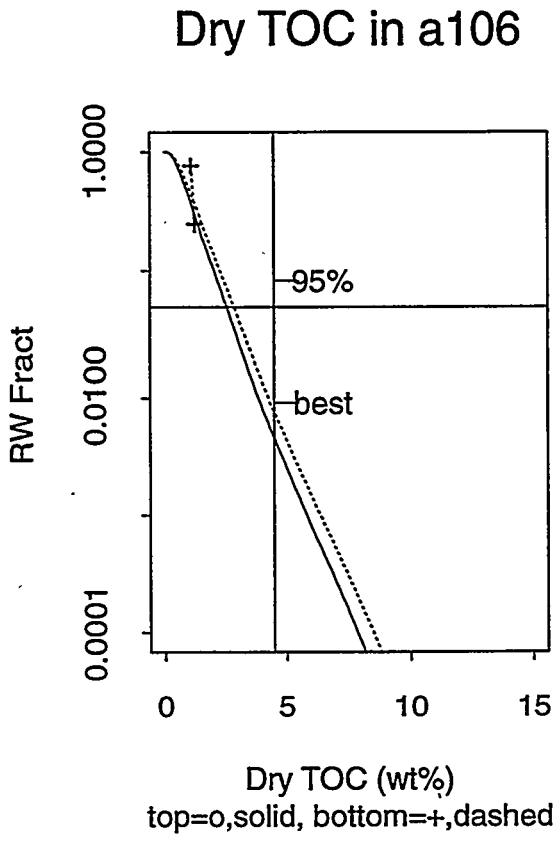

Dry TOC in a101
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

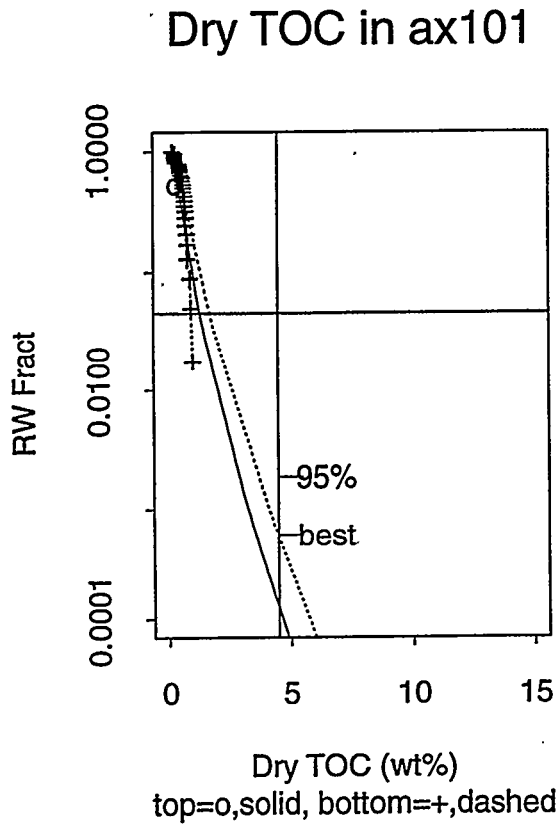

Dry TOC in a102
RW Fract
1.0000
0.0100
0.0001
o
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

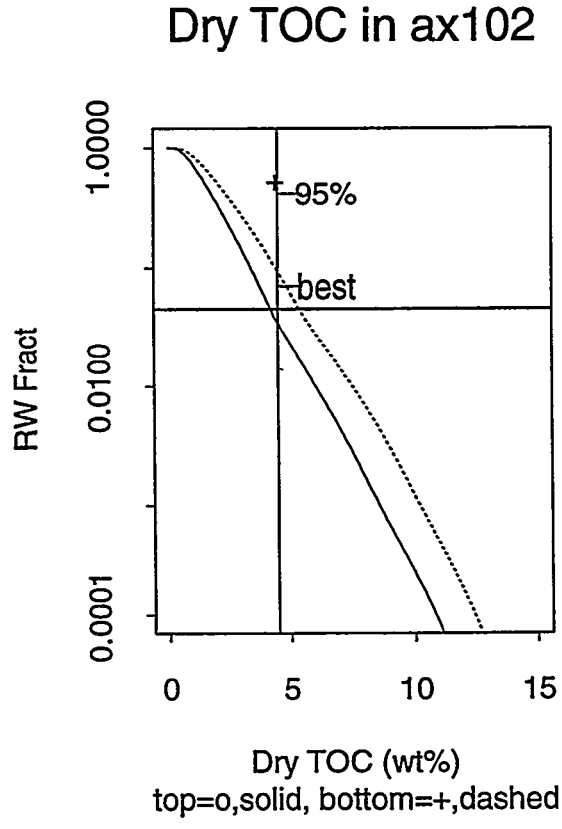

Dry TOC in a103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

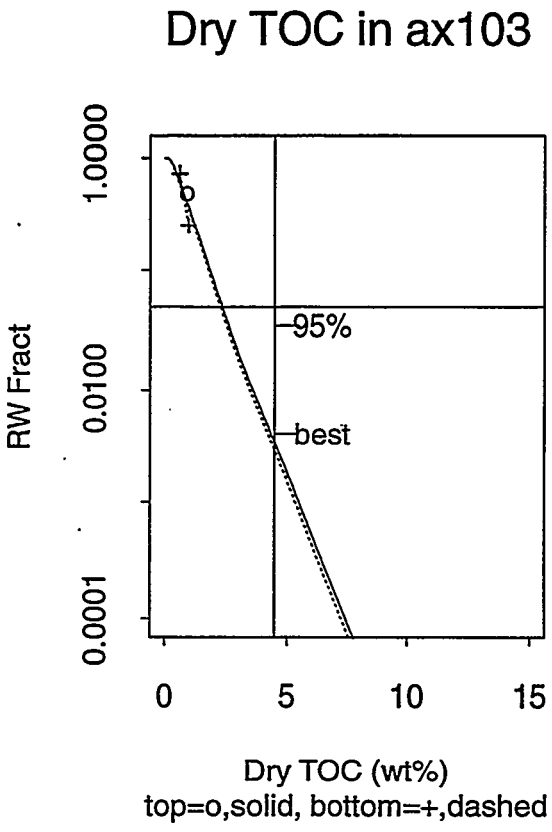

Dry TOC in a104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

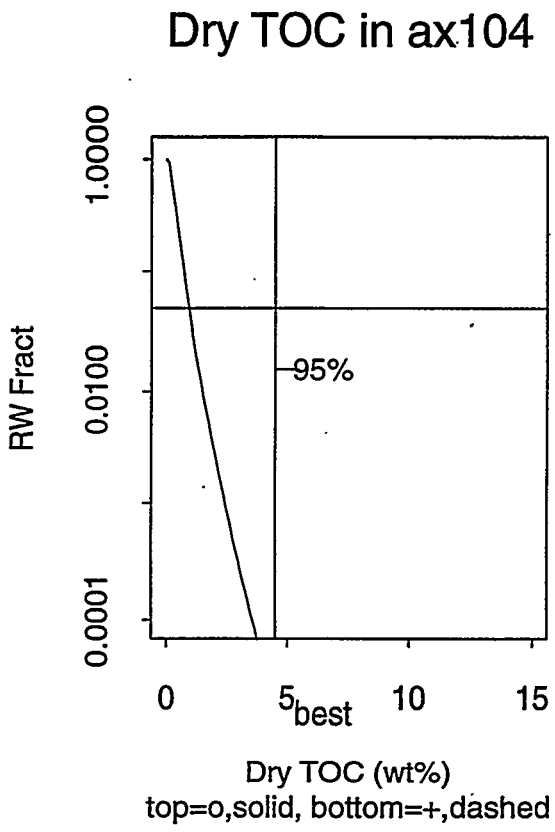

Dry TOC in a105
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

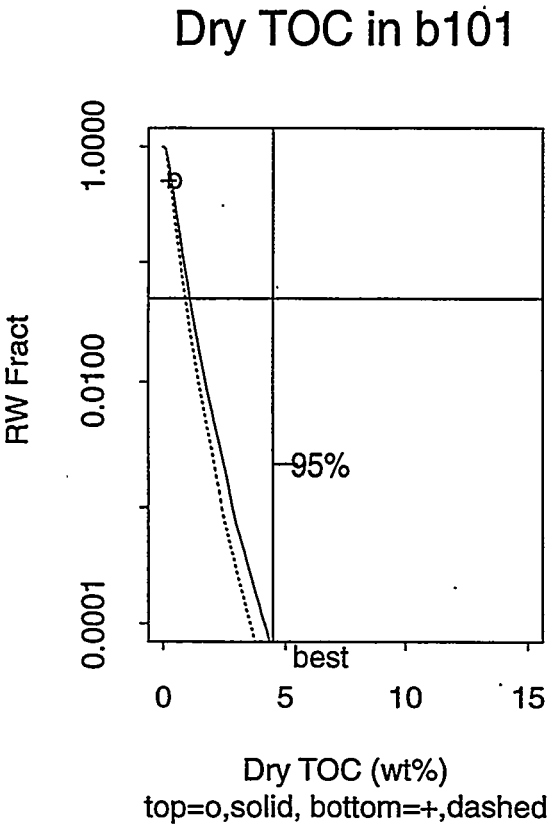

Dry TOC in a106
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

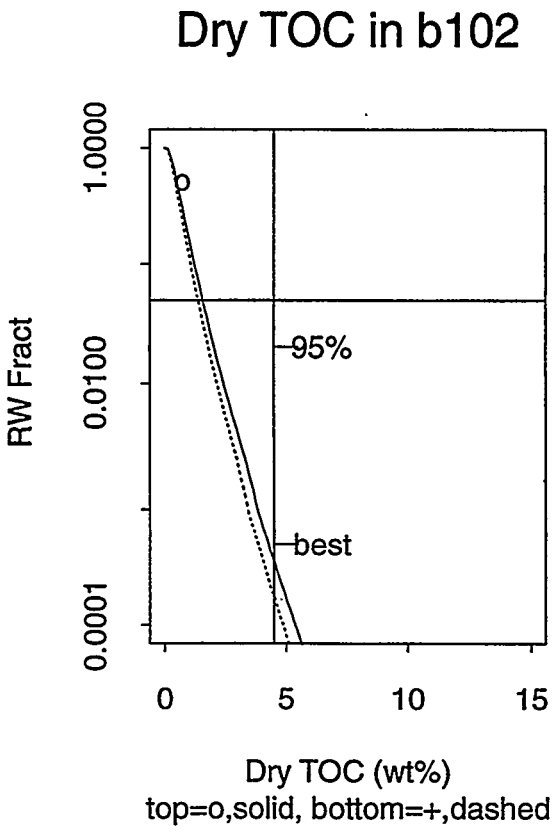

Dry TOC in ax101
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

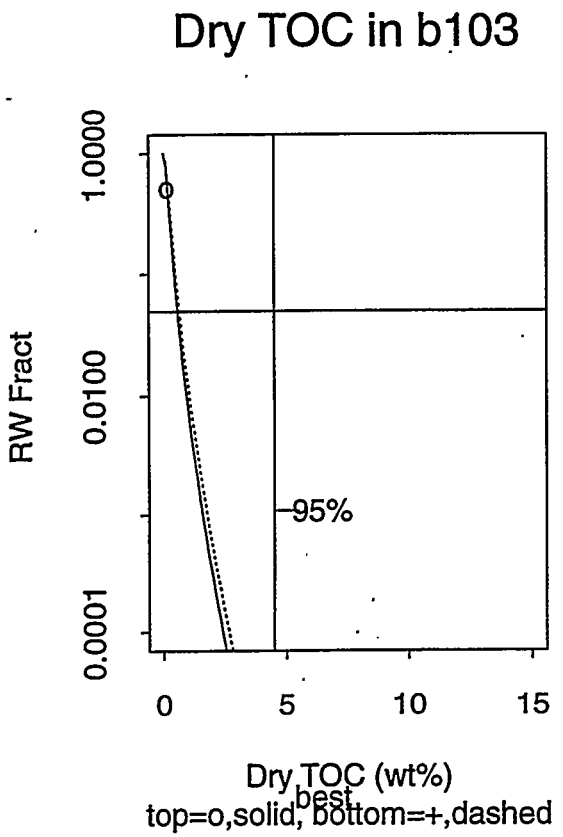

Dry TOC in ax102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

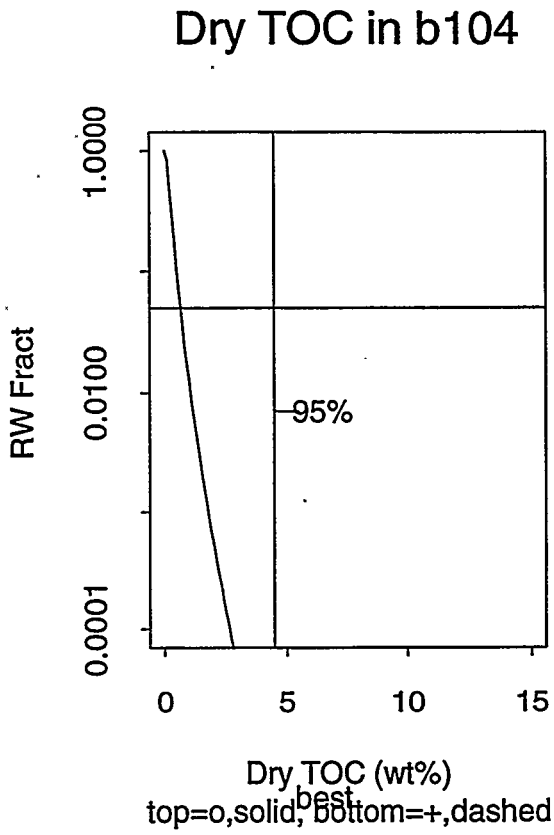

Dry TOC in ax103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

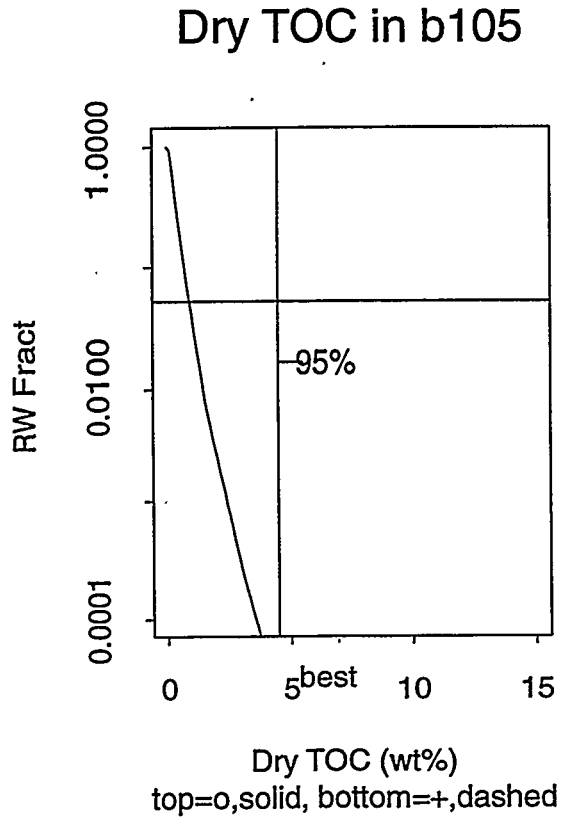

Dry TOC in ax104
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

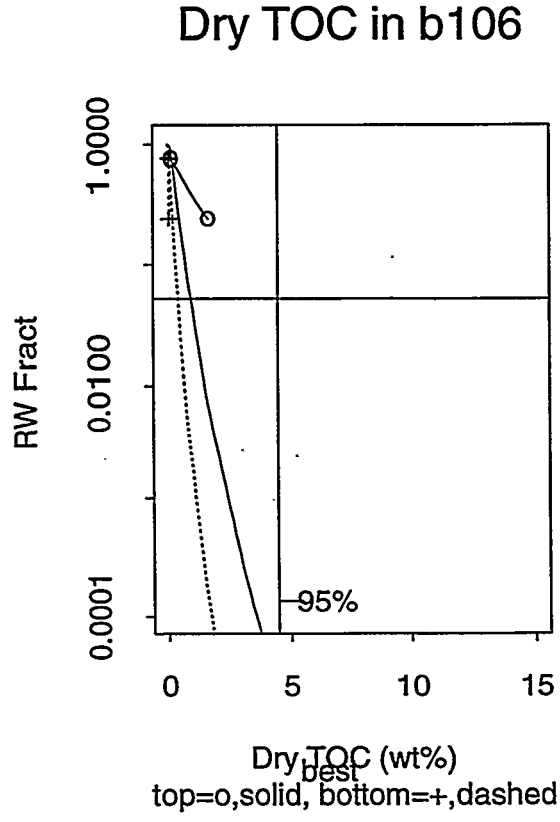

Dry TOC in b101
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

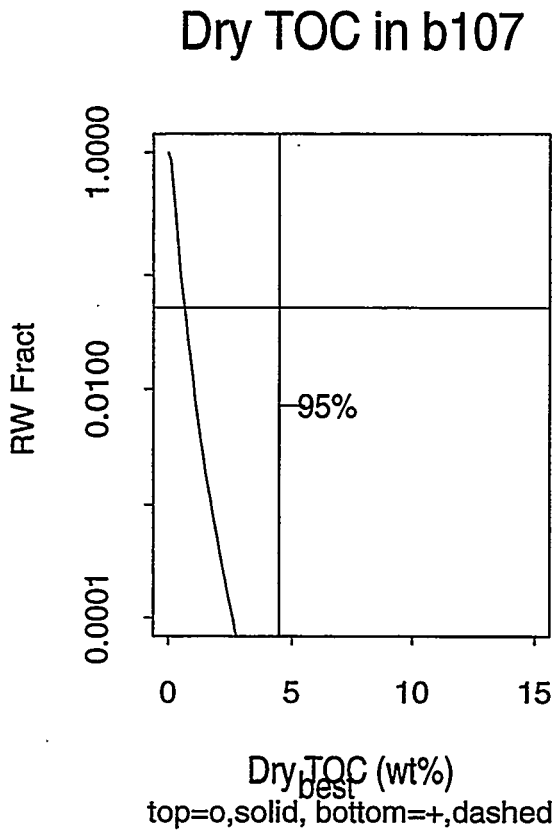

Dry TOC in b102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

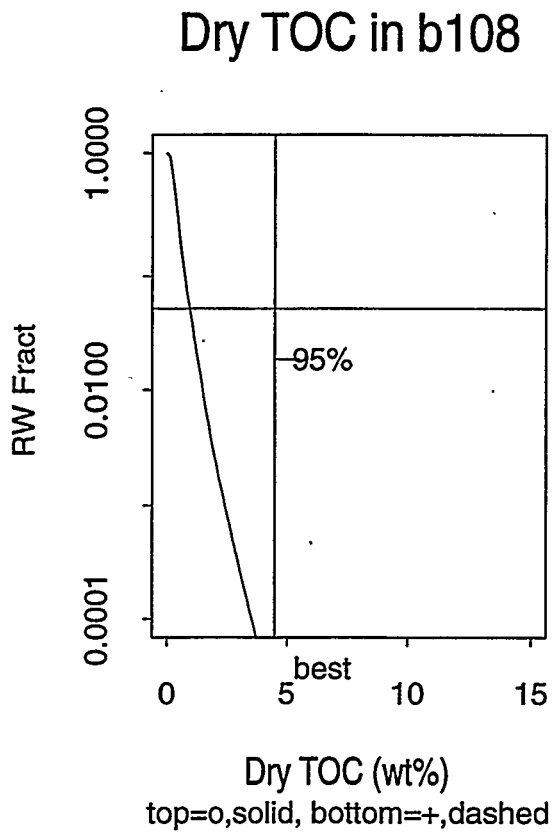

Dry TOC in b103
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed
best


Dry TOC in b104
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed
best


Dry TOC in b105
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in b106
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed
best


Dry TOC in b107
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
best
top=o,solid, bottom=+,dashed


Dry TOC in b108
RW Fract
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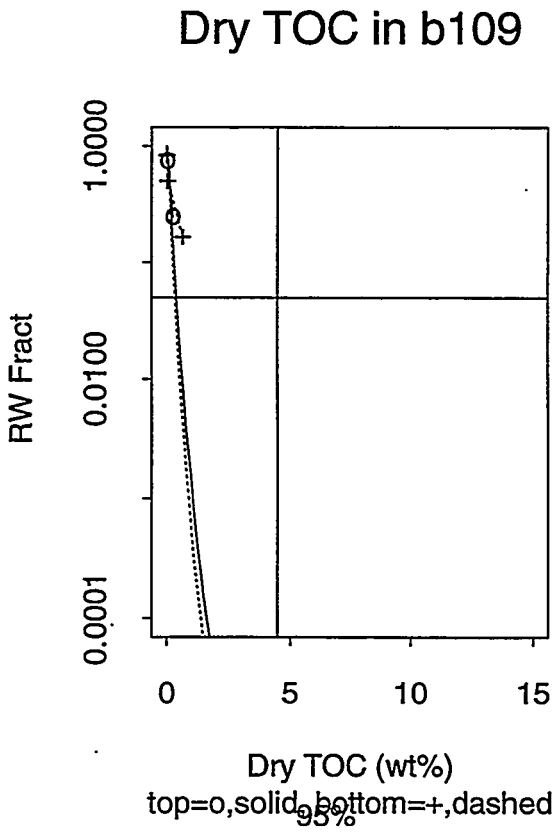
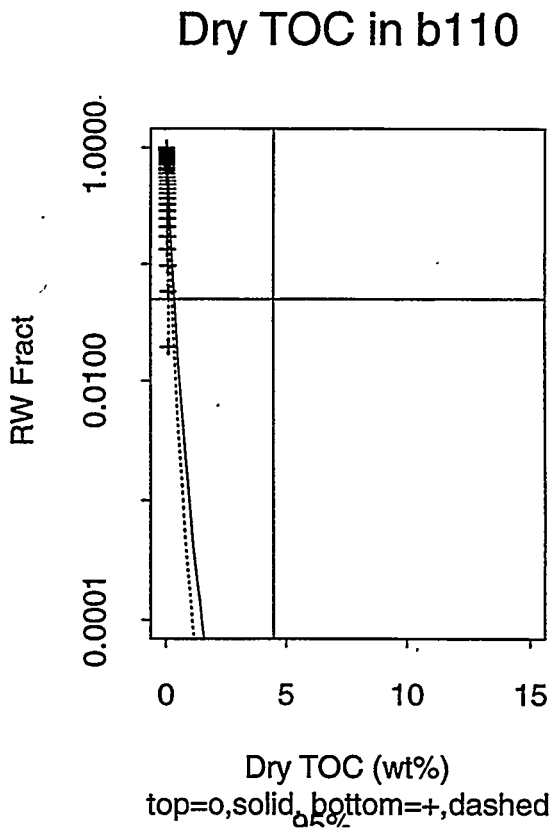
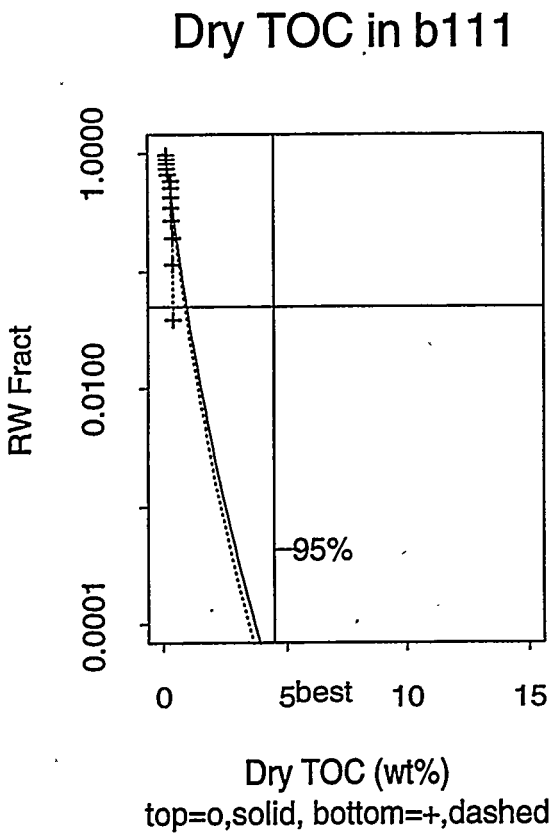
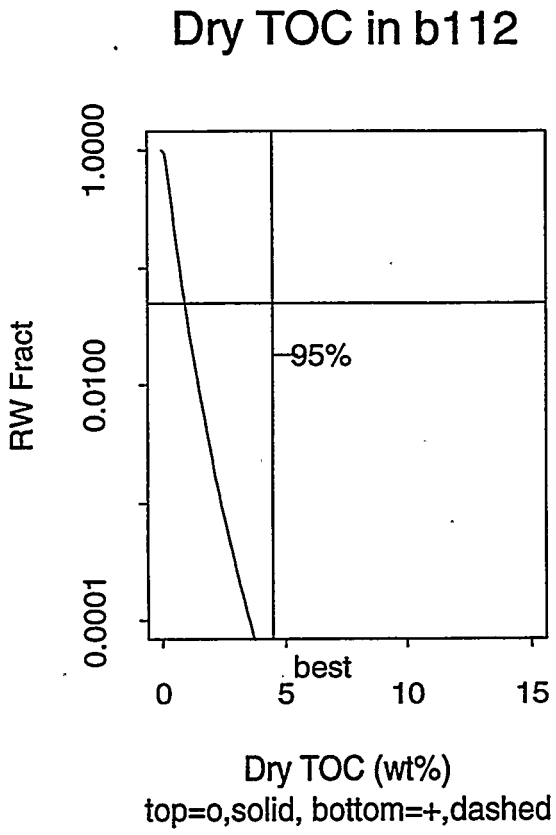
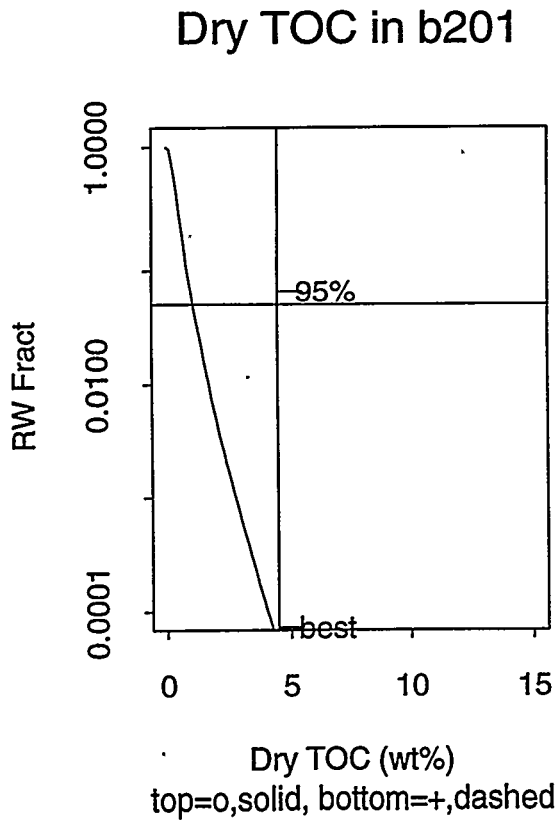
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

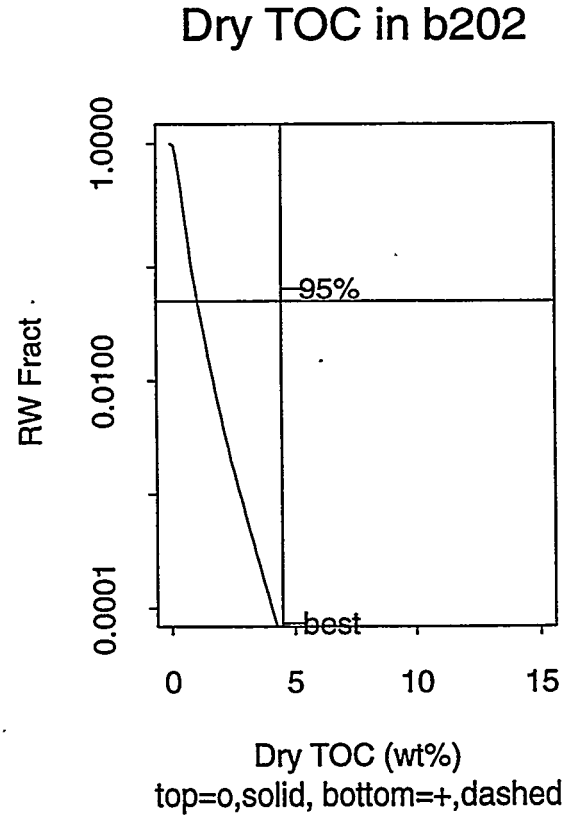

Dry TOC in b109
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

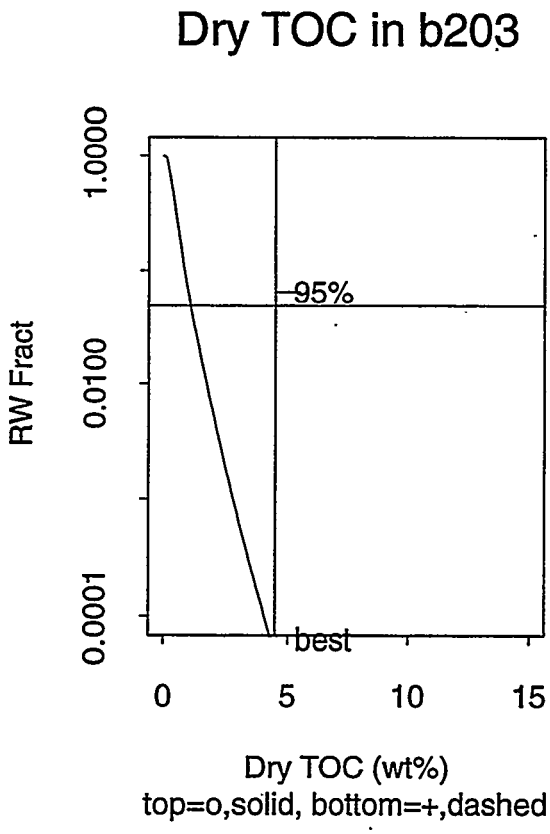

Dry TOC in b110
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

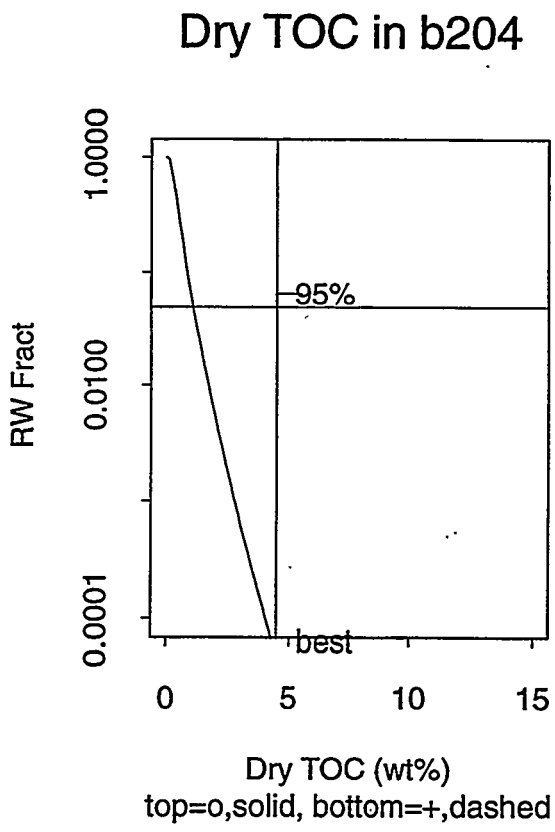

Dry TOC in b111
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

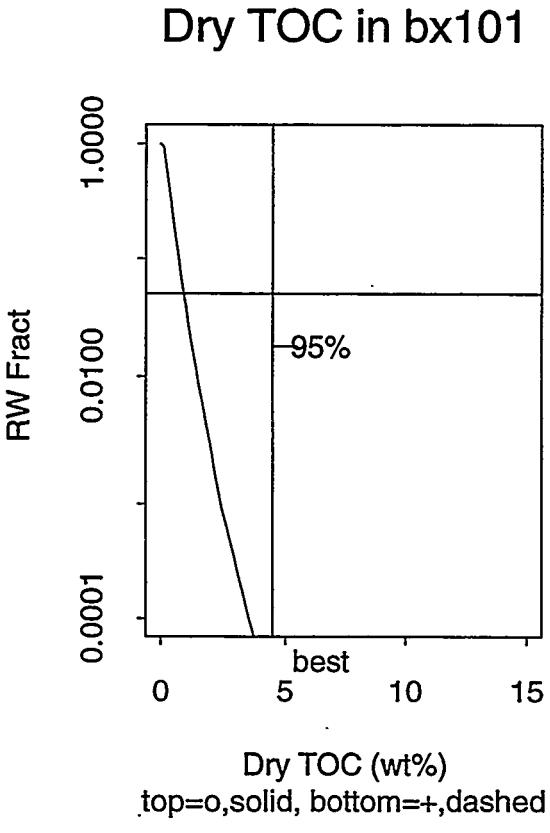

Dry TOC in b112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

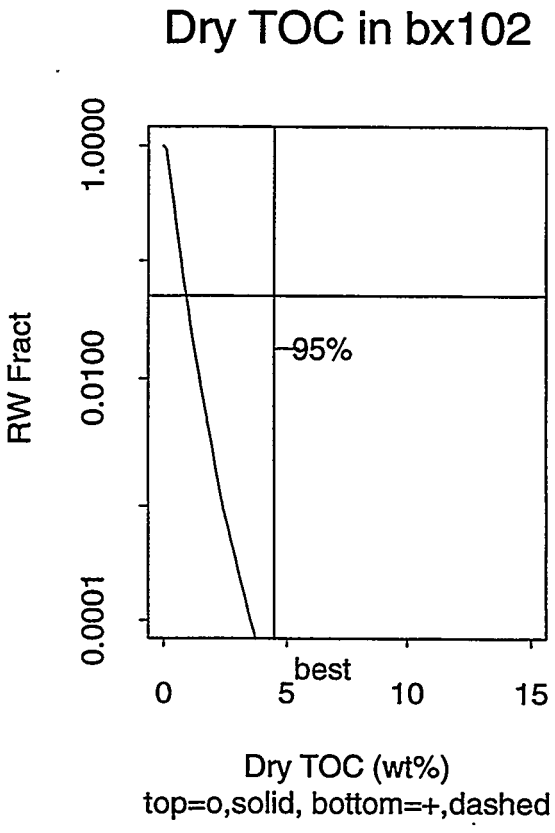

Dry TOC in b201
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in b202
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

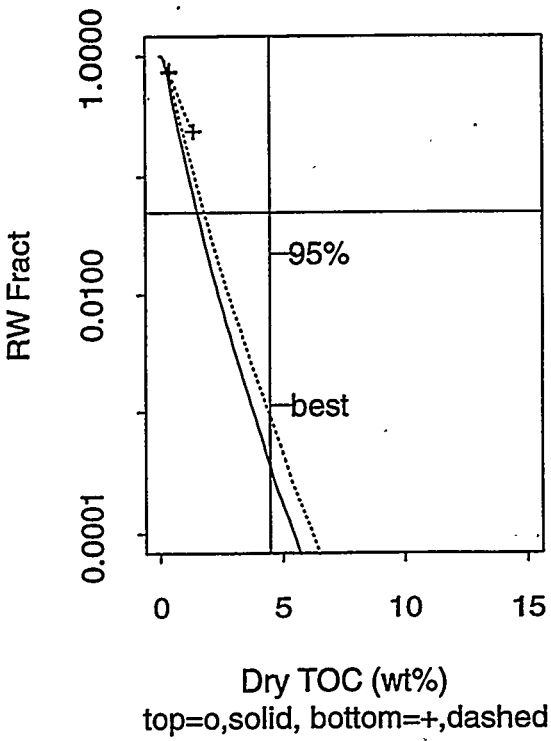

Dry TOC in b203
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in b204
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

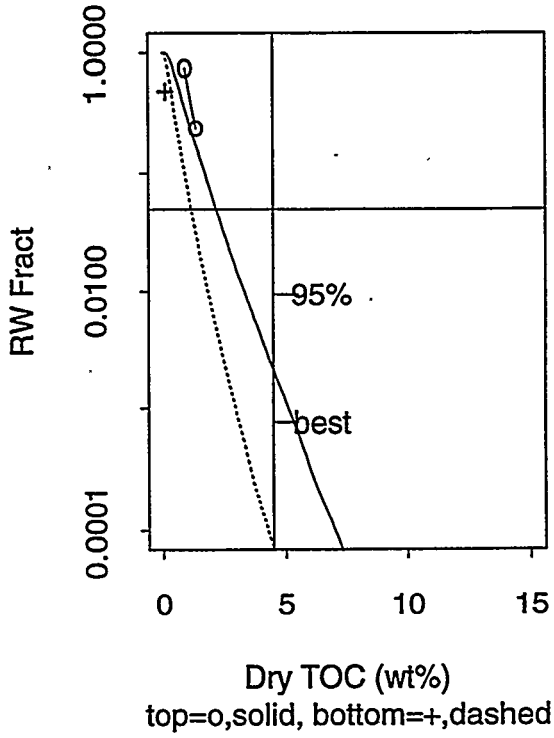

Dry TOC in bx101
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in bx102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

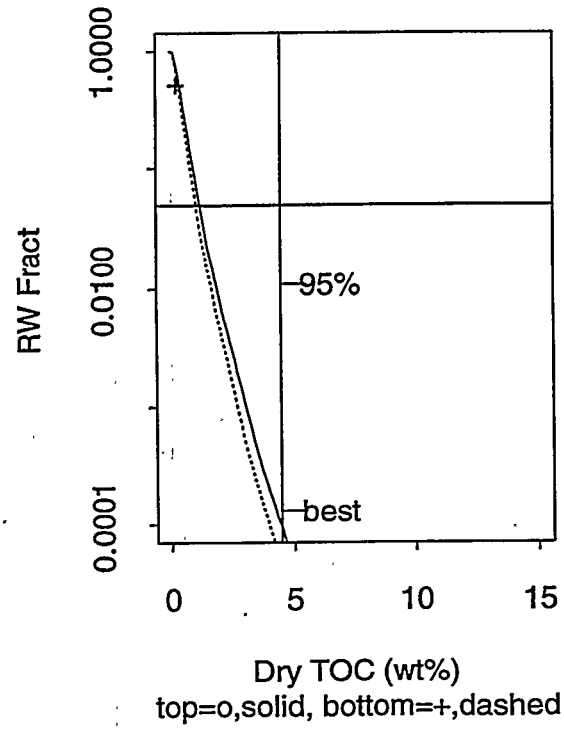
Dry TOC in bx103



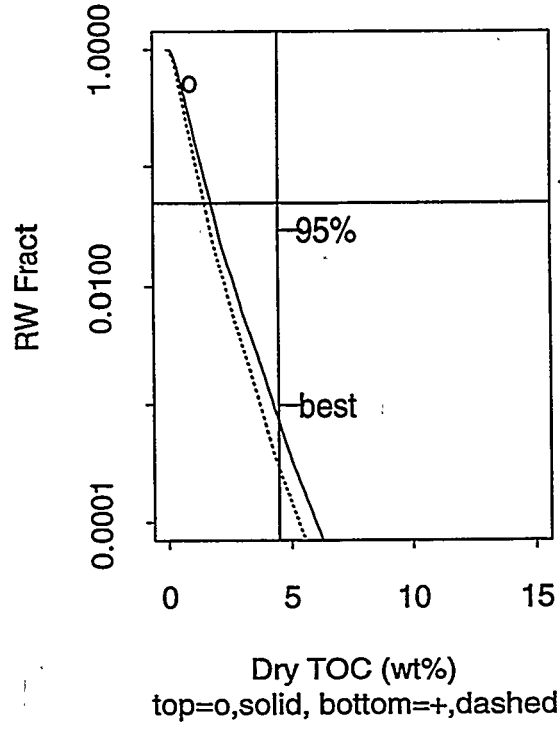
Dry TOC in bx104

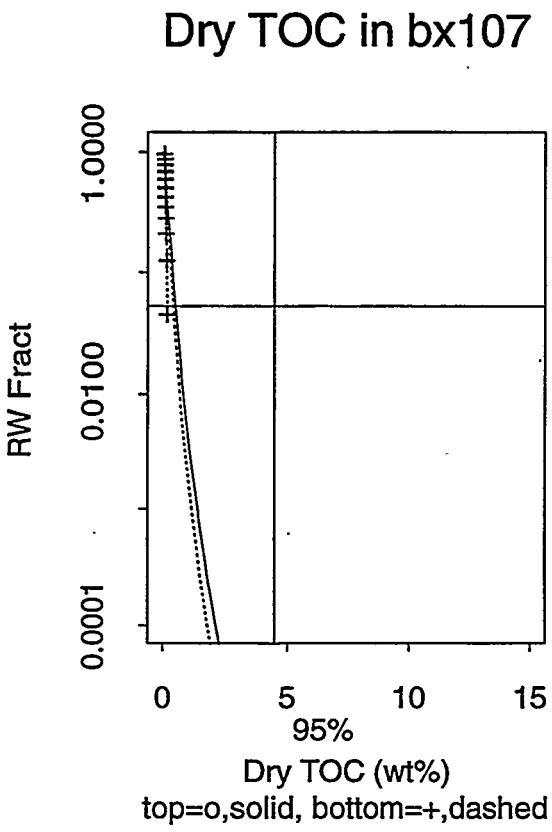


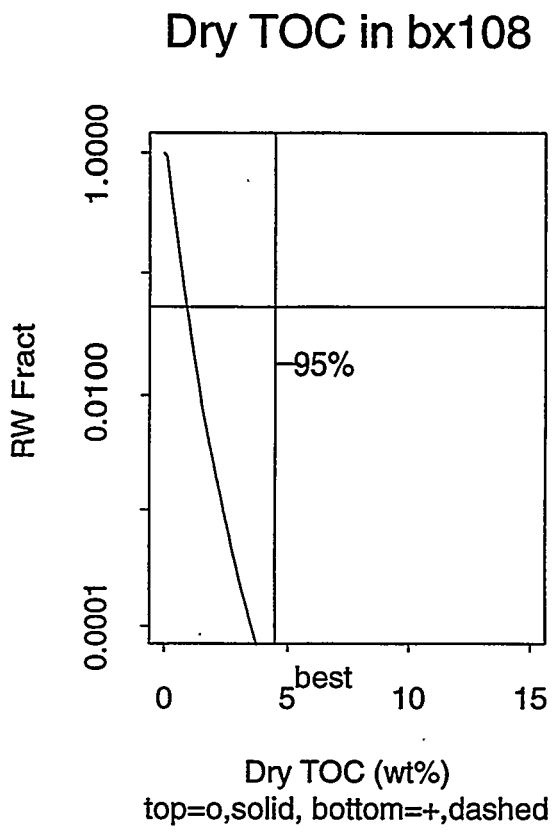
Dry TOC in bx105

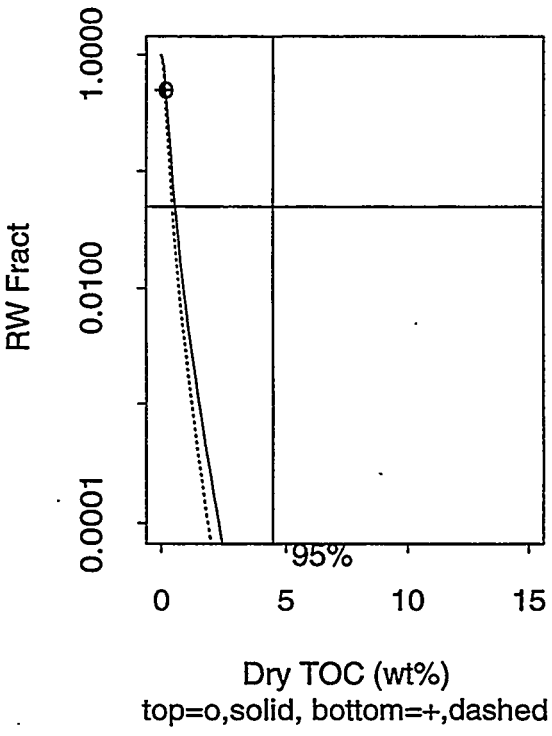


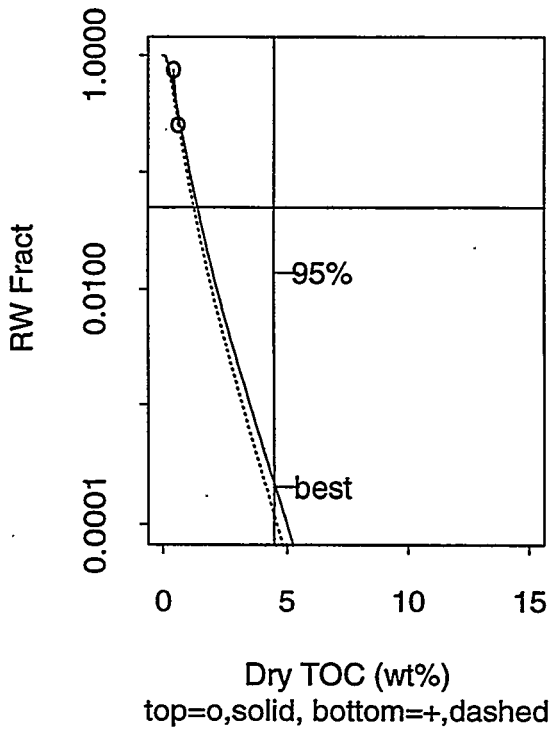
Dry TOC in bx106

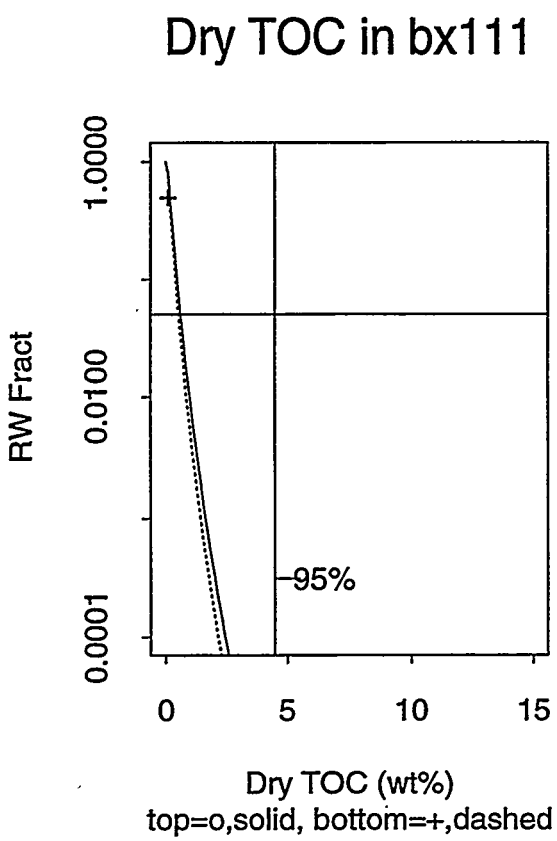


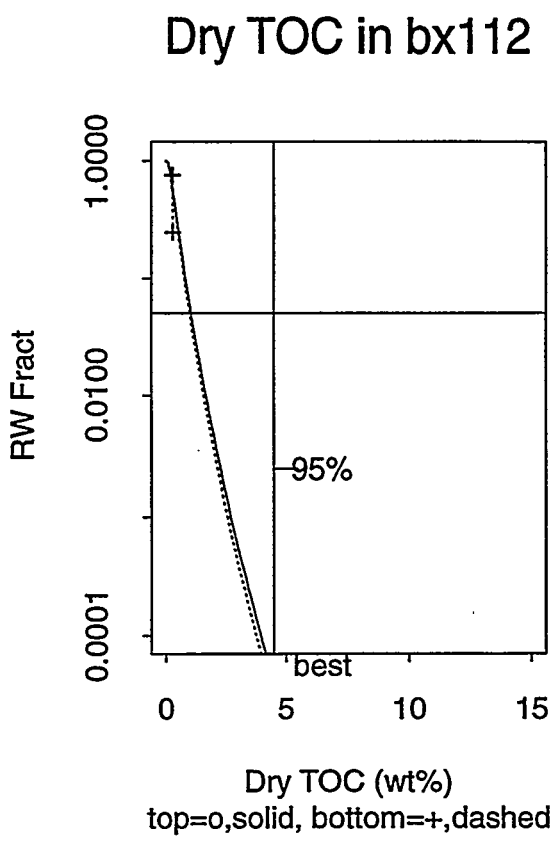

Dry TOC in bx107
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
95%
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

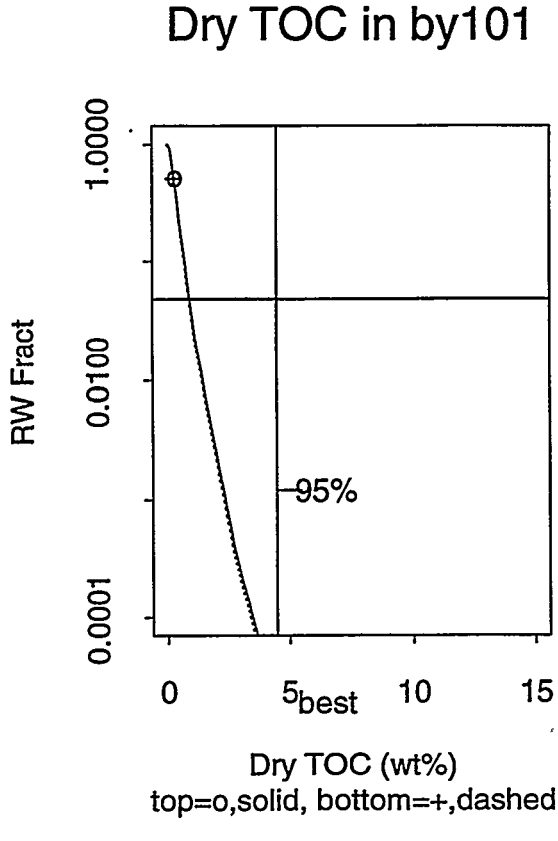

Dry TOC in bx108
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

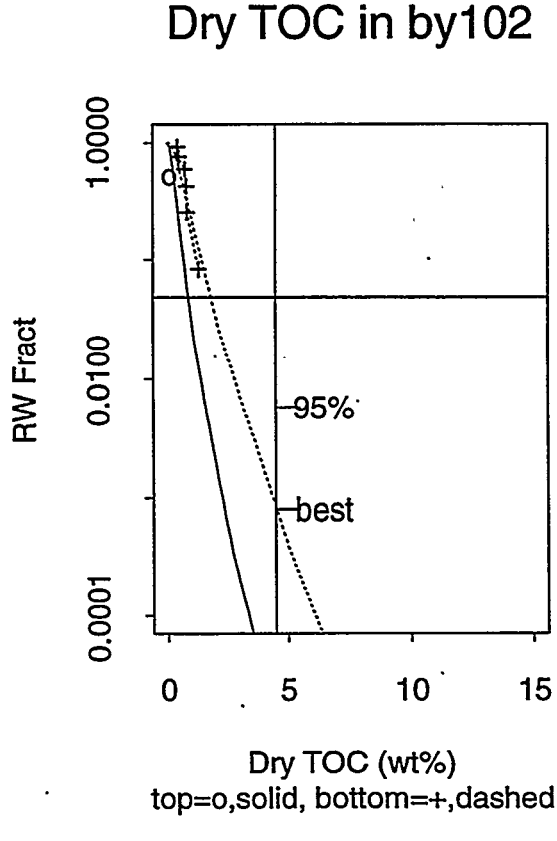

Dry TOC in bx109
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

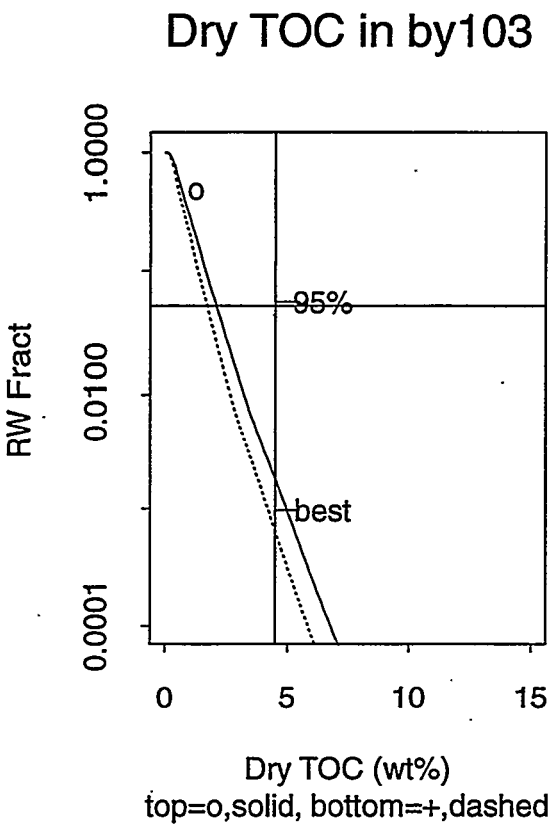

Dry TOC in bx110
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

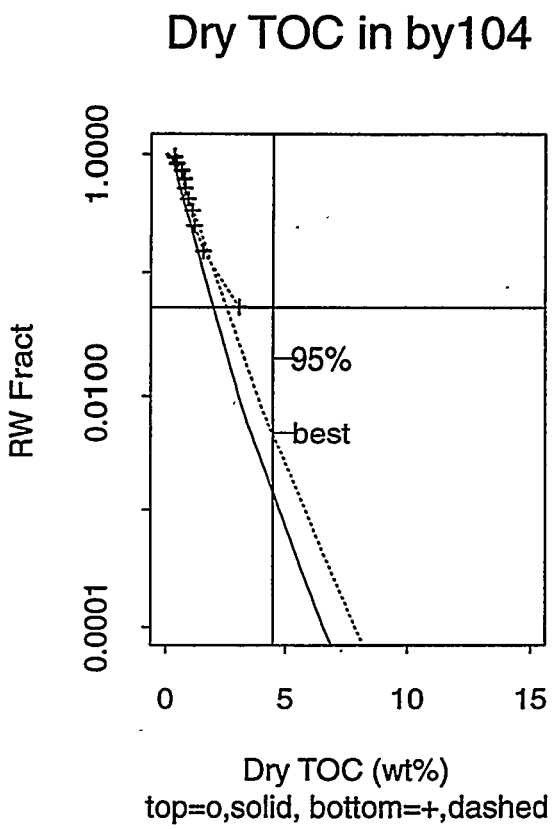

Dry TOC in bx111
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

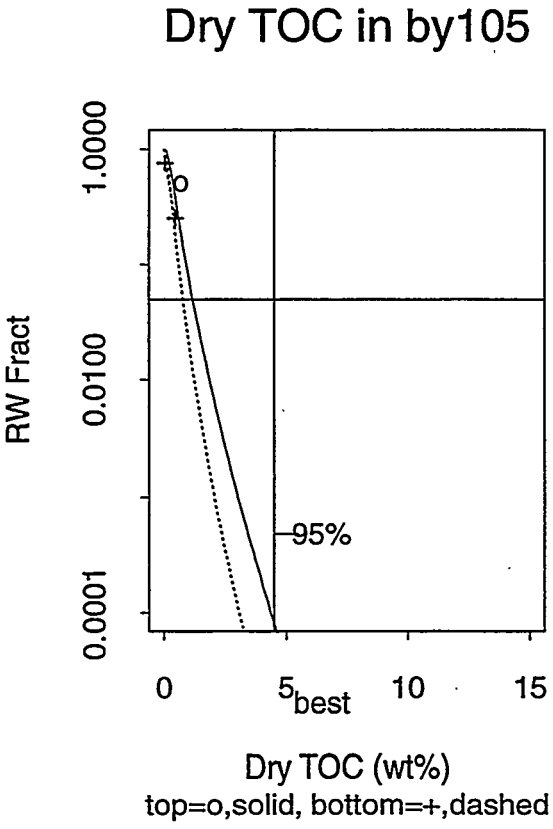

Dry TOC in bx112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

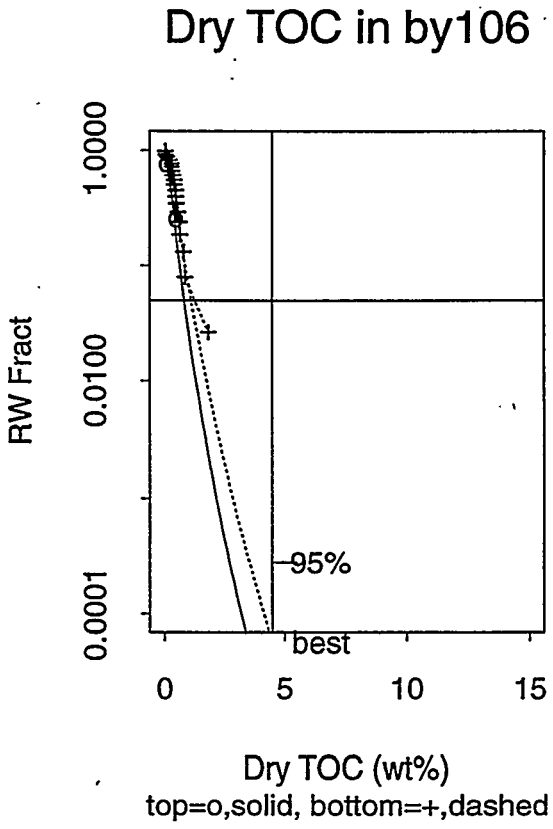

Dry TOC in by101
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

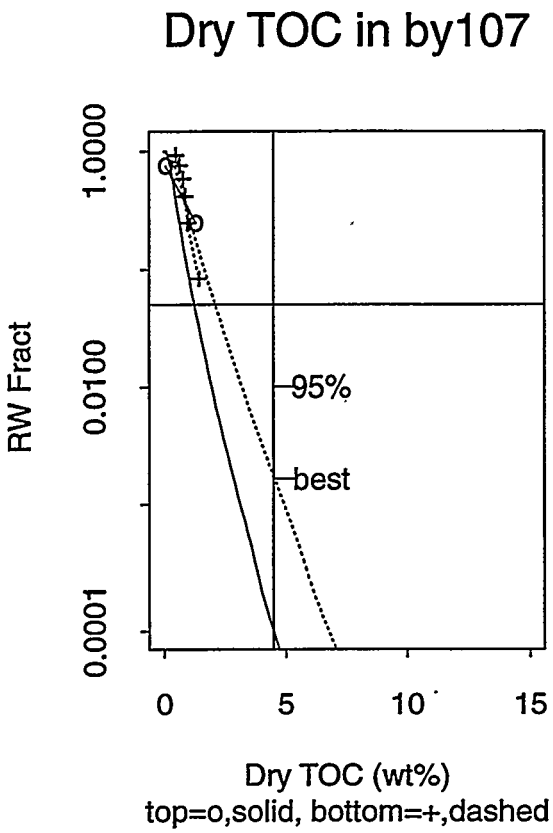

Dry TOC in by102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

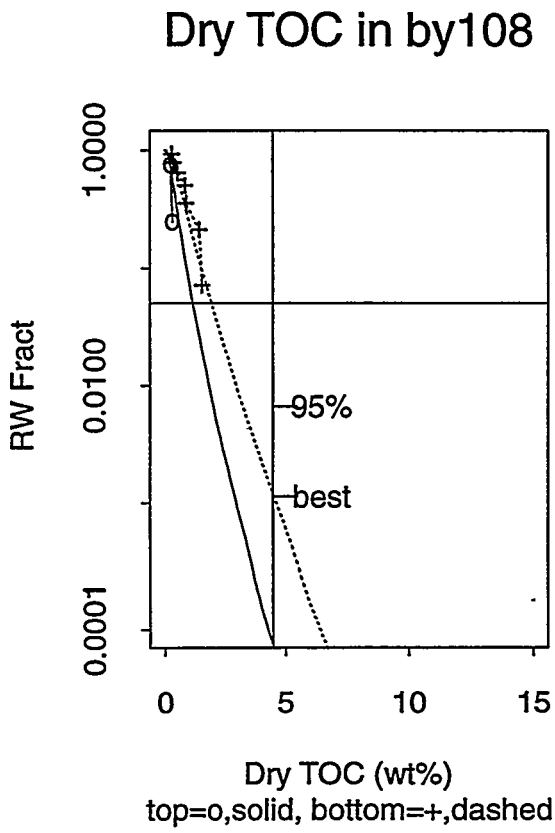

Dry TOC in by103
RW Fract
1.0000
0.0100
0.0001
o
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

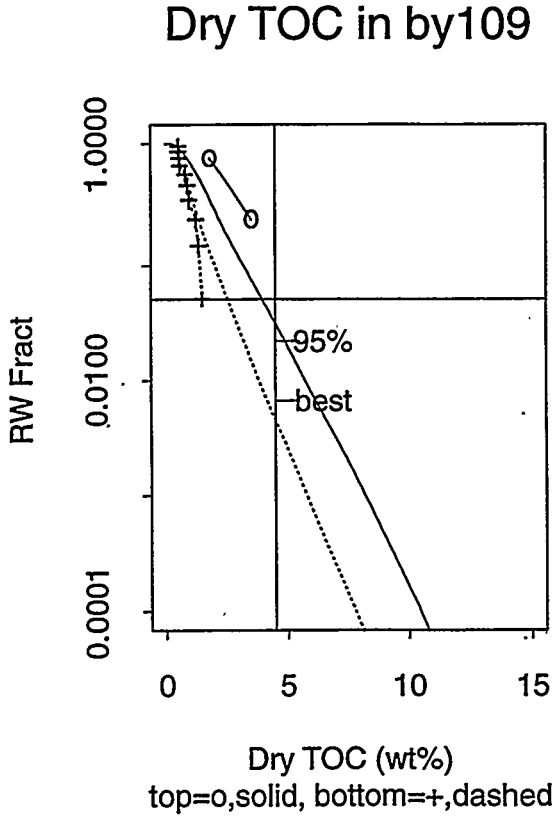

Dry TOC in by104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by105
RW Fract
1.0000
0.0100
0.0001
o
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by106
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by107
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by108
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by109
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0.0100
0.0001
95%
best
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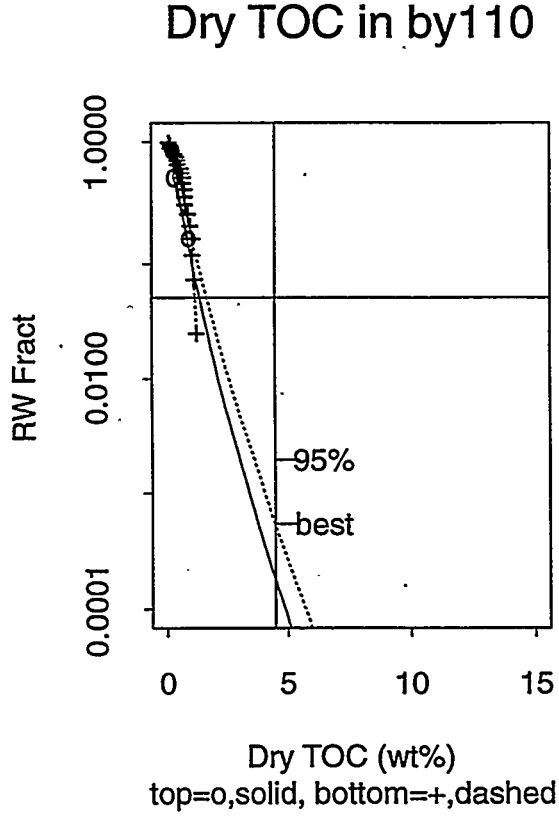
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by110
RW Fract
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0.0100
0.0001
95%
best
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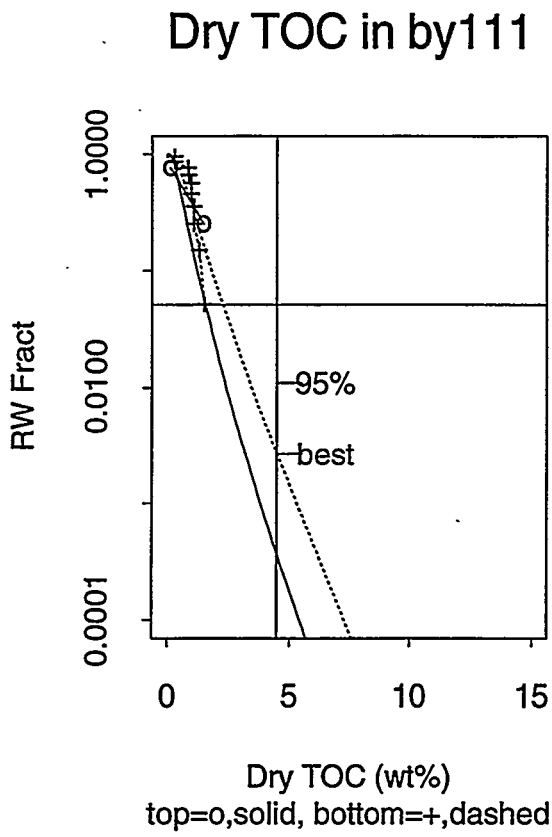
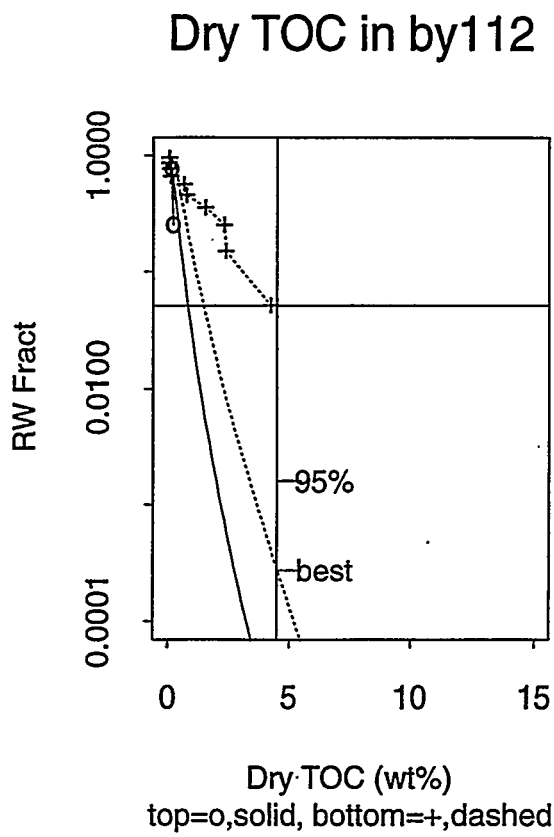
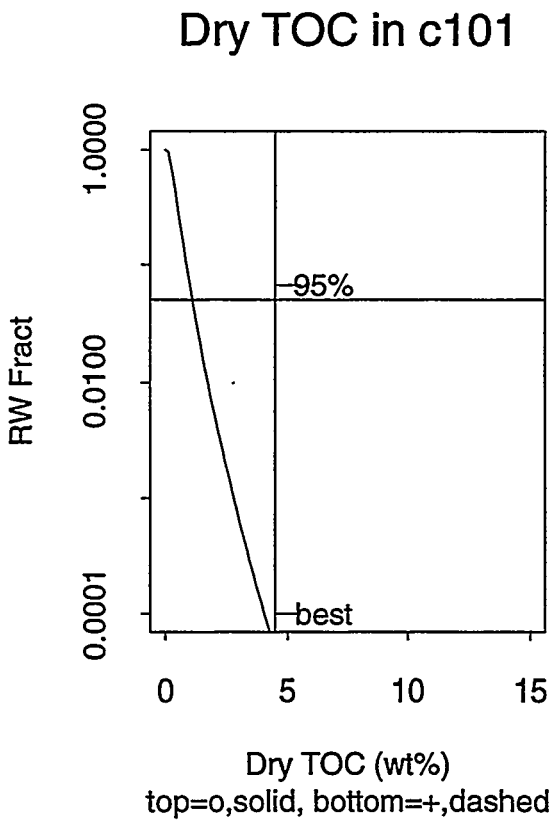
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by111
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in by112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in c101
RW Fract
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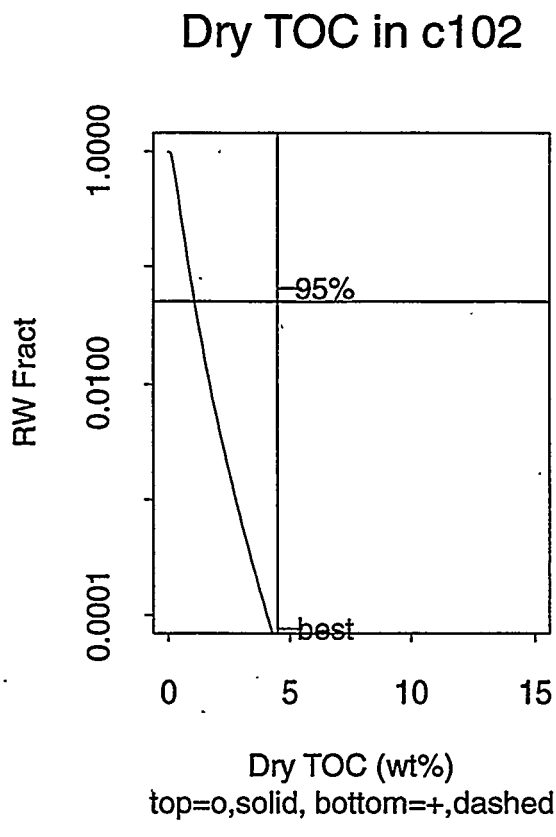
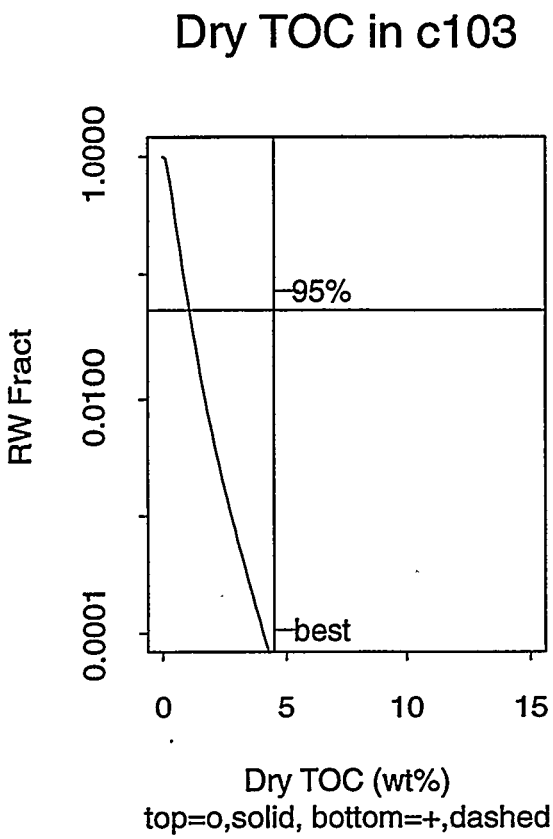
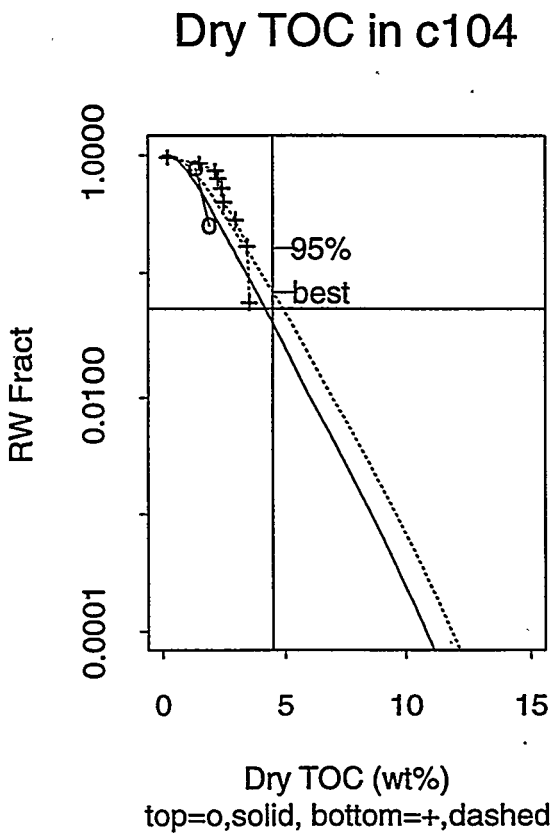
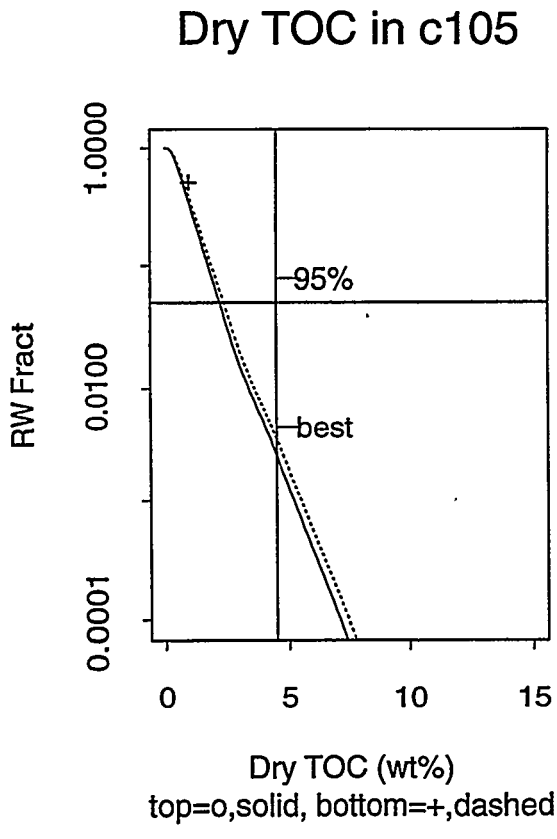
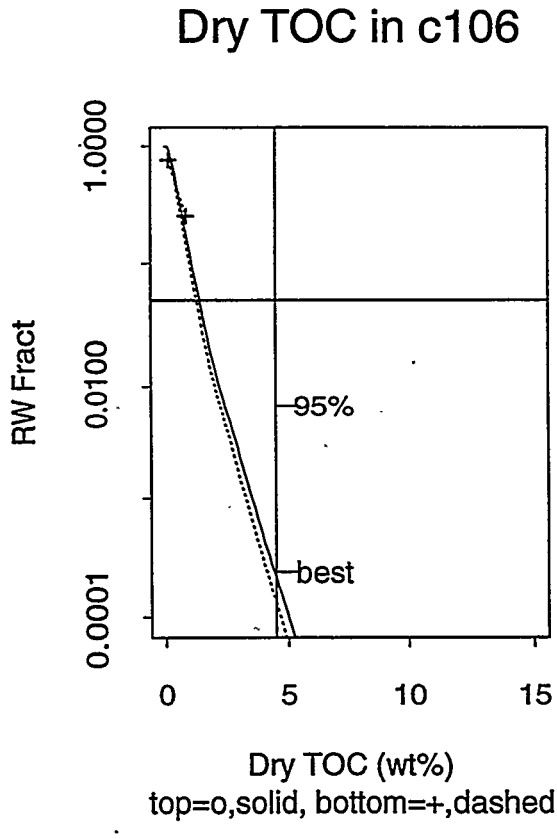
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

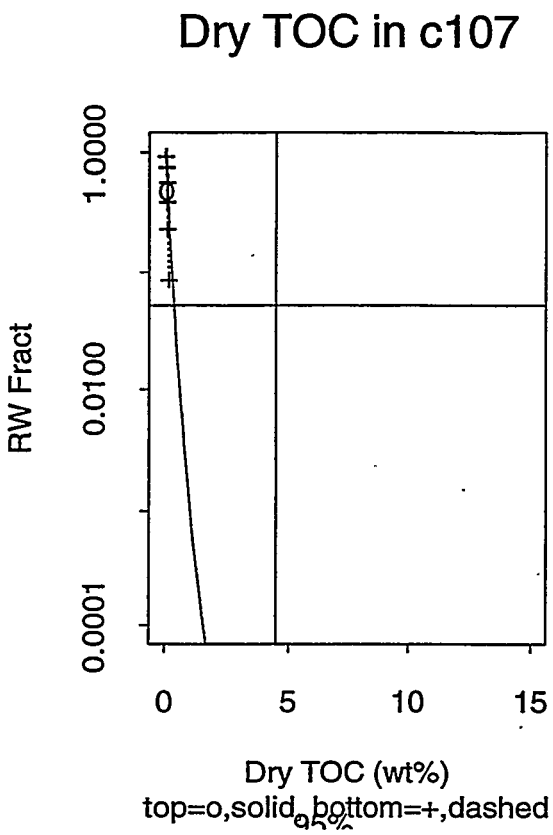

Dry TOC in c102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

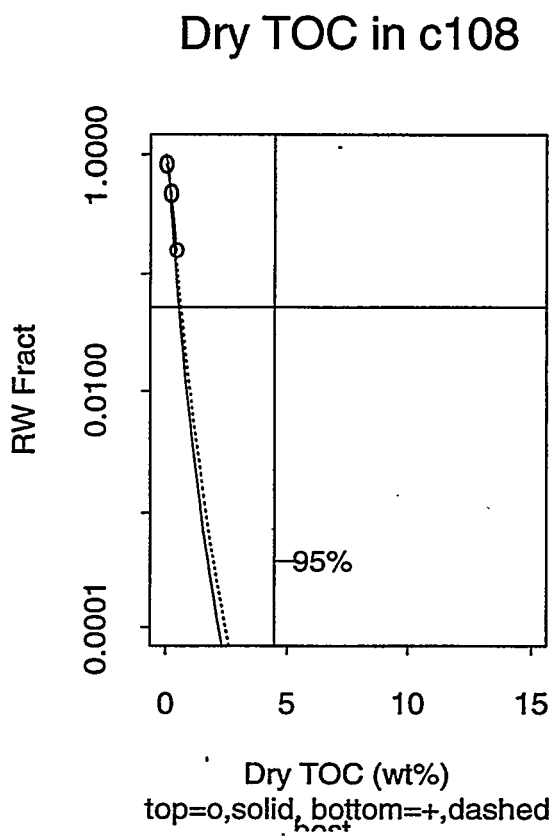

Dry TOC in c103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

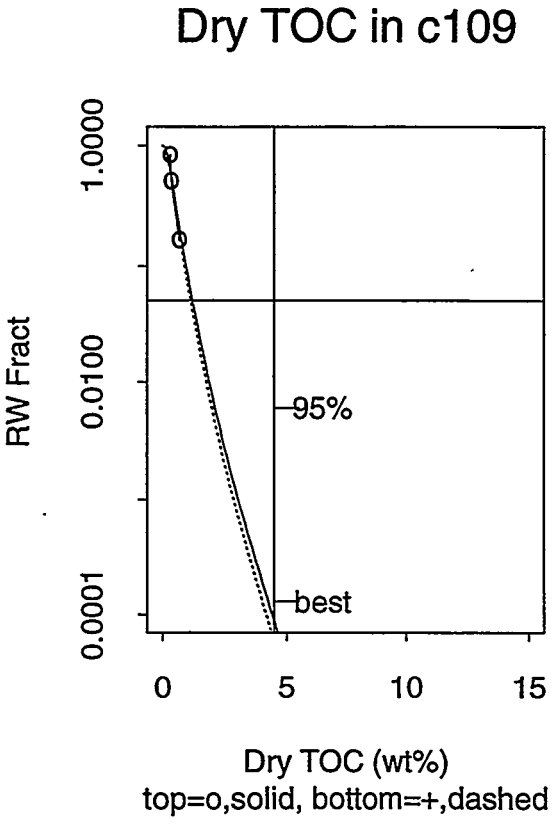

Dry TOC in c104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

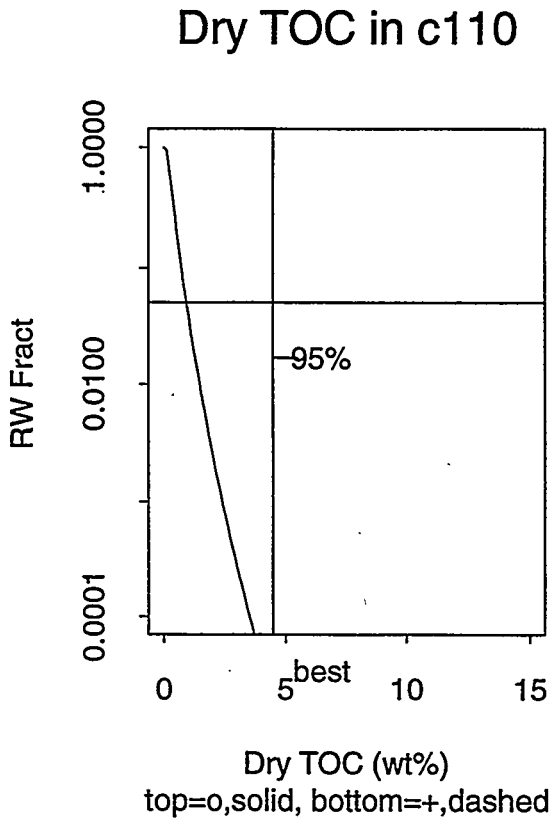

Dry TOC in c105
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

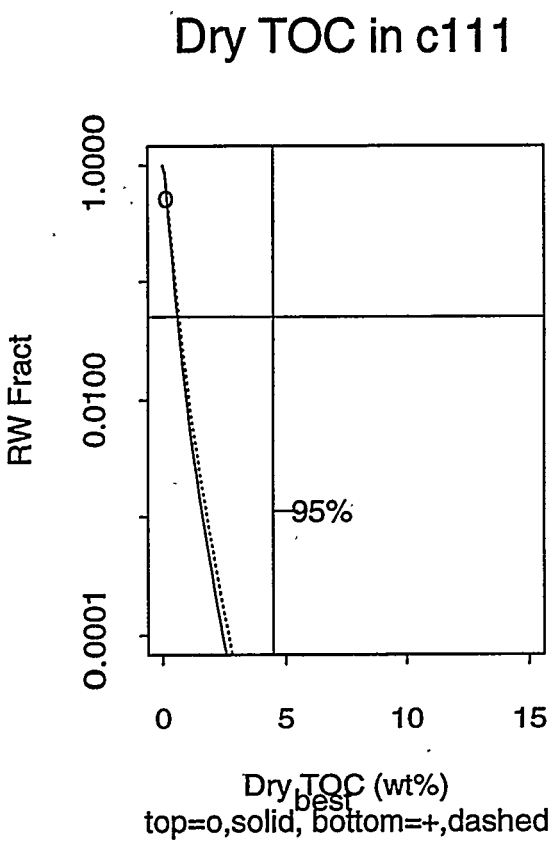

Dry TOC in c106
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

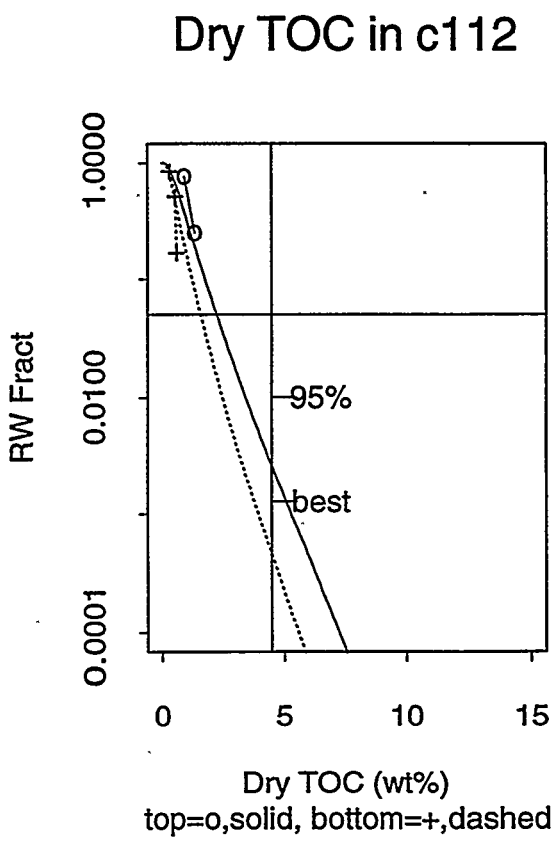

Dry TOC in c107
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

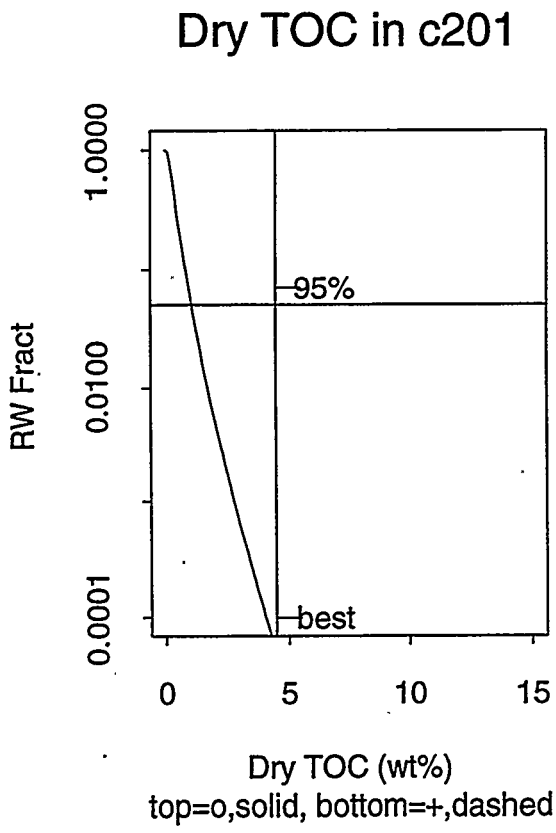

Dry TOC in c108
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

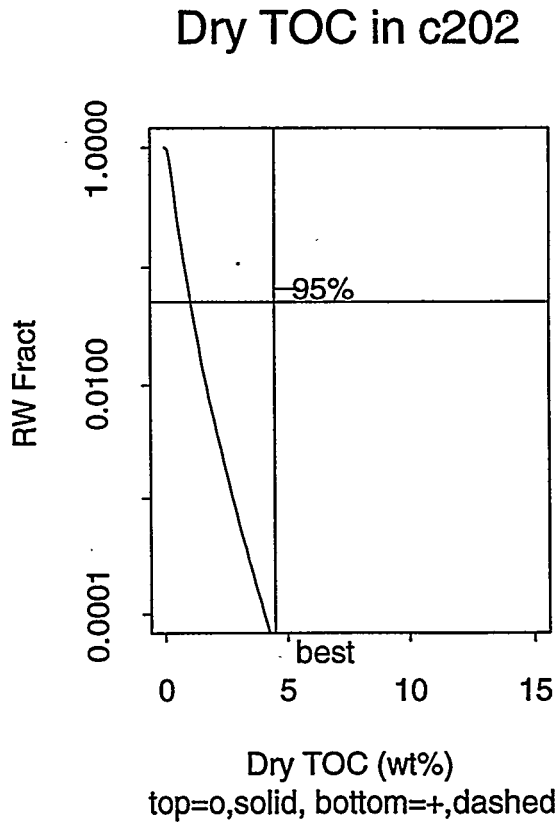

Dry TOC in c109
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

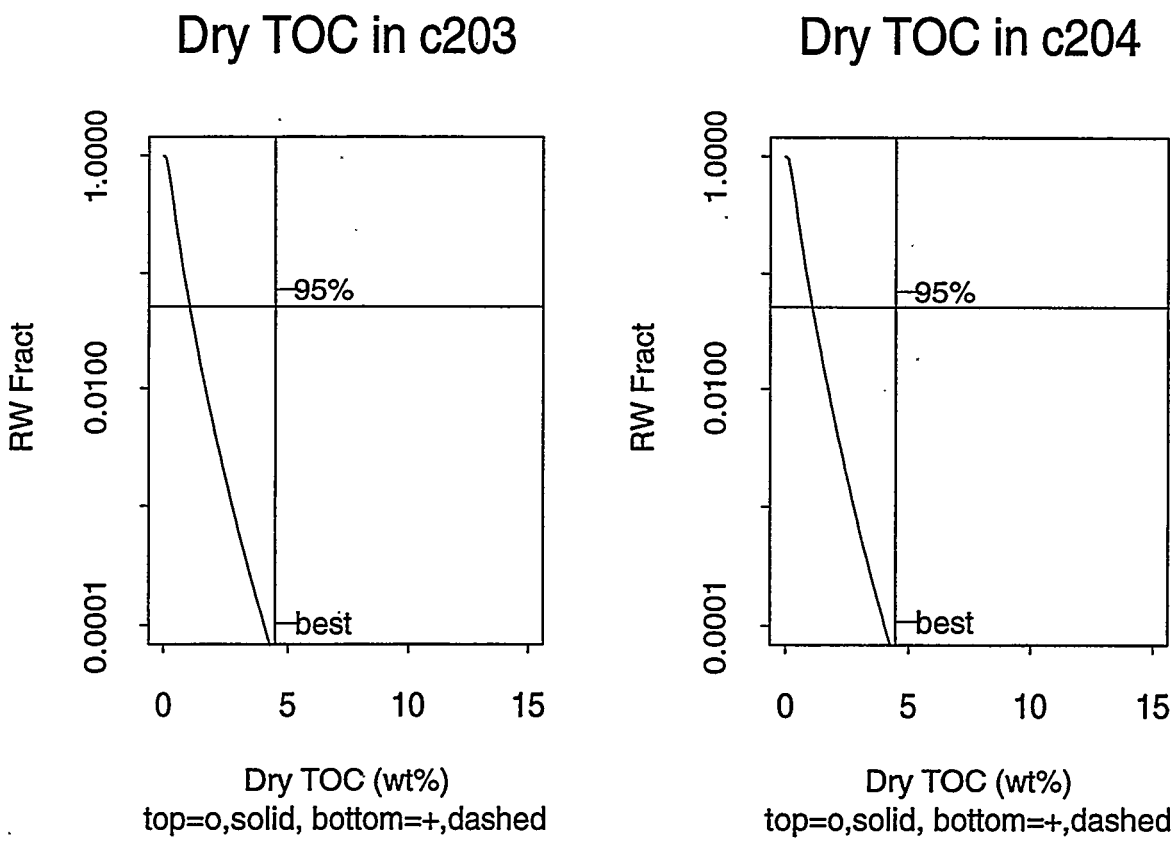

Dry TOC in c110
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in c111
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

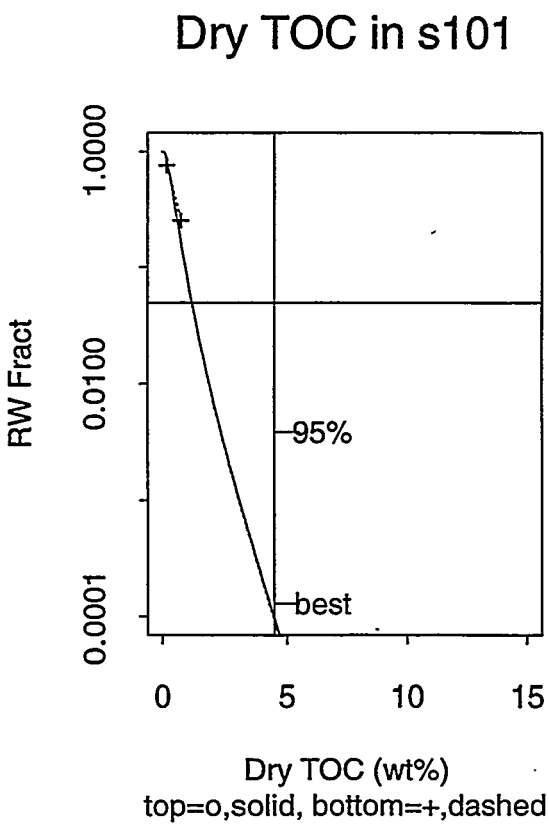

Dry TOC in c112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

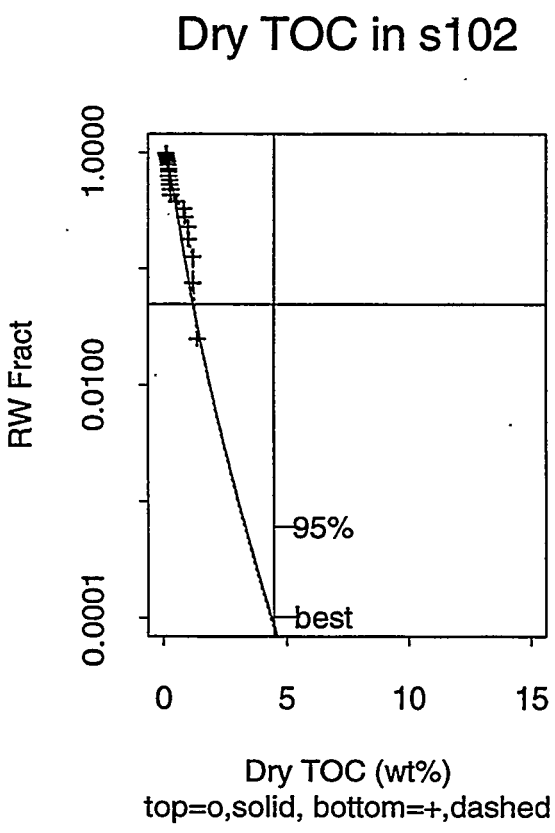

Dry TOC in c201
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

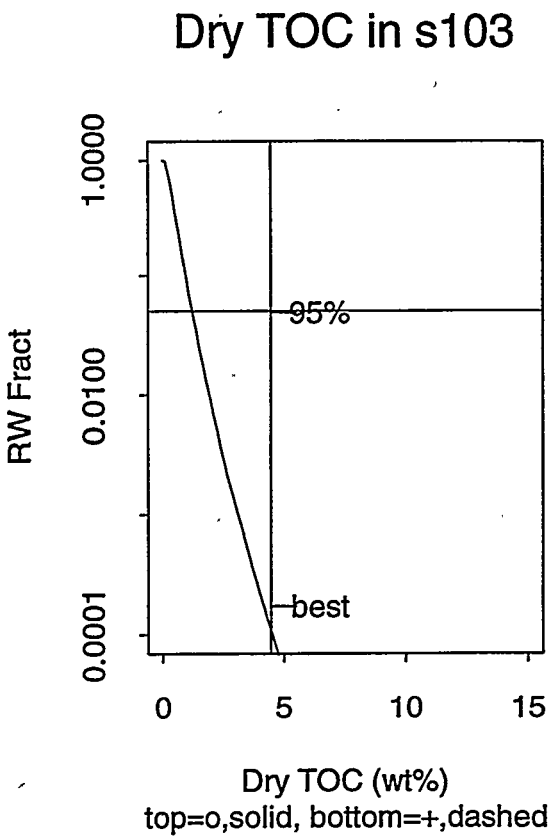

Dry TOC in c202
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

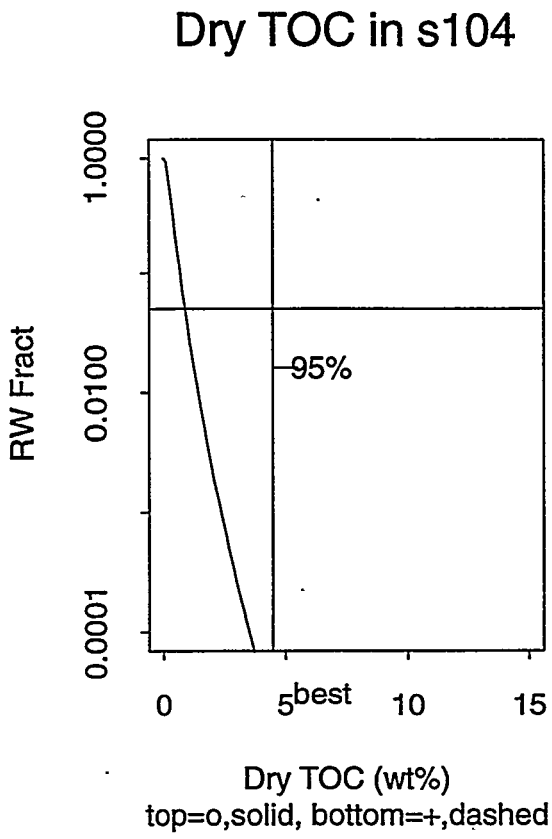

Dry TOC in c203
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

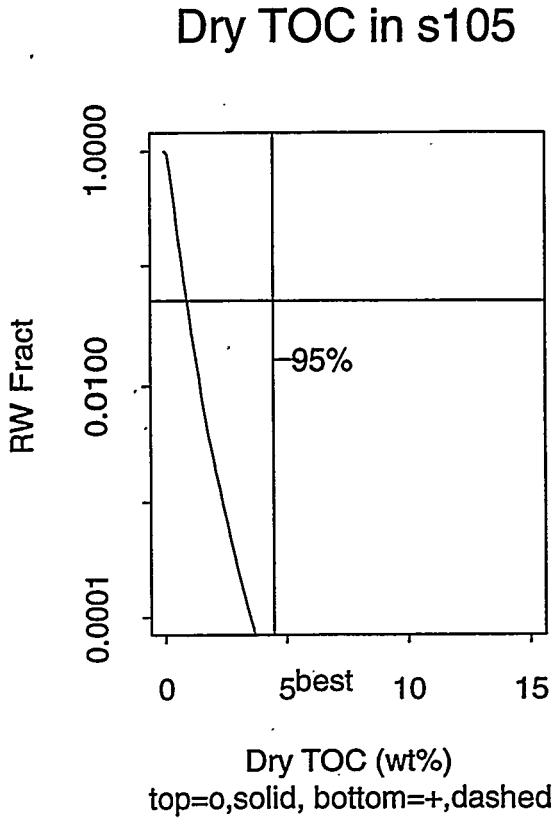
Dry TOC in c204
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

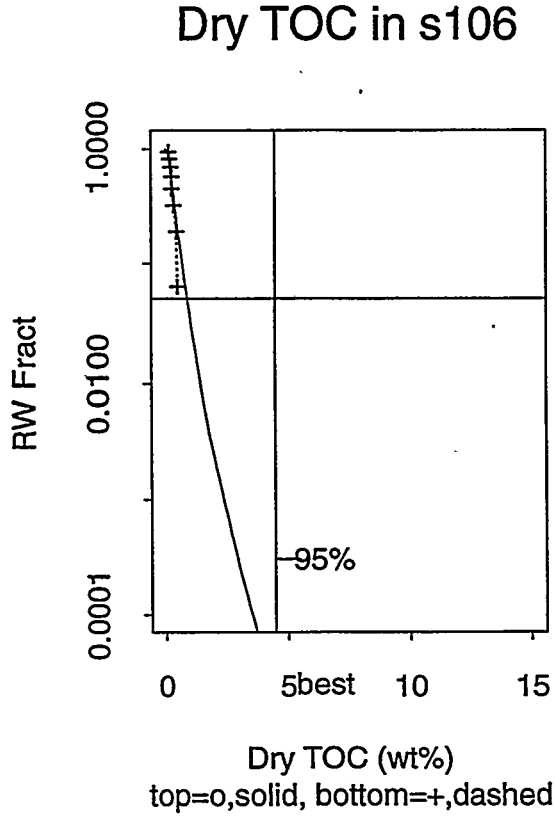

Dry TOC in s101
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

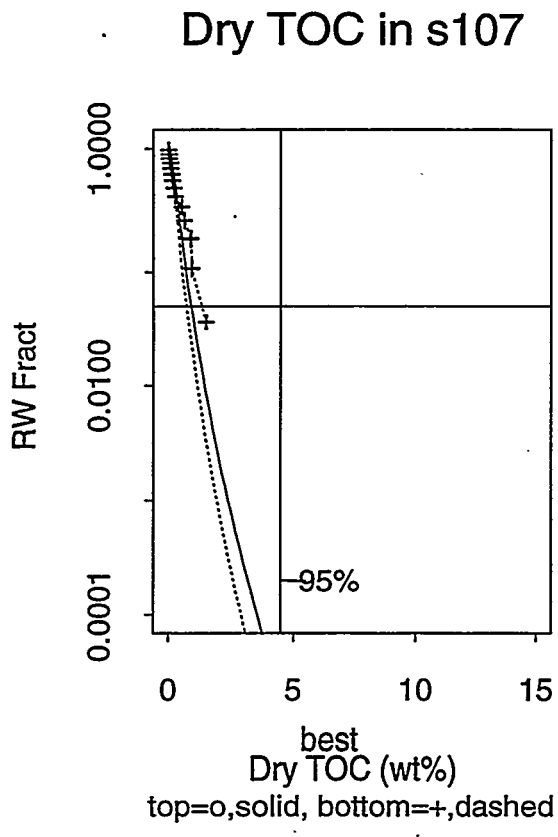

Dry TOC in s102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

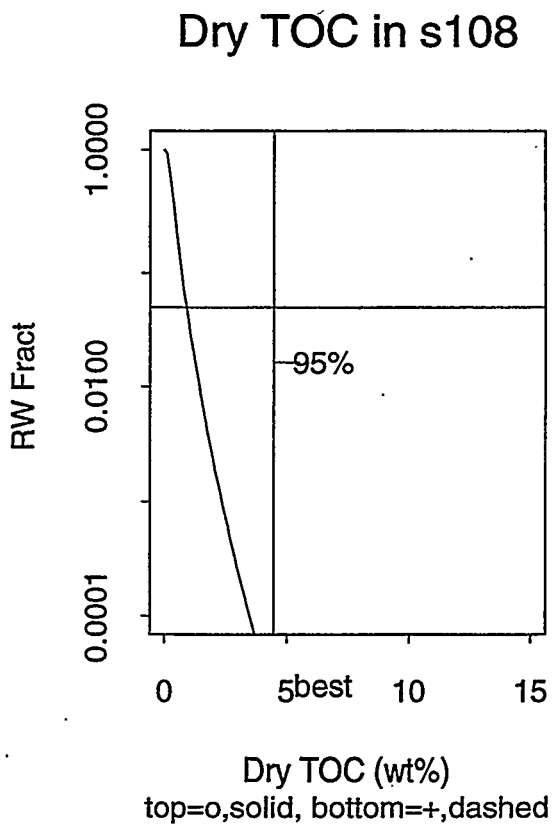

Dry TOC in s103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

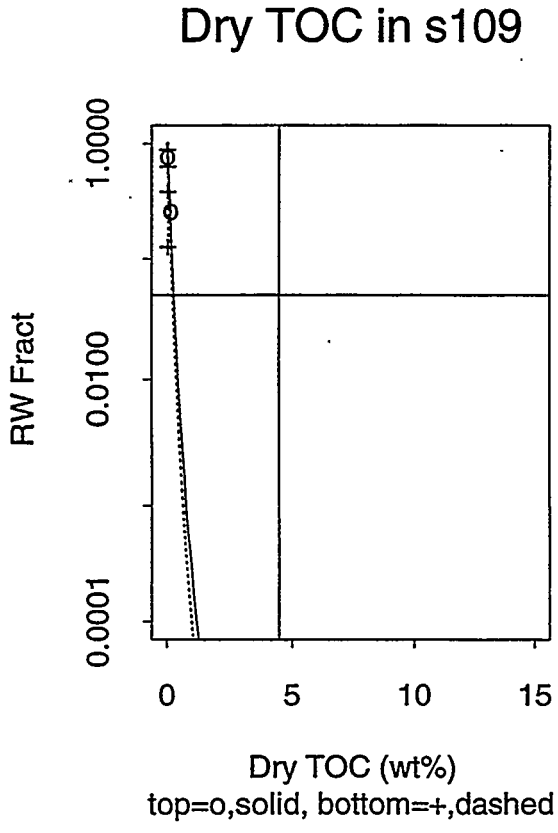

Dry TOC in s104
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

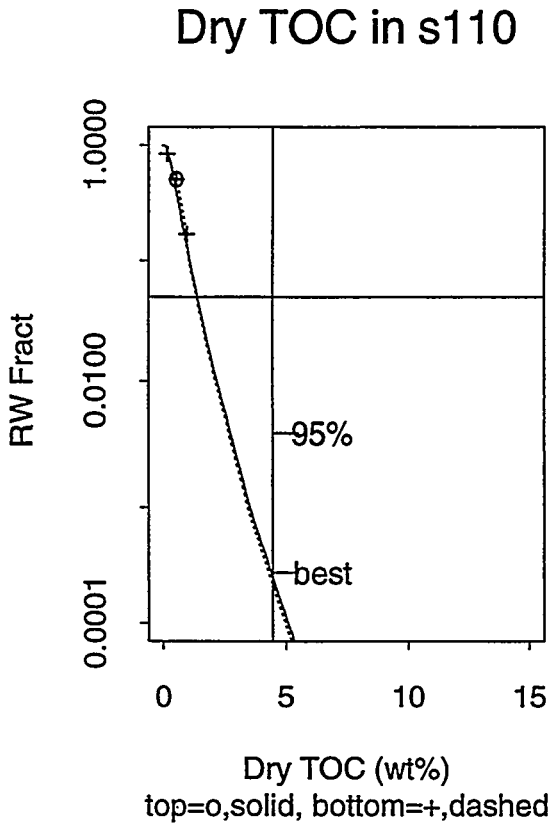

Dry TOC in s105
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

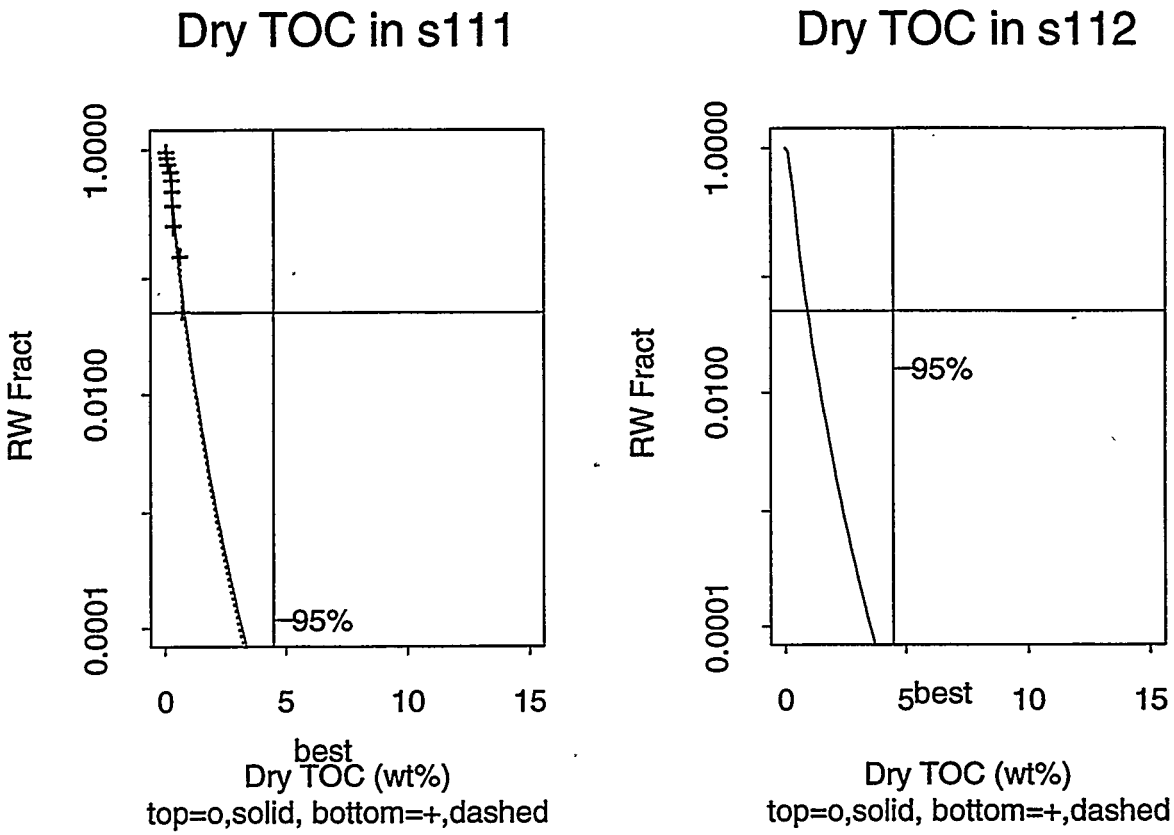

Dry TOC in s106
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

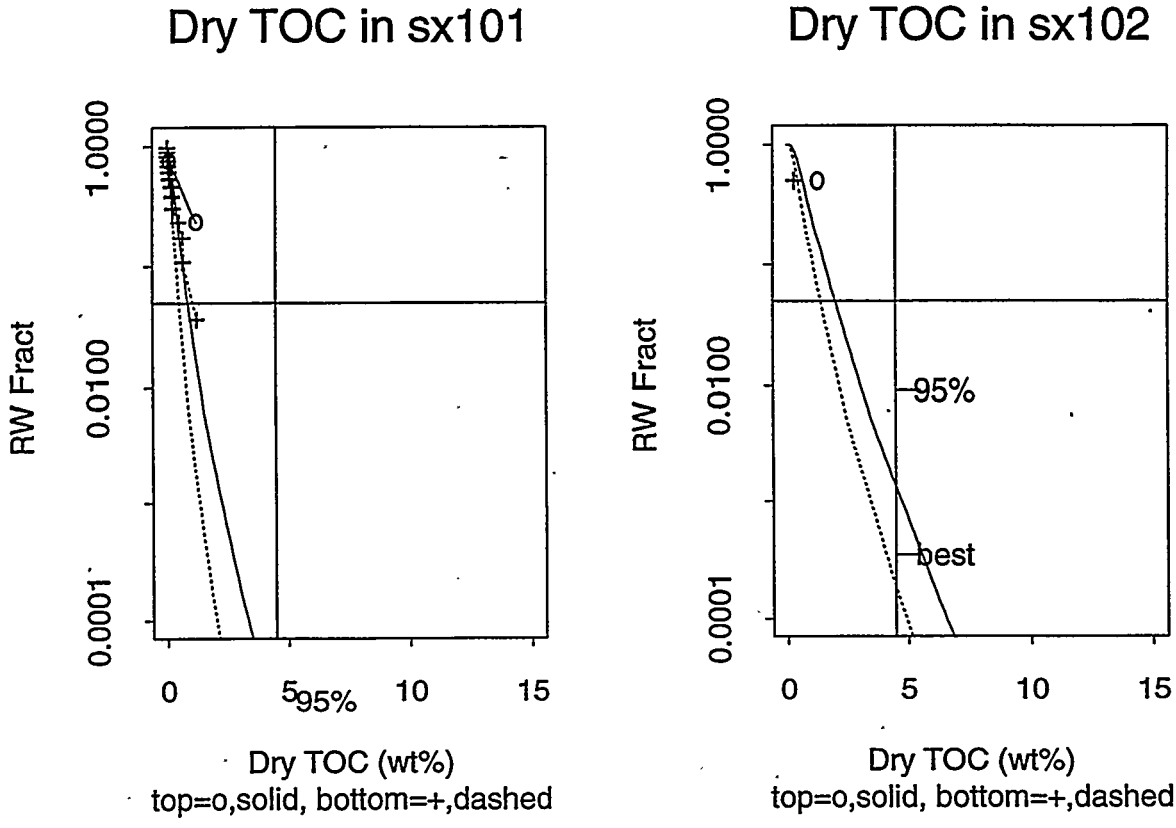

Dry TOC in s107
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
best
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

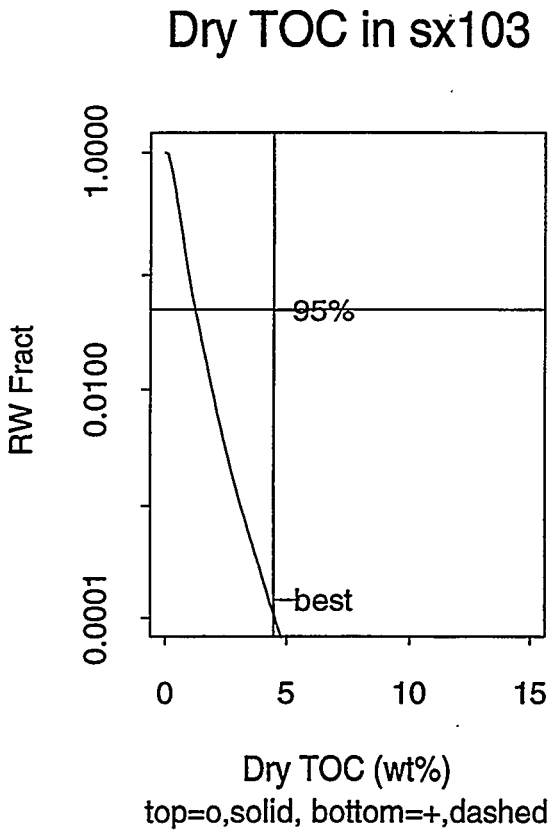

Dry TOC in s108
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

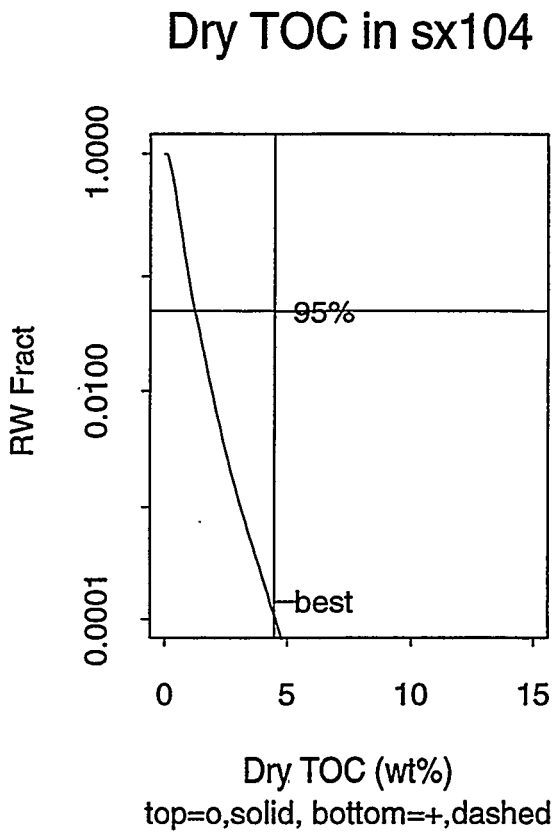

Dry TOC in s109
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

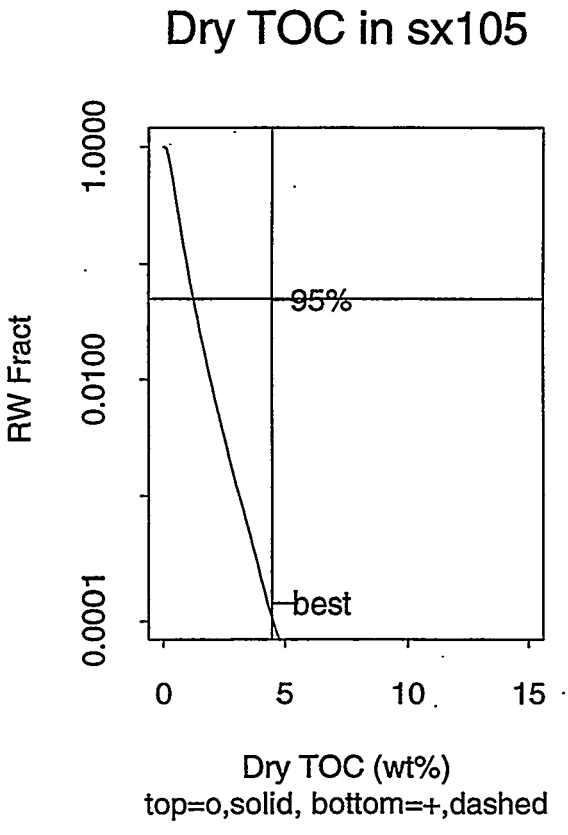

Dry TOC in s110
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

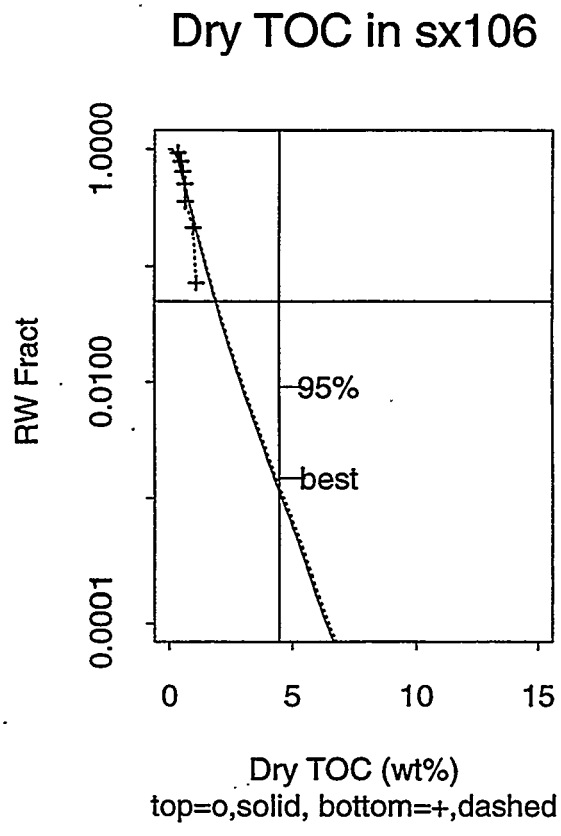

Dry TOC in s111
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
best
Dry TOC (wt%)
top=o,solid, bottom=+,dashed
Dry TOC in s112
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

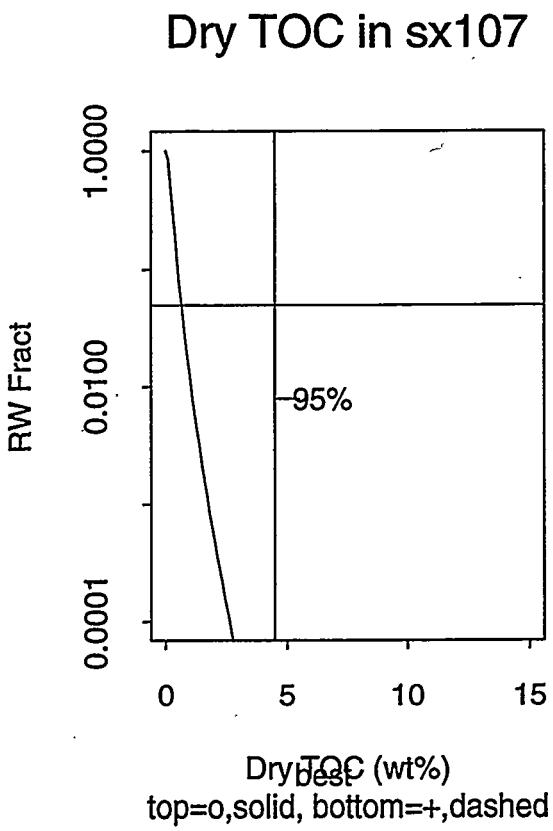

Dry TOC in sx101
RW Fract
1.0000
0.0100
0.0001
o
+
0
5 95%
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed
Dry TOC in sx102
RW Fract
1.0000
0.0100
0.0001
o
+
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

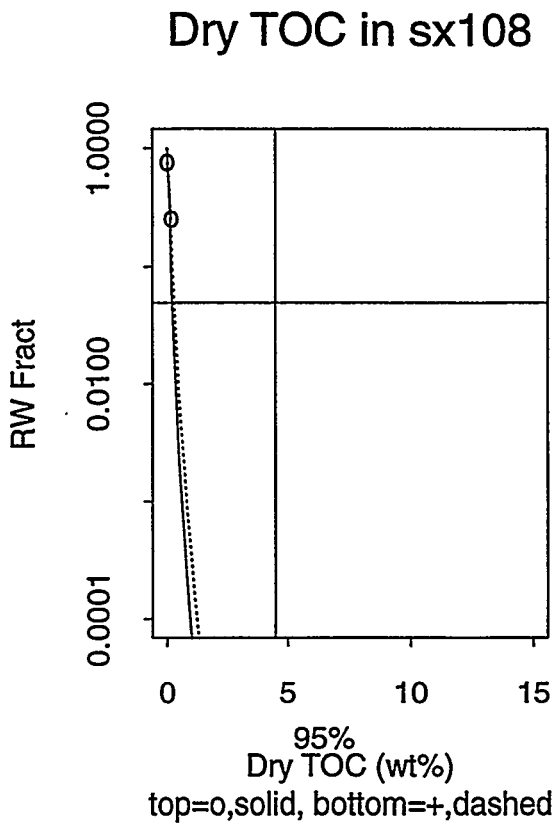

Dry TOC in sx103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

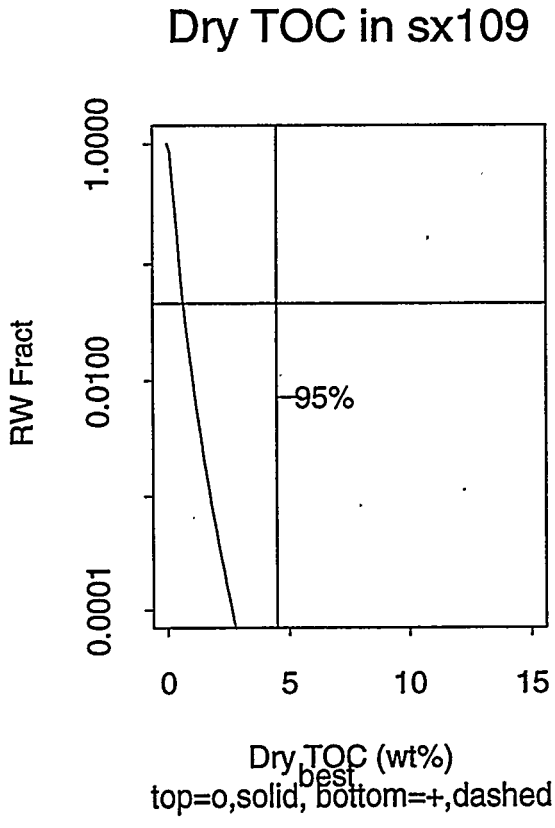

Dry TOC in sx104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

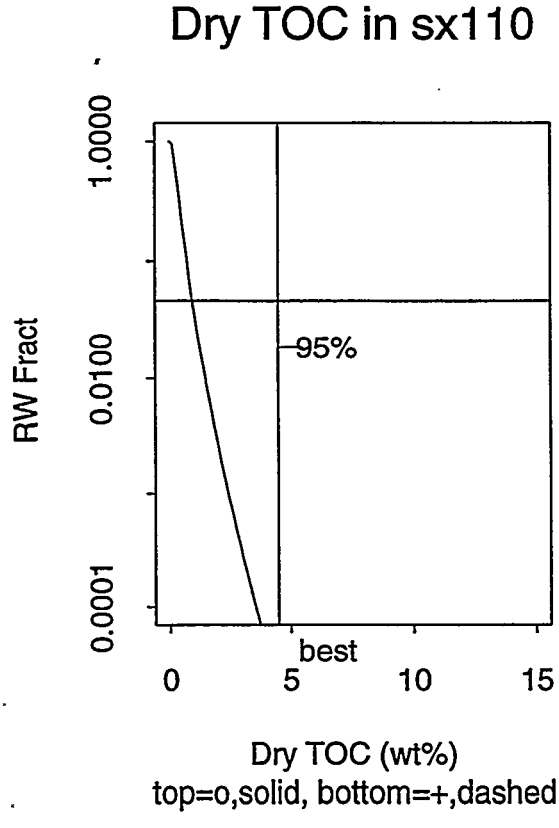

Dry TOC in sx105
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

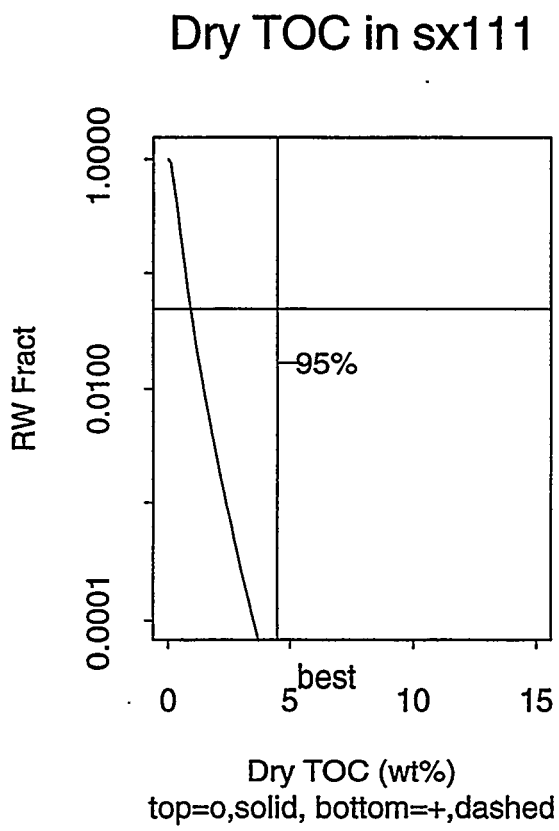

Dry TOC in sx106
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

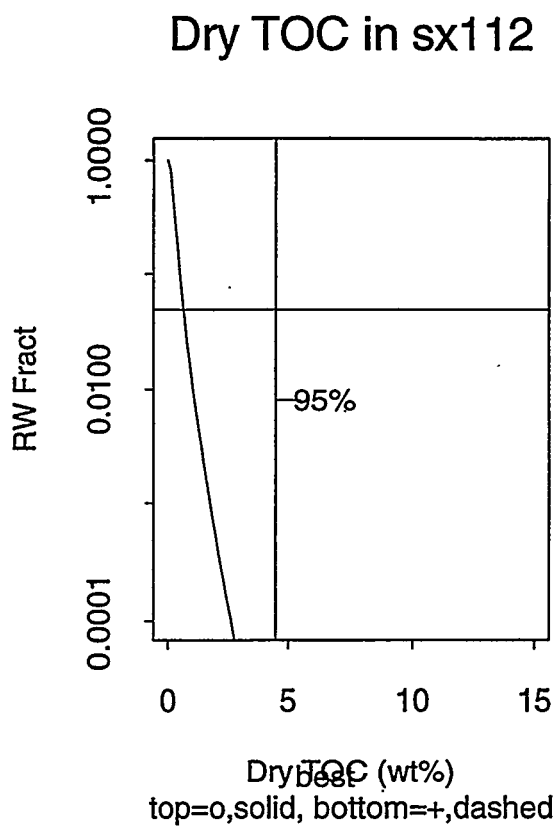

Dry TOC in sx107
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
best
top=o,solid, bottom=+,dashed

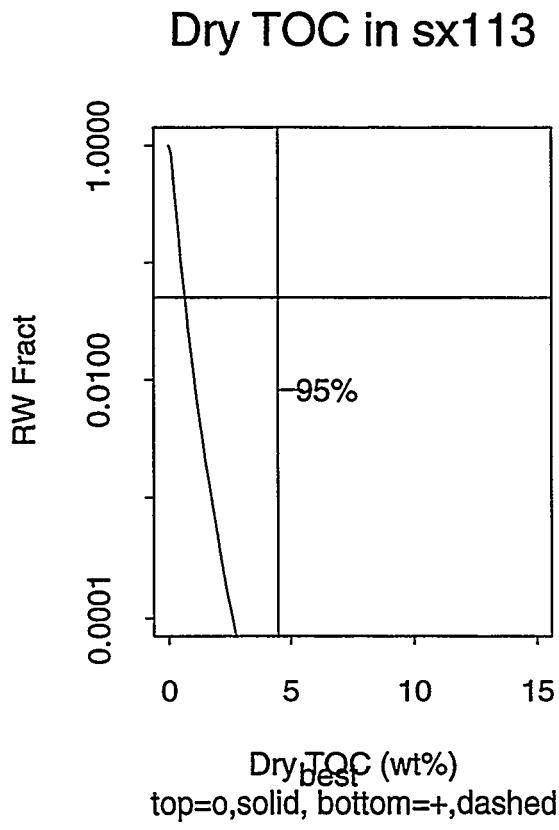

Dry TOC in sx108
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
95%
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

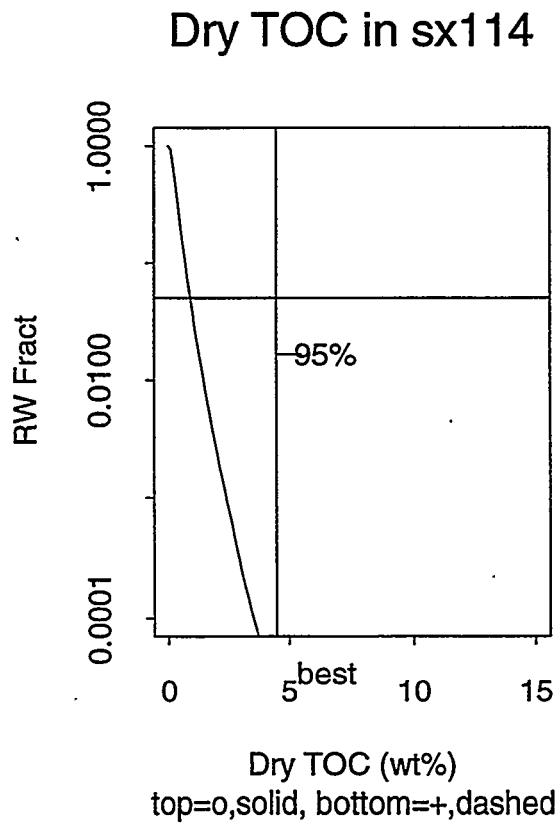

Dry TOC in sx109
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
best
top=o,solid, bottom=+,dashed

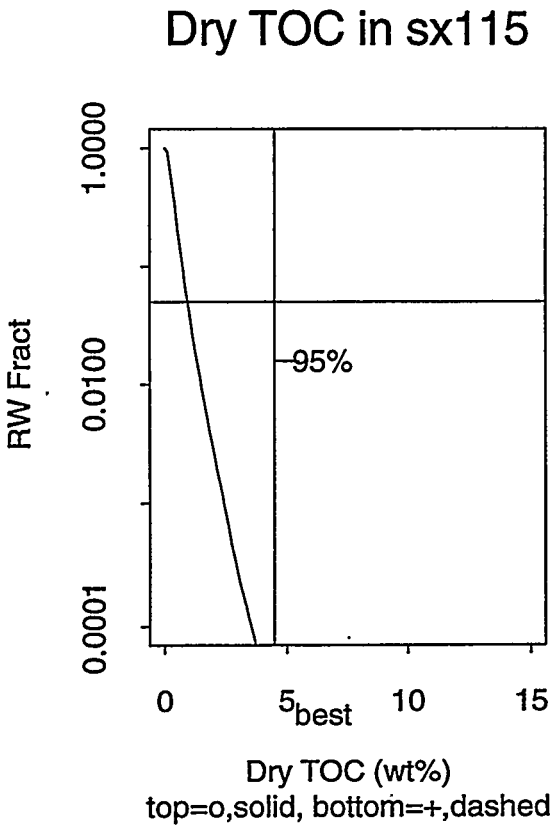

Dry TOC in sx110
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

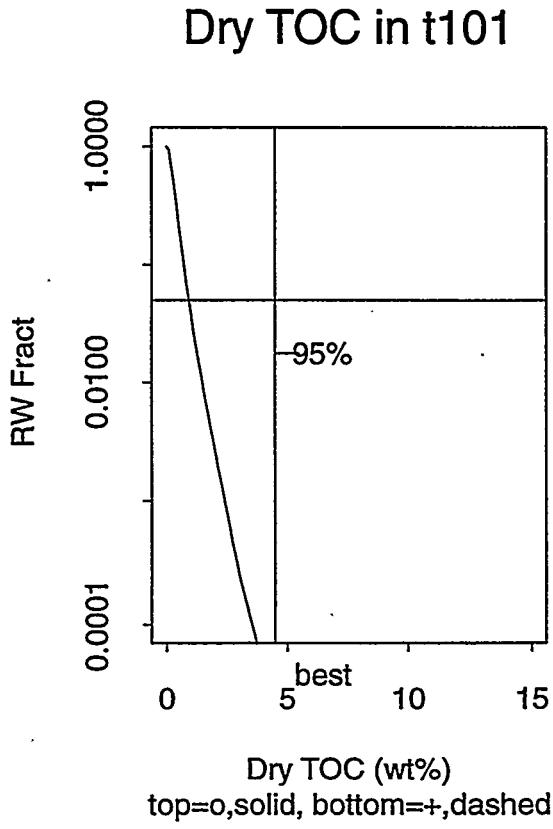

Dry TOC in sx111
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

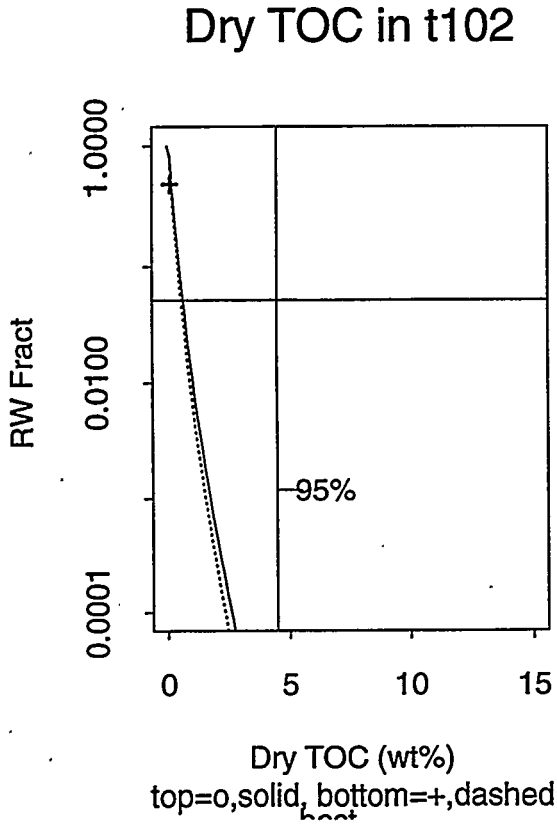

Dry TOC in sx112
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

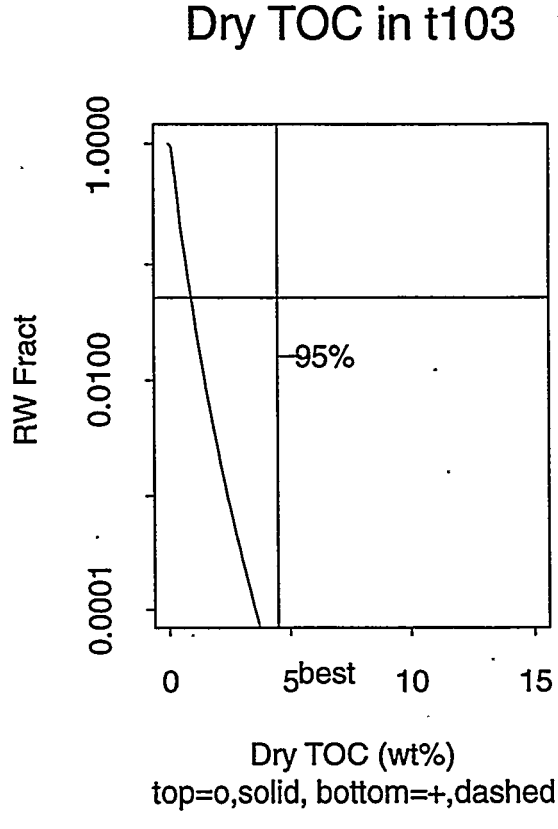

Dry TOC in sx113
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

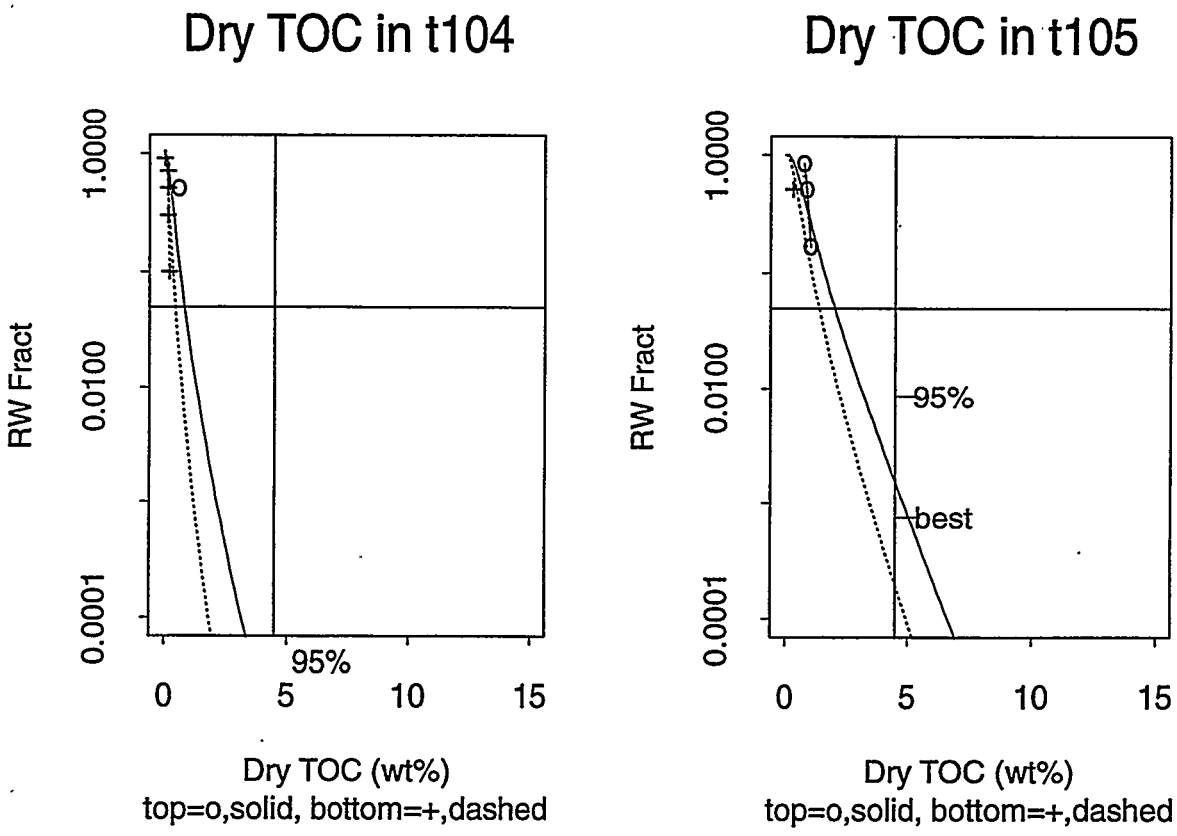

Dry TOC in sx114
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in sx115
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

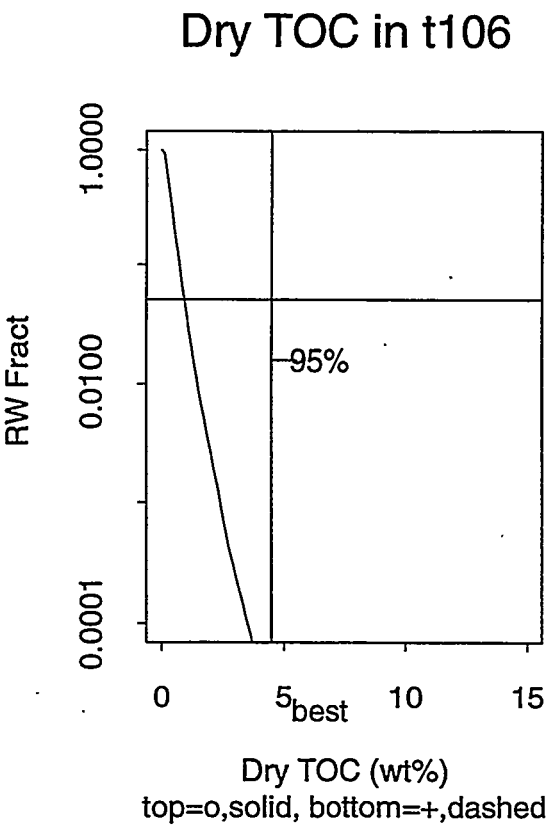

Dry TOC in t101
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

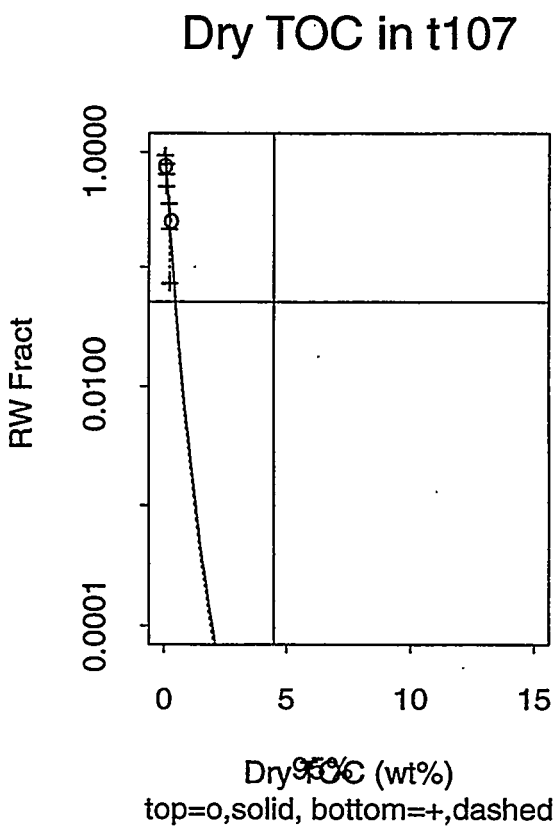

Dry TOC in t102
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

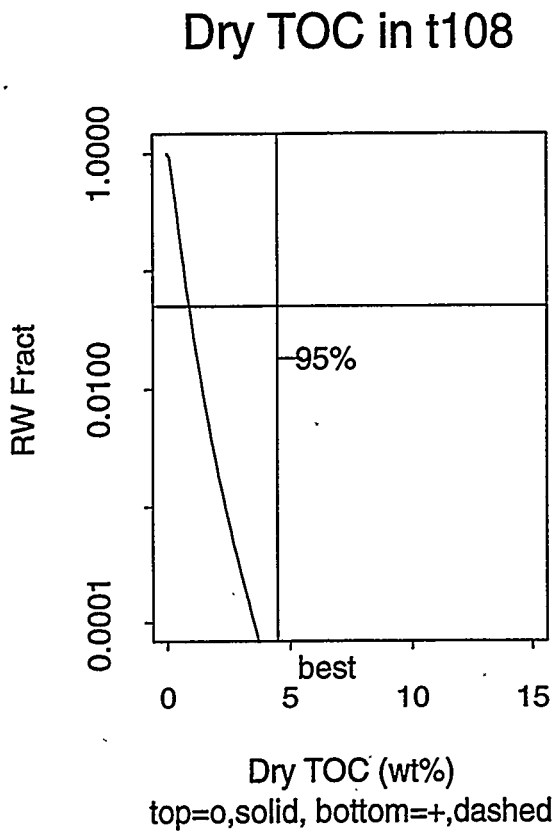

Dry TOC in t103
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

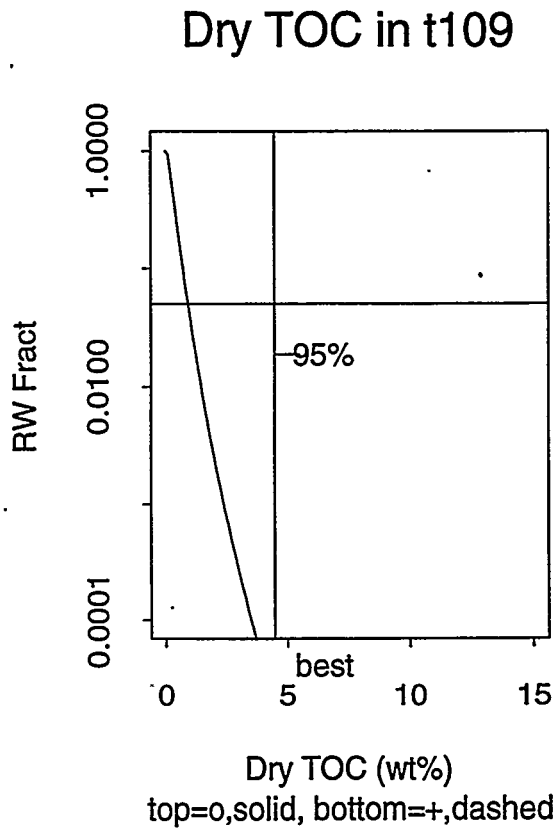

Dry TOC in t104
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

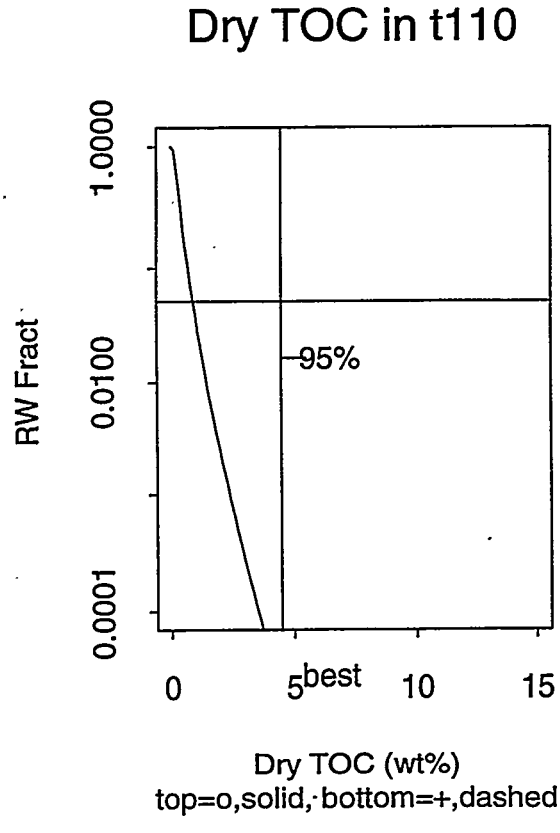
Dry TOC in t105
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

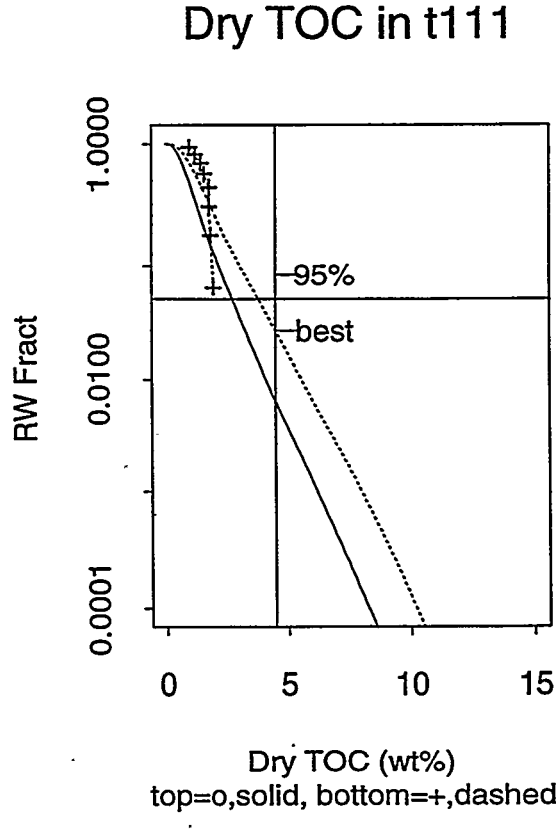

Dry TOC in t106
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

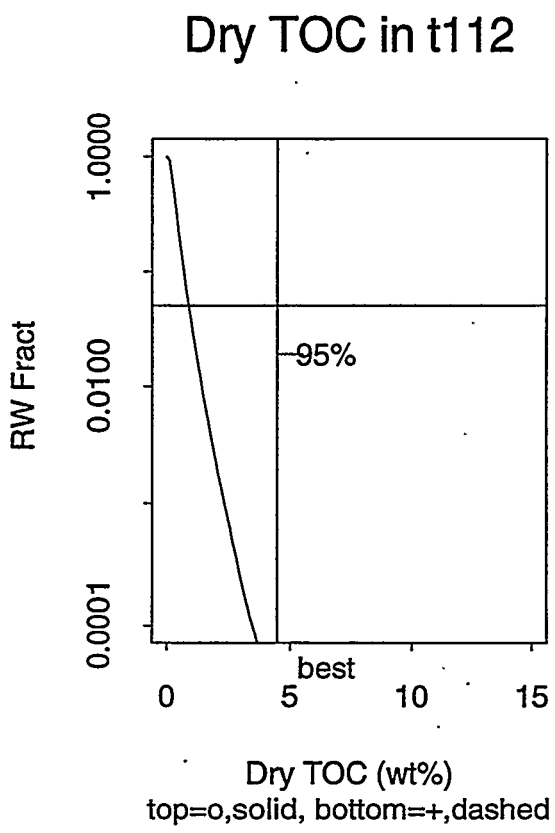

Dry TOC in t107
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

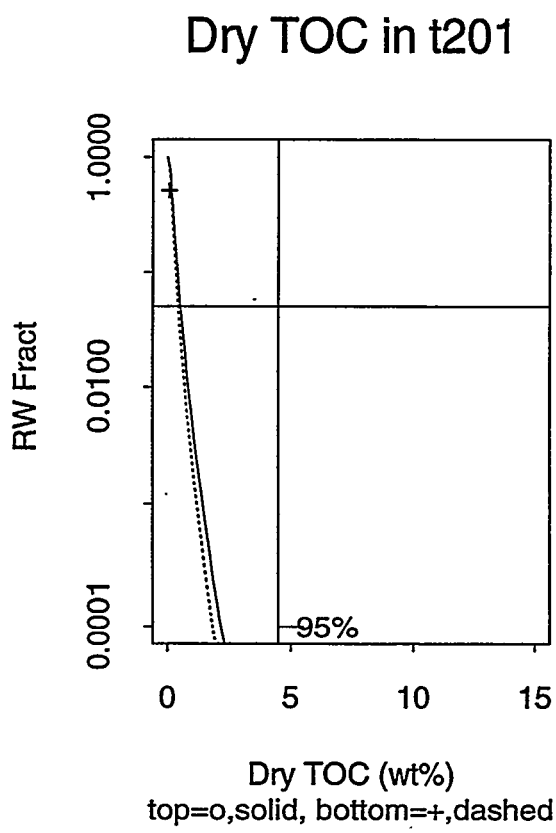

Dry TOC in t108
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

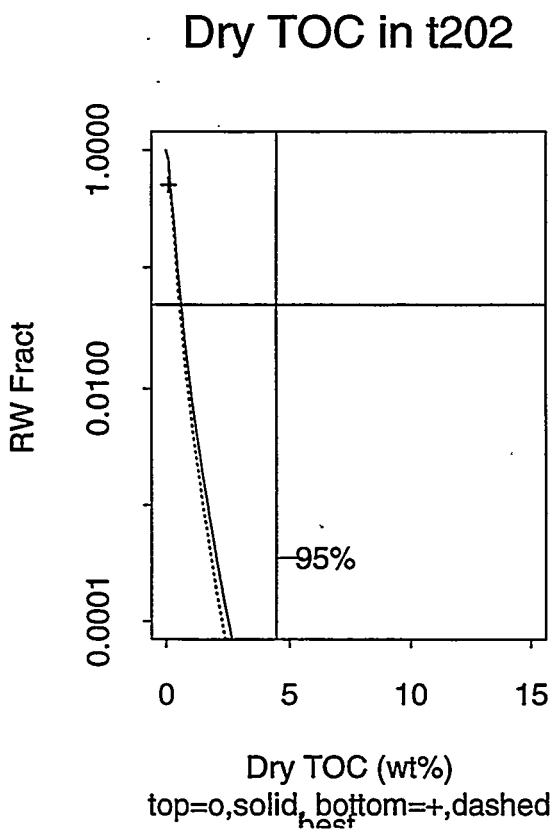

Dry TOC in t109
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

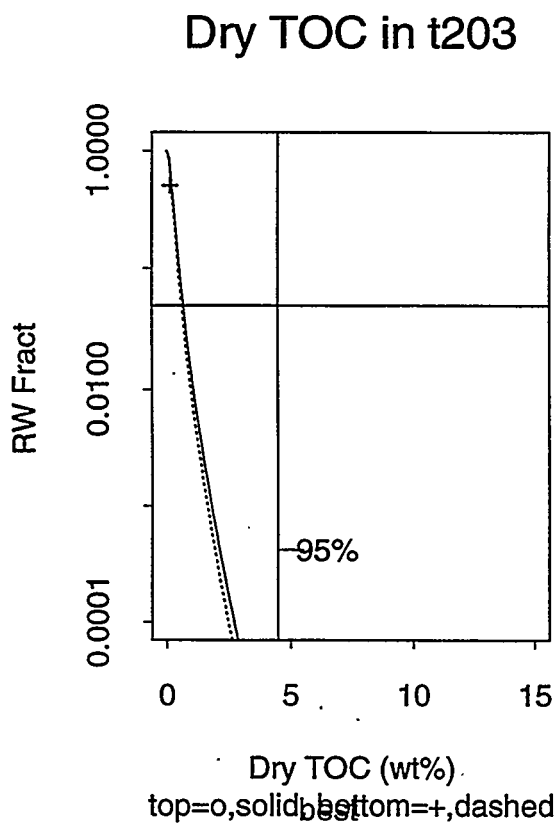

Dry TOC in t110
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in t111
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

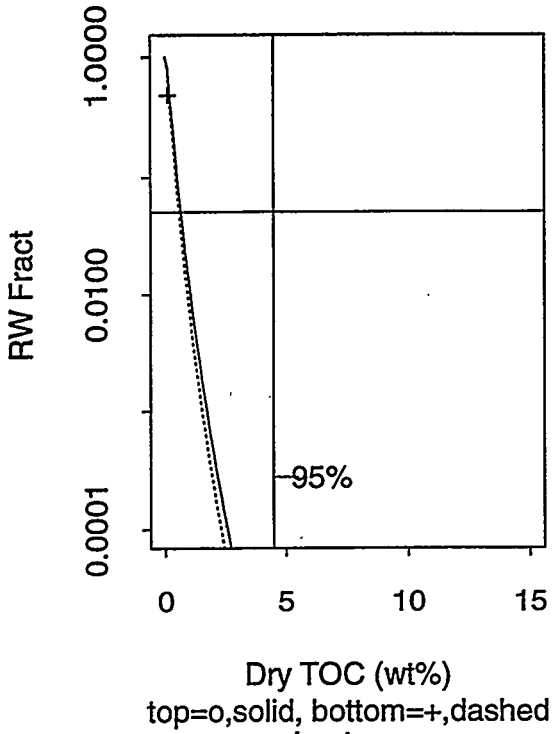

Dry TOC in t112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in t201
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

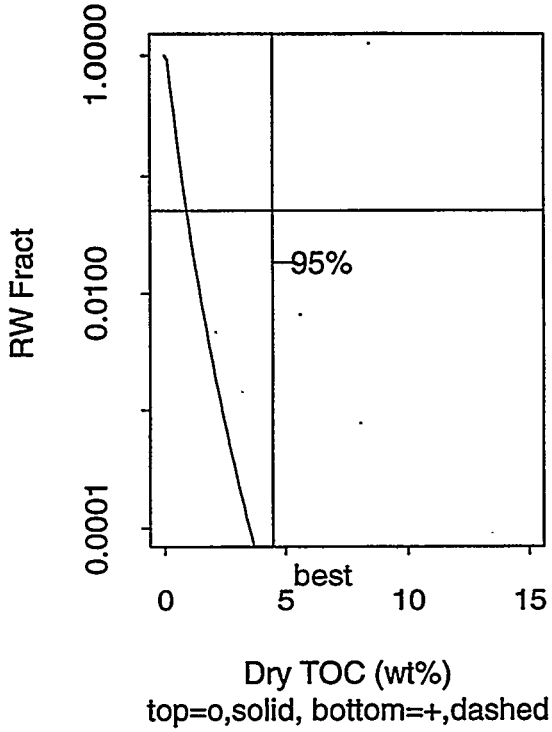

Dry TOC in t202
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in t203
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

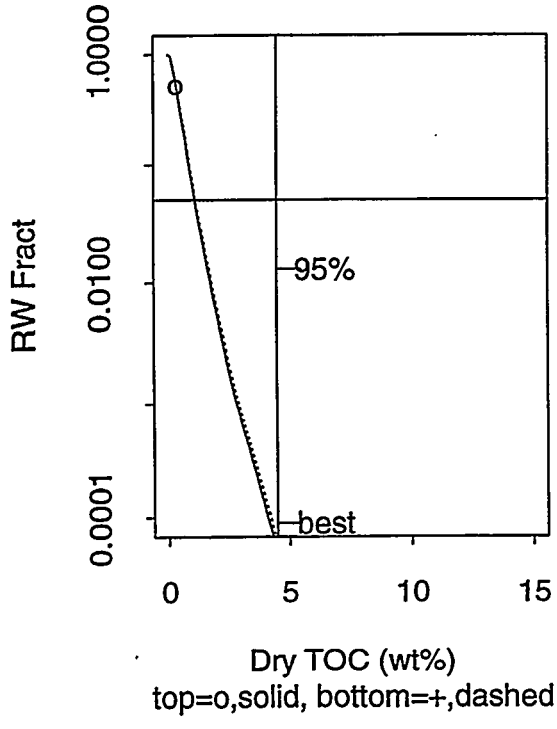
Dry TOC in t204



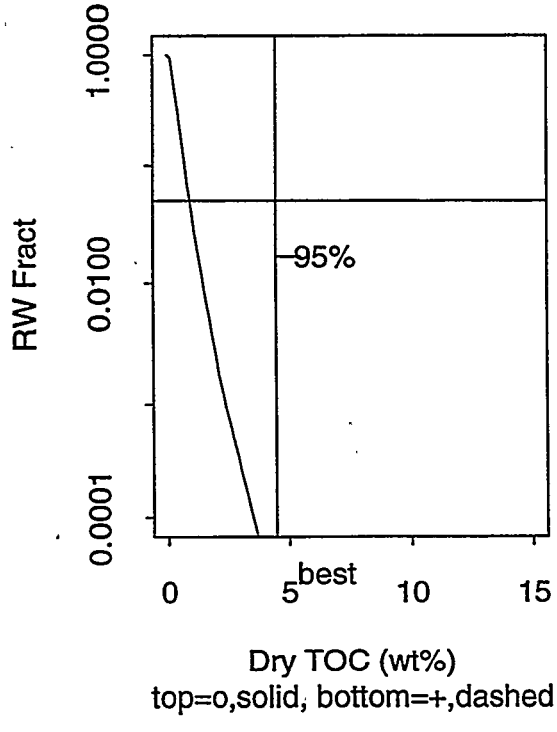
Dry TOC in tx101

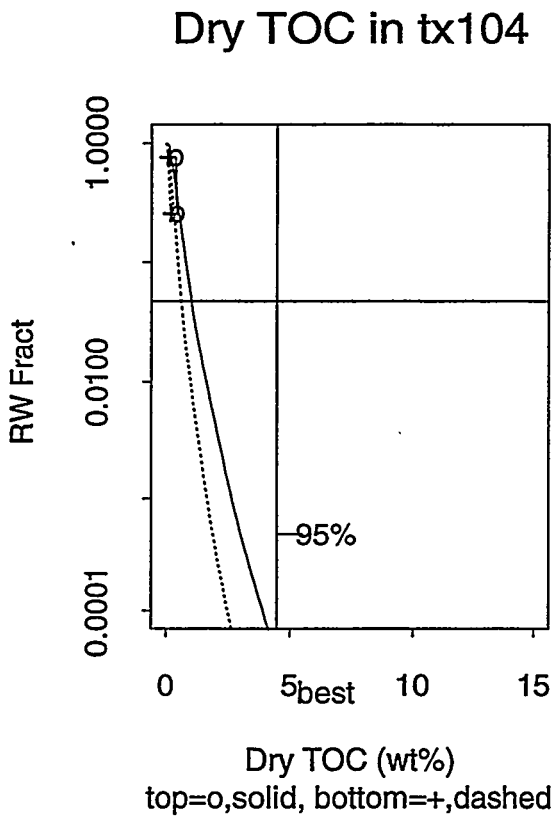


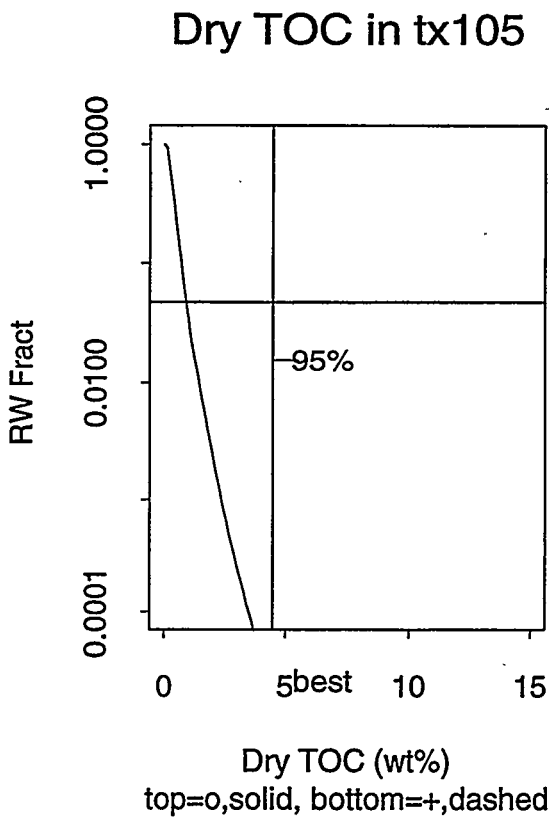
Dry TOC in tx102

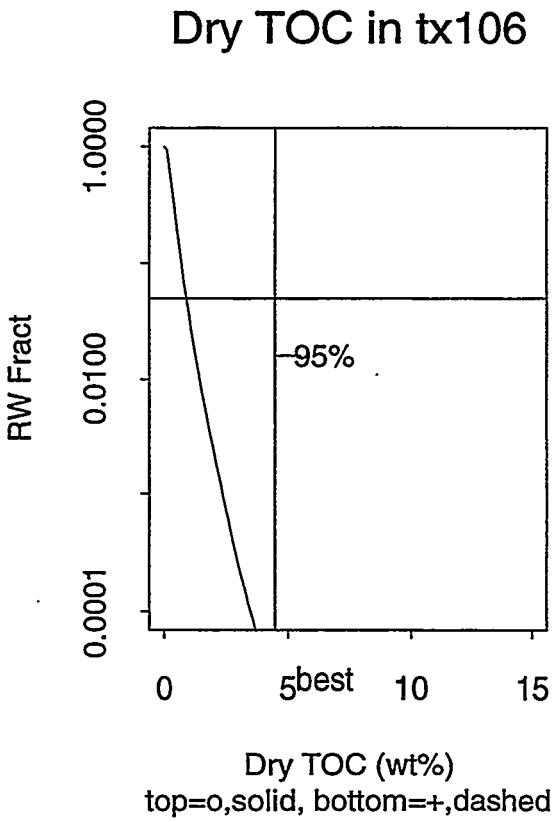


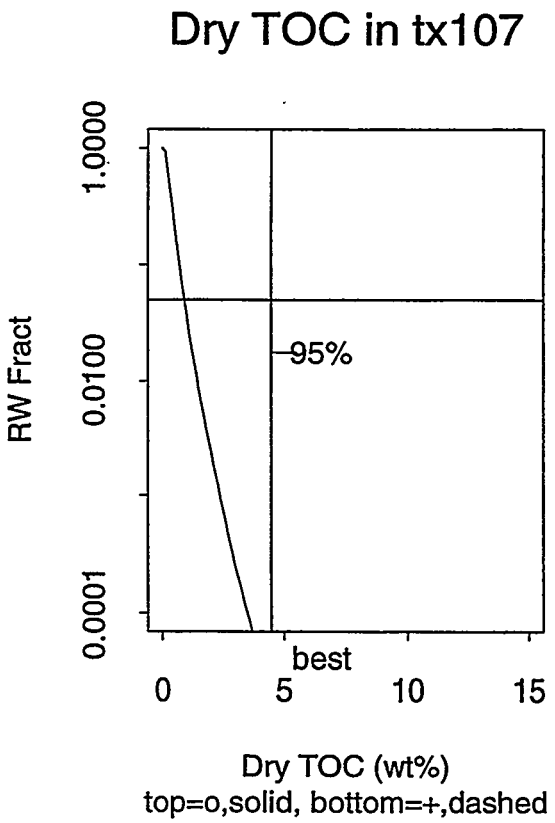
Dry TOC in tx103

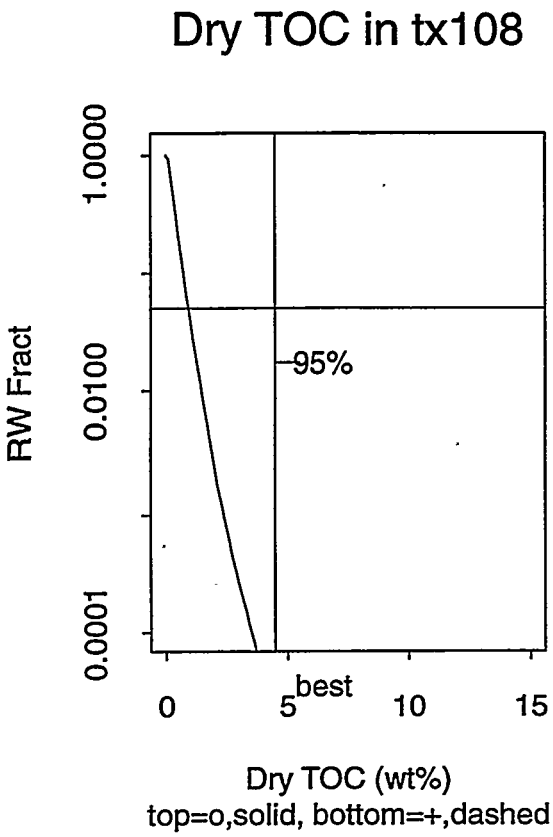


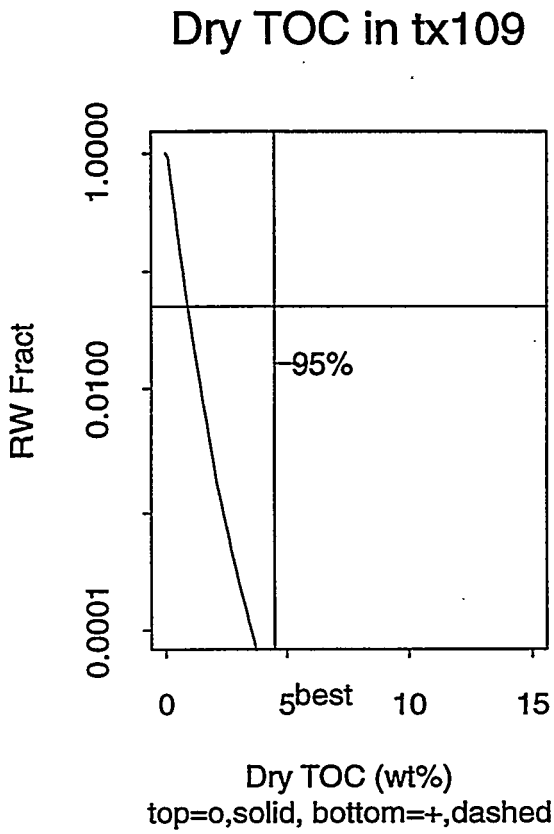

Dry TOC in tx104
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

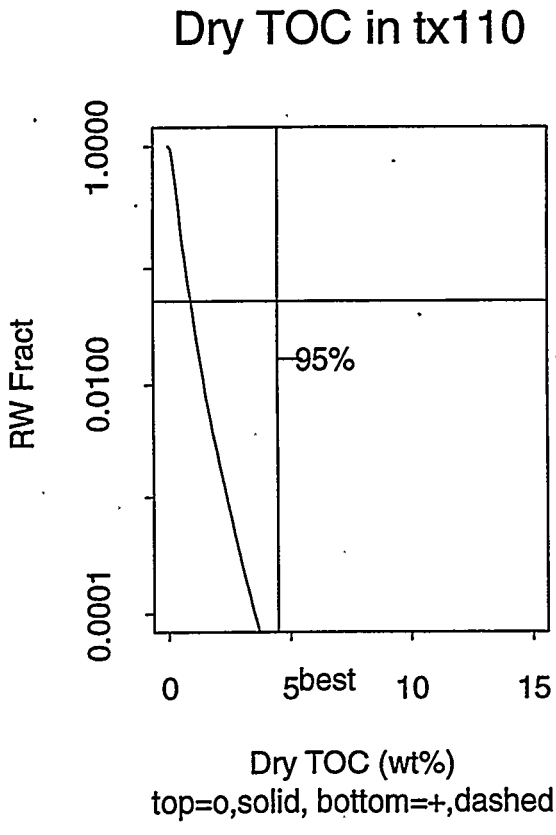

Dry TOC in tx105
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

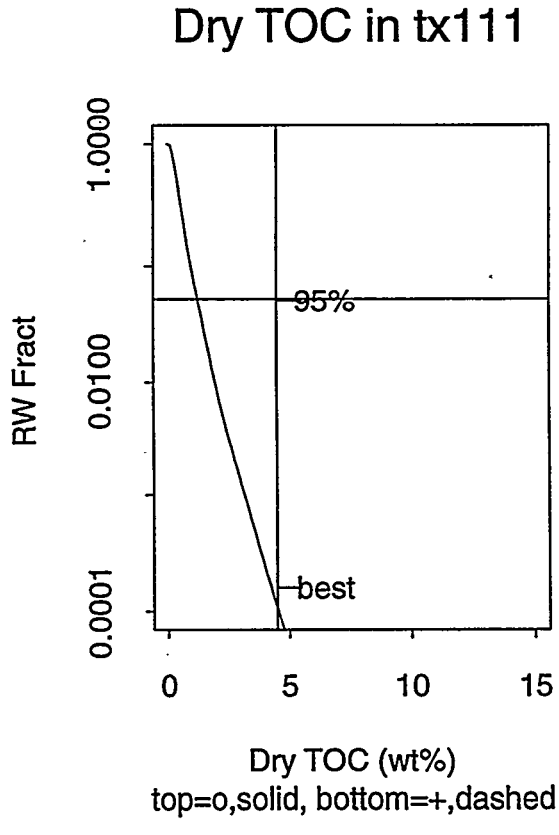

Dry TOC in tx106
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

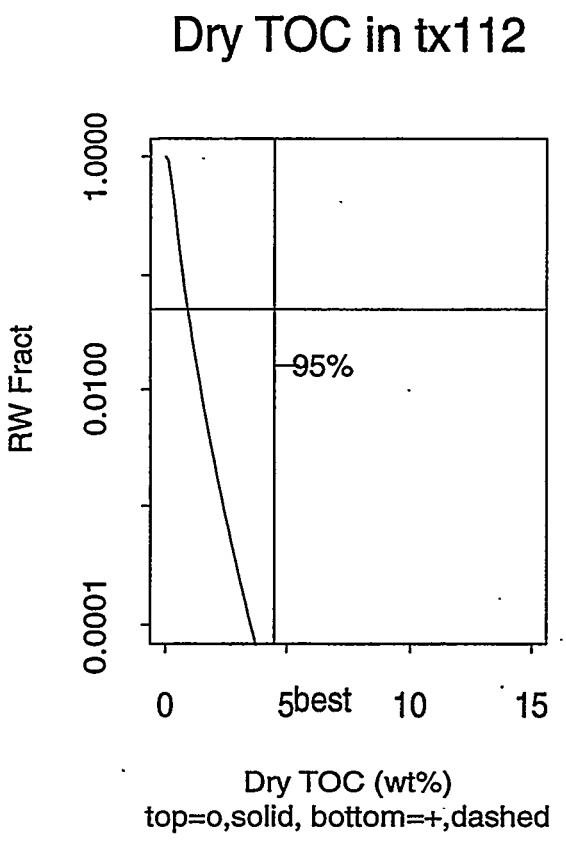

Dry TOC in tx107
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

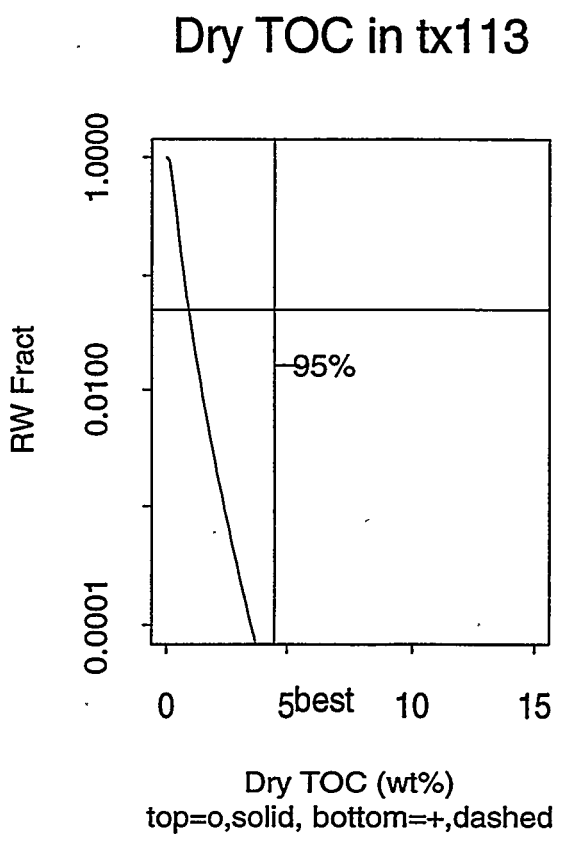

Dry TOC in tx108
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

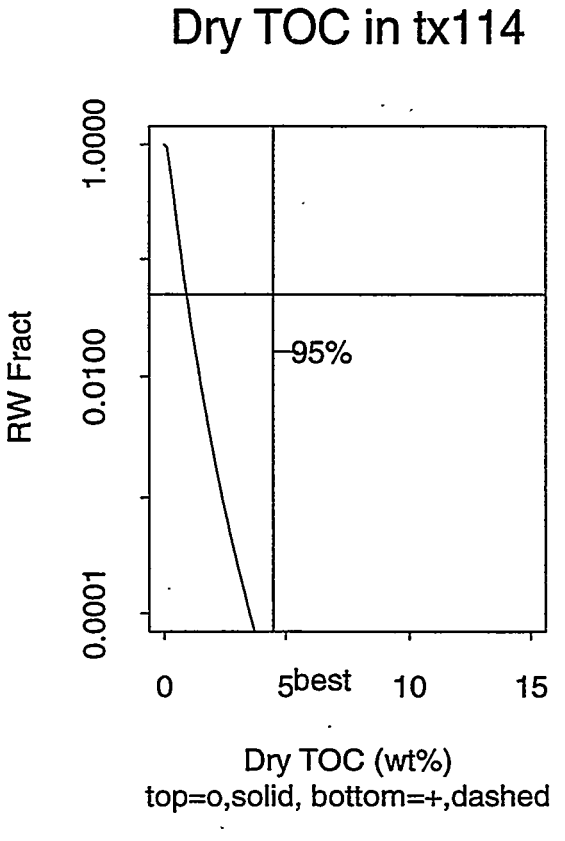

Dry TOC in tx109
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

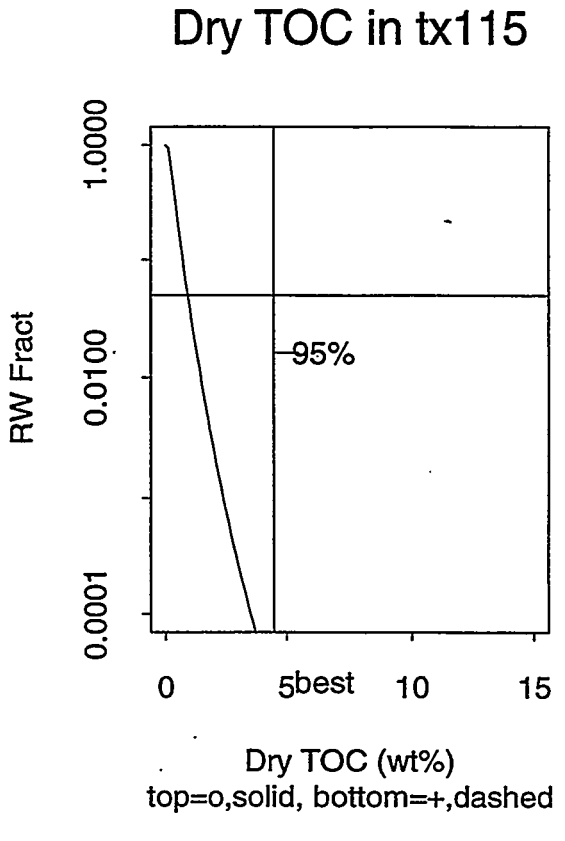

Dry TOC in tx110
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

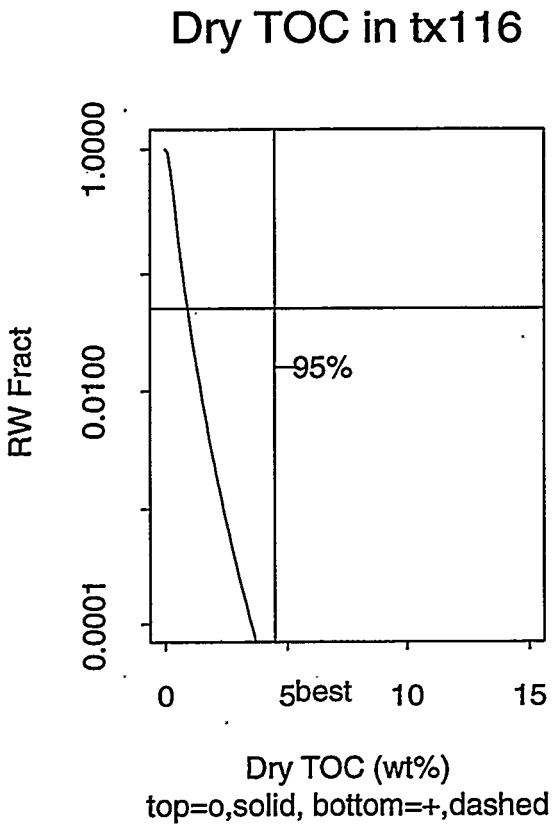

Dry TOC in tx111
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

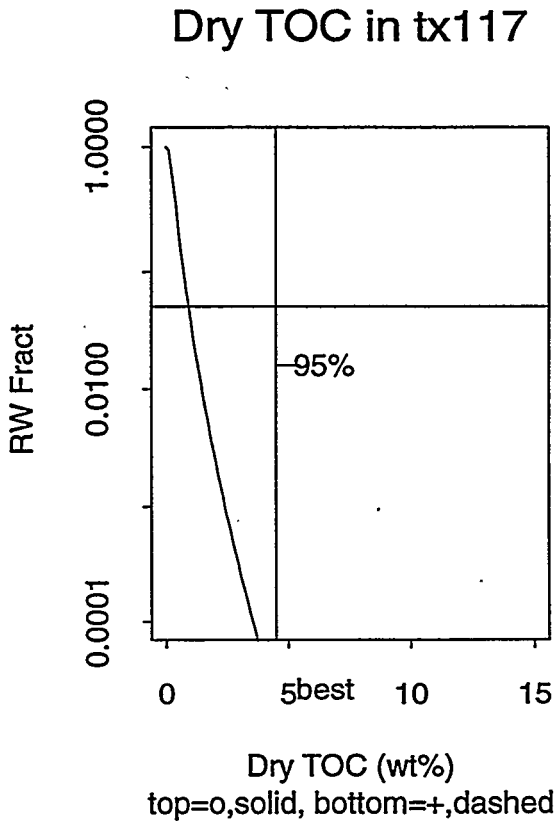

Dry TOC in tx112
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

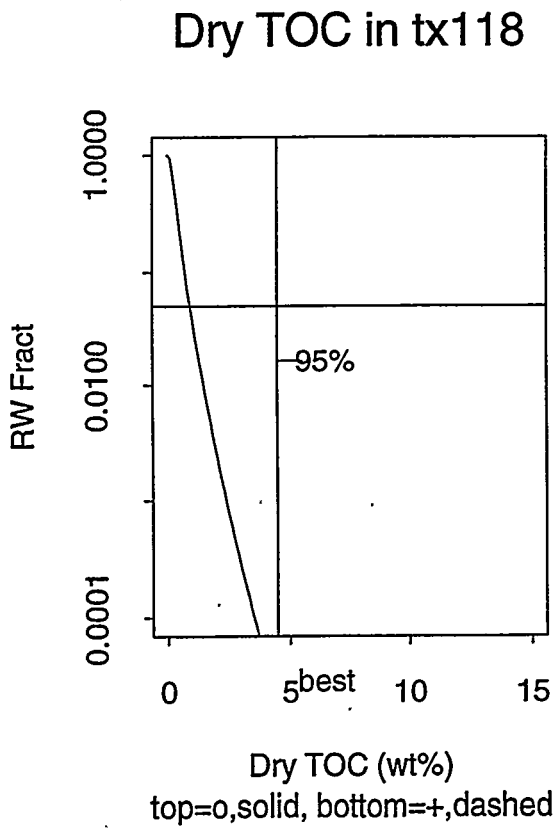

Dry TOC in tx113
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

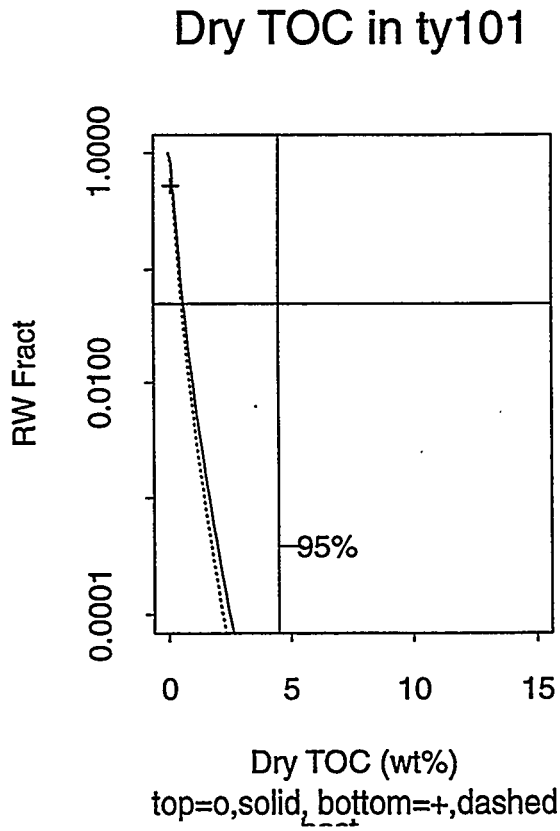

Dry TOC in tx114
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

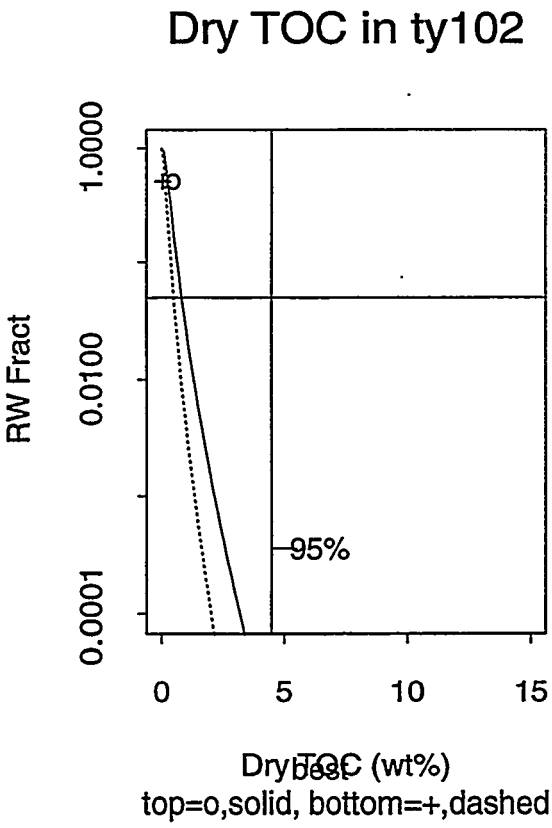

Dry TOC in tx115
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

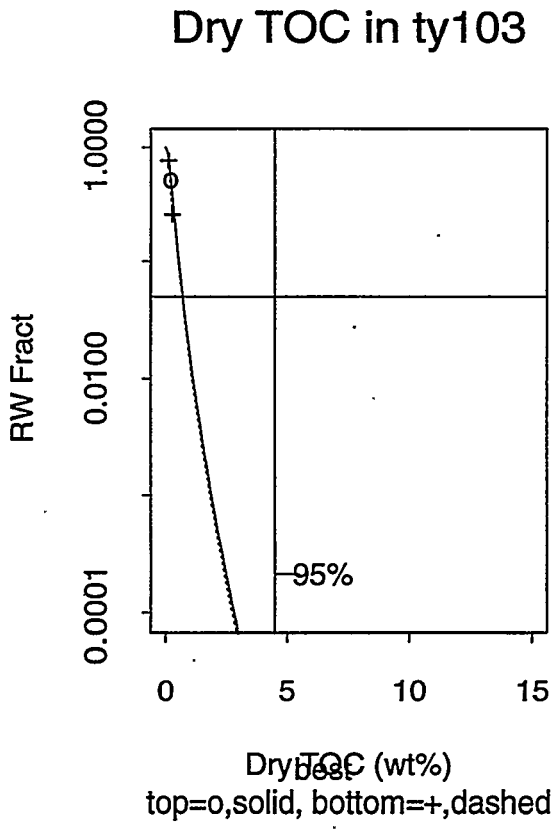

Dry TOC in tx116
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

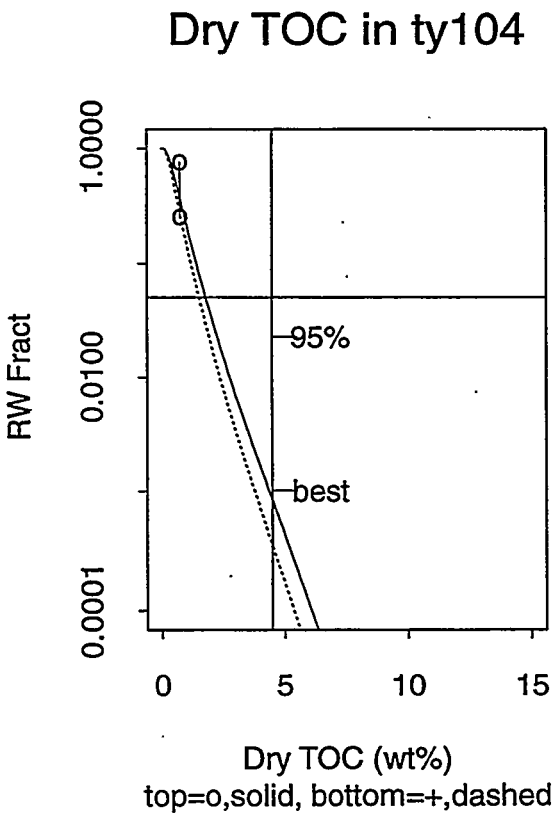

Dry TOC in tx117
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

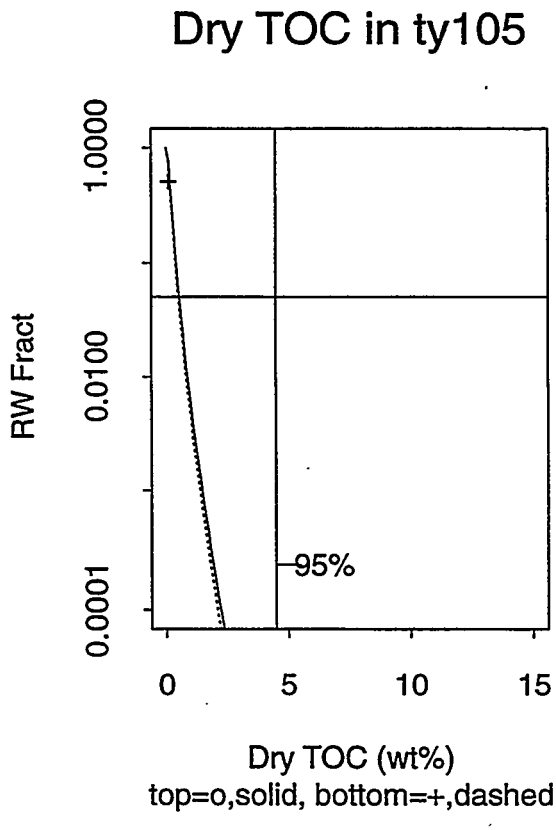

Dry TOC in tx118
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

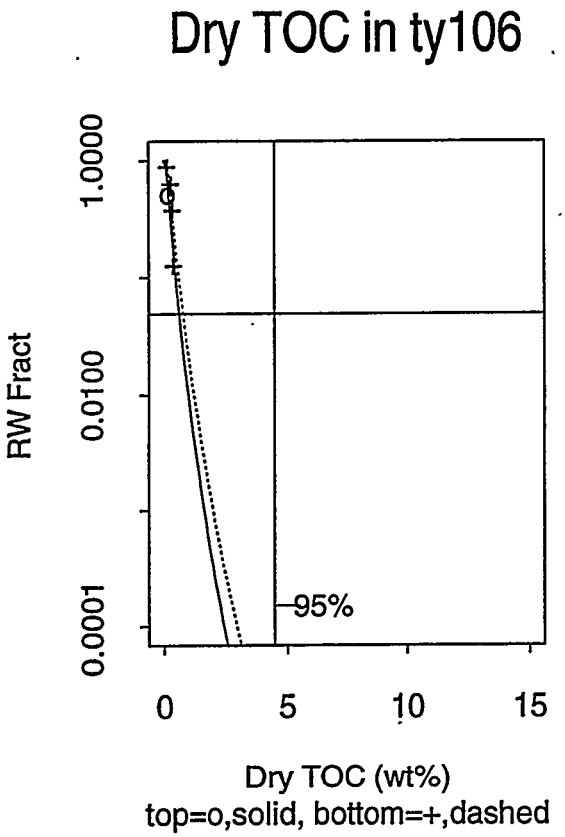

Dry TOC in ty101
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

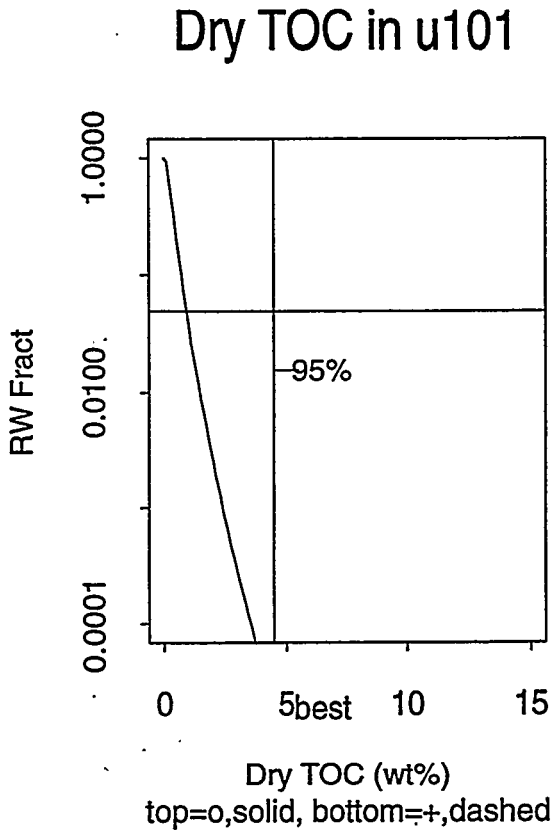

Dry TOC in ty102
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

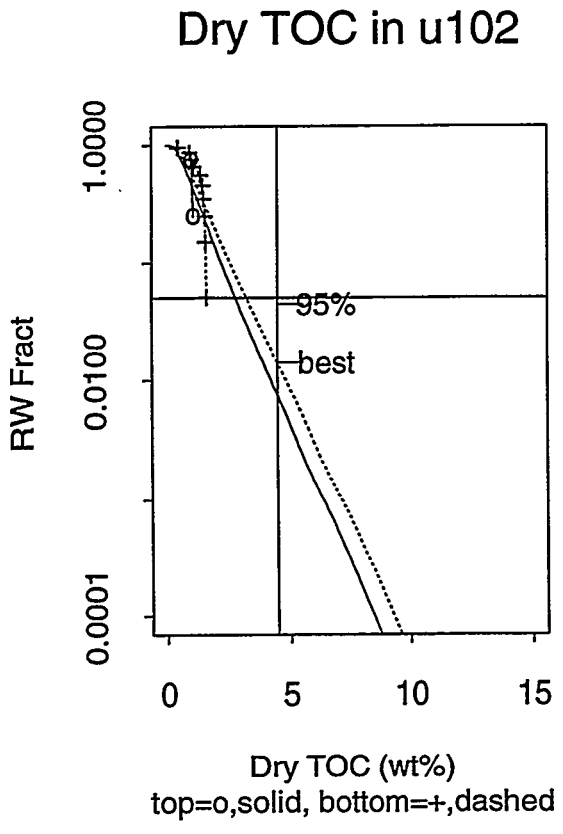

Dry TOC in ty103
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

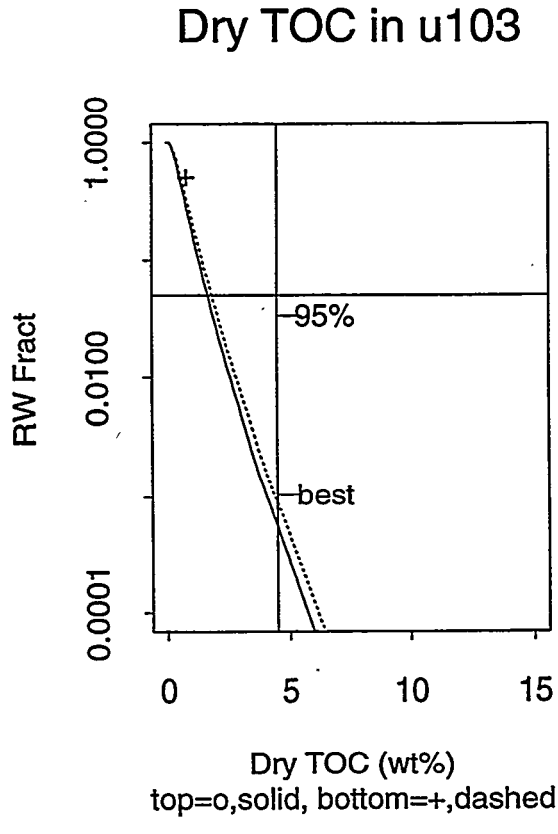

Dry TOC in ty104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

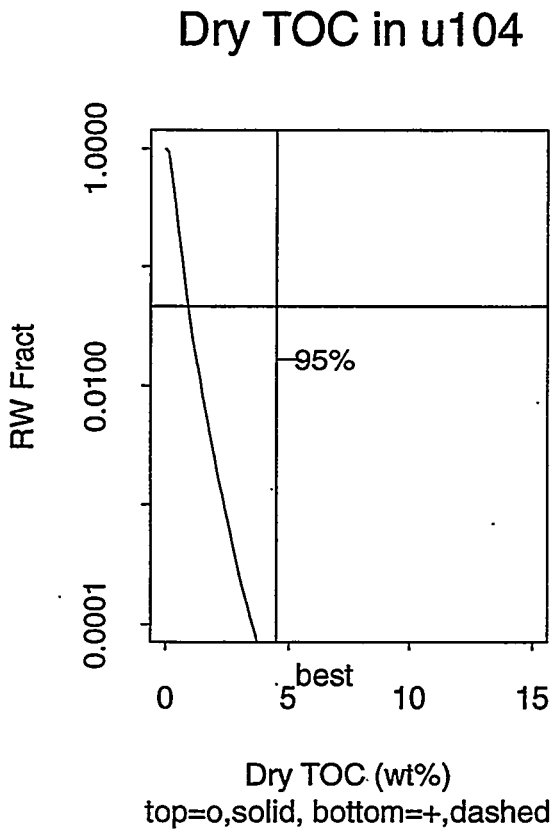

Dry TOC in ty105
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

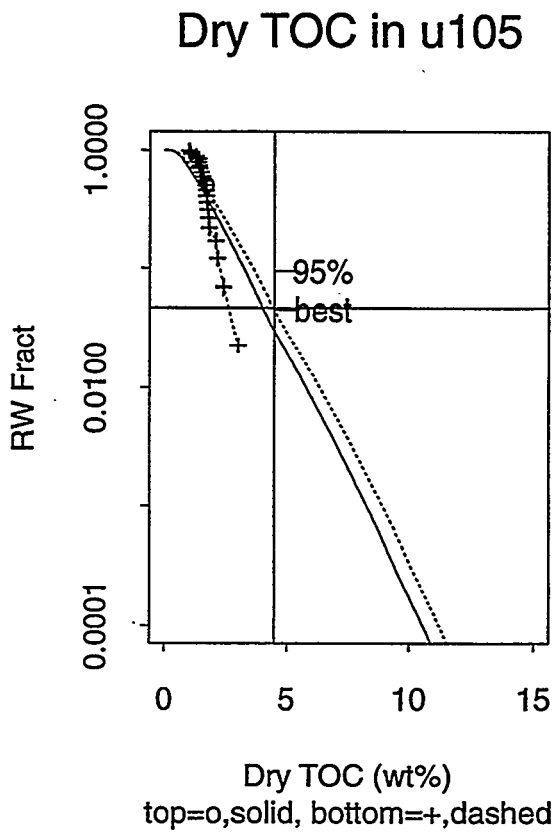

Dry TOC in ty106
RW Fract
1.0000
0.0100
0.0001
95%
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

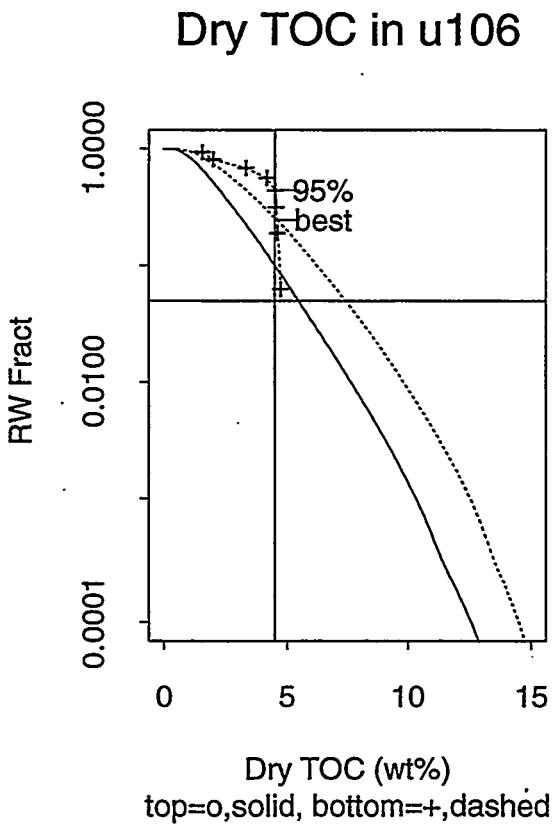

Dry TOC in u101
RW Fract
1.0000
0.0100
0.0001
95%
0
5best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

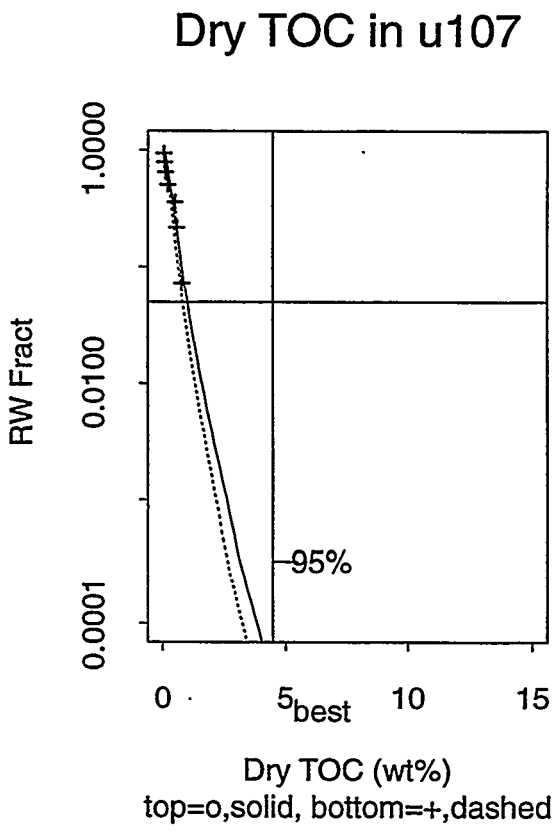

Dry TOC in u102
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

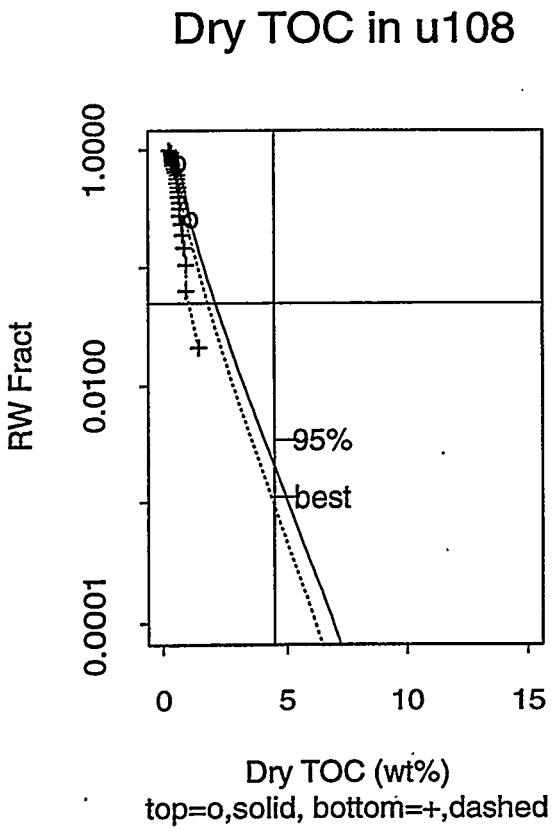

Dry TOC in u103
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

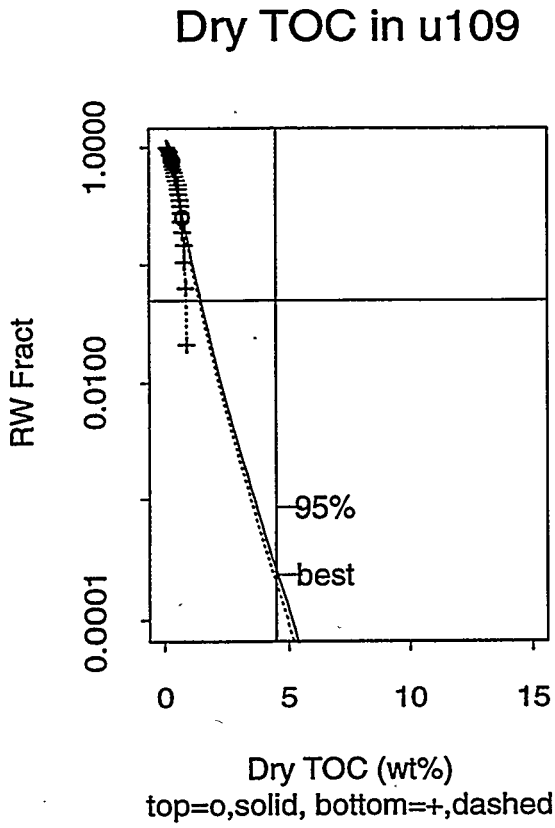

Dry TOC in u104
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

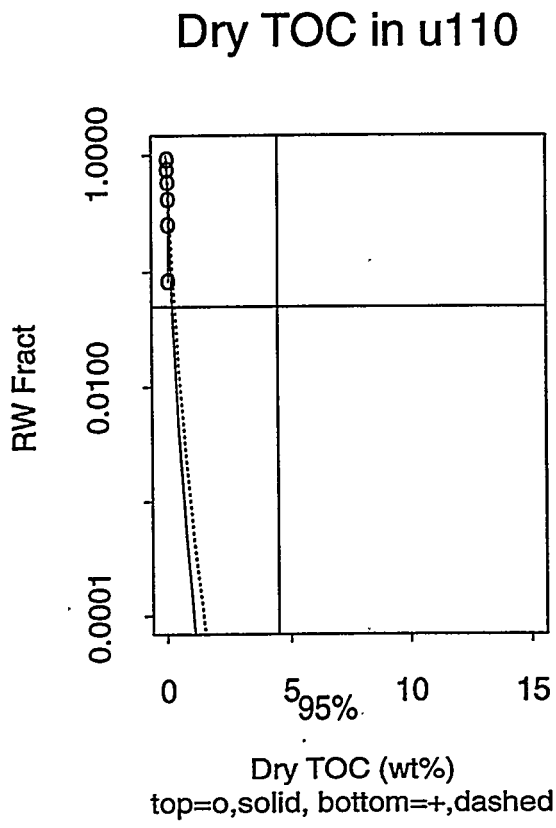

Dry TOC in u105
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

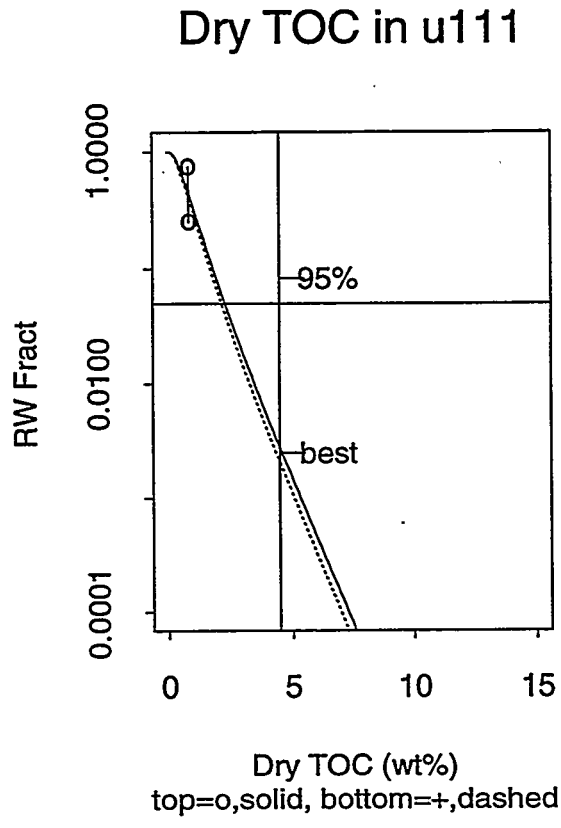

Dry TOC in u106
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

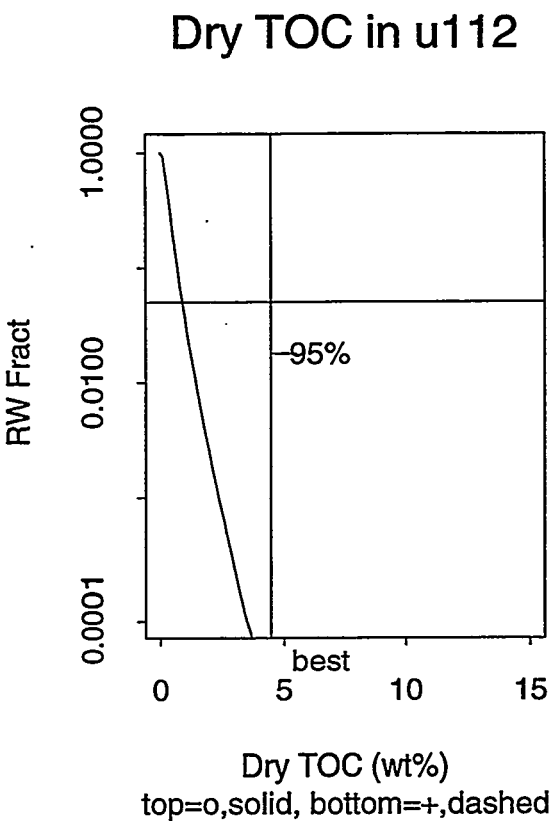

Dry TOC in u107
RW Fract
1.0000
0.0100
0.0001
95%
0
5
best
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

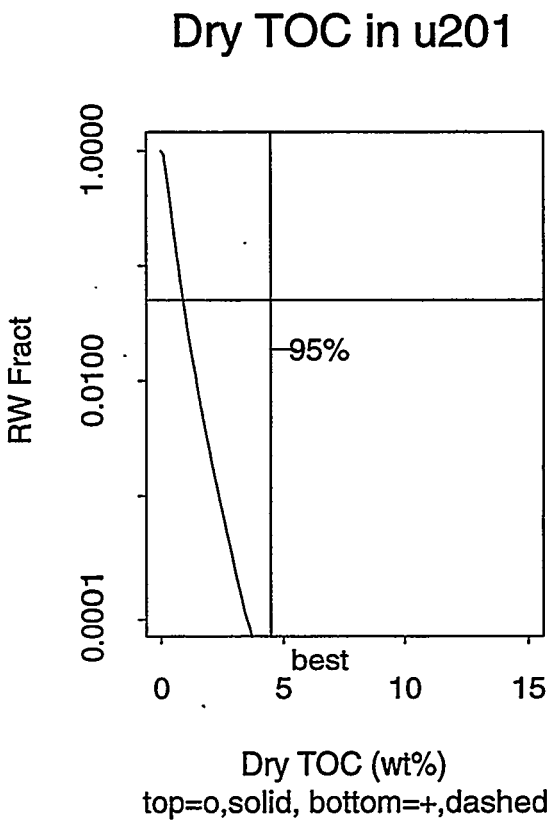

Dry TOC in u108
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

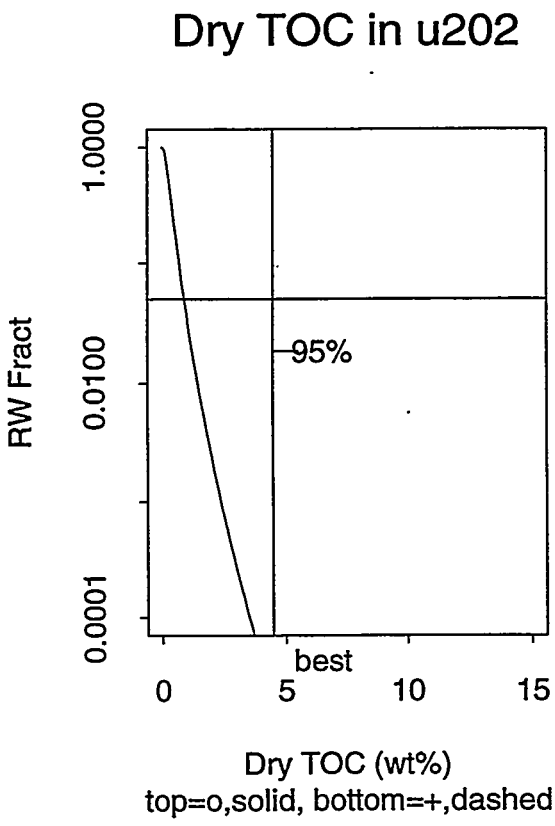

Dry TOC in u109
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

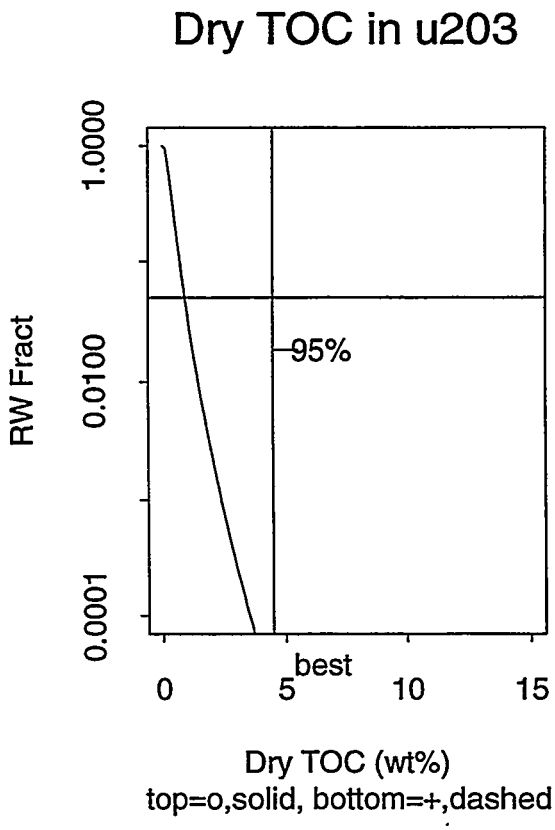

Dry TOC in u110
RW Fract
1.0000
0.0100
0.0001
0
5
95%
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

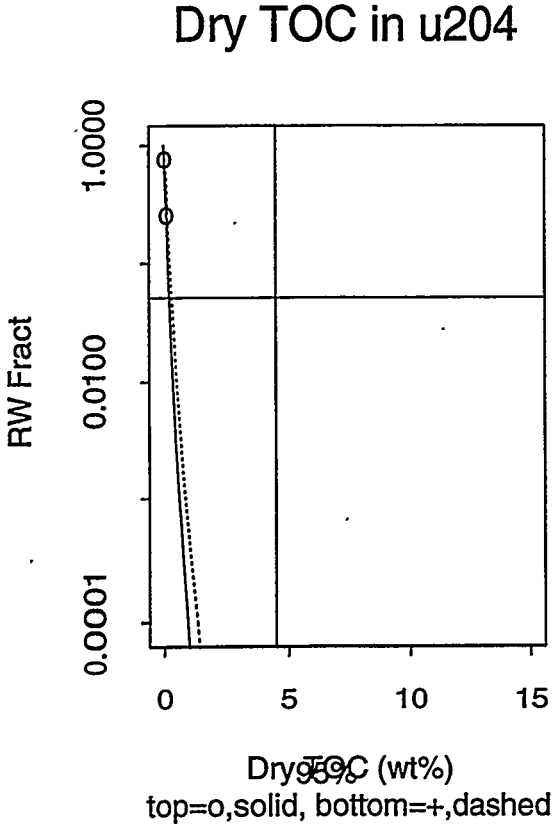

Dry TOC in u111
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in u112
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in u201
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in u202
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in u203
RW Fract
1.0000
0.0100
0.0001
95%
best
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed


Dry TOC in u204
RW Fract
1.0000
0.0100
0.0001
0
5
10
15
Dry TOC (wt%)
top=o,solid, bottom=+,dashed

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