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TECHNICAL MEMORANDUM
PIT B PRE-DESIGN STUDY

BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

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1. INTRODUCTION

1.1 Terms of Reference

This document has been prepared by GeoSyntec Consultants, Atlanta, Georgia (GeoSyntec) on behalf of the Bailey Site Settlors Committee (BSSC) to present the data obtained from the Pit B Pre-design Study (PDS) for the Bailey Superfund Site, located in Orange County, Texas. The PDS activities were performed in general accordance with the appropriate requirements of the following documents:

- *"Work Plan for the Pit B Pre-design Study"* (WP-PBPDS), [GeoSyntec, 1996a].
- *"Quality Assurance Project Plan"* (QAPP), [Harding-Lawson Associates (HLA), 1991a], as amended by Appendix A of the WP-PBPDS.
- *"Final Sampling and Analysis Plan"* (SAP-HLA), [HLA, 1991b].
- *"Final North Marsh Waste Sampling and Analysis Plan"* (NMWSAP-HLA), [HLA, 1993].
- *"Health and Safety Plan"* (HASP), [Parsons Engineering Science, Inc. (Parsons ES), 1995].
- *"Health and Safety Plan"* (GHASP), [GeoSyntec Consultants, Inc. (GeoSyntec), 1995a].

Pit B was previously sampled by GeoSyntec. Samples collected were analyzed for TCLP volatiles, TCLP semivolatiles, TCLP metals, Target Analyte List (TAL) and Target Compound List (TCL) compounds. The results of this investigation are summarized in the *"Technical Memorandum, Supplemental East Dike Area and Pit B Site Investigations"* (TM-EDA/PB) [GeoSyntec, 1996b]. However, due to the limited number of samples collected, the evaluation of waste characteristics was inconclusive. Therefore, additional sampling was required, as described in the WP-PBPDS to supplement the previous studies.

1.2 Project Background

The Bailey Superfund Site is located approximately 3 mi (5 km) southwest of Bridge City in Orange County, Texas. The site was originally part of a tidal marsh near the confluence of the Neches River and Sabine Lake. In the early 1950s, Mr. Joe Bailey constructed two ponds (Pond A and Pond B) at the site as part of the Bailey Fish Camp. The ponds were reportedly constructed by dredging the marsh and piling the marsh sediments to form dikes along the northern and eastern limits of Pond A (the North Dike Area and the East Dike Area, respectively). Between the time of construction (1950s) and the spring of 1971, Mr. Bailey used a variety of wastes including industrial wastes, municipal solid waste (MSW), and debris as fill material for these dikes.

In 1984, USEPA proposed the site for inclusion on the National Priorities List (NPL). The site was placed on the NPL in 1986. A remedial investigation (RI) was completed for the site in October 1987 [Woodward-Clyde Consultants (WCC), 1987], and a feasibility study (FS) was completed in April 1988 [Engineering-Science, Inc. (Engineering-Science), 1988]. In the FS report, Engineering-Science recommended in-situ solidification of the on-site waste and construction of a clay cap over the waste as the preferred remedy for the site. USEPA selected this remedy in the Record of Decision (ROD) for the site, signed on 28 June 1988 [USEPA, 1988].

The remediation area comprises the North Dike Area, East Dike Area, and North Marsh Area. Proposed revised remedies for the North Dike Area and East Dike Area are described and evaluated in the Focused Feasibility Study Report (FFSR) [GeoSyntec, 1996c]. While reviewing the available information for Pit B and the North Marsh Area, GeoSyntec observed that the analytical data regarding the chemical characteristics of the waste in Pit B and North Marsh Area were limited. More specifically, at the commencement of the FFS, adequate data did not exist that would allow waste profile sheets to be completed. Waste profile sheets are required to make decisions regarding the technical and regulatory feasibility of off-site disposal, and to obtain cost quotations for disposal. Therefore, GeoSyntec recommended that supplemental site investigations be performed in these areas so that waste treatment and disposal options could be evaluated during the FFS.

The results of the supplemental site investigation for the North Marsh Area are presented in the *"Technical Memorandum, Supplemental North Marsh Area Site Investigation and Evaluation of Original Remedy"* [GeoSyntec, 1995b]. Based on these results for the North Marsh Area, the North Marsh Area is currently being addressed as an interim removal action. The remediation of the North Marsh Area was therefore not included as part of the FFS. A summary of the information available for Pit B from previous investigations is summarized in Section 1.3 below.

1.3 Previous Investigations at Pit B

Pit B is located between Pit "A", the Waste Channel Area in the North Dike Area and the North Marsh Area. A figure showing its location relative to the rest of the Bailey Superfund Site is provided as Figure 1. The original remedial design (ORD) required that waste material within this area be capped following in-situ solidification; this work was not implemented due to difficulties in achieving the specified performance criteria for solidification of the waste in the East Dike Area of the site.

Previous investigations were conducted at Pit B by WCC during the initial RI [WCC, 1987]. Additional samples were collected by GeoSyntec during supplemental site investigation at Pit B [GeoSyntec, 1996b]. In the RI investigation, the depth of waste material and its lateral extent were evaluated by probing the depths of the waste material in Pit B at selected locations. It was estimated that the waste material was deeper in the western end of Pit B, where waste depths ranged from 2.0 to 9.5 feet (0.61 to 2.9 m). In the center of Pit B, waste depths ranged from 2.5 to 5.0 ft (0.76 to 1.52 m), and in the eastern portion of Pit B, waste depths ranged from 3.5 to 5.0 ft (1.07 to 1.52 m) [WCC, 1987]. Two samples of the material were also collected for chemical analysis of volatile and semivolatile organic compounds. Results of this analysis demonstrated that the waste material in the western end of Pit B contained relatively high concentrations of volatile organics (6.4 to 53 ppm total ethylbenzene, benzene, toluene, and xylenes) and semivolatile organics (24 to 54 ppm various PAHs) when compared to the waste material located at the eastern end of Pit B [WCC, 1987]. Phenolics were also noted at the western end of Pit B [WCC, 1987]. The volume of wastes in Pit B was estimated as 1,900 yd^3 (1,453 m^3) [WCC, 1987]; however, some of the cross sections used to estimate the volume in the RI were only comprised of two measuring locations, [WCC, 1987].

As a part of the FFS currently being performed by GeoSyntec, evaluation of the waste characteristics in Pit B was required. During the FFS, it became evident that insufficient chemical data existed to characterize the waste and complete waste profile sheets. Waste profile sheets are required to make decisions regarding the technical and regulatory feasibility of off-site disposal and to obtain cost quotations for disposal. GeoSyntec therefore conducted a supplemental site investigation at Pit B. As a component of the supplemental site investigation, four waste samples were collected and analyzed for total and TCLP metals, total and TCLP semivolatile organics, total and TCLP volatile organics, reactive cyanide, reactive sulfide, corrosivity, and ignitability [GeoSyntec, 1996b].

Results of the supplemental site investigation indicated that, at one sampling location, benzene was present in concentrations above the TCLP limit in the eastern end of Pit B. The concentrations of benzene at that location were above the Universal Treatment Standard (UTS) for benzene as stated in 40 CFR 268.48 [GeoSyntec, 1996b]. The TM-EDA/PB also noted that based on totals analyses, other constituents were present in excess of UTS criteria; however, because these constituents were not present at levels making the waste characteristically hazardous (i.e., above the TCLP criteria), it was concluded that the UTS levels do not apply unless characteristic levels were exceeded for some other hazardous waste characteristic (which was not the case here, as is demonstrated below) [GeoSyntec, 1996b]. GeoSyntec performed a statistical evaluation of available TCLP data to evaluate whether the total waste mass would be classified as characteristically hazardous. This statistical evaluation was performed in accordance with procedures presented in SW-846 [USEPA, 1986]. Based on the statistical evaluation, it was concluded that additional data points were needed to make conclusions regarding the hazardous characteristics of the total waste mass.

HLA estimated the volume of the waste and affected materials in Pit B to be approximately 12,000 yd^3 (9,175 m^3). Based on a review of the RI data and the likely geometry of Pit B, this estimate appears to be high. In summary, Pit B volume estimates computed during the RI appear to be more reasonable. However, because some of the cross sections used in the RI to develop these estimates were based on only two probing locations, the waste depths measured during the RI needed to be verified so that the accuracy of the Pit B volume estimates in the RI report could be confirmed.

2. STUDY OBJECTIVE

As defined in the FFSR for the Bailey Superfund Site, Pit B is considered a "hot spot" due to the viscous, tarry waste located in this area [GeoSyntec, 1996c]. Because of this designation, it should be handled differently from the remainder of the site with respect to remedy selection and implementation. Due to the somewhat limited information previously available for the chemical analyses of waste samples, it was decided to obtain additional chemical data to ensure that an appropriate remedy is applied to Pit B. The objective of this study was to: (i) verify the waste volume estimates presented in the RI report; (ii) characterize the waste; and (iii) evaluate the available process options for Pit B.

3. SAMPLING AND TESTING PROCEDURES

3.1 Sample Collection

On 6 and 7 March 1996, samples of the waste were collected from 19 locations within Pit B. In addition, samples of the soil beneath the waste were collected from six of the 19 locations. Sampling locations were selected to provide approximate uniform coverage of the area, and to provide representative samples in terms of visual consistency. The sample locations are shown on Figure 2.

Due to difficult site conditions, some field modifications to the planned sampling methodology were necessary. These modifications were discussed with USEPA oversight personnel prior to implementation. The waste samples were collected in the following manner:

- 4-in. (10-cm) diameter PVC pipes were advanced through the waste and into the underlying soil stratum;
- 2-in. (5-cm) diameter PVC pipes were used to make a modified bailer that could be lowered into the waste column within the 4-in. (10-cm) diameter PVC pipes;
- the dedicated PVC bailer was used to collect the waste samples from each sample location;
- the waste samples were poured from the bailers into labeled plastic Zip-Lock bags so that the samples could be placed in the laboratory containers more easily (due to the sticky and tarry nature of the waste); 4-oz (120-ml) vials used for the total volatile organic analyses were filled at the sample locations and not from the samples placed in the plastic Zip-Lock bags in order to reduce the potential for volatilization of volatile constituents; and

- waste that was temporarily stored in Zip-Lock bags was transferred to laboratory containers shortly after sampling; the containers were then labeled, placed in plastic bubble bags, and stored on ice in an insulated cooler for transportation to the analytical laboratory.

Samples were shipped under chain-of-custody protocols to an analytical laboratory for the analyses presented in Section 3.2 of this document. Chemical analyses were performed by Law Engineering and Environmental Services National Laboratories, Pensacola Branch, of Pensacola, Florida.

After the collection of the waste samples, the depth to the bottom of the waste was measured. To perform this measurement, the waste was removed from within the 4-in. (10-cm) diameter PVC pipes with the modified bailer and an auger. The location of the soil/waste interface was confirmed by augering several inches into the underlying soils. The depth to the waste/soil interface was measured from the top of the PVC pipes. The elevations of the ground surface and top of the 4-in. (10-cm) diameter PVC pipes at each sample location were surveyed so that a thickness of waste could be calculated for each sample location. At five of the 19 sample locations, samples of soil beneath the waste were collected for geotechnical engineering testing. These tests were performed by GeoSyntec Geomechanics and Environmental Laboratory in Atlanta, Georgia.

3.1.1 Sample Identification

Each sample was given a unique identification number that corresponds to the sample locations shown on Figure 2. Where duplicates were taken, the sample designations were followed with a "D." For example, a sample with an identification code of A2-D would indicate a duplicate waste sample taken at sample location A2.

3.1.2 Sample Descriptions

Table 1 provides descriptions of waste and soil samples collected during the Pit B pre-design study activities. This description is limited to a physical description of the sample.

3.2 Sample Analysis and Testing

3.2.1 Chemical Analyses of Waste Samples

An analysis summary for the waste samples collected in support of the pre-design study at Pit B is presented in Table 2. The following analyses were performed on one or more waste samples (method numbers are in parentheses):

- TCLP metals (SW 1311/6010);
- TCLP volatile organics (SW 1311/8260);
- TCLP semivolatile organics (SW 1311/8270);
- corrosivity by pH (SW 9045);
- ignitability (EPA Method 1010);
- paint filter (SW 9095);
- reactive cyanide and sulfide (SW-846, Chapter 7);
- TAL inorganics;
  - TAL Metals (ICP and GFAA - SW 6010 and SW 7000);
  - Mercury (CVAA - SW 7470/SW 7471); and
  - Cyanide (SW 9010).
- TCL volatile organics (SW 8260); and
- TCL semivolatile organics (SW 8270).

3.2.2 Laboratory Testing of Soil Samples

The geotechnical engineering tests performed on the soil samples from beneath the waste in Pit B are also presented in Table 2. The following analyses were performed on one or more samples (method numbers are in parentheses):

- moisture content (ASTM D 2216);
- percent passing No. 200 U.S. standard sieve (ASTM D 1140);
- Atterberg limits (ASTM D 4318);
- soil classification (ASTM D 2487); and
- hydraulic conductivity (ASTM D 5087).

The results of these laboratory tests are presented in Section 4.4 of this document.

4. INVESTIGATION AND TESTING RESULTS

4.1 Summary of Analytical Results of Waste Samples

Table 3 presents the results of chemical analyses performed on the waste samples collected from Pit B. Only analytes for which at least one positive detection was noted are presented therein. The application of the "J" flag to denote estimated values has only been applied by the analytical laboratory, Law Engineering and Environmental Services National Laboratories, to identify quantified values less than the sample-specific sample quantitation limit (SQL), yet greater than the instrument detection limit (IDL) or method detection limit (MDL), as appropriate to the method under consideration. The analytical laboratory data are presented in Appendix B. An evaluation of the practical significance of the data is presented in Section 4.2 of this document.

As a component of the Target Compound List analyses of organic compounds, tentatively identified compounds (TICs) were identified. TICs are not identified by comparison to analytical primary standards. Rather, they are identified by library searches against known retention times (gas chromatography) or ion abundance and intensity (mass spectroscopy). Consequently, the identification and quantitation of these compounds is grossly estimated. These data are not presented in Table 3, but are presented in Appendix B. A brief discussion of these compounds follows.

The TICs identified for the Pit B samples were detected in both the volatile (SW 8260) and semivolatile (SW 8270) analytical suites. With respect to volatile organic compounds, TICs identified included cycloalkanes, cycloalkenes, various alkylated benzenes, naphthalene, linear alkanes, furans, and benzofurans. Depending on the sample analyzed, concentrations of each constituent ranged from not detected to 300 ppm per constituent (including benzofuran). With respect to semivolatile organic compounds, several TICs were detected. The only readily identifiable semivolatile TICs were nonane and methylated heptadecane, and a hydroxymethylnaphthalene compound. Like the volatile TICs, concentrations of these compounds varied with the sample analyzed, from not detected to 15,000 ppm. None of the TICs detected are regulated under 40 CFR 261.4, their identification and quantitation are both uncertain,

and their detection does not impact the findings of the TCLP analysis or the identification and quantification of target compounds.

4.2 Evaluation of Analytical Results of Waste Samples

The following section describes the procedure used to evaluate the results of chemical analyses performed on waste samples from Pit B.

4.2.1 TCLP Extraction

Purpose

The positive hits in the TCLP extract were compared to regulatory criteria in 40 CFR 261.4. The positive detections in the TCLP extract above regulatory criteria are summarized in Table 4 for both the current study and for the Supplemental Site Investigation conducted at Pit B by GeoSyntec [GeoSyntec, 1996]. Analytes for which at least one value exceeded the regulatory criteria (TCLP limits) were the subject of further statistical analysis, the sole purpose of which was to determine whether the analyte in question was present in the Pit B waste material at hazardous concentrations. This statistical analysis is recommended in Chapter 9 of SW-846 [USEPA, 1986]. However, at the request of USEPA, GeoSyntec implemented the statistical procedures outlined in the RCRA Guidance for Compliance Monitoring [USEPA, 1992]. The primary areas in which these procedures differ deal with the treatment of non-detects. Also, at the request of USEPA, GeoSyntec computed a confidence limit at 95% confidence to make a determination as to the presence of a hazardous characteristic; SW-846 requires that the confidence be set at 80% [USEPA, 1986]. GeoSyntec considers that this procedure is not appropriate for the purpose intended, and is not a requirement of SW-846. However, these procedures introduce an added degree of conservatism, and it is interesting to note that the outcome is unchanged.

Procedures

The data for the Pit B pre-design investigation were pooled with those of the supplemental site investigation for Pit B [GeoSyntec, 1996]. Duplicate values were

discarded; this practice is not mentioned in the SW-846 guidance; however, to include duplicate values in the analysis would introduce a dependency to the data which will skew its interpretation. The data sets were categorized according to the proportion of non-detects in them; methods for use on data sets that contain various proportions of non-detects have been summarized previously [USEPA, 1992] and are presented in Appendix A.

The calculations used in support of this analysis are presented in Appendix A as is a detailed description of the methods applied. The results of this analysis are summarized below. Briefly, only two of the analytes exhibited exceedances of TCLP criteria in discrete samples: benzene and 1,2-dichloroethane. These analytes were subject to statistical analysis.

The benzene data set contained 4.3% non-detects, was not normally distributed at 95% confidence (Appendix A), but was lognormally distributed at 95% confidence. A parametric, lognormal UCL equating to 6.0821ln(μg/L) was therefore placed on the benzene data and compared to the natural logarithm of the TCLP limit for benzene (500 (μg/L); 6.21 ln(μg/L); Appendix A). Because the 95% UCL was less than the logarithm of the TCLP limit, it was concluded that the Pit B waste did not contain benzene in concentrations exceeding the hazardous threshold, pursuant to SW-846 guidance, modified as stated above.

The 1,2-dichloroethane data set contained 17.4% non-detects (Appendix A). Based on an evaluation of the Censored and Detects-Only Probability Plots of the 1,2-dichloroethane data, it was concluded that the underlying assumptions for Aitchison's adjustment hold true for the untransformed data set (i.e., the data are normally distributed at 95% confidence and that the mean and variance thereof should be adjusted using Aitchison's procedure). It was also found that the natural logarithms of the data are normally distributed under the assumptions requisite for Cohen's adjustment procedure; however, because this procedure requires a non-varying SQL, and the SQLs of the current data set vary, it cannot be applied. Therefore, the mean and variance of the untransformed data were adjusted using Aitchison's procedure, and these adjusted values were used to place a 95% UCL on the data set. This value was 336.63 μg/L, and was less than the 500 μg/L TCLP limit for 1,2-dichloroethane

(Appendix A). Therefore, it was concluded that 1,2-dichloroethane was not present in the Pit B waste at concentrations exceeding the hazardous threshold.

4.2.2 Total Analyses

A summary of totals analyses for analytes that exhibit positive detection is presented in Table 3.

As stated above, based on the results of the statistical evaluation, no analytes are present in the TCLP extract of the Pit B waste material at a characteristically hazardous concentration. Therefore, evaluation of totals analyses with respect to regulatory levels is not necessary for the purpose of evaluating whether the waste is characteristically hazardous.

4.2.3 Miscellaneous Analyses

Table 3 also presents a summary of the results of miscellaneous analyses performed on the Pit B waste samples. These analyses include reactivity, corrosivity, moisture content, ignitability and paint filter testing. The results of these analyses indicate the presence of reactive sulfides at levels that exceed 500 mg/kg (i.e., the current USEPA interim guidance level for total releasable sulfides). This level is currently used by landfill facilities, including the BFI Anahuac facility, as the waste acceptance criterion for reactive sulfides. Also, the majority of samples failed the paint filter test.

Based on these results, waste conditioning will be required in order to deactivate reactive sulfides (if present in the waste) and improve materials handling properties if the waste is to be disposed at an off-site industrial waste landfill.

Based on the results of the reactive sulfides analyses, GeoSyntec conducted a waste conditioning study for Pit B waste. The results of this study are presented in Appendix D. The objectives of the study were to evaluate: (i) the likely source of the reactive sulfides that identified in the collected samples of Pit B waste; and (ii) the types of waste conditioning required to reduce the levels of reactive sulfide (if present)

in the waste. The study indicates that the reactive sulfides likely originate from the thin layer of marsh sediment that is located immediately above the waste material in Pit B. This finding is based on the following:

- the bulk samples collected for the waste conditioning study did not contain reactive sulfides in excess of the threshold value of 500 mg/kg; the bulk samples did not contain marsh sediments, whereas the samples having reactive sulfides were comprised of a waste and sediment mixture;

- a water sample collected from Pit B did not contain reactive sulfides (i.e., reactive sulfide levels were less than the 50 mg/kg detection limit); and

- a marsh sediment sample collected from Pit B contained reactive sulfides at a concentration of 800 mg/kg wet weight; 5,700 mg/kg dry weight.

Based on these results, it is likely that neither the water nor the waste will contain reactive sulfides above the threshold value. It is likely that the marsh sediments originated from the decay of vegetative matter in Pit B. Also, it is likely that reactive sulfides in the marsh sediment will oxidize under aerobic conditions following the dewatering of Pit B, thus rendering reactive sulfides a non-issue.

Since the pre-treatment concentrations of reactive sulfides in the waste conditioning study samples were very low, the study was inconclusive with respect to the potential effectiveness of the conditioning agents at deactivating reactive sulfides. Since the addition of lime appeared to improve the materials handling characteristics and may have had an effect on reducing reactive sulfides, a waste conditioning pilot test was conducted to further evaluate the effectiveness of waste conditioning.

4.3 Waste Conditioning Pilot Test

The pilot test was performed by adding lime kiln dust to a discrete area (about 18 ft by 20 ft (5.5 m by 6.1 m) of waste within Pit B and mixing the waste and lime kiln dust in situ. Samples of the waste were collected prior to the addition of lime and after the addition and mixing of 2.5, 5.0, and 7.5 percent lime kiln dust. These samples were sent to an analytical laboratory and tested for reactive sulfide, corrosivity (as pH), and

paint filter. Based on a review of the analytical testing results, the addition of the lime kiln dust reduces reactive sulfides and increases the pH of the waste.

For example, reactive sulfide concentrations in waste samples collected prior to the addition of the lime kiln dust were 240, 160, and 93 ppm. The reactive sulfide concentration in one sample with 5 percent lime kiln dust was 68 ppm; the other two samples with 5 percent lime kiln dust had less than 10 ppm reactive sulfides. The pH of the waste increased from an average initial value of 5.9 to a value of 12.3 following the addition of 5 percent lime kiln dust. Also, lime kiln dust improved the handling properties of the waste and the samples tested after the addition of the lime kiln dust passed the paint filter test.

4.4 Waste Thickness Investigation Results

The thickness of the waste within Pit B ranges from approximately 1.9 ft (0.6 m) to 5.5 ft (1.7 m). Based on a review of the data collected during the Pit B PDS, the thickness of the waste varies from location to location, with no pronounced trend being established. For adjacent sample locations, the waste thickness may vary up to 2 to 3 ft (0.6 to 0.9 m). Based on the waste thickness data and the lateral extent of Pit B, the quantity of waste within Pit B has been estimated at 4,000 yd^3 (3,060 m^3) However, the actual volume could be greater or less than this value because of the high degree of variability of the thickness of the waste.

4.5 Geotechnical Testing Results of Soil Samples

The data report for the laboratory test on soil samples collected from beneath Pit B is included as Appendix C of this document. As shown in Table 1 of Appendix C, the soil samples had the following characteristics:

- moisture content (ASTM D 2216): 26.9 to 46.1 percent with an average of 36.3 percent;

- percent passing No. 200 U.S. standard sieve (ASTM D 1140): 69.6 to 97.8 percent with an average of 87.9 percent;
- Atterberg limits (ASTM D 4318): liquid limit – 42 to 62 percent with an average of 50.2 percent; plastic limit – 19 to 29 percent with an average of 22.8 percent; plasticity index – 20 to 36 percent with an average of 27.4 percent;
- soil classification (ASTM D 2487): lean clay with sand (CL), sandy lean clay(CL), fat clay (CH), and silt (ML); and
- hydraulic conductivity (ASTM D 5085): 1.2×10^{-8} and 9.0×10^{-9} cm/sec.

5. IDENTIFICATION AND SCREENING OF PROCESS OPTIONS

5.1 Introduction

As presented in Section 7 of the FFSR, the following process options will be considered for Pit B and other isolated areas of the site containing sludge-like wastes:

- sheet pile walls;
- in-situ solidification to an alternative performance criteria or method-based specification; and
- off-site disposal.

If sheet pile walls and/or in-situ solidification were implemented for the remediation within Pit B, a lightweight composite cap would be constructed over the area. For off-site disposal, pre-disposal conditioning of the excavated material will most likely be necessary or required based on the physical properties (e.g., oily, tarry, moisture content, viscosity) of the excavated material. Pre-disposal conditioning of the waste within Pit B could occur before or after the waste is transported to the disposal facility, depending on the facility that is selected.

For the purposes of screening available process options, an enhanced version of the in-situ solidification process option was developed. This process option includes the sheet pile wall process option with in-situ solidification to provide additional lateral containment of the waste. A lightweight composite cap would be constructed over the solidified waste and tied into the sheet pile wall.

This section of the document presents the screening of process options listed above. The process options for Pit B were screened using criteria established in the *"Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA"* [USEPA, 1988b] and *"Guidance on Conducting Non-Time-Critical Removal Actions Under CERCLA"* [USEPA, 1993a]. These criteria are:

- *Effectiveness.* Effectiveness is evaluated based on the ability of the process option to meet the remedial action objectives. Both short-term and long-term effectiveness are evaluated within this criterion. Short-term effectiveness

considers the length of time required to implement the process option and any adverse effects on human health or the environment during the construction or implementation period. Long-term effectiveness considers the ability of the process option to limit contaminant migration following the construction period and includes a relative assessment of the reduction in contaminant toxicity, mobility, or volume provided by the process option.

- *Implementability.* This criterion evaluates both the technical and administrative implementability of the process option. Technical implementability considers the ability to construct and reliably operate and maintain the process option and to monitor the process option after implementation. Administrative implementability considers: (i) the ability to obtain necessary regulatory approvals; (ii) the type and availability of necessary treatment, storage, and disposal services; and (iii) the availability of necessary equipment and technical expertise.

- *Cost.* This criterion evaluates the capital, operations, and maintenance costs of the process option. This criterion is used to identify whether the cost of the process option is grossly disproportionate to other process options when compared to the level of effectiveness achieved. In accordance with USEPA guidance, detailed cost estimates are not prepared at this stage of the screening process. Rather, the process option is evaluated based on experience and judgment and in terms of cost versus effectiveness.

State and community acceptance were not considered during the screening process.

5.2 Process Option 1: Sheet Pile Wall

5.2.1 Description

A sheet pile wall is considered a potential enhancement to a capping remedy, especially in areas where tarry and viscous wastes, such as those in Pit B, are present. If necessary, a sheet pile wall would be installed along all or a portion of the perimeter of Pit B to: (i) control lateral migration of waste constituents by providing a low

hydraulic conductivity barrier through which ground-water flow velocities are reduced when compared to flow velocities under the current hydrogeological regime; (ii) contain consolidation water; and (iii) provide physical containment of viscous, tarry wastes.

To implement this process option, steel sheet piles would be driven into the subsurface by a pile hammer or hydraulic press. The primary advantages of sheet piling are that excavation of contaminated materials is not required for their installation and the wall would provide physical containment of the viscous, tarry waste within Pit B. The effectiveness of a sheet pile subsurface barrier is dependent on the effectiveness of the interlocking joints between adjacent sheet piles. Joint sealing methods are available for reducing the leakage between adjacent sheets. Due to the importance of minimizing the potential for leakage through joints, extra effort in improving the joint seal is often warranted. Principal disadvantages of sheet piling are the high cost, uncertainty in verifying the quality of the joint seals, and potential for corrosion of the steel sheet piles.

5.2.2 Screening

The screening comments for the sheet pile wall process option is provided below.

Effectiveness

Short term. The sheet pile wall described above provides a potentially effective means of physically containing and reducing the mobility of the waste. Since excavation of waste material would not be required for the installation of a sheet pile wall, the potential for exposure of workers and local residents to site contaminants during construction would be relatively low; thus increasing the short-term effectiveness of this process option. The construction of a sheet pile wall would probably not disturb the integrity of the dikes surrounding Pit B.

Long term. The selection of a sheet pile wall or other type of vertical subsurface barrier process option is largely dependent on the degree of reduction in hydraulic conductivity required, and the physical and chemical properties of the constituents of concern. Sheet pile walls are effective, proven technologies for reducing the mobility

of constituents, but do not result in reduction of toxicity or volume of the waste. Based on the hydrogeological conditions at the Bailey Superfund Site and the hydraulic conductivities of sheet pile walls, a sheet pile wall would not be effective at reducing constituent migration unless effective joint sealing methods are implemented. However, it would provide physical containment of the viscous, tarry waste in Pit B. It is also noted that the steel sheet piles may corrode over time, thereby reducing the long-term effectiveness of this process option.

Implementability

Technical. It is technically feasible to construct a sheet pile wall around Pit B. However, potential site constraints (i.e., limited access, location of waste, size of dikes, and proximity of the North Marsh Area to the waste) and the stability of the dikes would need to be evaluated during design.

Administrative. Sheet pile walls are a proven process option that have been used for the containment of a variety of waste materials. However, a sheet pile wall was not included in the ROD or the original remedial design.

Cost

A sheet pile wall is considered a moderately cost effective process option for the physical containment of the waste within Pit B, especially if structural strength is required.

5.2.3 Economic Considerations

The process options for sheet pile walls and in-situ solidification contain certain common elements that are considered baseline costs. The order of magnitude construction cost estimate for this process option includes: (i) installation of the sheet pile wall around Pit B; (ii) partial solidification of the waste so it has adequate strength to support a lightweight cap or construction of a reinforced soil layer to bridge the area; and (iii) construction of a lightweight cap over the area. The cost to perform these activities is estimated at $570,000.

5.2.4 Other Considerations

The following considerations are also relevant to the implementation of Process Option 1:

- although the waste would be contained and capped, the waste material would remain on-site;
- the portion of the cap over Pit B would require long-term maintenance;
- while the physical properties of the waste would be improved by the partial solidification of the waste, the waste may still have the potential to consolidate and settle under an applied load; therefore, it may be beneficial to solidify the waste to its full depth; and
- it is unlikely this process option could be executed during the 1996 spring/summer construction season, thereby causing the waste to remain in Pit B until the 1996/1997 winter construction season.

5.3 Process Option 2A: In-Situ Solidification

5.3.1 Description

In-situ solidification refers to the mechanical mixing of wastes and affected soils in place with a solidification admixture. Typical admixtures may include cement, bentonite, lime kiln dust, and/or fly ash. The admixtures can be introduced either as a dry powder or slurry. In-situ solidification has been traditionally used for immobilizing inorganic compounds such as metals in contaminated soils and sludges and for improving the physical/mechanical properties of these materials.

In-situ solidification is typically performed to achieve one or both of the following objectives:

- to reduce the mobility of leachable constituents in wastes and affected soils; and
- to improve the strength of the waste and affected soils.

The original remedial design included a requirement to solidify the waste to *"reduce the mobility of the waste and provide strength to support a clay cap"* [USEPA, 1988a]. Treatability testing results presented the FS report and remedial design documents show that solidification produced a reduction in the leachability of certain waste constituents. The waste solidification component of the original remedial design included specified performance criteria for unconfined compressive strength and hydraulic conductivity for the solidified material. The performance criterion for unconfined compressive strength was established at 25 psi (172 kPa). The hydraulic conductivity performance criterion for the solidified waste was 1×10^{-6} cm/s.

In-situ solidification activities were performed on waste in the southern portion of the East Dike Area of the Bailey Superfund Site during 1993 and 1994. During initial attempts to solidify waste in the East Dike Area, Chem Waste encountered difficulties in achieving the specified physical and hydraulic characteristics (i.e., unconfined compressive strength and hydraulic conductivity) for the solidified waste. As a result of these difficulties, the remedial activities eventually ceased in early 1994. Based on this experience, if solidification is implemented, the performance criteria should be modified at a minimum.

Alternative Performance Criteria

This process option would involve in-situ solidification of the waste to alternative performance criteria that would be developed based on field testing. Based on a review of work performed during the original RA, the unconfined compressive strength criterion would be achievable if the sampling method is modified. The elimination of the hydraulic conductivity criterion would allow for broader application of the in-situ solidification process option. If this process option were selected for Pit B, the strength

performance criterion would be evaluated during remedial design and established at a value that is both achievable and appropriate with respect to other remedy components.

Method-Based Specification

For this process option, the waste would be solidified based on a specified mixing method and rate of application for the solidification admixture. The physical characteristics of the solidified waste, would not be the basis for acceptance of a completed area, but would be evaluated at either laboratory or pilot scale, and empirically correlated to the specified construction method. Quality assurance would be based on monitoring the equipment, methods, and admixture application rates to make sure they were in accordance with the technical specifications. This approach would be advantageous since it would not require extensive sampling and testing during construction operations, and would therefore eliminate the uncertainties of correlating discrete performance testing to in-situ conditions.

If this process option were selected for Pit B, the appropriate method would be evaluated during the remedial design based on existing information and supplemental information gathered during the FFS and subsequent design activities.

5.3.2 Screening

The in-situ solidification process options presented above are very similar except for the technical criteria that would be included in the construction specifications. The process options were evaluated according to the five previously-described criteria. A summary of the criteria evaluations for the in-situ solidification process options is included below.

Effectiveness

Short term. The short-term effectiveness of these process options is considered to be moderate since the treatment activities are performed in-situ and would involve some waste disturbance. However, contaminant exposure to precipitation, stormwater, and the atmosphere could occur. In addition, the implementation period for these process options can be lengthy.

Long term. If these process options can be successfully implemented, they typically are effective at reducing contaminant mobility. However, the solidification process does not reduce the toxicity of the constituents, and results in an increase in the total volume of the waste material.

Implementability

Technical. In-situ solidification of the waste within Pit B with alternative performance criteria or a method-based specification could be achieved, but it would also be expensive, time consuming, and may result in a significant volume increase due to the quantity of solidification reagent needed to solidify the waste. In-situ solidification could potentially be implemented in Pit B which contains sludge-like waste and very little to no co-disposed waste (industrial waste and MSW), provided that the performance criteria in the original remedial design were modified to include alternate performance criteria or a method-based specification. In-situ solidification of the waste in Pit B would be difficult due to the oily, tarry, and organic nature of the waste. However, based on treatability studies performed for the North Marsh Area waste, which is reported to have originated from Pit B and has similar physical characteristics, solidification of the Pit B waste should be technically implementable.

Administrative. The selected remedy in the ROD includes in-situ solidification of the waste, but does not provide the performance criteria (unconfined compressive strength or hydraulic conductivity criteria) for the solidified waste. The specified performance criteria was established by HLA during remedial design. Since the performance criteria are not part of the ROD, a modification to the performance criteria to include alternate performance criteria or a method-based specification could be performed without having to change or modify the ROD, and thus decrease potential administrative difficulties.

Cost

These process options are relatively expensive based on the cost estimates to implement the original remedial design. However, cost savings could be achieved if alternate performance criteria or a method-based specification were implemented.

5.3.3 Economic Considerations

Costs for Process Option 2A include in-situ solidification of the waste within Pit B to its full depth and construction of a lightweight cap over the area. Based on an evaluation of the performance of the original remedial design, and an evaluation of typical construction costs to construct the lightweight cap, an order of magnitude construction cost of $660,000 has been estimated.

5.3.4 Other Considerations

The following considerations are also relevant to the implementation of Process Option 2A:

- although the waste would be solidified and capped, the waste material would remain on-site;
- since a cap will be constructed over the solidified waste, long-term maintenance requirements and costs for the cap would be incurred for this area;
- solidification of the waste in-situ will likely not result in the formation of a solidified waste mass due to the oily, tarry, and organic nature of the waste; this was recently confirmed based on visual observations of the waste during recent waste conditioning studies, therefore the waste may still have the potential to remold under an applied load; it may be beneficial to install a vertical barrier wall (i.e., sheet pile wall) around the waste to provide additional lateral containment for the solidified waste; and
- it is unlikely this process option could be designed and constructed in time for the 1996 spring/summer construction season, thereby allowing the waste to remain in Pit B until the 1996/1997 winter construction season.

5.4 Process Option 2B: In-Situ Solidification with Sheet Pile Walls

5.4.1 Description

Process Option 2B combines the benefits achieved by Process Option 1 (sheet pile walls) and Process Option 2A (in-situ solidification). For Process Option 2B, a sheet pile wall would be installed around the waste within Pit B and the waste would be solidified to its full depth, as described for Process Options 1 and 2A, respectively. By combining these process options, the solidified waste and sheet pile wall will be able to adequately support the load of the cap.

Process Option 2B was developed because of observations made during the recent waste conditioning studies. Based on these observations, in-situ solidification of the waste will likely not result in a solidified mass and the waste may still have the potential to remold under an applied load. However, if the waste is solidified and left in place, a sheet pile wall could provide the necessary lateral containment for the waste mass.

5.4.2 Screening

Since this alternative is essentially the combination of Process Options 1 and 2A, the screening comments for these process options will not be repeated in this section.

5.4.3 Economic Considerations

If Process Options 1 and 2A are combined to form Process Option 2B, the order of magnitude cost estimate for this enhanced process option is $1,010,000.

5.4.4 Other Considerations

The following considerations are also relevant to the implementation of Process Option 2B:

- although the waste would be solidified, contained, and capped, the waste material would remain on site;
- long-term maintenance requirements and costs for the cap will be incurred for this area; and
- it is unlikely this process option could be designed and constructed in time for the 1996 spring/summer construction season, thereby allowing the waste to remain in Pit B until the 1996/1997 winter construction season.

5.5 Process Option 3: Off-Site Disposal

5.5.1 Description

This process option involves the use of mechanical excavation equipment to condition the waste, excavate, and load wastes for off-site disposal at a permitted Class I industrial waste landfill. Ex-situ solidification of the excavated waste would be performed at the disposal facility following transportation, if required, to meet regulatory requirements and/or landfill disposal requirements.

The objective of off-site disposal is to remove the source (waste and affected soils) from the Pit B area of the site. Excavated materials would be disposed and managed at a permitted commercial facility; thereby, reducing contaminant mobility.

5.5.2 Identification of Off-Site Disposal Facilities

Waste currently being removed form the North Marsh Area is being transported to the Browning-Ferris Industries (BFI) disposal facility in Anahuac, Texas. In the past, GeoSyntec has also contacted several other disposal facilities located in proximity to the Bailey Superfund Site. These include: the BFI facility near Beaumont, Texas; the

Chem Waste facility in Port Arthur, Texas; and the Chem Waste facility in Lake Charles, Louisiana.

Based on information gathered from the disposal facilities, the nature of the waste within Pit B, and the ongoing removal activities of the North Marsh Area waste, the BFI facility located in Anahuac, Texas, appears to be the most viable candidate for off-site disposal of the Pit B waste. This facility is a Class I industrial waste landfill (non-hazardous) and is located approximately 60 miles (100 km) from the site. In addition, the BFI-Anahuac facility has the capability to solidify the waste at their facility prior to disposal in the landfill. Therefore, the waste could be solidified off-site, if required, provided that the excavated Pit B waste can be properly conditioned, handled, and transported.

For planning purposes, the BFI-Anahuac facility is considered as "preferred" for disposal of the Pit B waste. The criteria used to establish this preference are:

- the evaluation of the Pit B waste characteristics, presented in this document;
- experience gained during the on-going North Marsh Area waste removal work;
- waste acceptance criteria;
- distance from the site;
- disposal costs; and
- the facility's capability to perform waste solidification.

5.5.3 Screening

The screening comments for this process option are provided below.

Effectiveness

Short term. If uncontrolled, excavation of the waste would increase the potential for contaminant exposure for humans, wildlife, precipitation, and stormwater runoff.

The construction activities associated with this process option would result in the need for the following measures to limit human exposure and adverse environmental impacts: (i) dust suppression; (ii) equipment and personnel decontamination facilities; (iii) use of personnel protection equipment; and (iv) stormwater control. Excavation dewatering may also be required, and potentially contaminated ground water and stormwater runoff would need to be properly managed.

Long term. The long-term effectiveness of this process option for the Pit B waste is considered good. The toxicity, mobility, and volume of on-site constituents would be significantly reduced if the waste were excavated and placed in an off-site secure landfill. However, the toxicity and volume of the waste material would ultimately remain unchanged by relocating it. The mobility of the waste material would be reduced by placing it in a Class I industrial waste landfill. Wastes would be solidified, if required, prior to placement in the landfill to facilitate handling, and this would further reduce the mobility of contaminants.

Implementability

Technical. The waste material could be difficult to excavate and load into trucks due to: (i) the composition and consistency of the waste; and (ii) difficulties with controlling seepage into excavations. Waste conditioning may be required to: (i) deactivate any reactive sulfides that exist in the waste above the threshold limit of 500 mg/kg; and (ii) improve materials handling characteristics. Air emissions during excavation, if not adequately managed, could pose a risk to workers at the site. However, these concerns can be addressed by implementing adequate engineering controls, as evidenced by the success of the waste removal activities currently being performed in the North Marsh Area. The approach of only removing isolated areas of waste (e.g., Pit B waste) is consistent with *"Presumptive Remedies for CERCLA Municipal Landfill Sites"* [USEPA, 1993b], which recognizes the difficulties associated with large-scale removal of MSW and establishes containment as a presumptive remedy for CERCLA municipal landfill sites, not off-site disposal.

Administrative. If this technology were selected, the necessary regulatory approvals and requirements could be met with a moderate amount of effort. The removal and off-site disposal of waste from isolated areas is consistent with USEPA presumptive remedies. Permitted disposal facilities for the disposal of the waste are

available in the general proximity of the site. The disposal facility may need to perform some level of solidification of the waste prior to disposal. A new waste code will be required prior to disposal (this is obtained through TNRCC).

Cost

Off-site disposal of wastes within Pit B is considered cost effective because: (i) the volume of the waste would be approximately 4,000 yd^3 (3,060 m^3); (ii) the waste could be conditioned in place then removed and transported without significant difficulty; and (iii) other areas of the site could be remediated using other cost effective process options.

5.5.4 Economic Considerations

Costs for Process Option 3 include: (i) conditioning of the waste in place; (ii) removal of the waste from Pit B; (iii) transportation of the waste to the BFI waste disposal facility located in Anahuac, Texas; (iv) disposal fees; (v) backfilling with clean fill; and (vi) construction of a lightweight cap (as part of the revised remedy) The order of magnitude construction cost for this process option is estimated at $1,037,900. This cost is based on the following assumptions:

- 4,000 yd^3 (3,060 m^3) of material (in-place volume);
- waste conditioning (in place) will be required;
- the waste may be disposed at BFI's Class I industrial waste landfill (non-hazardous) located in Anahuac, Texas;
- pre-disposal solidification of the excavated waste will occur at the disposal facility; and
- the area will be backfilled with clean fill following waste removal.

5.5.5 Other Considerations

The following considerations are also relevant for the implementation of Process Option 3:

- the Pit B waste will be removed from the site, therefore long-term maintenance requirements and costs specifically for the Pit B waste may not be necessary;
- this alternative could be executed during the 1996 construction season as part of the remediation of the North Marsh Area;
- since the wastes can be solidified off site, the time required for on-site activities may be reduced;
- if waste can be removed to the same standard as the North Marsh Area, it is assumed that a cap will not be required, resulting in an estimated cost decrease of approximately $125,300;
- if, following successful waste removal, the area between Pit B and the North Marsh Area is modified, it may be feasible to (i) reduce the quantity of clean backfill required; and (ii) return a part of the area to use as marsh (resulting in a small cost saving and potential mitigation of natural resource damages); and
- based on experience with the Modified North Marsh Area remediation, the off-site disposal option has a strong likelihood of success, and a low potential for implementation problems associated with unforeseen conditions.

6. CONCLUSIONS

Process Option 3 is considered the most desirable disposal option following an evaluation of technical, economic, and regulatory considerations and USEPA's nine-point criteria for evaluating remedial alternatives. The results of a waste conditioning study performed to evaluate waste conditioning requirements are presented as Appendix D.

7. REFERENCES

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TABLES

TABLE 1
SAMPLE DESCRIPTIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

Sample Identification	Sample Type	Description
A1	Waste	Black tarry waste
A1	Soil/Sediment	Grey silty clay
A2	Waste	Black tarry waste
A2D	Waste	Black tarry waste
A3	Waste	Black tarry waste
A4	Waste	Black tarry waste
AB1	Waste	Black tarry waste with rubber crumb
B1	Waste	Black elastic, tarry waste
B2	Waste	Black tarry waste with rubber crumb
B3	Waste	Black tarry waste with rubber crumb
C1	Waste	Black tarry waste with rubber crumb
C2	Waste	Black tarry waste
D1	Waste	Black tarry waste with rubber crumb
D1	Soil/Sediment	Grey soft clay
D2	Waste	Black tarry waste with rubber crumb
D2	Soil/Sediment	Light brown to grey soft clay
D3	Waste	Black tarry waste with rubber crumb
E1	Waste	Black tarry waste with rubber crumb
E1	Soil/Sediment	Grey silty clay
E2	Waste	Black tarry waste with rubber crumb
F1	Waste	Black tarry waste with rubber crumb
F2	Waste	Black tarry waste with rubber crumb
F2	Soil/Sediment	Reddish brown to grey clay
F3	Waste	Black elastic, tarry waste with rubber crumb
F4	Waste	Black tarry waste with possible rubber crumb

TABLE 2
SUMMARY OF ANALYSES AND TESTS PERFORMED
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

WASTE SAMPLES

Sample Identification	TCLP Volatiles	TCLP Semivolatiles	TCLP Metals	Ignitability	Corrosivity (pH)	Reactivity (Cyanide/ Sulfide)	Paint Filter	TCL Volatiles	TCL Semivolatiles	TAL Metals	Cyanide
A1	X	X	X	X	X	X	X				
A2	X	X	X	X	X	X	X				
A2D	X	X	X		X						
A3	X	X	X	X	X	X	X	X	X	X	X
A4	X	X	X	X	X	X	X				
AB1	X	X	X	X	X	X	X				
B1	X	X	X	X	X	X	X	X	X	X	X
B2	X	X	X	X	X	X	X				
B3	X	X	X	X	X	X	X				
C1	X	X	X	X	X	X	X				
C2	X	X	X	X	X	X	X	X	X	X	X
D1	X	X	X	X	X	X	X				
D2	X	X	X	X	X	X	X	X	X	X	X
D3	X	X	X	X	X	X	X				
E1	X	X	X	X	X	X	X	X	X	X	X
E2	X	X	X	X	X	X	X				
F1	X	X	X	X	X	X	X				
F2	X	X	X	X	X	X	X	X	X	X	X
F3	X	X	X	X	X	X	X				
F4	X	X	X	X	X	X	X				

SOIL SAMPLES

Sample Identification	Moisture Content	Percent Passing No. 200 US Standard Sieve	Atterberg Limits	Soil Classification	Hydraulic Conductivity
A1	X	X	X	X	
B2	X	X	X	X	X
D1	X	X	X	X	X
E1	X	X	X	X	
F2	X	X	X	X	

TABLE 3
POSITIVE DETECTIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

		Sample Identification											
Compound	**Units**	**A1**	**A2**	**A2D**	**A3**	**A4**	**AB1**	**B1**	**B2**	**B3**	**C1**	**C2**	**D1**
TCLP EXTRACTION													
Volatile Organics, SW 8260													
1,2-Dichloroethane	ug/L	502	474	410	872	3.29J	1.68J	440	165	<50	238	812	<50
Benzene	ug/L	268	333	310	465	47.3	15.8	277	200	25.4J	222	445	<50
Chlorobenzene	ug/L	<50	<50	<50	<50	<5	1.32J	<50	<50	<50	<50	<50	<50
Semivolatile Organics, SW 8270													
2-Methylphenol	ug/L	<1,000	<1,000	<1,000	<100	<100	29.3J	<510	<100	<100	<100	<500	<102
3-Methylphenol	ug/L	<1,000	232JCE	232JCE	<100	<100	30.8JCE	425JCE	<100	<100	53.3JCE	<500	<102
4-Methylphenol	ug/L	408J	232JCE	232JCE	<100	<100	30.8JCE	425JCE	<100	<100	53.3JCE	<500	<102
Metals, SW 6010													
Arsenic	ug/L	<500	<500	<500	<500	<500	<500	24.0J	46.0J	<500	<500	32.0J	<500
Barium	ug/L	1,080	911	966	455	1,060	1,480	1,110	995	1,000	994	726	1,070
Chromium	ug/L	<50	18.0J	17.0J	9.00J	11.0J	<50	9.00J	<50	<50	<50	<50	<50
Lead	ug/L	31.0J	38.0J	54.0J	<120	27.0J	33.0J	47.0J	40.0J	40.0J	26.0J	19.0J	21.0J
TOTAL ANALYSES													
Volatile Organics, SW 8260													
1,2-Dichloroethane	ug/kg	NA	NA	NA	57,900	NA	NA	8,800	NA	NA	NA	26,900	NA
Tetrachloroethene	ug/kg	NA	NA	NA	<12,500	NA	NA	<625	NA	NA	NA	<1,250	NA
Benzene	ug/kg	NA	NA	NA	59,700	NA	NA	8,800	NA	NA	NA	24,700	NA
Ethylbenzene	ug/kg	NA	NA	NA	118,000	NA	NA	16,700	NA	NA	NA	37,100	NA
Styrene	ug/kg	NA	NA	NA	131,000	NA	NA	13,700	NA	NA	NA	44,000	NA
Toluene	ug/kg	NA	NA	NA	38,800	NA	NA	5,230	NA	NA	NA	14,800	NA
Xylenes (Total)	ug/kg	NA	NA	NA	63,600	NA	NA	9,220	NA	NA	NA	20,400	NA
Semivolatile Organics, SW 8270													
2-Methylnaphthalene	ug/kg	NA	NA	NA	<3,200,000	NA	NA	<4,750,000	NA	NA	NA	<3,060,000	NA
Fluorene	ug/kg	NA	NA	NA	73,600J	NA	NA	<4,750,000	NA	NA	NA	<3,060,000	NA
Naphthalene	ug/kg	NA	NA	NA	355,000J	NA	NA	28,700J	NA	NA	NA	30,500J	NA
Phenanthrene	ug/kg	NA	NA	NA	<3,200,000	NA	NA	<4,750,000	NA	NA	NA	<3,060,000	NA
Metals, SW 6010													
Aluminum	mg/kg	NA	NA	NA	652	NA	NA	3,060	NA	NA	NA	1,490	NA
Antimony	mg/kg	NA	NA	NA	<27.8	NA	NA	3.75J	NA	NA	NA	<31.2	NA
Barium	mg/kg	NA	NA	NA	51.6	NA	NA	201	NA	NA	NA	65.1	NA
Calcium	mg/kg	NA	NA	NA	490	NA	NA	1,250	NA	NA	NA	896	NA
Chromium	mg/kg	NA	NA	NA	36.0	NA	NA	53.2	NA	NA	NA	35.5	NA
Cobalt	mg/kg	NA	NA	NA	1.78J	NA	NA	2.62J	NA	NA	NA	2.38J	NA
Copper	mg/kg	NA	NA	NA	28.0	NA	NA	75.9	NA	NA	NA	60.9	NA
Iron	mg/kg	NA	NA	NA	2,170	NA	NA	9,860	NA	NA	NA	4,780	NA
Magnesium	mg/kg	NA	NA	NA	127	NA	NA	473	NA	NA	NA	505	NA
Manganese	mg/kg	NA	NA	NA	11.8	NA	NA	58.1	NA	NA	NA	41.8	NA
Nickel	mg/kg	NA	NA	NA	3.55J	NA	NA	6.50	NA	NA	NA	7.25	NA
Potassium	mg/kg	NA	NA	NA	64.7J	NA	NA	196	NA	NA	NA	433	NA
Silver	mg/kg	NA	NA	NA	1.22J	NA	NA	<6.25	NA	NA	NA	<6.25	NA
Sodium	mg/kg	NA	NA	NA	488	NA	NA	960	NA	NA	NA	1,220	NA
Vanadium	mg/kg	NA	NA	NA	2.44J	NA	NA	5.00J	NA	NA	NA	3.88J	NA
Zinc	mg/kg	NA	NA	NA	52.1	NA	NA	204	NA	NA	NA	73.5	NA

TABLE 3 (continued)
POSITIVE DETECTIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

		Sample Identification											
Compound	**Units**	**A1**	**A2**	**A2D**	**A3**	**A4**	**AB1**	**B1**	**B2**	**B3**	**C1**	**C2**	**D1**
Metals, SW 7000 Series													
Arsenic (SW 7060)	mg/kg	NA	NA	NA	1	NA	NA	2	NA	NA	NA	1	NA
Lead (SW 7421)	mg/kg	NA	NA	NA	24	NA	NA	90	NA	NA	NA	25	NA
Selenium (SW 7740)	mg/kg	NA	NA	NA	<0.4930	NA	NA	0.212J	NA	NA	NA	<0.64	NA
Thallium (SW 7841)	mg/kg	NA	NA	NA	<0.1970	NA	NA	0	NA	NA	NA	<0.256	NA
MISCELLANEOUS ANALYSES													
Reactive Cyanide (SW 846)	mg/kg	<200	<200	NA	<200	<200	<200	<200	<200	<200	<200	<200	<200
Reactive Sulfide (SW 846)	mg/kg	<400	950	NA	1,800	<400	580	580	<400	1,800	1,500	<400	690
Solid pH (SW 9045)	NA	4.59	4.58	4.75	4.04	6.62	6.48	4.98	5.53	6.79	5.63	4.45	6.59
Moisture Content (ASTM D 2216)	Percent	41	59	61	31	74	44	45	63	73	69	44	44
Ignitability W/S (EPA 1010)	°F	NF<200	NF<200	NA	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200
Paint Filter Test (SW 9095)	Pass/Fail	Fail	Fail	NA	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail

NOTES:
NA: Not analyzed.
J: Estimated concentation; reported value is less than the SQL.
CE: Coelution of peaks occurred.

TABLE 3 (continued)
POSITIVE DETECTIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

		Sample Identification							
Compound	**Units**	**D2**	**D3**	**E1**	**E2**	**F1**	**F2**	**F3**	**F4**
TCLP EXTRACTION									
Volatile Organics, SW 8260									
1,2-Dichloroethane	ug/L	22.1J	<50	57.6	45.8J	113	475	235	476
Benzene	ug/L	79.3	87.9	1,350	1,130	1,910	1,780	1,440	689
Chlorobenzene	ug/L	<50	<50	<50	<50	<50	<50	<50	<50
Semivolatile Organics, SW 8270									
2-Methylphenol	ug/L	29.5J	<101	20.9J	<100	36.7J	<500	42.3J	104
3-Methylphenol	ug/L	103CE	52.0JCE	87.1JCE	69.6JCE	103CE	372JCE	184CE	245CE
4-Methylphenol	ug/L	103CE	52.0JCE	87.1JCE	69.6JCE	103CE	372JCE	184CE	245CE
Metals, SW 6010									
Arsenic	ug/L	<500	30.0J	<500	<500	<500	<500	37.0J	47.0J
Barium	ug/L	1,670	1,440	1,480	1,910	3,100	925	899	626
Chromium	ug/L	<50	<50	19.0J	<50	30.0J	16.0J	<50	<50
Lead	ug/L	42.0J	57.0J	36.0J	38.0J	54.0J	106J	55.0J	110J
TOTAL ANALYSES									
Volatile Organics, SW 8260									
1,2-Dichloroethane	ug/kg	585J	NA	1220J	NA	NA	10,000	NA	NA
Tetrachloroethene	ug/kg	<625	NA	<2500	NA	NA	2,120J	NA	NA
Benzene	ug/kg	2,460	NA	33,100	NA	NA	65,600	NA	NA
Ethylbenzene	ug/kg	9,570	NA	84,700	NA	NA	61,100	NA	NA
Styrene	ug/kg	1,740	NA	6,560	NA	NA	18,700	NA	NA
Toluene	ug/kg	1,790	NA	25,600	NA	NA	49,200	NA	NA
Xylenes (Total)	ug/kg	4,320	NA	47,100	NA	NA	74,400	NA	NA
Semivolatile Organics, SW 8270									
2-Methylnaphthalene	ug/kg	<3,490,000	NA	<4,690,000	NA	NA	75,800J	NA	NA
Fluorene	ug/kg	<3,490,000	NA	<4,690,000	NA	NA	18,300J	NA	NA
Naphthalene	ug/kg	<3,490,000	NA	507,000J	NA	NA	73,200J	NA	NA
Phenanthrene	ug/kg	<3,490,000	NA	<4,690,000	NA	NA	35,000J	NA	NA
Metals, SW 6010									
Aluminum	mg/kg	9,000	NA	8,640	NA	NA	3,020	NA	NA
Antimony	mg/kg	<67.5	NA	11.3J	NA	NA	5.38J	NA	NA
Barium	mg/kg	623	NA	654	NA	NA	2,960	NA	NA
Calcium	mg/kg	5,300	NA	12,500	NA	NA	5,980	NA	NA
Chromium	mg/kg	146	NA	170	NA	NA	103	NA	NA
Cobalt	mg/kg	14.6	NA	10.8J	NA	NA	12.1	NA	NA
Copper	mg/kg	142	NA	115	NA	NA	165	NA	NA
Iron	mg/kg	21,600	NA	35,800	NA	NA	36,700	NA	NA
Magnesium	mg/kg	2,250	NA	2,220	NA	NA	1,040	NA	NA
Manganese	mg/kg	183	NA	225	NA	NA	176	NA	NA
Nickel	mg/kg	18.4	NA	14.8	NA	NA	20.7	NA	NA
Potassium	mg/kg	994	NA	983	NA	NA	430	NA	NA
Silver	mg/kg	<13.5	NA	<13.4	NA	NA	1.34J	NA	NA
Sodium	mg/kg	4,910	NA	3,350	NA	NA	2,600	NA	NA
Vanadium	mg/kg	17.3	NA	16.9	NA	NA	15.0	NA	NA
Zinc	mg/kg	698	NA	1,400	NA	NA	323	NA	NA

TABLE 3 (continued)
POSITIVE DETECTIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

		Sample Identification							
Compound	**Units**	**D2**	**D3**	**E1**	**E2**	**F1**	**F2**	**F3**	**F4**
Metals, SW 7000 Series									
Arsenic (SW 7060)	mg/kg	5	NA	7	NA	NA	23	NA	NA
Lead (SW 7421)	mg/kg	208	NA	208	NA	NA	832	NA	NA
Selenium (SW 7740)	mg/kg	0.274J	NA	<1.32	NA	NA	0.521J	NA	NA
Thallium (SW 7841)	mg/kg	0.352J	NA	0.347J	NA	NA	0.234J	NA	NA
MISCELLANEOUS ANALYSES									
Reactive Cyanide (SW 846)	mg/kg	<200	<200	<200	<200	<200	<200	<200	<200
Reactive Sulfide (SW 846)	mg/kg	1,600	1,300	1,200	880	1,300	700	<400	<400
Solid pH (SW 9045)	NA	6.17	6.68	6.56	6.69	5.40	5.06	5.52	5.38
Moisture Content (ASTM D 2216)	Percent	73	75	72	68	59	62	50	52
Ignitability W/S (EPA 1010)	°F	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200	NF<200
Paint Filter Test (SW 9095)	Pass/Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail

NOTES:
NA: Not analyzed.
J: Estimated concentation; reported value is less than the SQL.
CE: Coelution of peaks occurred.

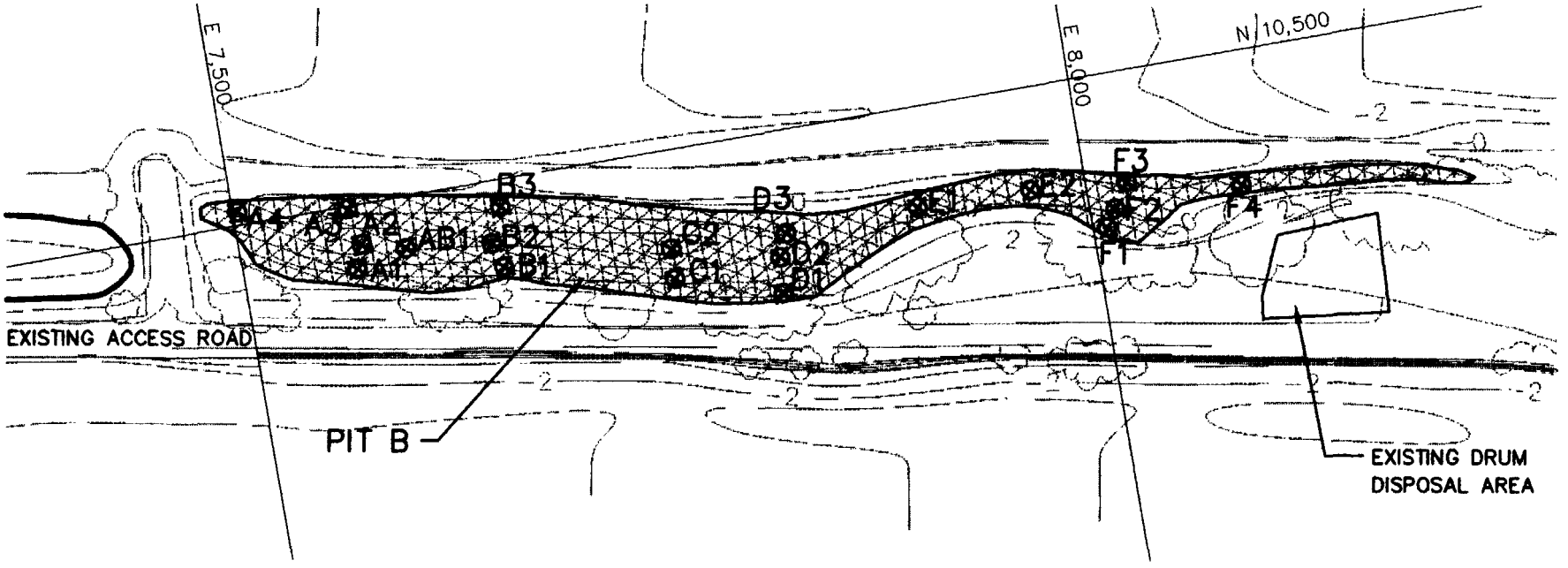
TABLE 4
POSITIVE DETECTIONS AND TCLP LIMITS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

	Analyte TCLP Limit (ug/L)												
Sample Identification	Arsenic 5,000	Barium 100,000	Chromium 5,000	Cadmium 1,000	Lead 5,000	Benzene 500	1,2-Dichloroethane 500	Chlorobenzene 100,000	Trichloroethene 500	4-Methyl Phenol 200,000	2-Methyl Phenol 200,000	3-Methyl Phenol 200,000	Total Cresols 200,000
A1	<500	1,080	<50	<10	31	268	502	<50	<50	408	<1,000	<1,000	408
A2	<500	911	18	<10	38	333	474	<50	<50	232	<100	232	464
A3	<500	455	9	<10	<120	465	872	<50	<50	<100	<100	<100	<100
A4	<500	1,060	11	<10	27	47	3	<50	<50	<100	<100	<100	<100
AB1	<500	1,480	<50	<10	33	16	2	1	<50	31	29	31	62
B1	24	1,110	9	<10	47	277	440	<50	<50	43	<100	<100	43
B2	46	995	<50	<10	40	200	165	<50	<50	<100	<100	<100	<100
B3	<500	1,000	<50	<10	40	25	<50	<50	<50	<100	<100	<100	<100
C1	<500	994	<50	<10	26	222	238	<50	<50	53	<100	53	107
C2	32	726	<50	<10	19	445	812	<50	<50	<500	<500	<500	<500
D1	<500	1,070	<50	<10	21	<50	<50	<50	<50	<100	<100	<100	<100
D2	<500	1,670	<50	<10	42	79	22	<50	<50	103	30	<100	103
D3	30	1,440	<50	<10	57	88	<50	<50	<50	52	<100	<100	52
E1	<500	1,480	19	<10	36	1,350	58	<50	<50	87	21	<100	87
E2	<500	1,910	<50	<10	38	1,130	46	<50	<50	70	<100	<100	70
F1	<500	3,100	30	<10	54	1,910	113	<50	<50	103	37	<100	103
F2	<500	925	16	<10	106	1,780	475	<50	<50	372	<500	<500	372
F3	37	899	<50	<10	55	1,440	235	<50	<50	184	42	<100	184
F4	47	626	<50	<10	110	689	476	<50	<50	245	104	<100	245
GPBW1 (a)	30	3,100	28	<1	<15	1,800	100	<10	<50	NA	NA	NA	140
GPBW2 (a)	40	2,900	80	2	<15	70	<10	<10	<50	NA	NA	NA	176
GPBW3 (a)	<30	1,100	4	<1	<15	150	100	<10	<50	NA	NA	NA	200
GPBW4 (a)	<30	1,800	3	<1	19	440	420	<10	43	NA	NA	NA	<100

NOTES:
TCLP results reported in ug/L.
[redacted]: indicates an exceedance of TCLP criteria.
NA: Not analyzed separately.
(a): Data collected from Supplemental Pit B Site Investigation [GeoSyntec, 1996b].

FIGURES

PIT B SAMPLE LOCATIONS
PIT B PRE-DESIGN STUDY
BAILEY SUPERFUND SITE



LEGEND

A4 DESIGNATION AND LOCATION OF SAMPLES

APPROXIMATE LIMITS OF PIT B

NOTE:

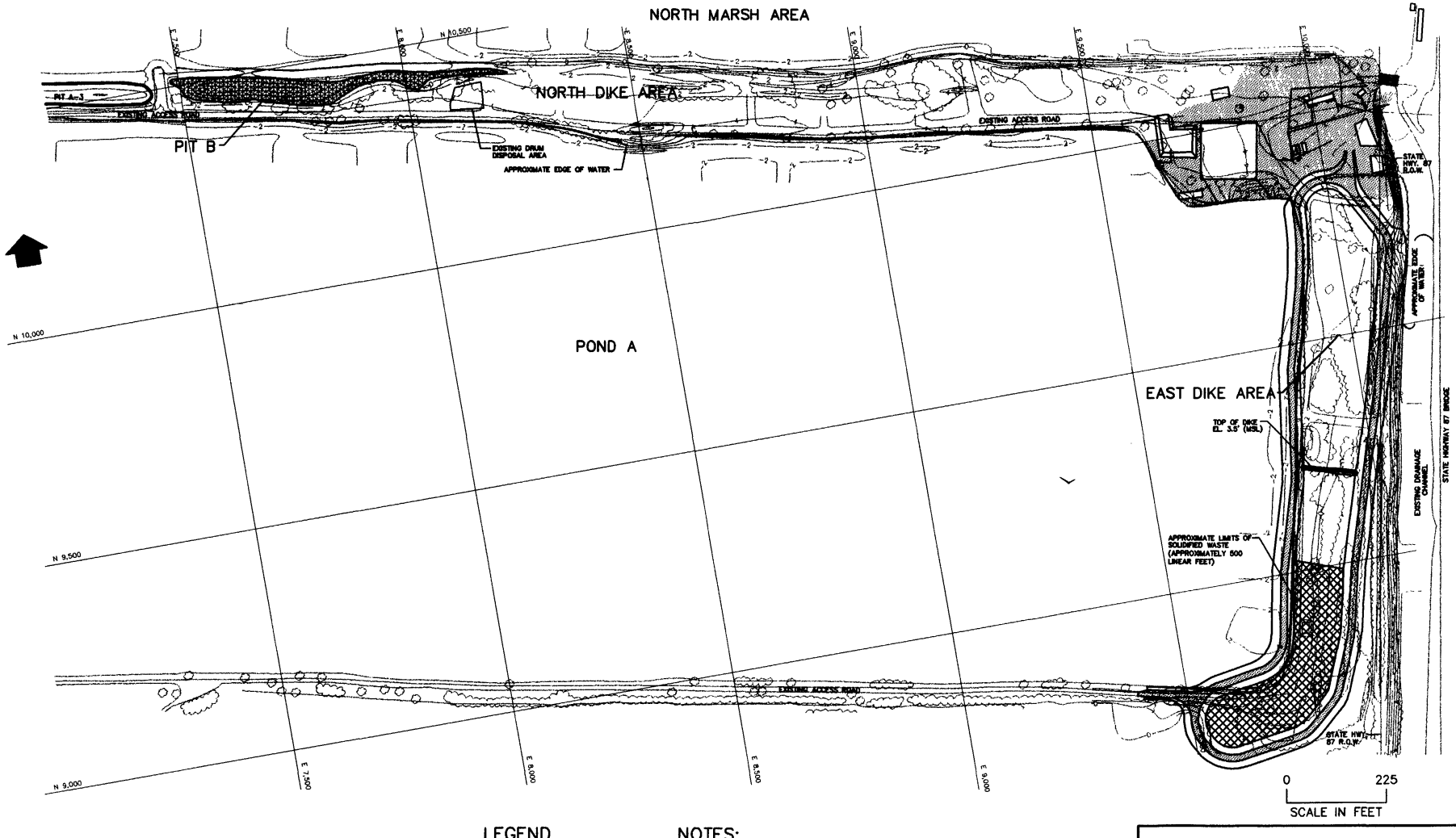
BASE MAP PREPARED BY HARDING LAWSON ASSOCIATES, HOUSTON, TEXAS.

0 100
SCALE IN FEET

GEOSYNTEC CONSULTANTS
ATLANTA, GEORGIA

FIGURE NO.	2
PROJECT NO.	GE3913-205
DOCUMENT NO.	GA960300
FILE NO.	3913F201

SITE PLAN
BAILEY SUPERFUND SITE



LEGEND

- APPROXIMATE LIMITS OF SOLIDIFIED WASTE
- APPROXIMATE LIMITS OF PIT B
- APPROXIMATE LIMITS OF GRAVEL SURFACING

NOTES:

BASE MAP PREPARED BY HARDING LAWSON ASSOCIATES, HOUSTON, TEXAS.

GEOSYNTEC CONSULTANTS
ATLANTA, GA

PROJECT NO.	GE3913-501	FIGURE NO.	1
DOCUMENT NO.	GA960091	FILE NO.	3913F300

APPENDIX A

STATISTICAL CALCULATIONS

A.1 Data Set Characterization

A.1.1 Data Set Identification and Sorting

Statistical methods were used to evaluate and interpret the validated data generated during the Pit B Pre-design Study (Pit B PDS). The purpose of this analysis is to determine whether the Pit B waste contains a constituent in excess of its characteristically hazardous concentration. For this analysis, the data were pooled with those obtained during the Supplemental Site Investigation at Pit B conducted in November, 1995. For any analyte for which at least one positive detection exceeded its characteristically hazardous concentration, a 95% confidence upper confidence limit of the mean was established and compared to the applicable regulatory value.

A.1.2 Frequency of Detection Sorting

The statistical methods that were used to compute UCLs are largely dependent on the frequency of detection of a given analyte within a given data set. Given the fact that a non-detected result in and of itself implies some uncertainty of the concentration of a result between the sample-specific sample quantitation limit (SQL) and zero (0), the handling of non-detects for statistical purposes is paramount. Furthermore, as the proportion of non-detects in a data set increases, so does the uncertainty in the summary statistics computed on these types of data sets. For this reason, USEPA [1992] recommends different procedures for dealing with data sets containing certain ranges of non-detects. USEPA [1992] recommends the segregation, by proportion of non-detects, of data sets into four classes, each of which utilizes different methods to compute a valid UCL on the principal indicator of central tendency. These classes are listed below:

A. Data Sets Containing Between 0% and 15% Non-Detects
B. Data Sets Containing Between 15% and 50% Non-Detects
C. Data Sets Containing Between 50% and 90% Non-Detects
D. Data Sets Containing Between 90% and less than 100% Non-Detects

For the purposes of the Pit B PDS, GeoSyntec classified the data sets listed above as types A, B, C, and D, respectively. Statistical analysis procedures for each type of data set are described individually below.

A.2 Data Set Specific Statistical Analysis Procedures

A description of the types of summary statistics computed and statistical procedures to be used on each data set type are provided below by data set type under consideration.

A.2.1 Summary Statistics

As a component of the statistical analysis, several summary statistical parameters were computed for certain types of data sets. These summary statistics and the data set types to which they were applied are summarized below.

A.2.1.1 Mean

The mean is the average of the values in the data set. It was computed according to the formula:

$$\bar{x} = \sum_{i=1}^{n} \frac{x_i}{n}$$

where:

n = the number of points in the data set
x_i = an individual datum within the data set
$\bar{x}$ = the data set mean

Means were computed for Data Set Types A and B only.

A.2.1.2 Standard Deviation

The standard deviation of a data set is the square root of the mean squared deviations from the data set mean. It was computed according to the formula:

$$s = \sqrt{\frac{\sum_{i=1}^{n} (x_i - \bar{x})}{(n-1)}}$$

where:

s = the data set standard deviation
n = the number of points in the data set
x_i = an individual datum within the data set
$\bar{x}$ = the data set mean

Standard deviations were computed for Data Set Types A and B only.

A.2.1.3 Median

The median is the middle value (50% quantile) in a data set when the number of points in the data set is odd. It is computed as the midpoint between the two middle values (midpoint of the 50% quantile) when the number of points in the data set is even. The median was computed for all data set types (A through D).

A.2.2 Data Set Type A (0%-15% Non-Detects)

For data sets falling into this category, one-half of the sample-specific SQL was substituted for the non-detected values. The Shapiro-Wilk W test for normality [Shapiro and Wilk, 1965] was then conducted on the data set at 95% confidence (a=0.05), with one-half of the SQLs substituted for the non-detected values.

The Shapiro-Wilk W test is an effective test of whether the underlying distribution being tested is normally distributed. Data normality is a prerequisite to the computation of certain types of statistical intervals (e.g., parametric upper confidence limits (UCLs)). A discussion of this testing procedure follows. In the Shapiro-Wilk Test, the following hypothesis is tested [Gilbert, 1987]:

H_0 : The population has a normal distribution
H_1 : The population does not have a normal distribution

If H_0 is rejected, then H_1 is accepted and the population is concluded to not be normally distributed. If H_0 cannot be rejected, then there is no reason to doubt that the population is normally distributed, given the data set tested. To make this determination, a W test statistic was computed. The denominator, d, of this statistic was computed using the formula:

$$d = \sum_{i=1}^{n} (x_i - \bar{x})^2$$

where:

n = the number of points in the data set
x_i = an individual datum within the data set
$\bar{x}$ = the data set mean

Then the data were ordered from largest to smallest to obtain sample order statistics. For example:

$$x_1 \leq x_2 \leq \ldots \leq x_n$$

Then, k was computed by the following formula:

$$k = n/2 \text{ if } n \text{ is even}$$

$$k = (n-1)/2 \text{ if } n \text{ is odd}$$

The coefficients $a_1, a_2, a_3, \ldots, a_n$ were then determined from tabulated values provided in Gilbert [1987], and the W test statistic was computed by the formula:

$$W = \frac{1}{d}\left[\sum_{i=1}^{k} a_i \left(x_{[n-i+1]} - x_{[i]}\right)\right]^2$$

If the W statistic was less than the W quantile at a=0.05 (95% confidence) (provided in Gilbert, [1987]), or if the P value of the test was less than a (0.05), then H_0 was rejected, and the population was concluded to be not normal. If the W statistic exceeded the W quantile at a=0.05 (95% confidence), or if the P value of the test was greater than a (0.05), then H_0 was not rejected, and there was no reason to doubt the normality of the population. The P value of this test is the probability associated with the computed W statistic. If it is less than the significance level (a) selected for the test, this is an indicator that the null hypothesis should be rejected. If is not less than the significance level selected for the test, then this is an indicator that the null hypothesis is probably appropriate and should be retained.

If these data tested positive for being normally distributed, then a parametric UCL at 95% confidence was constructed on the data set according to the methods outlined by USEPA [1986, 1989, and 1992]. A parametric UCL is a statistical interval that is designed to estimate the mean of the population with a given level of confidence.

UCLs were computed by the following formula [USEPA, 1986, 1989, and 1992]:

$$UCL = \bar{x} + t_{0.05,(n-1)} \times \frac{s}{\sqrt{n}}$$

where:

$\bar{x}$ = the data set mean
s = the data set standard deviation
n = the number of points in the data set
$t_{0.05,(n-1)}$ = Student's t statistic at 95% confidence and $(n-1)$ degrees of freedom

If the data did not test positive for normality, then the natural logarithms of the data were computed, using one-half of the SQL as an input parameter. The SQLs were halved prior to logarithmic transformation. The natural logarithms of the data set (with the natural logarithm of one-half of the SQL substituted) were tested for normality using the Shapiro-Wilk W test at 95% confidence (a=0.05) as described above. If the natural logarithms of the data tested positive as being normally distributed, then a parametric UCL that achieved 95% confidence was constructed on the log-transformed data set as described above. In this case, the UCL of the logarithms was compared to the logarithm of the regulatory limit to determine whether a compound is present at a concentration exceeding the hazardous threshold. If the natural logarithms of the data did not test normal as described above, then a non-parametric UCL that achieved a confidence of 95% was placed on the median according to the general nonparametric method for estimating quantiles outlined in Gilbert [1987].

This method is outlined below. The data are first ordered from smallest to largest as follows. For this application, the SQL is used as the input parameter for these calculations.

$$x_1 \leq x_2 \leq \ldots \leq x_n$$

If n>20, the one-sided upper limit is given by the following formula.

$$u = p(n+1) + Z_{(1-\alpha)}\sqrt{np(1-p)}$$

where:

p= the quantile (percentile) of interest; for the median, p=0.5
n= the number of points in the data set
Z= the normal statistic at (1-α)% confidence

The value computed for u represents the rank (order) of the value corresponding to the 95% UCL on the median. If, for example, u=13, the 95% UCL is the thirteenth value from the minimum, or x_{13}. If u is not an integer, linear interpolation can be used to determine the value for the UCL which lies between the two ordered statistics bounded by u.

A.2.3 Data Set Type B (15%-50% Non-Detects)

A.2.3.1 Normality Testing

To determine the normality of these types of data sets, Censored and Detects Only Probability Plots were constructed according to procedures outlined in USEPA [1992]. To construct the Censored Probability Plot, the combined set of detects and non-detects was ordered, with non-detects being assigned arbitrary, but distinct ranks. The ith ordered value of the sample was designated as x_i, and m_i represents the approximate expected value of the ith ordered normal quantile, calculated as follows:

$$m_i = \Phi^{-1}\left(\frac{i}{(n+1)}\right)$$

where Φ^{-1} is the inverse of the standard Normal distribution with zero mean and unit variance. The values for x_i were plotted on the x axis whereas the values for m_i were plotted on the y axis.

To construct the Detects Only Probability Plot, the non-detects were completely ignored and the detects only were ordered. Values for m_i and x_i were computed as described earlier and plotted as described for the Censored Probability Plot.

To ascertain which adjustment procedure should be used, the correlation coefficient, r, of both the Censored and Detects Only Probability Plots was computed by the formula provided by Ott (1984):

$$r = \frac{\sum_{i=1}^{n}(x_i)(m_i) - \frac{\left[\sum_{i=1}^{n} x_i\right]\left[\sum_{i=1}^{n} m_i\right]}{n}}{\sqrt{\left[\sum_{i=1}^{n} x_i^2 - \frac{\left(\sum_{i=1}^{n} x_i\right)^2}{n}\right]\left[\sum_{i=1}^{n} m_i^2 - \frac{\left(\sum_{i=1}^{n} m_i\right)^2}{n}\right]}}$$

An equivalent formula for the computation of r is provided in USEPA [1992]. The absolute value of r for the probability plots of the original (non-transformed) data set were compared for both the Censored and Detects Only Probability Plots. The plot with the highest r is the more linear, and the adjustment technique (Cohen's or Aitchison's) associated with the more linear plot was used to adjust the mean and standard deviation. The correlation coefficient of the most linear plot was compared to tabulated values in USEPA [1992]; if it exceeded the appropriate critical value tabulated therein, then normality was concluded.

If a data set was concluded to be not normally distributed, then the natural logarithms of the data set were computed. The above testing regime was applied to them, and a similar comparison of correlation coefficients was made.

In the event that none the data were neither normally nor lognormally distributed, then a non-parametric UCL was placed on the median according the generalized method for estimation of quantiles presented by Gilbert [1987] and compared to the appropriate regulatory value.

A.2.3.2 Cohen's Adjustment Procedures

The construction of a Censored Probability Plot is a test of the underlying assumptions of Cohen's adjustment method, specifically that non-detects are real values that exist below the SQL and that have been censored at their detection limit. If the data plotted in the Censored Probability Plot were more linear than the Detects Only Probability Plot (i.e., if the absolute value of the Censored Probability Plot r value exceeded that of the Detects Only Probability Plot) and if the SQLs of the non-detected values did not vary, then Cohen's adjustment [Cohen, 1959 as reported in USEPA, 1989] was used to correct the mean and standard deviation of the original data set if the data set was normally distributed or of the log-transformed data if the data set was lognormally distributed.

If any of the criteria required for the use of Cohen's adjustment (as outlined in paragraph one of this subsection) were not satisfied, or if, based on best professional judgment, the

assumptions governing the use of Aitchison's adjustment were more germane to the data set under consideration, then the latter procedure (Aitchison's adjustment) was considered.

A.2.3.3 Aitchison's Adjustment Procedures

The Detects Only Probability Plot is a test of the underlying assumptions of Aitchison's adjustment, specifically that non-detects represent zero values and that non-detects and detects follow separate probability distributions. If the Detects Only Probability Plot was more linear (i.e., the absolute value of the correlation coefficient of it exceeded that of the Censored Probability Plot) than the Censored Probability Plot, or if the SQLs of the non-detected values vary, then Aitchison's adjustment [Aitchison, 1955 as reported in USEPA, 1992] was used to correct the mean and standard deviation of the original data set only. This procedure was not applied to log-transformed data sets because of a statistical anomaly in the adjustment procedure.

Aitchison's procedure adjusts the detected mean and standard deviation by the following equations:

$$\hat{\mu} = \left(1 - \frac{d}{n}\right)\bar{x}_d$$

$$\hat{\sigma}^2 = \frac{n-(d+1)}{n-1}\left(s_d^{\,2}\right) + \left(\frac{d}{n}\right)\left(\frac{n-d}{n-1}\right)\bar{x}_d^{\,2}$$

where:

$\hat{\mu}$ = the adjusted mean
$\hat{\sigma}^2$ = the adjusted variance
$\bar{x}_d$ = the detected mean
$s_d^{\,2}$ = the detected variance
d = the number of non-detects
n = the total number of data points

A.2.3.4 UCL Calculation

Regardless of the adjustment method employed, if the data set was normally distributed, a parametric UCL that obtained 95% confidence was constructed as described previously, using the adjusted mean and variance.

If the data set was neither normally nor lognormally distributed, or if the data set was normally or lognormally distributed but either adjustment could not be performed for reasons specific to each and described above, then a non-parametric UCL was placed on the median using the method outlined by Gilbert [1987] for general nonparametric estimation of quantiles.

This value was compared to the regulatory limit to determine whether constituents were present at concentrations at levels exceeding hazardous levels.

A.2.4 Data Set Type C (50%-90% Non-Detects)

A non-parametric UCL at 95% confidence was placed on the data set median using the method outlined by Gilbert [1987] for general nonparametric estimation of quantiles without any *a priori* distribution testing. No testing was needed in this case because the proportion of non-detects was so large that any assumptions or adjustments used to compensate for them would be meaningless due to the large degree of uncertainty in these data sets.

A.3 Statistical Calculations

A.3.1 Benzene

SAM	VALUE	LOGS
A1	268	5.59099
A2	333	5.80814
A3	465	6.14204
A4	47.3	3.85651
AB1	15.8	2.76001
B1	277	5.62402
B2	200	5.29832
B3	25.4	3.23475
C1	222	5.40268
C2	445	6.09807
D1	<50	3.21888
D2	79.3	4.37324
D3	87.9	4.4762
E1	1350	7.20786
E2	1130	7.02997
F1	1910	7.55486
F2	1780	7.48437
F3	1440	7.2724
F4	689	6.53524
GPBW1	1800	7.49554
GPBW2	70	4.2485
GPBW3	150	5.01064
GPBW4	440	6.08677

There is one non-detect in this data set, corresponding to a percentage of non-detects of 4.3%. Therefore, the protocol for Data Set Type A was used to compute a 95% UCL.

Normality Test (Raw Data):

$W_{stat} = 0.790029$ W_{crit} (95%) = 0.914

Reject H_0, conclude raw data are not normally distributed at 95% confidence.

Normality Test (Logarithms):

$W_{stat} = 0.9458$ W_{crit} (95%) = 0.914

Cannot reject H_0, no reason to doubt the normality of the log-transformed data at 95% confidence.

UCL Computation

The UCLs will be calculated based on the logged data.

$\bar{x}_{\log} = 5.5569$

$s_{\log} = 1.469205$

$n = 23$

$t_{0.05,22} = 1.717$

$$UCL = \bar{x}_{\log} + t_{0.05,22} \frac{s_{\log}}{\sqrt{n}}$$

$$UCL = 5.5569 + 1.717 \times \frac{1.469205}{\sqrt{23}} = 6.0821$$

The TCLP value for benzene is 500 µg/L. The natural logarithm of this value is 6.21.

The UCL for benzene is less than the logarithm of the TCLP value; therefore benzene is not present at hazardous concentrations in the Pit B waste.

A.3.2 1,2-Dichloroethane

SAM	VAL2	LOGS
A1	502	6.2186
A2	474	6.16121
A3	872	6.77079
A4	3.29	1.19089
AB1	1.68	0.51879
B1	440	6.08677
B2	165	5.10595
B3	<50	3.21888
C1	238	5.47227
C2	812	6.6995
D1	<50	3.21888
D2	22.1	3.09558
D3	<50	3.21888
E1	57.6	4.05352
E2	45.8	3.82428
F1	113	4.72739
F2	475	6.16331
F3	235	5.45959
F4	476	6.16542
GPBW1	100	4.60517
GPBW2	<10	1.6094
GPBW3	100	4.60517
GPBW4	420	6.04025

There are four non-detects out of a total of 23 points. This corresponds to a proportion of non-detects of 17.4%. Therefore, the data set will be handled according to the procedures outlined for Data Set Type B.

Normality Testing

Untransformed Data (Censored Probability Plot):

OBS	CODE	VALUE	NORMAL
1	N	502.00	1.15035
2	N	474.00	0.67449
3	N	872.00	1.73166
4	N	3.29	-1.38299
5	N	1.68	-1.73166
6	N	440.00	0.54852
7	N	165.00	0.10463
8	N	238.00	0.31864
9	N	812.00	1.38299
10	N	22.10	-0.96742
11	N	57.60	-0.31864
12	N	45.80	-0.81222
13	N	113.00	-0.00000
14	N	475.00	0.81222
15	N	235.00	0.21043
16	N	476.00	0.96742
17	N	100.00	-0.15753
18	N	100.00	-0.15753
19	N	420.00	0.43073

Note: "N" indicates a detected value

The correlation coefficient for the line fitted to this data is 0.911; the critical value at 95% confidence is 0.947. Therefore, it can be concluded that the data are not normally distributed under the assumptions for Cohen's adjustment.

Untransformed Data (Detects Only Probability Plot)

OBS	CODE	VALUE	NORMAL
1	N	502.00	1.03643
2	N	474.00	0.52440
3	N	872.00	1.64485
4	N	3.29	-1.28155
5	N	1.68	-1.64485
6	N	440.00	0.38532
7	N	165.00	-0.12566
8	N	238.00	0.12566
9	N	812.00	1.28155
10	N	22.10	-1.03643
11	N	57.60	-0.67449
12	N	45.80	-0.84162
13	N	113.00	-0.25335
14	N	475.00	0.67449
15	N	235.00	-0.00000
16	N	476.00	0.84162
17	N	100.0	-0.45486
18	N	100.00	-0.45486
19	N	420.00	0.25335

Note: "N" indicates a detected value

The correlation coefficient for the line fitted to this data is 0.947009; the critical value at 95% confidence is 0.947. Therefore, it can be concluded that the data are normally distributed under the assumptions for Aitchison's adjustment.

Log-Transformed Data (Censored Probability Plot)

OBS	CODE	VALUE	LOGS	NORMAL
1	N	502.00	6.21860	1.15035
2	N	474.00	6.16121	0.67449
3	N	872.00	6.77079	1.73166
4	N	3.29	1.19089	-1.38299
5	N	1.68	0.51879	-1.73166
6	N	440.00	6.08677	0.54852
7	N	165.00	5.10595	0.10463
8	N	238.00	5.47227	0.31864
9	N	812.00	6.69950	1.38299
10	N	22.10	3.09558	-0.96742
11	N	57.60	4.05352	-0.31864
12	N	45.80	3.82428	-0.81222
13	N	113.00	4.72739	-0.00000
14	N	475.00	6.16331	0.81222
15	N	235.00	5.45959	0.21043
16	N	476.00	6.16542	0.96742
17	N	100.00	4.60517	-0.15753
18	N	100.00	4.60517	-0.15753
19	N	420.00	6.04025	0.43073

Note: "N" indicates a detected value; "LOGS" are the natural logarithms of the values; NORMAL are the normalized logs.

The correlation coefficient for the line fitted to this data is 0.9543 the critical value at 95% confidence is 0.947. Therefore, it can be concluded that the data are lognormally distributed under the assumptions for Cohen's adjustment.

Log-Transformed Data (Detects Only Probability Plot)

OBS	CODE	VALUE	LOGS	NORMAL
1	N	502.00	6.21860	1.03643
2	N	474.00	6.16121	0.52440
3	N	872.00	6.77079	1.64485
4	N	3.29	1.19089	-1.28155
5	N	1.68	0.51879	-1.64485
6	N	440.00	6.08677	0.38532
7	N	165.00	5.10595	-0.12566
8	N	238.00	5.47227	0.12566
9	N	812.00	6.69950	1.28155
10	N	22.10	3.09558	-1.03643
11	N	57.60	4.05352	-0.67449
12	N	45.80	3.82428	-0.84162
13	N	113.00	4.72739	-0.25335
14	N	475.00	6.16331	0.67449
15	N	235.00	5.45959	-0.00000
16	N	476.00	6.16542	0.84162
17	N	100.00	4.60517	-0.45486
18	N	100.00	4.60517	-0.45486
19	N	420.00	6.04025	0.25335

Note: "N" indicates a detected value; "LOGS" are the natural logarithms of the values; NORMAL are the normalized logs.

The correlation coefficient for the line fitted to this data is 0.922; the critical value at 95% confidence is 0.947. Therefore, it can be concluded that the data are not lognormally distributed under the assumptions for Aitchison's adjustment.

The Detects Only Probability Plot for the untransformed data set showed significant linearity such that a conclusion of data normality was reached for the data under the assumptions for Aitchison' adjustment. The log-transformed data were also found to be normally distributed under the assumptions for Cohen's adjustment; however, since Cohen's adjustment requires a non-varying SQL and since the current data set has a variable SQL, it was not applied. Rather, Aitchison's adjustment was applied to the untransformed data set to adjust the mean and variance and a UCL was applied to the data set using the adjusted mean and variance.

UCL Calculation

The UCLs will be calculated based on the untransformed data.

Aitchison's Adjustment

$\bar{x}_d = 292.2353$
$s_d = 266.0161$
$d = 4$
$n = 23$

$$\hat{\mu} = \left(1 - \frac{4}{23}\right)(292.2353) = 241.4117$$

$$\hat{\sigma}^2 = \frac{23-(4+1)}{23-1}(266.0161)^2 + \left(\frac{4}{23}\right)\left(\frac{23-4}{23-1}\right)(292.2353)^2 = 70723.816$$

$$\hat{\sigma} = 265.9394$$

UCL Calculations

$\hat{\mu} = 241.4117$

$\hat{\sigma} = 265.9394$

$n = 23$

$t_{0.05,22} = 1.717$

$$UCL = \hat{\mu} + t_{0.05,22}\frac{\hat{\sigma}}{\sqrt{n}}$$

$$UCL = 241.4117 + 1.717 \times \frac{265.9394}{\sqrt{23}} = 336.623$$

The TCLP value for 1,2-dichloroethane is 500 µg/L. The UCL on the 1,2-dichloroethane data is 336.623.

The UCL for 1,2-dichloroethane is less than the TCLP value; therefore 1,2-dichloroethane is not present at hazardous concentrations in the Pit B waste.

A.4 References

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APPENDIX B

ANALYTICAL RESULTS

M E M O R A N D U M

TO: Neil Davies, Mary Redican

FROM: Andy Autry

DATE: April 2, 1996

SUBJECT: Data Validation, Results and Review, Bailey Pit B Pre-Design Study

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A data quality evaluation was performed on the Level III data package received from Law Engineering and Environmental Services National Laboratory, Pensacola, Florida. This data was validated to Level III Data Quality Objectives, and, as such has not been stringently reviewed for the purposes of risk assessment. The following issues have been identified; the assignment of flags is summarized as well. The data were delivered to LAW in two sample delivery groups, the contents of which are summarized below:

- SDG 01B88124 - Samples A3, AB1, A4, and C1;
- SDG 02B88173 - Samples B1, D1, D3, D2, F3, C2, B2, F2, F1, F4, B3, E2, and E1.

The list of flags applied is as follows:

J - The analyte was positively identified; the associated numerical value is the estimated concentration of that analyte.
U - The analyte was analyzed for, but not detected.
UJ - The analyte was not detected above the sample quantitation limit. However, the reported quantitation limit is approximate and may or may not necessarily represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in that sample.

R - The sample results are rejected due to serious deficiencies in ability to analyze the sample and meet quality control criteria. The presence or absence of an analyte cannot be verified.

Volatile Organics

Items addressed by the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* [USEPA, 1993] were reviewed for both SDGs analyzed by LAW. The specific items reviewed and the actions taken because of them are summarized below:

Holding Times - The holding times were all met for injection and analysis for all samples analyzed in each SDG.

GC/MS Instrument Performance Check - All criteria met

Initial Calibration -

The initial calibration data used two additional concentration standards: 4 and 150 µg/l. No action taken.

No RF was out of control.

The RSDs for 2-butanone, acetone, and n-propylbenzene in SDG01B88124 were 30.4%, 31.8%, 30.6%, slightly above the control limit of 30%.; no action was taken. The RSDs for 2-butanone and n-propylbenzene in SDG 02B88173 were 30.4% and 30.6%, slightly above the control limit of 30%.; no action was taken.

Continuing Calibration

In SDG 01B88124, dichlorodifluoromethane, acetone, vinyl acetate, 2,2-dichloropropane, and 2-chlorovinyl ether exhibited RPDs of 48%, 31%, 47%, 35%, 71%, respectively, in the CCV run of 3-11-96. In sample A3 (totals only), the positive detections in each of these analytes except for 2-chloroethyl vinyl ether should be flagged "J" and the non-detects should not be qualified; 2-chloroethyl vinyl ether non-detects should be qualified "UJ". In the CCV run of 3-12-96, dichlorodifluoromethane, acetone, vinyl acetate, 2,2-dichloropropane, and 2-chloroethyl vinyl ether exhibited RPDs of 55%, 91%, 41%, 37% and 79%. In samples A1, A2, A2D, A3, AB1, A4, and C1, all acetone and 2-chloroethyl vinyl ether detects should be flagged "R"; non-detects of acetone and 2-chloroethyl vinyl ether should be flagged "UJ"; all positive detections of dichlorodifluoromethane and vinyl acetate should be flagged "J" (the non detects for dichlorodifluoromethane and vinyl acetate should not be qualified).

In SDG 02B88173, dichlorodifluoromethane, chloromethane, acetone, vinyl acetate, 2,2-dichloropropane, 2-butanone, and 2-chloroethyl vinyl ether exhibited RSDs of 61%, 29%, 46%, 42%, 39%, 38% and 90%, all outside the 25% control limit for the 3-13 CCV run. Dichlorodifluoromethane results in samples B1 (total and TCLP), D1, D3, D2 (total and TCLP), F3, C2 (TCLP), B2, F2, F1, F4, and E2 should be qualified "J" for positive results and "UJ" for non-detects; 2-chloroethyl vinyl ether non-detects in these samples should be qualified as "UJ".

Blanks - No constituents were detected in any field, laboratory, or equipment blank.

Surrogate Recovery - All surrogates were within acceptable limits for both SDGs.

MS/MSD Samples -

The spike recovery for ethylbenzene was 51% and 62%, less than the 72% control limit in SDG 02B88173; no action should be taken, however.

Laboratory Control Samples

All analytes are within control limits for both SDGs.

Region VI QA/QC

No special requirements applied beyond those in the methods and the National Functional Guidelines.

Internal Standards

No analyte was outside control limits in either SDG.

Target Compound Identification

Not reviewed for this DQO level (raw data were not provided nor were chromatograms).

Compound Quantitation and Required Quantitation Limit

The laboratory process for compound quantitation was not reviewed for this DQO level (raw data were not provided nor were chromatograms). The quantitation limits were not compared to CRQLs, but were within the method range for all analytes in both SDGs.

Tentatively Identified Compounds (TICs)

TICs identified included cycloalkanes, cycloalkenes, various alkylated benzenes, naphthalene, linear alkanes, furans, and benzofurans. Depending on the sample analyzed, concentrations of each constituent ranged from not detected to 200-300 ppm per constituent (including benzofuran). As these compounds were tentatively

identified, they were not reported on any data summary or positive hits tables. They are included for information purposes only.

Laboratory Qualified Data

Law Engineering and Environmental Services National Laboratories (LENL) flagged all positive detections of analytes, quantified at concentrations less than the SQLs as "J". This flagging applies to 1,2-dichloroethane TCLP results in samples A4, AB1, D2, and E2, benzene TCLP results in sample B3, chlorobenzene results in sample AB1, total 1,2-dichloroethane results in samples D2 and E1, and total tetrachloroethene results in sample F2.

Overall Assessment and Recommendations

In samples A1, A2, A2D, A3, AB1, A4, and C1, all non-detects of dichlorodifluoromethane, acetone, vinyl acetate, and 2-chlorovinyl ether were flagged "UJ". ~~Dichlorodifluoromethane~~ and 2-chlorovinyl ether non-detects in samples B1, D2, C2, and F2 were qualified "UJ". Positive detections of 1,2-dichloroethane in the TCLP extract in samples A4, AB1, D2, and E2, benzene in the TCLP extract in sample B3, chlorobenzene totals in sample AB1, 1,2-dichloroethane totals in samples D2 and E1, and tetrachloroethene totals in sample F2 were all qualified "J".

Va

Semivolatile Organics

Items addressed by the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* [USEPA, 1993] were reviewed for both SDGs analyzed by LAW. The specific items reviewed and the actions taken because of them are summarized below:

Holding Times - The holding times were all met for injection and analysis for all samples analyzed in each SDG.

GC/MS Instrument Performance Check - The check compounds and mass abundance criteria were met on all analysis days.

Initial Calibration -

The initial calibration data did exhibit some discrepancies. The RFs reported are based on a ng/µl injection concentration and match with the amount given in the National Functional Guidelines for a ng/2µl injection; this is all right by the SW-846 (RCRA) method. However, the CLP SOW for the TCL semivolatiles requires a ng/2µl injection concentration. No action was taken because of this deviation.

The RF for benzidine in SDG 02B88173 was 0.008, less than the 0.05 criterion. All non-detected results for benzidine in SDG 02B88173 should be flagged "R".

The RSDs for aniline and 4-chloroaniline in SDG 02B88173 and 01B88124 exceeded the control limit of 30% (69% and 113%, respectively each SDG). The non-detects for these compounds in these SDG samples should be flagged "UJ". The RSD for 4, 6-dinitro-2-methylphenol was 32% in SDG 02B88173 and was 37% in SDB 01B88124, just outside the 30% control limit; no action was taken for this analyte in either SDG.

Continuing Calibration

In SDG 01B88124, 4-chloroaniline exhibited an RF of 0.027, 0.02, and 0.04 on 3-12 and 3-13 CCV runs; this data should be flagged "R" for all non-detects. Benzidine also exhibited RFs of less than 0.05 on 3-12, 3-13, and 3-14; this data should be flagged "R" for all non-detects as well.

In SDG 01B88124, aniline exhibited an RPD of 46%, outside the 25% control limit on the CCV run of 3-12; no action should be taken. 3,3'-dichlorobenzidine exhibited an RPD of 60%, outside the 25% control limit on the CCV run of 3-12; non-detects for this analyte in samples analyzed on 3-12 should be flagged "UJ" (this does not affect any analytical samples). 4-chloroaniline, benzoic acid, aniline, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, and 3,3'-dichlorobenzidine exhibited RPDs of 70%, 50.1%, 50%, 64%, 44%, and 47%, respectively in the CCV run of 3-13; 4-chloroaniline results in all samples analyzed on 3-13 should be flagged as "R" for all non-detects because of the RF problem; the remainder of the analytes above analyzed on 3-13 should have their non-detects flagged "UJ" (this flagging applies to samples A2D, G-PB-FB1, A4, and C1).

In SDG 02B88173, benzidine exhibited an RF of 0.008 and an RF which was not reported on the 3-14 and 3-15 CCV runs; this data was flagged "R" for all non-detects (this impacts all SDG samples). 4-chloroaniline exhibited an RF of 0.04, less than the 0.05 criterion reported on the 3-14 CCV run; this data should be flagged "R" for all non-detects (this affects samples B1 and C2 (total and TCLP), and totals for samples D1, D2, F2, and E1). Carbazole exhibited a non-reported RF on the 3-15 CCV run; the data for this analyte should be flagged "R" for all non-detects (this affects samples D3, D2 (TCLP), F3, B2, F2 (TCLP), F1, F4, B3, E2, and E1 (TCLP).

In SDG 02B88173, bis-2-chloroisopropyl ether exhibited an RPD of 29.3% and 4-nitrophenol exhibited an RPD of 27.87%, both above the 25% criterion on the CCV run of 3-14; no action was taken. 4-chloroaniline exhibited an RPD of 41.7% and 3,3'-dichlorobenzidine exhibited an RPD of 33.94% on the 3-14 CCV run; the non-detects should be qualified "UJ" for 3,3'-dichlorobenzidine and 4-chloroaniline (this affects samples B1 and C2 (total and TCLP), and totals for samples D1, D2, F2, and E1). 4-chloroaniline, 2,4-dinitrophenol, 4-nitroaniline, 2,3-dintroaniline, and carbazole exhibited RPDs in excess of the 25% criterion; only carbazole should be qualified "R" for all non-detects (because of the RF as described above); no action should be taken based on the remainder of the data due to this evaluation.

Blanks - No constituents were detected in any field, laboratory, or equipment blank.

Surrogate Recovery

For all totals analyses in both SDGs, none of the four surrogate compounds were recovered; this is due to the dilutions that had to be performed to bring the concentrations to within the calibration range. All of the non-detects for all of the totals samples should be qualified "R" and the positive detections should be qualified "J".

In the TCLP analysis on sample C2, nitrobenzene, 2-fluorobenzene, and terphene exceeded the required percentage recovery; the base neutral analytes should be qualified "J" for positive detections.

In the TCLP analysis on sample C1, phenol-d6 and tribromophenol had 0% recovery; the acid fraction analytes should be qualified as "J" for positive detections, "R" for non-detects.

In the TCLP analysis on sample A3, 2-fluorophenol, phenol-d6, and tribromophenol had 0% recovery; the acid fraction analytes should be qualified as "J" for positive detections, "R" for non-detects.

In the TCLP analysis on samples F3, B2, F1, F4, E1, and E2, tribromophenol had 0% recovery; the positive detections should be qualified "J"; the non-detects should not be qualified.

MS/MSD Samples

In SDG 01B88124, all base neutral compounds were outside control limits for recovery. This is explained as a matrix interference; no action based only on MS/MSD data alone should be taken.

In SDG 02B88173, 2,4-dinitrotoluene and PCP had 0% recovery in both the MS and MSD sample. 1,4-dichlorobenzene and hexachlorobenzene both had 0% recovery in the MSD sample. This is explained as a matrix interference; no action should be taken based on this data alone.

Laboratory Control Samples

In SDG 01B88124, 4-bromophenyl ether, 4-chloroaniline, 2,4,6-trichlorophenol, and nitrobenzene had percentage recoveries of 55%, 171%, 192%, and 145%, respectively, which were outside control limits, albeit slightly. No action should be taken based on these data.

In SDG 02B88173, 4-bromophenyl ether and 4-chloroaniline had recoveries of 55% and 171%, respectively, which were slightly outside control limits. No action should be taken based on these data.

Region VI QA/QC

No special requirements applied beyond those in the methods and the National Functional Guidelines.

Internal Standards

No analyte was outside control limits in either SDG.

Target Compound Identification

Not reviewed for this DQO level (raw data was not provided nor were chromatograms).

Compound Quantitation and Required Quantitation Limit

The laboratory process for compound quantitation was not reviewed for this DQO level (raw data were not provided nor were chromatograms). The quantitation limits were not compared to the CRQLs , and were substantially elevated due to dilution to compensate for matrix interference, but within the gross limits allowable under SW-846. Silica gel cleanup was initiated on samples A1, A2, and A2D to analyze at a lower dilution for the analytes 2,4-dinitrotoluene, hexachlorobenzene, and hexachlorobutadiene; the lower dilution enabled the quantitation at desired quantitation limits (under the SW-846 methods).

Tentatively Identified Compounds

Most of the TICs were identified as unknown hydrocarbons, with no associated quantitation. A hydroxymethyl naphthalene derivative was identified based on the mass spectra results. Most of these analytes are those found in petroleum tars.

Laboratory Qualified Data

LENL flagged all positive detections of analytes quantified at concentrations less than the SQLs as "J". This flagging applies to all positive detections of all semivolatile organics, total or TCLP, in every sample analyzed. This flagging was initiated largely due to the presence of an elevated detection limit because of dilution due to matrix interference. Additionally, LENL also indicated on all positive detections of 2-, 3-, and 4-methyl phenol that there was coelution of peaks by the flag "CE".

Overall Assessment and Recommendations

The non-detects for the totals analyses in all samples will be qualified "R" and the positive detections qualified "J" based on the lack of surrogate recovery (0% all surrogates). In addition, for the TCLP data for samples A3 and C1, the acid

extractable fraction (including 2-,3-, and 4-methyl phenol, pentachlorophenol, and 2,4,5- and 2,4,6-trichlorophenol) will be qualified "J" for positive detections and "R" for non-detects based on surrogate recovery. All positive detections of 2-, 3-, and 4-methyl phenol in TCLP extracts were also qualified "CE" for coeluting peaks.

Metals Analyses (6010)

Items addressed by the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* [USEPA, 1994] were reviewed for both SDGs analyzed by LAW. The specific items reviewed and the actions taken because of them are summarized below:

Holding Time - The holding time requirements were met.

Calibration - ICV and CCV show no analytes outside control limits.

Blanks - Nothing was present in any method or equipment blank.

ICP Check Sample:

For total analyses in both SDGs, all positive detections of antimony, sodium, potassium, vanadium, silver, and selenium should be flagged "J" because these analytes were present in the analytical samples but not the ICP check sample (this does not apply to TCLP samples).

Laboratory Check Sample

In SDG 02B88173, barium is out of control limits in the TCLP extract: 8% recovery (80% lower limit); all barium TCLP data (detects and non-detects) should be flagged "R". Total antimony is also outside control limits in the total (solid) LCS sample 8% recovery (80% lower limit); all positive antimony detections should be flagged "J", and all non-detects should be flagged "UJ".

MS/MSD Samples

In SDG01B88124, for the TCLP MS/MSD barium exhibited recoveries of 71% and 69%, outside the 75% lower control limit. No action should be taken.

In SDG02B88173, total zinc exhibited an RPD of 32%, over the control limit of 20%; all positive detections should be qualified as "J". Also, total zinc spike recovery is 58% (less than control limit of 75%).

ICP Serial Dilution

This was not applied to this DQO level. Raw data were not provided.

Field Duplicates

The field duplicate of sample A2 was sample A2D. RPDs were within acceptable ranges for all analytes.

Laboratory Qualified Data

LENL flagged all positive detections of analytes quantified at concentrations less than the SQLs as "J". This flagging applies to all positive detections of lead and chromium in the TCLP extract of every sample analyzed, arsenic in the TCLP extract of samples

B1, B2, C3, D3, F3, and F4, total antimony in samples B1 and F2, total cobalt in samples A3, B1, and C2, total nickel in sample A3, total potassium in sample A3, total silver in samples A3 and F2, and total vanadium in samples A3, B1, and C2.

Overall Assessment and Recommendations

All positive detections of total antimony, sodium, potassium, vanadium, silver, and selenium were flagged "J" in every sample analyzed because these analytes were present in the analytical samples but not the ICP check sample. TCLP barium results for samples B1, D1, D3, D2, F3, C2, B2, F2, F1, F4, B3, E2, and E1 were flagged "R" because of a poor LCS recovery. Total antimony results for samples B1, D2, C2, F2, and E1 were flagged "J" for positive detections and "UJ" for non-detects because of a poor LCS recovery. Positive detections of total zinc in samples B1, D2, C2, F2, and E1 were flagged "J" because of poor matrix spike recovery and reproducibility. All TCLP positive detections of lead and chromium in every sample analyzed, arsenic TCLP positive detections in samples B1, B2, C3, D3, F3, and F4, total cobalt positive detections in samples A3, B1, and C2, total nickel positive detections in sample A3, total potassium positive detections in sample A3, total silver positive detections in samples A3 and F2, and total vanadium positive detections in samples A3, B1, and C2 were flagged "J" because they were detected in concentrations less than the SQL.

Metals Analyses (7000 series)

Items addressed by the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review [USEPA, 1994] were reviewed for both SDGs analyzed by LAW. The specific items reviewed and the actions taken because of them are summarized below:

Holding Time - The holding time requirements were met.

Calibration - ICV and CCV show no analytes outside control limits. All correlation coefficients are greater than 0.995.

Blanks - Nothing present in any method or equipment blank.

Laboratory Check Sample

Within control limits for both SDGs.

MS/MSD Samples

In SDG02B88173, lead exhibited an RPD of 192% outside the control limit of 125%; lead had a spike recovery of 6% (less than the 75% control limit); non-detects should be qualified as "R" and positive detections as "J".

Field Duplicates

The field duplicate of sample A2 was sample A2D. RPDs were within acceptable ranges for all analytes.

Laboratory Qualified Data

LENL flagged all positive detections of analytes quantified at concentrations less than the SQLs as "J". This flagging applies to positive detections of total selenium in samples B1, D2, and F2 and to positive detections of thallium in samples D2, E1, and F2.

Overall Assessment and Recommendations

Qualify all non-detects for lead as "R" and all lead positive results as "J" for samples B1, D2, F2, C2, and E1. Positive detections of total selenium in samples B1, D2, and F2 and positive detections of thallium in samples D2, E1, and F2 were qualified "J".

Total Cyanide Analyses

Items addressed by the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review [USEPA, 1994] were reviewed for both SDGs analyzed by LAW. The specific items reviewed and the actions taken because of them are summarized below:

Holding Time - The holding time requirements were met.

Calibration - ICV and CCV show no analytes outside control limits. All correlation coefficients are greater than 0.995.

Blanks - Nothing present in any method or equipment blank.

Laboratory Check Sample

Within control limits for both SDGs.

MS/MSD Samples

In SDG02B88173, lead exhibited an RPD of 34% outside the control limit of 20%; cyanide had spike recoveries of 22% (less than the 75% control limit); non-detects should be qualified as "R" and positive detections as "J".

Field Duplicates

The field duplicate of sample A2 was sample A2D. RPDs were within acceptable ranges for all analytes.

Overall Assessment and Recommendations

All non-detects were qualified as "R" and all positive results as "J" for samples B1, D2, F2, C2, and E1.

Mercury - All parameters are within control limits for both SDGs. No qualification assigned.

Reactive Cyanide/Sulfide

These analytes are not addressed by the National Functional Guidelines. However, the following activities were performed. The ICV data were reviewed. The standard for sulfide is 78% (less than the 85% control limit), but acceptable without qualification. No continuing calibration data were provided or needed. The duplicate samples RPDs were in control range as well (4.6% for reactive cyanide and 8% for reactive sulfide). Initially, data were reported on a dry weight basis; these data were subsequently recalculated based on an "as is" or wet weight basis. **No qualification was assigned.**

LAW

ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

BAILEY

CONTRACT NO.: GE3913

SDG NO.: 02B88173

VOLUME 1 OF 1

TABLE OF CONTENTS/DATA PACKAGE CHECKLIST

LAW-Pensacola
3355 McLemore Drive
Pensacola, FL 32514

Report Date: 03-22-96
SDG No.: 02B88173
Contract No.: GE3913

Section I:

2- 5	1.)	Sample Delivery Group Sheet
6- 13	2.)	Chain of Custody Forms
NA	3.)	Meterable Parameter Benchsheet
14	4.)	Analytical Request Forms
15- 17	5.)	Cooler Receipt Forms
NA	6.)	Contact Forms
18- 21	7.)	Airbills (Federal Express/UPS)

Section II:

Sample Results by Analytical Method

	ICP 6010A	GFAA 7000	Hg 7470/ 7471	Cn 9010	VOA 8260	SVOA 8270	Reactivity Cyanide/ Sulfide	D2216 1010 9045C
1.) Sample Delivery Group Sheet	23-26	104-107	144-147	186A-189	208-211	314-317	430	454-457
2.) Case Narrative	27-30	108-111	148-151	190-193	212-215	318-321	NA	458-461
3.) Deficient Incident Reports	NA	112-113	NA	NA	NA	322-323	NA	NA
4.) Analytical Results (LIMS)	31-48	114-118	152-169	194-198	216-256	324-364	433-445	462-474
5.) MS/MSD Analytical Results (LIMS)	49-52	119-120	170-173	199-200	257-264	365-368	NA	NA
6.) Blank Analytical Results (LIMS)	53-55	121	174-176	201	265-276	369-375	446	NA
7.) QC Summary	56-60	122-124	177-179	202	277-283	376-381	448-451	NA
8.) LCS Analytical Results (LIMS)	61-62	125	180-181	203	284-289	382-386	NA	NA
9.) Internal Standard AC Summary	X	X	X	X	290-293	387-396	X	X
10.) MSA Summary	X	NA	X	X	X	X	X	X
11.) Intra-lab Sample Check-in/Checkout	63-65	126-127	182	204	294-295	397-399	NA	475
12.) Extraction/Digestion Benchsheet	66-69	128	X	X	296-297	400-403	NA	476-481

The following is presented chronologically in analytical run sequence order:

13.) Analytical Run Sequence ICAL and/or CCAL Summary	70-96	129-142	183-185	205-206	298-312	404-428	NA	NA
GC/MS Tune Summary	X	X	X	X			X	X
14.) ISCAB Summary	97-102	X	X	X	X	X	X	X
15.) CCV Summary		X	X	X	X	X	X	X
5.) CCB Summary		X	X	X	X	X	X	X

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site Pit B SDG No: 02B 88173 Date Received: 3/11/96
Sampling Site(s): 1 Pit B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	So		1
02 D1	AA 88174	So		1
03 D3	AA 88175	So		1
04 D2	AA 88176	So		1
05 F3	AA 88177	So		1
06 C2	AA 88178	So		1
07 B2	AA 88179	So		1
08 F2	AA 88180	So		1
09 F1	AA 88181	So		1
10 F4	AA 88182	So		1
11 B3	AA 88183	So		1
12 E2	AA 88184	So		1
13 E1	AA 88185	So		1
14 2HESB8026 ~~ICLPSB8026~~	AA85982			
15 ICPSB0341	AA85983			
16 ICPSL0341	AA85984			
17 ESB0343	AA85985			
18 ESL0343	AA85986			
19 ICLPSB8029	AA85987			
20 ICPWB0349	AA85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 ICPWL0349	AA85989			
22 HGWB0542	AA86002			
23 HGWL0542	AA86003			
24 ZHESB8028	AA86013			
25 VWB0791T	AA86007			
26 VWL0791T	AA86008			
27 VWB0793T	AA86009			
28 VWL0793T	AA86010			
29 VSB0793	AA86014			
30 VSL0793	AA86015			
31 SWB8034	AA86016			
32 SWL8034	AA86017			
33 B1 MS	AA86019			
34 B1 MSD	AA86020			
35 BC2 MS	AA86029			
36 C2 MSD	AA86030			
37 D1 MS	AA86035			
38 D1 MSD	AA86036			
39 VSB0791	AA86023			
40 VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGSB0541	AA85972
01B88124	HGSL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

LAW ENGINEERING &
ENVIRONMENTAL SERVICES, INC.
3355 McLEMORE DRIVE
PENSACOLA, FLORIDA 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

№ 09323

SAMPLING INFORMATION
NAME OF FACILITY: Bailey Site
STREET ADDRESS: Hwy 87
NPDES NUMBER

PROJECT NAME: Bailey Site
JOB NO.: GE-3413
SAMPLERS (SIGNATURE): Don Chisalowski - GeoSpectra
SAMPLING DATE: 3/7/96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40-ml-G-VOA-HCl	1-L-G-AMBER	8-oz-G-W/M	2-oz-G-W/M	1-L-G-H2SO4	500-ml-AMBER	1-L-PL-(HNO3)	1-L-PL-(H2SO4)	1L-PL-(NaOH+Ascorbic Acid)	1-L-PL-(Zn Acetate+NaOH)	1 L. PL	4 oz PL W/M	250 ml PL	1 L. TEFLON					LENL LAB NO.
						TAL Metals	TCL VOC	TCL Pest/PCB	TCL VOC	TCL Metals	TCL Pest/PCB	Phenol Filter	Volatility	Detect. (GC/S)	Conductivity									
3/7/96				B1	8	X	X	X	X	X	X	X	X	X	X									M 88173
3/7/96				D1	4				X	X	X	X	X	X	X									M 88174
3/7/96				D3	4				X	X	X	X	X	X	X									M 88175
3/7/96				D2	8	X	X	X	X	X	X	X	X	X	X									M 88176

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	RELINQUISHED BY	RECEIVED BY LABORATORY	DATE / TIME
(SIGNATURE)	3/8/96 1500	(SIGNATURE)		(SIGNATURE)	Ina Jackson (SIGNATURE)	3/11/96 1950

Cooler temp 5°

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REMARKS

***SOURCE CODES**

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-ACQUIRED - NA

00009

COC # 09323

TJ
This COC has no sample time, Grab/Comp or Source code information. Labels only have Sample Station descriptions.
Ima Jackson 3/11/96

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3355 McLEMORE DRIVE
PENSACOLA, FLORIDA 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

№ 09321

SAMPLING INFORMATION
NPDES NUMBER
NAME OF FACILITY: Bailey Site
STREET ADDRESS

PROJECT NAME: Bailey Site - Pit B
JOB NO.: GE3913
SAMPLERS (SIGNATURE): Lin Ciwiaciuski - GeoSyntec
SAMPLING DATE: 3/7/96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml-G-VOA-HCl	1 L-G-AMBER	8 oz-G-W/M	2 oz-G-W/M	1 L-G-H_2SO_4	500 ml-AMBER	1 L-PL-HNO_3	1 L-PL-H_2SO_4	1 L-PL-NaOH/Asc Acid	1 L-PL (ZnAcetate + NaOH)	1 L. PL	4 oz PL W/M	250 ml PL	1 L. TEFLON						LENL LAB NO.
						TAL Metals	TCL SVOC		TCLP Metals	TCLP SVOC	TCLP Metals	TCLP SVOC	Paint Filter	Reactivity	Cyanide (R/S)										
3/7/96				F3	4				X	X	X	X	X	X	X										AA88177
3/7/96				C2	8	X	X	X	X	X	X	X	X	X	X										AA88178
3/7/96				B2	4				X	X	X	X	X	X	X										AA88179
3/7/96				F2	8	X	X	X	X	X	X	X	X	X	X										AA88180

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	RELINQUISHED BY	RECEIVED BY LABORATORY	DATE / TIME
(SIGNATURE)	3/8/96 1500	(SIGNATURE)		(SIGNATURE)	Gina Jackson (SIGNATURE)	3/11/96 0950

Cooler Temp 5°

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REMARKS

***SOURCE CODES**

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-AQUEOUS - NA

000018

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PENSACOLA, FLORIDA 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

№ 09322

SAMPLING INFORMATION
NPDES NUMBER
NAME OF FACILITY: Bailey Site
STREET ADDRESS: Hwy 87

PROJECT NAME: Bailey Site - Pit B
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): Karl Wislalowski - GeoSyntec
SAMPLING DATE: 3/7/96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml-G-VOA-HCl TAL Metals	1 L-G-AMBER TCL SVOC	8 oz-G-W/M TCL VOC	2 oz-G-W/M TCL Pesticides	16-G-(H2SO4) TCLP SVOC	500 ml-AMBER TCLP Pesticides	1 L-PL-(HNO3) TCLP VOC	1 L-PL-(H2SO4) Filter	1 L-PL-(NaOH/Ascorbic Acid) Cyanide	1 L-PL-(Zn Acetate + NaOH) Sulfide (4/13)	1 L. PL	4 oz. PL W/M	250 ml PL	1 L. TEFLON						LENL LAB NO.
3/7/96				F1	4				X	X	X	X	X	X	X										AA88181
3/7/96				F4	4				X	X	X	X	X	X	X										AA88182
3/7/96				B3	4				X	X	X	X	X	X	X										AA88183
3/7/96				E2	4				X	X	X	X	X	X	X										AA88184
3/7/96				E1	8	X	X	X	X	X	X	X	X	X	X										AA88185

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	RELINQUISHED BY	RECEIVED BY LABORATORY	DATE / TIME
(SIGNATURE)	3/8/96 1500	(SIGNATURE)		(SIGNATURE)	(SIGNATURE)	3/11/96 0950

Cooler temp 8°

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REMARKS

***SOURCE CODES**

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-AQUEOUS - NA

000010

COC # 09322

TT
This C.O.C has no sample time, Grab/Comp or source code information. Labels have Only Sample Station Descriptions.
[illegible] 3/11/96

08134 96-3985

Law Engineering &
Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

SAMPLING INFORMATION
NPDES NUMBER
NAME OF FACILITY: AFCEE
STREET ADDRESS:

96-3985

PROJECT NAME: Bailey Site
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): D. Wisialowski DM
SAMPLING DATE: 3/7/96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml G VOA HCl	1 L G - AMBER	8 oz. G, W/M	2 oz. G, W/M	1 L G (H_2SO_4)	500 ml - AMBER	1 L, PL (HNO_3)	1 L, PL (H_2SO_4)	1 L, PL (NaOH+Ascorbic Acid)	1 L PL (Zn Acetate + NaOH)	1 L, PL	4 oz PL W/M	250 ml PL	1 L, TEFLON	LENL LAB NO.
	✓		So	AA88173 - B1	1			1												96-3985-01
	✓		So	AA88174 - D1	1			1												02
	✓		So	AA88175 - D3	1			1												03
	✓		So	AA88176 - D2	1			1												04
	✓		So	AA88177 - F3	1			1												05
	✓		So	AA88178 - C2	1			1												06
	✓		So	AA88179 - B2	1			1												07
	✓		So	AA88180 - F2	1			1												08
	✓		So	AA88181 - F1	1			1												09
	✓		So	AA88182 - F4	1			1												10
	✓		So	AA88183 - B-3	1			1												11

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LABORATORY: (SIGNATURE)	DATE / TIME
Deborah Miller	3/12/96 10:00				[illegible]	3/13/96 0855

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REMARKS

Send To Kennesaw

SDG# Q2B88173

***SOURCE CODES**

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE W[illegible] - SW
NON-AQUEO[illegible] - NA

CC0012

08135 96-3985

AFCEE

CHAIN OF CUSTODY RECORD

Law Engineering & Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514
(904) 857-0606

SAMPLING INFORMATION
NPDES NUMBER
NAME OF FACILITY:
STREET ADDRESS:

96-3985

PROJECT NAME: Bailey Site
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): D. Wislalonski DM
SAMPLING DATE: 3/7/96

TIME	GRAB	COMP	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml G VOA HCl	1 L G - AMBER	8 oz. G. W/M	2 oz. G. W/M	1 L G (H_2SO_4)	500 ml - AMBER	1 L. PL (HNO_3)	1 L. PL (H_2SO_4)	1L. PL (NaOH+Ascorbic Acid)	1 L. PL (Zn Acetate + NaOH)	1 L. PL	4 oz. PL W/M	250 ml PL	1 L. TEFLON	LENL LAB NO.
3/7/96	✓		SO	AA88184-E2	1			1												12
3/7/96	✓		SO	AA88185-E1	1			1												13

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME	RELINQUISHED BY:	RECEIVED BY LABORATORY:	DATE / TIME
Deborah Miller (SIGNATURE)	3/12/96 10:00	(SIGNATURE)		(SIGNATURE)	(SIGNATURE)	3/13/96 0955

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REMARKS

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SDF # 02B88173

***SOURCE CODES**

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-AQUEOUS - NA

000013

A-CEE

96-3985

Law Engineering &
Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514
(904) 857-0606

Analytical Request Form

To: Law Kennesaw

Attn: Sample Receiving

From: Law / Pensacola
(Branch/Company Name)

(Dept or Name)

COC Number: 08134, 08135

Project Name: Bailey Site

Project Number: GE3913

Date Shipped: 3/12/96

Date results requested: 3-14/15/96

Sample ID	Analysis Requested	Detection Limits Req.	Sample Type	Method
AA88173 through	Reactive Cyanide			
AA88185	& Reactive Sulfide			

Comments:

000015

COOLER RECEIPT FORM

LIMS# _____

Contractor Cooler 09323

MRD Cooler # _____

Number of Coolers 1 of 3

PROJECT: Bailey Site Pit B Date received: 3-11-96

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 3-11-96

by (print) Tina Jackson (sign) Tina Jackson

1. Did cooler come with a shipping slip (air bill, etc.)? ..... YES NO

   If YES, enter carrier name & air bill number here: Fed Ex 7009870055

2. Were custody seals on outside of cooler? ..... YES NO

   How many & where: _____, seal date: _____, seal name _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N/A
4. Did you screen samples for radioactivity using the Geiger Counter..... YES NO
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... YES NO
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES NO
7. Did you sign custody papers in the appropriate place? ..... YES NO
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. YES NO
9. If required, was enough ice used? ..... Type of ice: Wet ..... YES NO
10. Have designated person initial here to acknowledge receipt of cooler: TI (date) 3-11-96

B. LOG-IN PHASE: Date samples were logged-in: 3-11-96

by (print) Tina Jackson (sign) Tina Jackson

11. Describe type of packing in cooler: bubble bags, bubble wrap
12. Were all bottles sealed in separate plastic bags? ..... YES NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... YES NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... YES NO
15. Did all bottle labels agree with custody papers? ..... YES NO
16. Were correct containers used for the tests indicated? ..... YES NO
17. Were correct preservatives added to samples? ..... YES NO
18. Was a sufficient amount of sample sent for tests indicated? ..... YES NO
19. Were bubbles absent in VOA samples? If NO, list by QA#: _____ YES NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO

21. Who was called ? _____ By whom ? _____ (date) _____

COOLER RECEIPT FORM

LIMS# _____

Contractor Cooler 09321

MRD Cooler # _____

Number of Coolers 2 of 2

PROJECT: Bailey Site Pit B

Date received: 3-11-96

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 3-11-96

by (print) Tina Jackson (sign) Tina Jackson

1. Did cooler come with a shipping slip (air bill, etc.)? ..... (YES) NO

   If YES, enter carrier name & air bill number here: Fed Ex 980 4988 462

2. Were custody seals on outside of cooler? ..... YES (NO)

   How many & where: _____, seal date: _____, seal name _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N
4. Did you screen samples for radioactivity using the Geiger Counter..... YES (NO)
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... (YES) NO
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES (NO)
7. Did you sign custody papers in the appropriate place? ..... (YES) NO
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. (YES) NO
9. If required, was enough ice used? ..... Type of ice: Wet ..... (YES) NO
10. Have designated person initial here to acknowledge receipt of cooler: D (date) 3/11/96

B. LOG-IN PHASE: Date samples were logged-in: 3/11/96

by (print) Tina Jackson (sign) Tina Jackson

11. Describe type of packing in cooler: bubble bags, bubble wrap
12. Were all bottles sealed in separate plastic bags? ..... (YES) NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... (YES) NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... YES (NO)
15. Did all bottle labels agree with custody papers? ..... (YES) NO
16. Were correct containers used for the tests indicated? ..... (YES) NO
17. Were correct preservatives added to samples? ..... (YES) NO
18. Was a sufficient amount of sample sent for tests indicated? ..... (YES) NO
19. Were bubbles absent in VOA samples? If NO, list by QA#: _____ YES NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO
21. Who was called ? _____ By whom ? _____ (date) _____

000017

COOLER RECEIPT FORM

LIMS# _____

Contractor Cooler 09322

MRD Cooler # _____

Number of Coolers 3 of 3

PROJECT: Bailey Site Pit B Date received: 3/11/96

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 3/11/96

by (print) Tina Jackson (sign) Tina Jackson

1. Did cooler come with a shipping slip (air bill, etc.)? ..... (YES) NO

   If YES, enter carrier name & air bill number here: Fed Ex 9804988 453

2. Were custody seals on outside of cooler? ..... YES (NO)

   How many & where: _____, seal date: _____, seal name _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO N/A
4. Did you screen samples for radioactivity using the Geiger Counter..... YES (NO)
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... (YES) NO
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES (NO)
7. Did you sign custody papers in the appropriate place? ..... (YES) NO
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. (YES) NO
9. If required, was enough ice used? ..... Type of ice: Wet ..... (YES) NO
10. Have designated person initial here to acknowledge receipt of cooler: TJ (date) 3/11/96

B. LOG-IN PHASE: Date samples were logged-in: 3/11/96

by (print) Tina Jackson (sign) Tina Jackson

11. Describe type of packing in cooler: bubble bags, bubble wrap
12. Were all bottles sealed in separate plastic bags? ..... (YES) NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... (YES) NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... YES (NO)
15. Did all bottle labels agree with custody papers? ..... (YES) NO
16. Were correct containers used for the tests indicated? ..... (YES) NO
17. Were correct preservatives added to samples? ..... (YES) NO
18. Was a sufficient amount of sample sent for tests indicated? ..... (YES) NO
19. Were bubbles absent in VOA samples? If NO, list by QA#: _____ YES NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO

21. Who was called ? _____ By whom ? _____ (date) _____

7009870055

8Mar96

Dan Wisialowski 404 7059500

GeoSyntec Consultants

9301 Hwy 87

Bridge City TX 77611

GE3913

Sample Receiving 904 857-0606

Law Engineering

3355 McLemore Dr.

Pensacola FL 32514

1004-0909-7

3 140

L

194

Received 3/11/96 0950

Cooler Temp 5°

0003:18

FedEx. PRIORITY OVERNIGHT MON
AA

emp# 37526 08MAR96 17:56

MPS# 980 4988 462 Form 0004

mstr trk# 700 9870 055 003/003

MOB

Deliver By:
11MAR96

32514-FL-US

X8 PNS

Received 3-11-96
Cooler Temp 5°

000019

FedEx. PRIORITY OVERNIGHT MON
AA

emp# 37526 08MAR96 17:56

MPS# 980 4988 453 Form 0004

mstr trk# 700 9870 055 002/003

MOB

Deliver By:
11MAR96

32514-FL-US

X8 PNS

Received 3/11/96 0950

Cooler Temp 8°

020000

96-3985

SHIP DATE: 12MAR96
ACC# 129742178

LAW ENVIRONMENTAL
3355 MCLEMORE DRIVE
PENSACOLA FL 32514
(904)857-8686

ACTUAL WGT: 28 LBS MAN-WT

TO: ATTN: SAMPLE RECEIVING (404)421-3300
LAW ENVIRONMENTAL NATIONAL LABS
112 TOWNPARK DRIVE

KENNESAW GA 30144

FEDERAL EXPRESS

286 8202 224

REF: BAILEY/TINA

PART # 145385 FORMAT # 077 RIT 08/94

PRIORITY OVERNIGHT WED

CAD# 32756 12MAR96
TRK# 286 8202 224

ATL

30144-GA-US X8 NCQ

SDG No: 02B88173

Method No.: 6010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site Pit B SDG No: 02B 88173 Date Received: 3/11/96
Sampling Site(s): 1 Pit B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	So		1
02 D1	AA 88174	So		1
03 D3	AA 88175	So		1
04 D2	AA 88176	So		1
05 F3	AA 88177	So		1
06 C2	AA 88178	So		1
07 B2	AA 88179	So		1
08 F2	AA 88180	So		1
09 F1	AA 88181	So		1
10 F4	AA 88182	So		1
11 B3	AA 88183	So		1
12 E2	AA 88184	So		1
13 E1	AA 88185	So		1
14 ~~ICLPSB8026~~ 2HESB8026	AA85982			
15 ICPSB0341	AA85983			
16 ICPSL0341	AA85984			
17 ESB0343	AA85985			
18 ESL0343	AA85986			
19 ICLPSB8029	AA85987			
20 ICPWB0349	AA85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-91
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	ICPWL0349	AA85989			
22	HGWB0542	AA86002			
23	HGWL0542	AA86003			
24	ZHESB8028	AA86013			
25	VWB0791T	AA86007			
26	VWL0791T	AA86008			
27	VWB0793T	AA86009			
28	VWL0793T	AA86010			
29	VSB0793	AA86014			
30	VSL0793	AA86015			
31	SWB8034	AA86016			
32	SWL8034	AA86017			
33	B1 MS	AA86019			
34	B1 MSD	AA86020			
35	BC2 MS	AA86029			
36	C2 MSD	AA86030			
37	D1 MS	AA86035			
38	D1 MSD	AA86036			
39	VSB0791	AA86023			
40	VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Corresponds To: Site No.
41 B3 MS	AA86038			
42 B3 MSD	AA86039			
43 846ISB0314	AA86043			
44 846ISL0314	AA86044			
45 E1 DUP	AA86045			
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGWB0541	AA85972
01B88124	HGWL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume	except *
D1	AA88174	10X	
D3	AA88175	10X	
D2	AA88176	10X	
F3	AA88177	10X	
C2	AA88178	10X and 5mL end volume	except *
C2MS	AA86029	10X and 5mL end volume	except *
C2MSD	AA86030	10X and 5mL end volume	except *
B2	AA88179	10X	

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol
C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:25	CH
Aluminum	SW6010	62.5	3060	03/13/96	14:25	CH
Antimony	SW6010	31.2	3.75 J	03/13/96	14:25	CH
Barium	SW6010	2.50	201	03/13/96	14:25	CH
Beryllium	SW6010	0.375	Not Det	03/13/96	14:25	CH
Cadmium	SW6010	1.25	Not Det	03/13/96	14:25	CH
Calcium	SW6010	12.5	1250	03/13/96	14:25	CH
Chromium	SW6010	6.25	53.2	03/13/96	14:25	CH
Cobalt	SW6010	6.25	2.62 J	03/13/96	14:25	CH
Copper	SW6010	6.25	75.9	03/13/96	14:25	CH
Iron	SW6010	6.25	9860	03/13/96	14:25	CH
Magnesium	SW6010	31.2	473	03/13/96	14:25	CH
Manganese	SW6010	1.25	58.1	03/13/96	14:25	CH
Nickel	SW6010	6.25	6.50	03/13/96	14:25	CH
Potassium	SW6010	75.0	196	03/13/96	14:25	CH
Silver	SW6010	6.25	Not Det	03/13/96	14:25	CH
Sodium	SW6010	31.2	960	03/13/96	14:25	CH
Vanadium	SW6010	6.25	5.00 J	03/13/96	14:25	CH
Zinc	SW6010	1.25	204	03/13/96	14:25	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:23	CH
Arsenic	SW6010	500	24.0 J	03/14/96	10:23	CH
Barium	SW6010	20.0	1110	03/14/96	10:23	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	10:23	CH
Chromium	SW6010	50.0	9.00 J	03/14/96	10:23	CH
Lead	SW6010	120	47.0 J	03/14/96	10:23	CH
Selenium	SW6010	500	Not Det	03/14/96	10:23	CH
Silver	SW6010	50.0	Not Det	03/14/96	10:23	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: D1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:51	CH
Arsenic	SW6010	500	Not Det	03/14/96	10:51	CH
Barium	SW6010	20.0	1070	03/14/96	10:51	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	10:51	CH
Chromium	SW6010	50.0	Not Det	03/14/96	10:51	CH
Lead	SW6010	120	21.0 J	03/14/96	10:51	CH
Selenium	SW6010	500	Not Det	03/14/96	10:51	CH
Silver	SW6010	50.0	Not Det	03/14/96	10:51	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:55	CH
Arsenic	SW6010	500	30.0 J	03/14/96	10:55	CH
Barium	SW6010	20.0	1440	03/14/96	10:55	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	10:55	CH
Chromium	SW6010	50.0	Not Det	03/14/96	10:55	CH
Lead	SW6010	120	57.0 J	03/14/96	10:55	CH
Selenium	SW6010	500	Not Det	03/14/96	10:55	CH
Silver	SW6010	50.0	Not Det	03/14/96	10:55	CH

Remarks:

Signed: _____

James M.O. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:53	CH
Aluminum	SW6010	135	9000	03/13/96	14:53	CH
Antimony	SW6010	67.5	Not Det	03/13/96	14:53	CH
Barium	SW6010	5.40	623	03/13/96	14:53	CH
Beryllium	SW6010	0.810	Not Det	03/13/96	14:53	CH
Cadmium	SW6010	2.70	Not Det	03/13/96	14:53	CH
Calcium	SW6010	27.0	5300	03/13/96	14:53	CH
Chromium	SW6010	13.5	146	03/13/96	14:53	CH
Cobalt	SW6010	13.5	14.6	03/13/96	14:53	CH
Copper	SW6010	13.5	142	03/13/96	14:53	CH
Iron	SW6010	13.5	21600	03/13/96	14:53	CH
Magnesium	SW6010	67.5	2250	03/13/96	14:53	CH
Manganese	SW6010	2.70	183	03/13/96	14:53	CH
Nickel	SW6010	13.5	18.4	03/13/96	14:53	CH
Potassium	SW6010	162	994	03/13/96	14:53	CH
Silver	SW6010	13.5	Not Det	03/13/96	14:53	CH
Sodium	SW6010	67.5	4910	03/13/96	14:53	CH
Vanadium	SW6010	13.5	17.3	03/13/96	14:53	CH
Zinc	SW6010	2.70	698	03/13/96	14:53	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:59	CH
Arsenic	SW6010	500	Not Det	03/14/96	10:59	CH
Barium	SW6010	20.0	1670	03/14/96	10:59	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	10:59	CH
Chromium	SW6010	50.0	Not Det	03/14/96	10:59	CH
Lead	SW6010	120	42.0 J	03/14/96	10:59	CH
Selenium	SW6010	500	Not Det	03/14/96	10:59	CH
Silver	SW6010	50.0	Not Det	03/14/96	10:59	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:04	CH
Arsenic	SW6010	500	37.0 J	03/14/96	11:04	CH
Barium	SW6010	20.0	899	03/14/96	11:04	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:04	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:04	CH
Lead	SW6010	120	55.0 J	03/14/96	11:04	CH
Selenium	SW6010	500	Not Det	03/14/96	11:04	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:04	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:57	CH
Aluminum	SW6010	62.5	1490	03/13/96	14:57	CH
Antimony	SW6010	31.2	Not Det	03/13/96	14:57	CH
Barium	SW6010	2.50	65.1	03/13/96	14:57	CH
Beryllium	SW6010	0.375	Not Det	03/13/96	14:57	CH
Cadmium	SW6010	1.25	Not Det	03/13/96	14:57	CH
Calcium	SW6010	12.5	896	03/13/96	14:57	CH
Chromium	SW6010	6.25	35.5	03/13/96	14:57	CH
Cobalt	SW6010	6.25	2.38 J	03/13/96	14:57	CH
Copper	SW6010	6.25	60.9	03/13/96	14:57	CH
Iron	SW6010	6.25	4780	03/13/96	14:57	CH
Magnesium	SW6010	31.2	505	03/13/96	14:57	CH
Manganese	SW6010	1.25	41.8	03/13/96	14:57	CH
Nickel	SW6010	6.25	7.25	03/13/96	14:57	CH
Potassium	SW6010	75.0	433	03/13/96	14:57	CH
Silver	SW6010	6.25	Not Det	03/13/96	14:57	CH
Sodium	SW6010	31.2	1220	03/13/96	14:57	CH
Vanadium	SW6010	6.25	3.88 J	03/13/96	14:57	CH
Zinc	SW6010	1.25	73.5	03/13/96	14:57	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:08	CH
Arsenic	SW6010	500	32.0 J	03/14/96	11:08	CH
Barium	SW6010	20.0	726	03/14/96	11:08	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:08	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:08	CH
Lead	SW6010	120	19.0 J	03/14/96	11:08	CH
Selenium	SW6010	500	Not Det	03/14/96	11:08	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:08	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:12	CH
Arsenic	SW6010	500	46.0 J	03/14/96	11:12	CH
Barium	SW6010	20.0	995	03/14/96	11:12	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:12	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:12	CH
Lead	SW6010	120	40.0 J	03/14/96	11:12	CH
Selenium	SW6010	500	Not Det	03/14/96	11:12	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:12	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	15:01	CH
Aluminum	SW6010	96.0	3020	03/13/96	15:01	CH
Antimony	SW6010	48.0	5.38 J	03/13/96	15:01	CH
Barium	SW6010	3.84	2960	03/13/96	15:01	CH
Beryllium	SW6010	0.576	Not Det	03/13/96	15:01	CH
Cadmium	SW6010	1.92	Not Det	03/13/96	15:01	CH
Calcium	SW6010	19.2	5980	03/13/96	15:01	CH
Chromium	SW6010	9.60	103	03/13/96	15:01	CH
Cobalt	SW6010	9.60	12.1	03/13/96	15:01	CH
Copper	SW6010	9.60	165	03/13/96	15:01	CH
Magnesium	SW6010	48.0	1040	03/13/96	15:01	CH
Manganese	SW6010	1.92	176	03/13/96	15:01	CH
Nickel	SW6010	9.60	20.7	03/13/96	15:01	CH
Potassium	SW6010	115	430	03/13/96	15:01	CH
Silver	SW6010	9.60	1.34 J	03/13/96	15:01	CH
Sodium	SW6010	48.0	2600	03/13/96	15:01	CH
Vanadium	SW6010	9.60	15.0	03/13/96	15:01	CH
Zinc	SW6010	1.92	323	03/13/96	15:01	CH
610-6010 ICP Metals S RE mg/Kg	SW6010		_TITLE_	03/14/96	12:04	CH
Iron	SW6010	500	36700	03/14/96	12:04	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:16	CH
Arsenic	SW6010	500	Not Det	03/14/96	11:16	CH
Barium	SW6010	20.0	925	03/14/96	11:16	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:16	CH
Chromium	SW6010	50.0	16.0 J	03/14/96	11:16	CH
Lead	SW6010	120	106 J	03/14/96	11:16	CH
Selenium	SW6010	500	Not Det	03/14/96	11:16	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:16	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-I311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:20	CH
Arsenic	SW6010	500	Not Det	03/14/96	11:20	CH
Barium	SW6010	20.0	3100	03/14/96	11:20	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:20	CH
Chromium	SW6010	50.0	30.0 J	03/14/96	11:20	CH
Lead	SW6010	120	54.0 J	03/14/96	11:20	CH
Selenium	SW6010	500	Not Det	03/14/96	11:20	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:20	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:40	CH
Arsenic	SW6010	500	47.0 J	03/14/96	11:40	CH
Barium	SW6010	20.0	626	03/14/96	11:40	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:40	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:40	CH
Lead	SW6010	120	110 J	03/14/96	11:40	CH
Selenium	SW6010	500	Not Det	03/14/96	11:40	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:40	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:44	CH
Arsenic	SW6010	500	Not Det	03/14/96	11:44	CH
Barium	SW6010	20.0	1000	03/14/96	11:44	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:44	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:44	CH
Lead	SW6010	120	40.0 J	03/14/96	11:44	CH
Selenium	SW6010	500	Not Det	03/14/96	11:44	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:44	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:48	CH
Arsenic	SW6010	500	Not Det.	03/14/96	11:48	CH
Barium	SW6010	20.0	1910	03/14/96	11:48	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:48	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:48	CH
Lead	SW6010	120	38.0 J	03/14/96	11:48	CH
Selenium	SW6010	500	Not Det	03/14/96	11:48	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:48	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	15:05	CH
Aluminum	SW6010	134	8640	03/13/96	15:05	CH
Antimony	SW6010	67.2	11.3 J	03/13/96	15:05	CH
Barium	SW6010	5.38	654	03/13/96	15:05	CH
Beryllium	SW6010	0.807	Not Det	03/13/96	15:05	CH
Cadmium	SW6010	2.69	Not Det	03/13/96	15:05	CH
Calcium	SW6010	26.9	12500	03/13/96	15:05	CH
Chromium	SW6010	13.4	170	03/13/96	15:05	CH
Cobalt	SW6010	13.4	10.8 J	03/13/96	15:05	CH
Copper	SW6010	13.4	115	03/13/96	15:05	CH
Magnesium	SW6010	67.2	2220	03/13/96	15:05	CH
Manganese	SW6010	2.69	225	03/13/96	15:05	CH
Nickel	SW6010	13.4	14.8	03/13/96	15:05	CH
Potassium	SW6010	161	983	03/13/96	15:05	CH
Silver	SW6010	13.4	Not Det	03/13/96	15:05	CH
Sodium	SW6010	67.2	3350	03/13/96	15:05	CH
Vanadium	SW6010	13.4	16.9	03/13/96	15:05	CH
Zinc	SW6010	2.69	1400	03/13/96	15:05	CH
610-6010 ICP Metals S RE mg/Kg	SW6010		_TITLE_	03/13/96	15:23	CH
Iron	SW6010	500	35800	03/13/96	15:23	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:52	CH
Arsenic	SW6010	500	Not Det	03/14/96	11:52	CH
Barium	SW6010	20.0	1480	03/14/96	11:52	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:52	CH
Chromium	SW6010	50.0	19.0 J	03/14/96	11:52	CH
Lead	SW6010	120	36.0 J	03/14/96	11:52	CH
Selenium	SW6010	500	Not Det	03/14/96	11:52	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:52	CH

Remarks:

Signed: _____

James M. G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86019

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:33	CH
Aluminum	SW6010	67.0	3510	03/13/96	14:33	CH
Antimony	SW6010	33.5	58.6	03/13/96	14:33	CH
Barium	SW6010	2.68	427	03/13/96	14:33	CH
Beryllium	SW6010	0.402	6.70	03/13/96	14:33	CH
Cadmium	SW6010	1.34	5.36	03/13/96	14:33	CH
Calcium	SW6010	13.4	1210	03/13/96	14:33	CH
Chromium	SW6010	6.70	83.1	03/13/96	14:33	CH
Cobalt	SW6010	6.70	68.6	03/13/96	14:33	CH
Copper	SW6010	6.70	103	03/13/96	14:33	CH
Iron	SW6010	6.70	9580	03/13/96	14:33	CH
Magnesium	SW6010	33.5	493	03/13/96	14:33	CH
Manganese	SW6010	1.34	121	03/13/96	14:33	CH
Nickel	SW6010	6.70	74.8	03/13/96	14:33	CH
Potassium	SW6010	80.4	191	03/13/96	14:33	CH
Silver	SW6010	6.70	13.3	03/13/96	14:33	CH
Sodium	SW6010	33.5	905	03/13/96	14:33	CH
Vanadium	SW6010	6.70	71.4	03/13/96	14:33	CH
Zinc	SW6010	1.34	257	03/13/96	14:33	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86020

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:37	CH
Aluminum	SW6010	68.0	3670	03/13/96	14:37	CH
Antimony	SW6010	34.0	59.4	03/13/96	14:37	CH
Barium	SW6010	2.72	428	03/13/96	14:37	CH
Beryllium	SW6010	0.408	6.80	03/13/96	14:37	CH
Cadmium	SW6010	1.36	5.03	03/13/96	14:37	CH
Calcium	SW6010	13.6	1190	03/13/96	14:37	CH
Chromium	SW6010	6.80	79.7	03/13/96	14:37	CH
Cobalt	SW6010	6.80	71.3	03/13/96	14:37	CH
Copper	SW6010	6.80	104	03/13/96	14:37	CH
Iron	SW6010	6.80	12900	03/13/96	14:37	CH
Magnesium	SW6010	34.0	451	03/13/96	14:37	CH
Manganese	SW6010	1.36	134	03/13/96	14:37	CH
Nickel	SW6010	6.80	76.2	03/13/96	14:37	CH
Potassium	SW6010	81.6	178	03/13/96	14:37	CH
Silver	SW6010	6.80	13.6	03/13/96	14:37	CH
Sodium	SW6010	34.0	959	03/13/96	14:37	CH
Vanadium	SW6010	6.80	73.2	03/13/96	14:37	CH
Zinc	SW6010	1.36	243	03/13/96	14:37	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86019

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:31	CH
Arsenic	SW6010	500	1910	03/14/96	10:31	CH
Barium	SW6010	20.0	3100	03/14/96	10:31	CH
Cadmium	SW6010	10.0	33.0	03/14/96	10:31	CH
Chromium	SW6010	50.0	224	03/14/96	10:31	CH
Lead	SW6010	120	490	03/14/96	10:31	CH
Selenium	SW6010	500	1880	03/14/96	10:31	CH
Silver	SW6010	50.0	99.0	03/14/96	10:31	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86020

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:35	CH
Arsenic	SW6010	500	1920	03/14/96	10:35	CH
Barium	SW6010	20.0	3080	03/14/96	10:35	CH
Cadmium	SW6010	10.0	33.0	03/14/96	10:35	CH
Chromium	SW6010	50.0	223	03/14/96	10:35	CH
Lead	SW6010	120	503	03/14/96	10:35	CH
Selenium	SW6010	500	1920	03/14/96	10:35	CH
Silver	SW6010	50.0	101	03/14/96	10:35	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: ICPSB0341

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85983

Collector:

Date Sampled: 03/12/96

Time Sampled: 10:00

Log In Date: 03/12/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:17	CH
Aluminum	SW6010	50.0	Not Det	03/13/96	14:17	CH
Antimony	SW6010	25.0	Not Det	03/13/96	14:17	CH
Barium	SW6010	2.00	Not Det	03/13/96	14:17	CH
Beryllium	SW6010	0.300	Not Det	03/13/96	14:17	CH
Cadmium	SW6010	1.00	Not Det	03/13/96	14:17	CH
Calcium	SW6010	10.0	Not Det	03/13/96	14:17	CH
Chromium	SW6010	5.00	Not Det	03/13/96	14:17	CH
Cobalt	SW6010	5.00	Not Det	03/13/96	14:17	CH
Copper	SW6010	5.00	Not Det	03/13/96	14:17	CH
Iron	SW6010	5.00	Not Det	03/13/96	14:17	CH
Magnesium	SW6010	25.0	Not Det	03/13/96	14:17	CH
Manganese	SW6010	1.00	Not Det	03/13/96	14:17	CH
Nickel	SW6010	5.00	Not Det	03/13/96	14:17	CH
Potassium	SW6010	60.0	Not Det	03/13/96	14:17	CH
Silver	SW6010	5.00	Not Det	03/13/96	14:17	CH
Sodium	SW6010	25.0	Not Det	03/13/96	14:17	CH
Vanadium	SW6010	5.00	Not Det	03/13/96	14:17	CH
Zinc	SW6010	1.00	Not Det	03/13/96	14:17	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: TCLPSB8029

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85987

Collector:

Date Sampled: 03/12/96

Time Sampled: 16:00

Log In Date: 03/12/96

Log In Time: 16:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/12/96	16:00	DT
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	11:56	CH
Arsenic	SW6010	500	43.0 J	03/14/96	11:56	CH
Barium	SW6010	20.0	Not Det	03/14/96	11:56	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	11:56	CH
Chromium	SW6010	50.0	Not Det	03/14/96	11:56	CH
Lead	SW6010	120	Not Det	03/14/96	11:56	CH
Selenium	SW6010	500	Not Det	03/14/96	11:56	CH
Silver	SW6010	50.0	Not Det	03/14/96	11:56	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: ICPWB0349

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85988

Collector:

Date Sampled: 03/13/96

Time Sampled: 13:30

Log In Date: 03/13/96

Log In Time: 13:30

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:15	CH
Arsenic	SW6010	500	Not Det	03/14/96	10:15	CH
Barium	SW6010	20.0	Not Det	03/14/96	10:15	CH
Cadmium	SW6010	10.0	Not Det	03/14/96	10:15	CH
Chromium	SW6010	50.0	Not Det	03/14/96	10:15	CH
Lead	SW6010	120	18.0 J	03/14/96	10:15	CH
Selenium	SW6010	500	Not Det	03/14/96	10:15	CH
Silver	SW6010	50.0	Not Det	03/14/96	10:15	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : TCLPSB8029

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 03/12/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ICPSB0341

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/12/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
ICPSB0341	AA85983	3/12/96	SQ	LB
ICPSL0341	AA85984	3/12/96	SQ	BS
B1 MS	AA86019	3/7/96	SQ	MS
B1 MSD	AA86020	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW6010
Initial
Extraction : SW3050
Matrix : SQ
Units : mg/Kg
Neat Sample : AA88173

MS Sample Name : B1 MS
MS LIMS ID : AA86019
MS Extraction : 3/12/96
MS Extraction : 10:00
MS Analysis : 3/13/96
MS Analysis : 14:33

MSD Sample Name : B1 MSD
MSD LIMS ID : AA86020
MSD Extraction : 3/12/96
MSD Extraction : 10:00
MSD Analysis : 3/13/96
MSD Analysis : 14:37

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Antimony	3.75	66.8	58.6	82		67.8	59.4	82		0		75	125	20	PR
Barium	201	267	427	85		271	428	84		1		75	125	20	PR
Beryllium	0	6.684	6.7	100		6.784	8.8	100		0		75	125	20	PR
Cadmium	0	6.684	5.36	80		6.784	5.03	74	*	8		75	125	20	PR
Chromium	53.2	26.7	83.1	112		27.1	79.7	98		14		75	125	20	PR
Cobalt	2.62	66.8	68.6	99		67.8	71.3	101		2		75	125	20	PR
Copper	75.9	33.4	103	81		33.9	104	83		2		75	125	20	PR
Manganese	58.1	66.8	121	94		67.8	134	112		17		75	125	20	PR
Nickel	6.5	66.8	74.8	102		67.8	76.2	103		1		75	125	20	PR
Silver	0	13.4	13.3	100		13.6	13.6	100		1		75	125	20	PR
Vanadium	5	66.8	71.4	99		67.8	73.2	101		2		75	125	20	PR
Zinc	204	66.8	257	79		67.8	243	58	*	32	*	75	125	20	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW6010
Initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : ICPSL0341
LIMS Sample ID : AA85984
Date of Extraction : 3/12/96
Time of Extraction : 10:00
Date of Analysis : 3/13/96
Time of Analysis : 14:21

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Aluminum	500	500	100		80	120	PR
Antimony	100	8.2	8	*	80	120	PR
Barium	500	473	95		80	120	PR
Beryllium	20	19	95		80	120	PR
Cadmium	20	20.7	103		80	120	PR
Calcium	1,250	1,250	100		80	120	PR
Chromium	20	19.9	100		80	120	PR
Cobalt	100	102	102		80	120	PR
Copper	100	102	102		80	120	PR
Iron	500	517	103		80	120	PR
Magnesium	1,250	1,270	102		80	120	PR
Manganese	100	101	101		80	120	PR
Nickel	100	102	102		80	120	PR
Potassium	1,250	1,240	99		80	120	PR
Silver	20	19.8	99		80	120	PR
Sodium	1,250	1,270	102		80	120	PR
Vanadium	100	102	102		80	120	PR
Zinc	100	96.1	96		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ICPWB0349

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8029	AA85987	3/12/96	SQ	LB
ICPWB0349	AA85988	3/13/96	WQ	LB
ICPWL0349	AA85989	3/13/96	WQ	BS
B1 MS	AA86019	3/7/96	SQ	MS
B1 MSD	AA86020	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW6010
initial
Extraction : SW3010
Matrix : SQ
Units : ug/L
Neat Sample : AA88173

MS Sample Name : B1 MS
MS LIMS ID : AA86019
MS Extraction : 3/13/96
MS Extraction : 13:30
MS Analysis : 3/14/96
MS Analysis : 10:31

MSD Sample Name : B1 MSD
MSD LIMS ID : AA86020
MSD Extraction : 3/13/96
MSD Extraction : 13:30
MSD Analysis : 3/14/96
MSD Analysis : 10:35

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Arsenic	24	2,000	1,910	94		2,000	1,920	95		1		75	125	20	PR
Barium	1,110	2,000	3,100	100		2,000	3,080	99		1		75	125	20	PR
Cadmium	0	50	33	66	*	50	33	66	*	0		75	125	20	PR
Chromium	9	200	224	108		200	223	107		1		75	125	20	PR
Lead	47	500	490	89		500	503	91		3		75	125	20	PR
Selenium	0	2,000	1,880	94		2,000	1,920	96		2		75	125	20	PR
Silver	0	100	99	99		100	101	101		2		75	125	20	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW6010
Initial
Extraction Method : SW3010
Matrix : WQ
Units : ug/L

Sample Name : ICPWL0349
LIMS Sample ID : AA85989
Date of Extraction : 3/13/96
Time of Extraction : 13:30
Date of Analysis : 3/14/96
Time of Analysis : 10:19

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Arsenic	1,000	934	93		80	120	PR
Barium	5,000	471	9	*	80	120	PR
Cadmium	200	199	100		80	120	PR
Chromium	200	208	104		80	120	PR
Lead	1,000	1,020	102		80	120	PR
Selenium	1,000	888	89		80	120	PR
Silver	200	195	98		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: ICPSL0341

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85984

Collector:

Date Sampled: 03/12/96

Time Sampled: 10:00

Log In Date: 03/12/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/12/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	14:21	CH
Aluminum	SW6010	50.0	500	03/13/96	14:21	CH
Antimony	SW6010	25.0	8.20 J	03/13/96	14:21	CH
Barium	SW6010	2.00	473	03/13/96	14:21	CH
Beryllium	SW6010	0.300	19.0	03/13/96	14:21	CH
Cadmium	SW6010	1.00	20.7	03/13/96	14:21	CH
Calcium	SW6010	10.0	1250	03/13/96	14:21	CH
Chromium	SW6010	5.00	19.9	03/13/96	14:21	CH
Cobalt	SW6010	5.00	102	03/13/96	14:21	CH
Copper	SW6010	5.00	102	03/13/96	14:21	CH
Iron	SW6010	5.00	517	03/13/96	14:21	CH
Magnesium	SW6010	25.0	1270	03/13/96	14:21	CH
Manganese	SW6010	1.00	101	03/13/96	14:21	CH
Nickel	SW6010	5.00	102	03/13/96	14:21	CH
Potassium	SW6010	60.0	1240	03/13/96	14:21	CH
Silver	SW6010	5.00	19.8	03/13/96	14:21	CH
Sodium	SW6010	25.0	1270	03/13/96	14:21	CH
Vanadium	SW6010	5.00	102	03/13/96	14:21	CH
Zinc	SW6010	1.00	96.1	03/13/96	14:21	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: ICPWL0349

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85989

Collector:

Date Sampled: 03/13/96

Time Sampled: 13:30

Log In Date: 03/13/96

Log In Time: 13:30

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest TCLP	SW3010		Done	03/13/96	13:30	JG
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/14/96	10:19	CH
Arsenic	SW6010	500	934	03/14/96	10:19	CH
Barium	SW6010	20.0	471	03/14/96	10:19	CH
Cadmium	SW6010	10.0	199	03/14/96	10:19	CH
Chromium	SW6010	50.0	208	03/14/96	10:19	CH
Lead	SW6010	120	1020	03/14/96	10:19	CH
Selenium	SW6010	500	888	03/14/96	10:19	CH
Silver	SW6010	50.0	195	03/14/96	10:19	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Page ____ of ____

Client: Bailey site RtB

Case: GE 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
[illegible]	S	[illegible]	[illegible]	SR	3/11/96	1400	SR	3/11/96	1500	S-Y
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-13	S	DRT		SR	3-12-96	1330	[illegible]	[illegible]	[illegible]	S-Y
[illegible]	S	DRG	9010	SR	3/13/96	[illegible]	SR	3/13/96	[illegible]	TJ
[illegible]-13	S	[illegible]	9065	[illegible]	3/13/96	0830	SR	3/13/96	0945	S-Y
01 [illegible]	S	[illegible]	7471A	SR	3-12-96	[illegible]	SR	3-12-96	1200	Y-S
01-13	X	[illegible]	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bailey

Case: GE-3913

Form Initiated 03/11/96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-13	X	JMG	TCLP	—	—	—	IPrep	3/13/96	1000	Y-X
01-13	X	JMG	3010	IPrep	3/13/96	1300	IPrep	3/13/96	1305	Y-X
01-13	D	[illegible]	7000-Fur	IPrep	3-13-96	1900	IPrep	3-13-96	1600	Y-D
01-13	D	[illegible]	[illegible]	IPrep	3-14-96	[illegible]	IPrep	3-14-96	1700	Y-D

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11: AA88183
02: AA88174	12: AA88184
03: AA88175	13: AA88185
04: AA88176	14:
05: AA88177	15:
06: AA88178	16:
07: AA88179	17:
08: AA88180	18:
09: AA88181	19:
10: AA88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Page 1 of 6

Client: Bailey

Case: GE-3913

Form Initiated 03/11/96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01-03	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-04	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-05	D	[illegible]	7000 FUR	Iprep	3-13-96	0900	Iprep	3-13-96	[illegible]	Y-D
1-5	D	CLP	[illegible]	IPREP	3-13-96	0915	IPREP	3-13-96	[illegible]	Y-D

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11:
02: AA88176	12:
03: AA88178	13:
04: AA88180	14:
05: AA88185	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 52D-341
Client: Bailey
Case: GE-3913
SDG: 02C88173
DV:030994
Page 1 of 1
Method Ref.: 3050A Fraction: ICP QC: NA Date 3/12/96 Tech: JDE
Balance:Syst.ID: BAL 002 CMR Ref.: 72C 083 LCS Ref.: 4414-4748,49
Reagents Ref.: 53B-668, 53B-649E, 53B-669B, 53B-664 MSS Ref.: 4414-56, 5755

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments SCF
1	PreBlk						0.1		Co	Co	C	C			AA85983
2	LCS						1		Co	Y	C	C			AA85984
3	AA88173	B1	NA	LS	Y	1.45	1		BK	Y	Cd	Cd	M	NA	0.125
4	AA88173MS	B1	1	1	1	1.36	1		BK	Y	Cd	Cd	M	NA	0.134 AA86019
5	AA88173MSD	B1	1	1	1	1.34	1		BK	Y	Cd	Cd	M	NA	0.136 AA86020
6	AA88176	D2	1	1	1	1.37	1		BK	Y	Cd	Cd	M	R V	0.270
7	AA88178	C2	1	1	1	1.43	1		BK	Y	Cd	Cd	M	R	0.125
8	AA88180	F2	1	1	1	1.37	1		BK	Y	Cd	Cd	M	V	0.192
9	AA88185	E1	V	V	V	1.53	V		BK	Y	Cd	Cd	M	V	0.269
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

R = Rocks
V = Vegetation

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 52D-349
Client: BAILEY -
Case: 6E-3913
SDG: 02188173
DV:030994
Page 1 of 1
Method Ref.: 3010 Fraction: ICP QC: NA Date 3 / 13 / 96 Tech: JRG
Balance:Syst.ID: BAL 002 CMR Ref.: 72C-084 LCS Ref.: 44H-62, 63, 64
Reagents Ref.: 53B-664 53B-649F MSS Ref.: 44H-56, 57, 58

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments
1	96B1K					.1	.1	1.0	Co	Co	C	C			AA85988
2	LCS									Y					AA85989
3	TC108IK	#8029	Y	LW	Y										AA85987
4	AA88173	B1													
5	AA88173	B1 MS													AA86019
6	AA88173	B1 MSD				↓	↓								AA86020
7	AA88174	D1				.08	.08								
8	AA88175	D3				.1	.1								
9	AA88176	D2													
10	AA88177	F3													
11	AA88178	C2													
12	AA88179	B2													
13	AA88180	F2													
14	AA88181	F1													
15	AA88182	F4													
16	AA88183	B3													
17	AA88184	E2													
18	AA88185	E1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

DV:060990
LENL-Pensacola, FL

TCLP Characterization Bench Sheet

Date 3/12/96 Initials MG

RL # 52D-345
Page 1 of 1

Balance: System ID BAL 009 C/M/R Ref: 195A-237 pH: System ID pH Stick C/M/R Ref: —

Oven: System ID NA C/M/R Ref: NA Drying Time In NA Out NA

Sample # ID	Wgt. CV	Wgt. CV+S	Wgt. TV	Wgt. TV+S	Wgt. TV-S	Wgt. F	Wgt. F+S	% Solids	% Dry Solids	pH #1	pH #2	Part. Size	Hmg.	Comments
AA88173							----			7	1-2			Fluid #1
88174							----			7				
88175							----			7				
88176							----			7				
88177							----			7				
88178							----			6				
88179							----			7				
88180							----			7				
88181							----			7				
88182							----			7				
88183							----			7				
88184							----			7				
88185							----			7				
---							----							
---							----							USED pH stick due
---							----							to sample matrix
---							----							
---							----							0-PICP Extraction
---							----							
---							----							
---							----							
---							----							

CV = Collection Vessel TV = Transfer Vessel F = Filter S = Sample

ICP Analysis Log

KL158D-165
DV:030994

LENL-Pensacola, FL
RL # 158D-165
Page 1 of 2 000070

Client: Bailey
SDG: 02B88173
Analyte(s): TAL List
Method Ref: 6010
System ID: ICP-OC-1
Program: RCRA
Results File ID: AA88173
Calib. Data: Cal. Stds. Ref: 149F.84
ICV Stds. Ref: 149F.91
PQL Stds. Ref: N/A
ICS Stds. Ref: 149F.84 149F.93
C / M / R Ref: 1580-pg 35
CRI Stds. Ref: 149F.77
Date 3/13/96 Analyst: CLH 3-14-96

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std 1		X	X	X	
	3	Cal. Std 2		X	X	X	
	4	Cal. Std 3		X	X	X	
	5	Cal. Std 4		X	X	X	
	6	Cal. Std 5		X	X	X	
	7	Cal Std. 6		X	X	X	
	8	Cal. Std 7		X	X	X	
	9	ICV		X	X	X	
	10	ICB		X	X	X	
	11	ICSAI		X	X	X	
	12	ICSABI		X	X	X	
	13	CRII/PQL		X	X	X	
✓	14	PB (W / S)		S	1	1	
✓	15	LCS (W / S)		S	1	1	
✓	16	AA88173	B1	S	.125	1	
	17	AA88173L		S	.125	5	
✓	18*	AA88173MS		S	.134	1	
✓	19*	AA88173MSD	✓	S	.136	1	
	20	BLK		X	X	X	omit CLH
	21	CCV		X	X	X	
	22	CCB1		X	X	X	
✓	23	AA88176	D2	S	.270	1	
✓	24	AA88178	C2	S	.125	1	
✓	25	AA88180	F2	S	.192	1	* Fe over-cal.
✓	26	AA88185	E1	S	.269	1	
	27	AA88173P	B1	S	.125	1	Zn=95%, Cu=104% Pb=98% Cd=118%
	28	X2		X	X	X	omit CLH
✓	29	AA88185	E1	S	.269	10	
	30*	CAF		X	X	X	

LENL-Pensacola, FL

DV:030994

RL # 158D-165

Page 2 of 00007

Client: Bailey

Case: N/A

SDG: 02B88173

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31*	ICSA		X	X	X	
32	ICSAB		X	X	X	
33	CCV		X	X	X	
34	CCB2		X	X	X	
35						
36						
37						
38						
39						
40						
41						
42*						
43*						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54*						
55*						
56						
57						
58						
59						
60						

Seq	Comments
	*= Dilution for Fe on RL# 158D-167.
	Cm

Least Squares Regression Report
Analyte : Ag Channel : 18
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
1:44 PM Wednesday March 13, 1996

Intercept : -1.99533E-03
Coefficient 2 : 1.81611E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.011	0.0027		Included
2	0.0480	0.0465	3.1358	0.267	0.0024		Included
3	0.0960	0.0962	-0.2196	0.541	0.0069		Included
4	0.4800	0.4810	-0.2176	2.660	0.0186		Included
5	1.2000	1.2084	-0.7035	6.665	0.0369		Included
6	2.0000	2.0379	-1.8930	11.232	0.0500		Included

Correlation Coefficient : 9.9976759E-01
Root Mean Square : 1.5279179E+00
Standard Error of Estimate : 3.3578196E-03

Least Squares Regression Report
Analyte : Al Channel : 12
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
1:44 PM Wednesday March 13, 1996

Intercept : -2.93256E-01
Coefficient 2 : 9.15105E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0009		0.319	0.0050		Included
2	0.4800	0.4894	-1.9557	0.855	0.0022		Included
3	2.4000	2.3628	1.5485	2.903	0.0118		Included
4	4.8000	4.7991	0.0193	5.565	0.0225		Included
5	24.0000	24.1817	-0.7570	26.745	0.1504		Included
6	60.0000	59.9094	0.1509	65.788	0.3672		Included
7	100.0000	99.9268	0.0732	109.517	0.4758		Included

Correlation Coefficient : 9.9999732E-01
Root Mean Square : 9.8737457E-01
Standard Error of Estimate : 8.2525845E-03

Least Squares Regression Report
Analyte : As Channel : 5
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
1:45 PM Wednesday March 13, 1996

Intercept : 5.92026E-04
Coefficient 2 : 1.18410E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.001	0.0231		Included
2	0.4800	0.4991	-3.9790	0.421	0.0186		Included
3	2.4000	2.4040	-0.1677	2.030	0.0264		Included
4	6.0000	5.9217	1.3050	5.000	0.0121		Included
5	10.0000	9.7389	2.6105	8.224	0.1070		Included

Correlation Coefficient : 9.9947186E-01
Root Mean Square : 2.2081026E+00
Standard Error of Estimate : 3.3240440E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Ba Channel : 2
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:45 PM Wednesday March 13, 1996

Intercept : -1.82654E-03
Coefficient 2 : 5.52861E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.032	0.0045		Included
2	0.0200	0.0375	-87.6859	0.712	0.0006		Included
3	0.0480	0.0438	8.7535	0.825	0.0036		Included
4	0.2400	0.2413	-0.5623	4.398	0.0143		Included
5	1.2000	1.1075	7.7069	20.065	0.0525		Included
6	2.4000	2.2631	5.7021	40.968	0.2972		Included
7	12.0000	11.3741	5.2161	205.764	1.0568		Included
8	30.0000	28.1048	6.3173	508.385	1.9794		Included
9	50.0000	46.4603	7.0794	840.394	5.5319		Included

Correlation Coefficient : 9.9672475E-01
Root Mean Square : 2.9767442E+01
Standard Error of Estimate : 1.0048643E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Be Channel : 13
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:45 PM Wednesday March 13, 1996

Intercept : -4.49457E-03
Coefficient 2 : 1.72645E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0002		0.269	0.0130		Included
2	0.0020	0.0018	9.0031	0.366	0.0130		Included
3	0.0100	0.0094	5.0524	0.804	0.0124		Included
4	0.0480	0.0486	-1.2373	3.075	0.0276		Included
5	0.0960	0.0959	-0.9826	5.875	0.0098		Included

6	0.4800	0.4915	-2.3929	28.728	0.1710	Included
7	1.2000	1.1933	0.5549	69.381	0.4476	Included

Correlation Coefficient : 9.9992589E-01
Root Mean Square : 4.2463073E+00
Standard Error of Estimate : 5.2634229E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Ca — Channel : 14 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:45 PM Wednesday March 13, 1996

Intercept : -9.14638E-01
Coefficient 2 : 7.82013E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0136		1.152	0.0046		Included
2	0.1000	0.1164	-16.4458	1.318	0.0024		Included
3	0.2400	0.2367	1.3832	1.472	0.0052		Included
4	1.2000	1.2113	-0.9386	2.718	0.0069		Included
5	6.0000	6.0064	-0.1061	8.850	0.0244		Included
6	12.0000	12.1915	-1.5958	16.759	0.0377		Included
7	60.0000	60.4913	-0.8189	78.523	0.4220		Included
8	150.0000	148.8329	0.7780	191.490	0.9668		Included
9	250.0000	245.3091	1.8764	314.859	1.0589		Included

Correlation Coefficient : 9.9981300E-01
Root Mean Square : 5.5838303E+00
Standard Error of Estimate : 1.0321578E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Cd — Channel : 20 — Internal Standard :
Order : 2nd Order
Weighting : Inverse Intensity Squared
Print Date : 1:45 PM Wednesday March 13, 1996

Intercept : 3.02754E-04
Coefficient 2 : 1.20081E-01
Coefficient 3 : -5.52896E-04

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		-0.003	0.0166		Included
2	0.0100	0.0081	18.9435	0.065	0.0014		Included
3	0.0480	0.0525	-9.2981	0.435	0.0056		Included
4	0.0960	0.1083	-12.8275	0.903	0.0219		Included
5	0.4800	0.5179	-7.8889	4.399	0.0393		Included
6	1.2000	1.2189	-1.5784	10.673	0.1008		Included
7	2.0000	1.9283	3.5846	17.459	0.0868		Included

Correlation Coefficient : 9.9900740E-01
Root Mean Square : 9.9098029E+00

Standard Error of Estimate : 1.7574959E-02

RL158D-165 cccc7

Least Squares Regression Report
Analyte : Co Channel : 21
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

1:46 PM Wednesday March 13, 1996

Intercept : -4.50924E-03
Coefficient 2 : 1.54195E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.029	0.0039		Included
2	0.0480	0.0477	0.6543	0.338	0.0042		Included
3	0.2400	0.2419	-0.8057	1.598	0.0166		Included
4	0.4800	0.4883	-1.7291	3.196	0.0191		Included
5	2.4000	2.4274	-1.1410	15.771	0.0743		Included
6	6.0000	5.9567	0.7219	38.660	0.2182		Included
7	10.0000	9.7762	2.2381	63.430	0.2261		Included

Correlation Coefficient : 9.9970524E-01
Root Mean Square : 1.2478101E+00
Standard Error of Estimate : 2.2711032E-03

Least Squares Regression Report
Analyte : Cr Channel : 30
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

1:46 PM Wednesday March 13, 1996

Intercept : -3.61777E-03
Coefficient 2 : 2.54247E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.014	0.0169		Included
2	0.0480	0.0472	1.7332	0.200	0.0075		Included
3	0.0960	0.0949	1.1428	0.387	0.0048		Included
4	0.4800	0.4866	-1.3820	1.928	0.0235		Included
5	1.2000	1.2073	-0.6081	4.763	0.0328		Included
6	2.0000	2.0131	-0.6566	7.932	0.0935		Included

Correlation Coefficient : 9.9995815E-01
Root Mean Square : 1.0817445E+00
Standard Error of Estimate : 3.2566149E-03

Least Squares Regression Report
Analyte : Cu Channel : 16
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

1:46 PM Wednesday March 13, 1996

Intercept : -1.26199E-02
Coefficient 2 : 9.74764E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0001		0.130	0.0033		Included
2	0.0480	0.0457	4.7507	0.599	0.0068		Included
3	0.2400	0.2406	-0.2497	2.598	0.0148		Included
4	0.4800	0.4885	-1.7619	5.140	0.0067		Included
5	2.4000	2.4259	-1.0780	25.016	0.1524		Included
6	6.0000	5.9901	0.1655	61.581	0.5243		Included
7	10.0000	10.0298	-0.2978	103.024	0.3621		Included

Correlation Coefficient : 9.9999033E-01
Root Mean Square : 1.9644653E+00
Standard Error of Estimate : 1.9520119E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Fe Channel : 28
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:46 PM Wednesday March 13, 1996

Intercept : -4.15000E-03
Coefficient 2 : 3.06378E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.014	0.0062		Included
2	0.0380	0.0400	-5.3816	0.144	0.0125		Included
3	0.0960	0.0939	2.1970	0.320	0.0042		Included
4	0.4800	0.4747	1.1003	1.563	0.0153		Included
5	2.4000	2.4242	-1.0084	7.926	0.1133		Included
6	4.8000	4.8966	-2.0123	15.996	0.0836		Included
7	24.0000	24.1031	-0.4296	78.685	0.4946		Included
8	60.0000	59.1073	1.4878	192.936	1.3607		Included
9	100.0000	97.1607	2.8393	317.140	1.1195		Included

Correlation Coefficient : 9.9956107E-01
Root Mean Square : 2.3693690E+00
Standard Error of Estimate : 7.6154687E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Hg Channel : 3
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:47 PM Wednesday March 13, 1996

Intercept : 2.23183E-02
Coefficient 2 : 6.19985E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

1	0.0000	-0.0002		-0.036	0.0107		Included
2	0.2400	0.2534	-5.5907	0.373	0.0117		Included
3	0.4800	0.4983	-3.8150	0.768	0.0152		Included
4	2.4000	2.3308	2.8820	3.723	0.0480		Included
5	6.0000	5.8068	3.2203	9.330	0.1043		Included
6	10.0000	9.6152	3.8481	15.473	0.0578		Included

Correlation Coefficient : 9.9882381E-01
Root Mean Square : 3.6353444E+00
Standard Error of Estimate : 2.8616729E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : K Channel : 26 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:47 PM Wednesday March 13, 1996

Intercept : -2.23820E+00
Coefficient 2 : 5.52038E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0141		0.408	0.0018		Included
2	0.6000	0.6296	-4.9395	0.519	0.0013		Included
3	3.0000	2.8571	4.7630	0.923	0.0034		Included
4	6.0000	5.9292	1.1800	1.479	0.0131		Included
5	30.0000	30.0174	-0.0579	5.843	0.0606		Included
6	75.0000	75.1713	-0.2284	14.022	0.1367		Included
7	125.0000	127.2478	-1.7982	23.456	0.2994		Included

Correlation Coefficient : 9.9981745E-01
Root Mean Square : 2.7194040E+00
Standard Error of Estimate : 8.9497832E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Mg Channel : 4 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:47 PM Wednesday March 13, 1996

Intercept : -2.37541E+00
Coefficient 2 : 3.87067E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0027		0.613	0.0008		Included
2	0.2400	0.2354	1.9331	0.674	0.0010		Included
3	1.2000	1.1992	0.0701	0.923	0.0013		Included
4	6.0000	6.0085	-0.1412	2.166	0.0093		Included
5	12.0000	12.2219	-1.8489	3.771	0.0120		Included
6	60.0000	60.7166	-1.1943	16.300	0.0801		Included
7	150.0000	148.8441	0.7706	39.068	0.2468		Included
8	250.0000	245.8354	1.6658	64.126	0.2237		Included

Correlation Coefficient : 9.9983976E-01
Root Mean Square : 1.2234873E+00
Standard Error of Estimate : 4.1971320E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Mn — Channel : 27 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:47 PM Wednesday March 13, 1996

Intercept : -1.14585E-03
Coefficient 2 : 2.57680E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.045	0.0144		Included
2	0.0100	0.0094	6.1318	0.409	0.0180		Included
3	0.0480	0.0479	0.2949	1.902	0.0424		Included
4	0.2400	0.2434	-1.4242	9.491	0.0483		Included
5	0.4800	0.4932	-2.7500	19.184	0.1580		Included
6	2.4000	2.4415	-1.7286	94.793	0.6111		Included
7	6.0000	5.9829	0.2855	232.227	1.6155		Included

Correlation Coefficient : 9.9996334E-01
Root Mean Square : 2.6818582E+00
Standard Error of Estimate : 7.8516999E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Mo — Channel : 10 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:48 PM Wednesday March 13, 1996

Intercept : -3.00744E-03
Coefficient 2 : 3.42330E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.009	0.0092		Included
2	0.0480	0.0519	-8.0227	0.160	0.0120		Included
3	0.0960	0.0974	-1.4383	0.293	0.0057		Included
4	0.4800	0.4734	1.3687	1.392	0.0399		Included
5	1.2000	1.1662	2.8150	3.415	0.0199		Included
6	2.0000	1.9281	3.5963	5.641	0.0590		Included

Correlation Coefficient : 9.9901728E-01
Root Mean Square : 3.8549436E+00
Standard Error of Estimate : 1.4867862E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Na — Channel : 9 — Internal Standard :
Order : 1st Order

RL198U-160

Weighting : Inverse Intensity Squared
Print Date : 1:48 PM Wednesday March 13, 1996

Intercept : 1.50887E-01
Coefficient 2 : 6.42201E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0028		-0.239	0.0041		Included
2	0.2400	0.2406	-0.2644	0.140	0.0039		Included
3	1.2000	1.2504	-4.2020	1.712	0.0306		Included
4	6.0000	5.9177	1.3714	8.980	0.0722		Included
5	12.0000	12.0605	-0.5042	18.545	0.2509		Included
6	60.0000	60.4353	-0.7254	93.872	0.9986		Included
7	150.0000	146.4442	2.3705	227.800	2.1263		Included
8	250.0000	239.2818	4.2873	372.362	4.1435		Included

Correlation Coefficient : 9.9893592E-01
Root Mean Square : 2.3555360E+00
Standard Error of Estimate : 1.9202339E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Ni Channel : 22
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:48 PM Wednesday March 13, 1996

Intercept : -3.14881E-04
Coefficient 2 : 1.57426E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.002	0.0031		Included
2	0.0480	0.0484	-0.9329	0.310	0.0339		Included
3	0.2400	0.2434	-1.4249	1.548	0.0285		Included
4	0.4800	0.4912	-2.3350	3.122	0.0705		Included
5	2.4000	2.4280	-1.1658	15.425	0.1383		Included
6	6.0000	5.8838	1.9361	37.377	0.0912		Included
7	10.0000	9.6366	3.6337	61.216	0.3895		Included

Correlation Coefficient : 9.9918207E-01
Root Mean Square : 1.9517225E+00
Standard Error of Estimate : 3.6889017E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Pb Channel : 19
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:48 PM Wednesday March 13, 1996

Intercept : -3.12259E-03
Coefficient 2 : 6.24349E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

1	0.0000	-0.0000		0.005	0.0059	Included
2	0.1200	0.1207	-0.5455	0.198	0.0067	Included
3	0.6000	0.6075	-1.2485	0.978	0.0116	Included
4	1.2000	1.2393	-3.2777	1.990	0.0189	Included
5	6.0000	6.0418	-0.6971	9.682	0.0490	Included
6	15.0000	14.6635	2.2436	23.491	0.1364	Included
7	25.0000	24.2032	3.1872	38.770	0.2462	Included

Correlation Coefficient : 9.9932852E-01
Root Mean Square : 2.0098755E+00
Standard Error of Estimate : 1.4876283E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Sb — Channel : 17 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:48 PM Wednesday March 13, 1996

Intercept : -4.46960E-03
Coefficient 2 : 4.46195E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.010	0.0132		Included
2	0.2400	0.2648	-10.3370	0.603	0.0203		Included
3	0.4800	0.4969	-3.5295	1.124	0.0216		Included
4	2.4000	2.3341	2.7438	5.241	0.0569		Included
5	6.0000	5.7371	4.3825	12.868	0.0836		Included
6	10.0000	9.5213	4.7866	21.349	0.1259		Included

Correlation Coefficient : 9.9812757E-01
Root Mean Square : 5.3065671E+00
Standard Error of Estimate : 2.7367354E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Se — Channel : 11 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:49 PM Wednesday March 13, 1996

Intercept : -4.93417E-02
Coefficient 2 : 8.34023E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		0.059	0.0083		Included
2	0.4800	0.4826	-0.5326	0.638	0.0173		Included
3	0.8000	0.8370	-4.6270	1.063	0.0742		Included
4	2.4000	2.4410	-1.7104	2.986	0.0576		Included
5	6.0000	5.9060	1.5667	7.140	0.0930		Included
6	10.0000	9.5715	4.2847	11.535	0.1356		Included

Correlation Coefficient : 9.9874737E-01

Root Mean Square : 2.7517163E+00
Standard Error of Estimate : 2.7278072E-02

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Least Squares Regression Report
Task Name : RCRA
Analyte : Sn Channel : 6
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:49 PM Wednesday March 13, 1996

Intercept : -4.11968E-01
Coefficient 2 : 2.98207E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0015		1.386	0.0304		Included
2	0.4800	0.4715	1.7768	2.962	0.0138		Included
3	0.9600	0.9621	-0.2184	4.608	0.0263		Included
4	4.8000	4.8322	-0.6699	17.585	0.1413		Included
5	12.0000	11.9894	0.0881	41.586	0.2955		Included
6	20.0000	19.9843	0.0786	68.396	0.4121		Included

Correlation Coefficient : 9.9999773E-01
Root Mean Square : 7.8182936E-01
Standard Error of Estimate : 1.8111644E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Tl Channel : 7
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:49 PM Wednesday March 13, 1996

Intercept : -3.15517E-02
Coefficient 2 : 7.69448E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.041	0.0048		Included
2	0.2400	0.2360	1.6696	0.348	0.0194		Included
3	0.4800	0.4832	-0.6717	0.669	0.0125		Included
4	2.4000	2.4931	-3.8775	3.281	0.0469		Included
5	6.0000	5.8287	2.8546	7.616	0.1182		Included

Correlation Coefficient : 9.9925163E-01
Root Mean Square : 2.2988066E+00
Standard Error of Estimate : 2.2112542E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : V Channel : 8
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:49 PM Wednesday March 13, 1996

Intercept : -2.075082E-03
Coefficient 2 : 2.37565E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.009	0.0061		Included
2	0.0480	0.0460	4.1004	0.202	0.0062		Included
3	0.2400	0.2386	0.5677	1.013	0.0028		Included
4	0.4800	0.4872	-1.5102	2.060	0.0127		Included
5	2.4000	2.4325	-1.3562	10.248	0.0664		Included
6	6.0000	6.0581	-0.9691	25.510	0.1241		Included
7	10.0000	10.0711	-0.7109	42.402	0.1347		Included

Correlation Coefficient : 9.9994667E-01
Root Mean Square : 1.8008043E+00
Standard Error of Estimate : 5.0383926E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Zn — Channel : 15 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 1:50 PM Wednesday March 13, 1996

Intercept : -1.14478E-03
Coefficient 2 : 5.11949E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.022	0.0095		Included
2	0.0100	0.0107	-6.6845	0.231	0.0083		Included
3	0.0480	0.0470	2.0216	0.941	0.0127		Included
4	0.2400	0.2393	0.2950	4.696	0.0513		Included
5	0.4800	0.4888	-1.8260	9.569	0.0931		Included
6	2.4000	2.3633	1.5300	46.185	0.4579		Included
7	6.0000	5.8203	2.9945	113.712	0.9325		Included

Correlation Coefficient : 9.9943835E-01
Root Mean Square : 3.0118479E+00
Standard Error of Estimate : 1.6438276E-03

ICP Analysis Log

LENL-Pensacola, FL

RL# 158D-167

Client: Bailey

Analyte(s): TCLP List

System ID: ICP-001 Program: RCRA

Calib. Data: Cal. Stds. Ref: 149F-84

PQL Stds. Ref: N/A

C / M / R Ref: 158D-Pg35

Date 3/14/96 Analyst: CLH

RL158D-167 DV:030994 CCCC83

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SDG: 02B88173

Method Ref: 6010

Results File ID: AA88173

ICV Stds. Ref: 149F-91

ICS Stds. Ref: 149F-86 149F-93

CRI Stds. Ref: 149F-77

(99) 3-14-96

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std 1		X	X	X	
	3	Cal. Std 2		X	X	X	
	4	Cal. Std 3		X	X	X	
	5	Cal. Std 4		X	X	X	
	6	Cal. Std 5		X	X	X	
	7	Cal Std. 6		X	X	X	
	8	Cal. Std 7		X	X	X	
	9	ICV		X	X	X	
	10	ICB		X	X	X	
	11	ICSAI		X	X	X	
	12	ICSABI		X	X	X	
	13	CRII/PQL		X	X	X	
✓	14	PB (W / S)	349	W	1	1	
✓	15	LCS (W / S)	349	W	1	1	
✓	16	AA88173	B1	W	1	1	
	17	AA88173L	↓	W	1	5	
✓	18*	AA88173MS	↓	W	1	1	
✓	19*	AA88173MSD	↓	W	1	1	
	20	BLK		X	X	X	omit CLH
	21	CCV		X	X	X	
	22	CCB1		X	X	X	
✓	23	AA88174	D1	W	1	1	
✓	24	AA88175	D3	W	1	1	
✓	25	AA88176	D2	W	1	1	
✓	26	AA88177	F3	W	1	1	
✓	27	AA88178	C2	W	1	1	
✓	28	AA88179	B2	W	1	1	
✓	29	AA88180	F2	W	1	1	
✓	30*	AA88181	F1	W	1	1	

LENL-Pensacola, FL

RL158D-167 DV:030994 008

RL # 158D-167

Page 2 of 2

Client: Bailey Case: N/A SDG: 02B88173

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	31*	BLK		X	X	X	omit Cu
	32	BLK		X	X	X	
	33	CCV		X	X	X	
	34	CCB2		X	X	X	
✓	35	AA88182	F4	W	1	1	
✓	36	AA88183	B3	W	1	1	
✓	37	AA88184	E2	W	1	1	
✓	38	AA88185	E1	W	1	1	
✓	39	TCLP	8021	W	1	1	
	40	AA88173P	B1	W	1	1	Cd .2 ccw =99%
✓	41	AA88180	F2	S	.192	10	Fe only!
	42*	CrF		X	X	X	
	43*	ICSA		X	X	X	
	44	ICSAB		X	X	X	
	45	CCV		X	X	X	
	46	CCB3		X	X	X	
	47						
	48						
	49						
	50						
	51						
	52						
	53						
	54*						
	55*						
	56						
	57						
	58						
	59						
	60						

Seq	Comments

Least Squares Regression Report — Task Name : RCRA

Analyte : Ag — Channel : 18 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:25 AM Thursday March 14, 1996

Intercept : -1.15270E-03

Coefficient 2 : 1.70748E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.007	0.0061		Included
2	0.0480	0.0483	-0.5811	0.289	0.0026		Included
3	0.0960	0.0962	-0.1810	0.570	0.0070		Included
4	0.4800	0.4747	1.0994	2.787	0.0411		Included
5	1.2000	1.1964	0.2973	7.014	0.0806		Included
6	2.0000	2.0136	-0.6817	11.800	0.0990		Included

Correlation Coefficient : 9.9996509E-01

Root Mean Square : 5.9613913E-01

Standard Error of Estimate : 1.2450859E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Al — Channel : 12 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:25 AM Thursday March 14, 1996

Intercept : -3.54185E-01

Coefficient 2 : 8.44861E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0235		0.447	0.0022		Included
2	0.4800	0.3916	18.4133	0.883	0.0043		Included
3	2.4000	2.3259	3.0864	3.172	0.0282		Included
4	4.8000	4.8846	-1.7623	6.201	0.0486		Included
5	24.0000	24.6600	-2.7502	29.607	0.3006		Included
6	60.0000	61.2138	-2.0230	72.873	0.6821		Included
7	100.0000	102.2321	-2.2321	121.424	0.9346		Included

Correlation Coefficient : 9.9961405E-01

Root Mean Square : 7.2537771E+00

Standard Error of Estimate : 5.4082683E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : As — Channel : 5 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:25 AM Thursday March 14, 1996

Intercept : 5.64292E-03

Coefficient 2 : 1.02651E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.006	0.0050		Included
2	0.4800	0.5038	-4.9492	0.485	0.0043		Included
3	2.4000	2.4105	-0.4373	2.343	0.0180		Included
4	6.0000	5.8490	2.5159	5.692	0.0739		Included
5	10.0000	9.7398	2.6023	9.483	0.0558		Included

Correlation Coefficient : 9.9935493E-01
Root Mean Square : 2.7491114E+00
Standard Error of Estimate : 3.5932519E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Ba — Channel : 2 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:25 AM Thursday March 14, 1996

Intercept : -3.86634E-03
Coefficient 2 : 5.23206E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0001		0.075	0.0059		Included
2	0.0200	0.0181	9.3930	0.420	0.0021		Included
3	0.0480	0.0463	3.6044	0.958	0.0085		Included
4	0.2400	0.2391	0.3870	4.643	0.0384		Included
5	1.2000	1.2104	-0.8691	23.209	0.2082		Included
6	2.4000	2.4774	-3.2239	47.424	0.4472		Included
7	12.0000	12.3812	-3.1768	236.715	2.9235		Included
8	30.0000	30.6334	-2.1113	585.567	5.3792		Included
9	50.0000	50.7391	-1.4781	969.846	8.5337		Included

Correlation Coefficient : 9.9978275E-01
Root Mean Square : 3.7896587E+00
Standard Error of Estimate : 2.1171253E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Be — Channel : 13 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:25 AM Thursday March 14, 1996

Intercept : -2.38145E-03
Coefficient 2 : 1.59789E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.149	0.0014		Included
2	0.0020	0.0020	-1.4367	0.276	0.0033		Included
3	0.0100	0.0096	4.4121	0.747	0.0064		Included
4	0.0480	0.0484	-0.8490	3.178	0.0319		Included
5	0.0960	0.0974	-1.4571	6.244	0.0731		Included

[illegible]	[illegible]	0.4871	-1.4809	30.633	0.3951	[illegible]	Included
7	1.2000	1.1890	0.9162	74.560	0.7733		Included

Correlation Coefficient : 9.9992764E-01
Root Mean Square : 1.9787012E+00
Standard Error of Estimate : 3.1752675E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Ca — Channel : 14 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:26 AM Thursday March 14, 1996

Intercept : -9.25993E-01
Coefficient 2 : 7.25985E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.4467		1.891	0.0100		Included
2	0.1000	-0.0011	101.0877	1.274	0.0035		Included
3	0.2400	0.1372	42.8281	1.464	0.0040		Included
4	1.2000	1.0982	8.4803	2.788	0.0165		Included
5	6.0000	5.8556	2.4063	9.341	0.0656		Included
6	12.0000	12.0584	-0.4870	17.885	0.1278		Included
7	60.0000	59.6688	0.5521	83.465	0.8774		Included
8	150.0000	147.2103	1.8598	204.048	1.9561		Included
9	250.0000	243.1491	2.7404	336.198	2.8925		Included

Correlation Coefficient : 9.9956434E-01
Root Mean Square : 3.6730522E+01
Standard Error of Estimate : 9.9447870E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Cd — Channel : 20 — Internal Standard :
Order : 2nd Order
Weighting : Inverse Intensity Squared
Print Date : — 9:26 AM Thursday March 14, 1996

Intercept : 1.18270E-03
Coefficient 2 : 1.04038E-01
Coefficient 3 : 9.21589E-05

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		-0.011	0.0097		Included
2	0.0100	0.0093	6.7579	0.078	0.0151		Included
3	0.0480	0.0497	-3.5088	0.466	0.0039		Included
4	0.0960	0.1006	-4.8152	0.955	0.0207		Included
5	0.4800	0.4901	-2.1090	4.680	0.0898		Included
6	1.2000	1.1986	0.1163	11.394	0.1521		Included
7	2.0000	1.9856	0.7185	18.762	0.1698		Included

Correlation Coefficient : 9.9995316E-01
Root Mean Square : 3.5080538E+00

Least Squares Regression Report — Task Name : RCRA
Analyte : Co — Channel : 21 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:26 AM Thursday March 14, 1996

Intercept : 1.27623E-13
Coefficient 2 : 1.40323E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		-0.000	0.0124		Included
2	0.0480	0.0503	-4.8034	0.359	0.0218		Included
3	0.2400	0.2434	-1.4123	1.734	0.0257		Included
4	0.4800	0.4900	-2.0847	3.492	0.0625		Included
5	2.4000	2.3778	0.9250	16.945	0.1150		Included
6	6.0000	5.8298	2.8360	41.546	0.3430		Included
7	10.0000	9.6001	3.9990	68.414	0.4221		Included

Correlation Coefficient : 9.9894160E-01
Root Mean Square : 2.7852586E+00
Standard Error of Estimate : 4.6054371E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Cr — Channel : 30 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:26 AM Thursday March 14, 1996

Intercept : -5.27183E-03
Coefficient 2 : 2.60699E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0001		0.021	0.0075		Included
2	0.0480	0.0379	20.9603	0.166	0.0140		Included
3	0.0960	0.1022	-6.4597	0.412	0.0182		Included
4	0.4800	0.4997	-4.1046	1.937	0.0240		Included
5	1.2000	1.2698	-5.8172	4.891	0.0367		Included
6	2.0000	2.1188	-5.9387	8.147	0.0792		Included

Correlation Coefficient : 9.9698939E-01
Root Mean Square : 9.7212836E+00
Standard Error of Estimate : 3.3445598E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Cu — Channel : 16 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:27 AM Thursday March 14, 1996

Intercept : -1.43343E-02
Coefficient 2 : 9.18218E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0002		0.155	0.0073		Included
2	0.0480	0.0520	-8.2376	0.723	0.0029		Included
3	0.2400	0.2313	3.6330	2.681	0.0262		Included
4	0.4800	0.4863	-1.3050	5.464	0.0337		Included
5	2.4000	2.3880	0.4986	26.220	0.2129		Included
6	6.0000	5.9272	1.2129	64.849	0.3794		Included
7	10.0000	9.9162	0.8382	108.386	0.7070		Included

Correlation Coefficient : 9.9992968E-01
Root Mean Square : 3.4883791E+00
Standard Error of Estimate : 2.9947051E-03

Least Squares Regression Report
Analyte : Fe Channel : 28 Task Name : RCRA
Order : 1st Order Internal Standard :
Weighting : Inverse Intensity Squared
Print Date :
9:27 AM Thursday March 14, 1996

Intercept : -7.24296E-03
Coefficient 2 : 2.96181E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.024	0.0070		Included
2	0.0380	0.0383	-0.7759	0.154	0.0081		Included
3	0.0960	0.0918	4.4214	0.334	0.0102		Included
4	0.4800	0.4860	-1.2442	1.665	0.0363		Included
5	2.4000	2.4297	-1.2389	8.228	0.0336		Included
6	4.8000	4.9336	-2.7843	16.682	0.1648		Included
7	24.0000	24.1916	-0.7981	81.703	1.1119		Included
8	60.0000	59.6500	0.5833	201.422	2.0905		Included
9	100.0000	98.1483	1.8517	331.404	3.2410		Included

Correlation Coefficient : 9.9982173E-01
Root Mean Square : 1.9830328E+00
Standard Error of Estimate : 6.4925579E-03

Least Squares Regression Report
Analyte : Hg Channel : 3 Task Name : RCRA
Order : 1st Order Internal Standard :
Weighting : Inverse Intensity Squared
Print Date :
9:27 AM Thursday March 14, 1996

Intercept : 1.56199E-02
Coefficient 2 : 6.25398E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

1	0.0000	-0.0000		-0.025	0.0093	Included
2	0.2400	0.2395	0.2032	0.358	0.0264	Included
3	0.4800	0.4983	-3.8064	0.772	0.0119	Included
4	2.4000	2.3820	0.7512	3.784	0.0539	Included
5	6.0000	5.9142	1.4297	9.432	0.1899	Included
6	10.0000	9.8575	1.4249	15.737	0.1765	Included

Correlation Coefficient : 9.9982542E-01
Root Mean Square : 1.7674082E+00
Standard Error of Estimate : 1.3694098E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : K — Channel : 26 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:27 AM Thursday March 14, 1996

Intercept : -2.06357E+00
Coefficient 2 : 5.18797E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0505		0.407	0.0010		Included
2	0.6000	0.5862	2.3016	0.511	0.0005		Included
3	3.0000	2.7976	6.7479	0.937	0.0014		Included
4	6.0000	5.9285	1.1916	1.540	0.0037		Included
5	30.0000	30.1239	-0.4130	6.204	0.0923		Included
6	75.0000	75.1763	-0.2350	14.888	0.1611		Included
7	125.0000	128.3607	-2.6886	25.140	0.3244		Included

Correlation Coefficient : 9.9959297E-01
Root Mean Square : 2.9205143E+00
Standard Error of Estimate : 1.2911161E-01

Least Squares Regression Report — Task Name : RCRA
Analyte : Mg — Channel : 4 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:28 AM Thursday March 14, 1996

Intercept : -2.25762E+00
Coefficient 2 : 3.58727E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.1001		0.657	0.0010		Included
2	0.2400	0.1638	31.7566	0.675	0.0008		Included
3	1.2000	1.1288	5.9367	0.944	0.0024		Included
4	6.0000	5.9716	0.4738	2.294	0.0134		Included
5	12.0000	12.3192	-2.6604	4.063	0.0231		Included
6	60.0000	60.9106	-1.5177	17.609	0.1518		Included
7	150.0000	149.0238	0.6508	42.172	0.2771		Included
8	250.0000	245.9402	1.6239	69.188	0.4758		Included

Root Mean Square	: 1.1491284E+01
Standard Error of Estimate	: 9.5414694E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Mn — Channel : 27 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : — 9:28 AM Thursday March 14, 1996

Intercept : -4.87897E-03

Coefficient 2 : 2.58156E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0008		0.220	0.0186		Included
2	0.0100	0.0067	32.8776	0.449	0.0250		Included
3	0.0480	0.0468	2.5860	2.000	0.0211		Included
4	0.2400	0.2482	-3.4239	9.804	0.1005		Included
5	0.4800	0.5098	-6.2138	19.938	0.2304		Included
6	2.4000	2.5132	-4.7173	97.541	1.4006		Included
7	6.0000	6.2007	-3.3449	240.381	2.5697		Included

Correlation Coefficient	: 9.9909898E-01
Root Mean Square	: 1.2936095E+01
Standard Error of Estimate	: 3.7958653E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Mo — Channel : 10 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : — 9:28 AM Thursday March 14, 1996

Intercept : -2.95042E-03

Coefficient 2 : 3.38252E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.009	0.0038		Included
2	0.0480	0.0451	6.0806	0.142	0.0154		Included
3	0.0960	0.0973	-1.3090	0.296	0.0130		Included
4	0.4800	0.4981	-3.7676	1.481	0.0289		Included
5	1.2000	1.2138	-1.1521	3.597	0.0304		Included
6	2.0000	1.9953	0.2365	5.907	0.0439		Included

Correlation Coefficient	: 9.9991514E-01
Root Mean Square	: 3.0073703E+00
Standard Error of Estimate	: 1.2309202E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Na — Channel : 9 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared
Print Date : 9:28 AM Thursday March 14, 1996

Intercept : 1.47303E-01
Coefficient 2 : 4.90149E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.9072		1.550	0.0243		Included
2	0.2400	0.2308	3.8537	0.170	0.0029		Included
3	1.2000	1.0507	12.4426	1.842	0.0330		Included
4	6.0000	5.0447	15.9218	9.988	0.0269		Included
5	12.0000	10.4545	12.8796	21.020	0.0458		Included
6	60.0000	52.1669	13.0552	106.087	1.6143		Included
7	150.0000	124.9526	16.6982	254.523	2.3478		Included
8	250.0000	204.7012	18.1195	417.160	4.5398		Included

Correlation Coefficient : 9.7687744E-01
Root Mean Square : 1.3070212E+01
Standard Error of Estimate : 2.5615862E-01

Least Squares Regression Report
Task Name : RCRA
Analyte : Ni Channel : 22
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:29 AM Thursday March 14, 1996

Intercept : 1.76979E-03
Coefficient 2 : 1.49116E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		-0.012	0.0173		Included
2	0.0480	0.0476	0.8979	0.307	0.0316		Included
3	0.2400	0.2410	-0.4373	1.604	0.0474		Included
4	0.4800	0.4975	-3.6371	3.324	0.0745		Included
5	2.4000	2.4344	-1.4328	16.313	0.1615		Included
6	6.0000	5.9122	1.4641	39.635	0.3654		Included
7	10.0000	9.7158	2.8422	65.143	0.3738		Included

Correlation Coefficient : 9.9949751E-01
Root Mean Square : 1.9457038E+00
Standard Error of Estimate : 3.4168878E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Pb Channel : 19
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:29 AM Thursday March 14, 1996

Intercept : 5.49565E-03
Coefficient 2 : 5.80320E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

1	0.0000	-0.0000		-0.010	0.0180	Included
2	0.1200	0.1282	-6.8610	0.211	0.0157	Included
3	0.6000	0.6060	-0.9969	1.035	0.0176	Included
4	1.2000	1.2227	-1.8930	2.097	0.0144	Included
5	6.0000	5.9372	1.0461	10.221	0.0895	Included
6	15.0000	14.4734	3.5104	24.931	0.1683	Included
7	25.0000	23.7673	4.9310	40.946	0.1820	Included

Correlation Coefficient : 9.9838957E-01
Root Mean Square : 3.5733634E+00
Standard Error of Estimate : 2.4737082E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Sb — Channel : 17 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:29 AM Thursday March 14, 1996

Intercept : -1.22160E-02
Coefficient 2 : 4.40307E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.028	0.0166		Included
2	0.2400	0.2329	2.9480	0.557	0.0165		Included
3	0.4800	0.5080	-5.8347	1.181	0.0401		Included
4	2.4000	2.4083	-0.3442	5.497	0.0352		Included
5	6.0000	5.9168	1.3859	13.466	0.1240		Included
6	10.0000	9.8563	1.4373	22.413	0.1929		Included

Correlation Coefficient : 9.9982446E-01
Root Mean Square : 2.7940183E+00
Standard Error of Estimate : 1.4185439E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Se — Channel : 11 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:29 AM Thursday March 14, 1996

Intercept : 5.16223E-03
Coefficient 2 : 7.65425E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.007	0.0303		Included
2	0.4800	0.5111	-6.4808	0.561	0.0275		Included
3	0.8000	0.8376	-4.6952	1.088	0.0236		Included
4	2.4000	2.4218	-0.9083	3.157	0.0600		Included
5	6.0000	5.7812	3.6458	7.546	0.0814		Included
6	10.0000	9.2716	7.2841	12.106	0.1172		Included

Correlation Coefficient : 9.9627063E-01

Root Mean Square : 9.8705762E+00
Standard Error of Estimate : 4.4487228E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Sn — Channel : 6 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:29 AM Thursday March 14, 1996

Intercept : -3.82031E-01
Coefficient 2 : 2.85244E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0003		1.338	0.0178		Included
2	0.4800	0.4775	0.5251	3.013	0.0345		Included
3	0.9600	0.9700	-1.0442	4.740	0.0548		Included
4	4.8000	4.8113	-0.2346	18.206	0.2411		Included
5	12.0000	11.9547	0.3776	43.250	0.3126		Included
6	20.0000	19.9556	0.2218	71.299	0.3416		Included

Correlation Coefficient : 9.9999344E-01
Root Mean Square : 5.1846768E-01
Standard Error of Estimate : 1.3314250E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Tl — Channel : 7 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:30 AM Thursday March 14, 1996

Intercept : -3.50330E-02
Coefficient 2 : 7.15070E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0002		0.049	0.0309		Included
2	0.2400	0.2445	-1.8878	0.391	0.0250		Included
3	0.4800	0.5008	-4.3433	0.749	0.0212		Included
4	2.4000	2.4346	-1.4410	3.454	0.1057		Included
5	6.0000	5.6329	6.1176	7.926	0.1755		Included

Correlation Coefficient : 9.9731307E-01
Root Mean Square : 3.5193709E+00
Standard Error of Estimate : 3.2468356E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : V — Channel : 8 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:30 AM Thursday March 14, 1996

Coefficient 2 : 2.18972E-01

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Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.001	0.0056		Included
2	0.0480	0.0464	3.4013	0.213	0.0155		Included
3	0.2400	0.2375	1.0520	1.086	0.0172		Included
4	0.4800	0.4854	-1.1149	2.218	0.0257		Included
5	2.4000	2.4291	-1.2129	11.094	0.1660		Included
6	5.0000	5.0724	-1.2070	27.733	0.3294		Included
7	10.0000	10.1060	-1.0599	46.153	0.5024		Included

Correlation Coefficient : 9.9990306E-01
Root Mean Square : 1.6022403E+00
Standard Error of Estimate : 4.2180998E-03

Least Squares Regression Report
Analyte : Zn Channel : 15
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

9:30 AM Thursday March 14, 1996

Intercept : -2.32644E-03
Coefficient 2 : 5.19773E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.045	0.0099		Included
2	0.0100	0.0093	6.5754	0.224	0.0247		Included
3	0.0480	0.0483	-0.6238	0.974	0.0137		Included
4	0.2400	0.2411	-0.4784	4.684	0.0553		Included
5	0.4800	0.4992	-4.0005	9.649	0.1129		Included
6	2.4000	2.4116	-0.4840	46.442	0.5372		Included
7	5.0000	5.9510	0.8172	114.536	1.3132		Included

Correlation Coefficient : 9.9995153E-01
Root Mean Square : 2.9461747E+00
Standard Error of Estimate : 1.6283563E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Cd Channel : 20
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:33 AM Thursday March 14, 1996

Intercept : 1.18753E-03
Coefficient 2 : 1.04566E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		-0.011	0.0097		Included
2	0.0100	0.0094	6.3019	0.078	0.0151		Included
3	0.0480	0.0499	-3.9900	0.466	0.0039		Included
4	0.0960	0.1010	-5.2582	0.955	0.0207		Included
5	0.4800	0.4906	-2.2045	4.680	0.0898		Included
6	1.2000	1.1927	0.6114	11.394	0.1521		Included
7	2.0000	1.9631	1.8448	18.762	0.1698		Included

Correlation Coefficient : 9.9978269E-01
Root Mean Square : 3.6237393E+00
Standard Error of Estimate : 4.9003905E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Na Channel : 9
Internal Standard :
Order : 2nd Order
Weighting : Unity
Print Date : 9:34 AM Thursday March 14, 1996

Intercept : -1.32274E-01
Coefficient 2 : 5.67198E-01
Coefficient 3 : 7.87725E-05

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.7469		1.550	0.0243		Included
2	0.2400	-0.0357	114.8942	0.170	0.0029		Included
3	1.2000	0.9130	23.9201	1.842	0.0330		Included
4	6.0000	5.5405	7.6583	9.988	0.0269		Included
5	12.0000	11.8250	1.4580	21.020	0.0458		Included
6	60.0000	60.9265	-1.5441	106.087	1.6143		Included
7	150.0000	149.3359	0.4427	254.523	2.3478		Included
8	250.0000	250.1880	-0.0752	417.160	4.5398		Included

Correlation Coefficient : 9.9998091E-01
Root Mean Square : 4.1587573E+01
Standard Error of Estimate : 6.7715581E-01

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Law Environmental
Lab Code: Law-Pensacola
ICP ID Number: ARL3560
ICS Source: IOV E07WG

Contract: GE3913
SDG No.: 02B88173
Run Log No.: 158D-167
Date Analyzed: 3/14/96

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%Rec	Final Found Sol. A	Final Found Sol. AB	%Rec
Arsenic		1000		885	89		880	88
Barium		500		503	101		493	99
Cadmium		1000		854	85		873	87
Chromium		500		478	96		523	105
Lead		1000		937	94		945	95
Selenium		1000		921	92		936	94
Silver		1000		982	98		1006	101

BLANK

Lab Name: Law Environmental

Contract: GE3913

Lab Code: Law-P

SDG No: 02B88173

Preparation Blank Matrix (soil/water): Water

Run Log: 158D-167

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte		Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	4	C	Prepa-ration Blank	C
Arsenic	As	50	U	50	U	50	U	50	U			50	U
Barium	Ba	20	U	20	U	20	U	20	U			20	U
Cadmium	Cd	10	U	10	U	10	U	10	U			10	U
Chromium	Cr	50	U	50	U	50	U	50	U			50	U
Lead	Pb	120	U	120	U	120	U	120	U			120	U
Selenium	Se	500	U	500	U	500	U	500	U			500	U
Silver	Ag	50	U	50	U	50	U	50	U			50	U

U = compound analyzed for but not found above reporting limit

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Law Environmental

Contract GE3913

Lab Code: Law-P

SDG No 02B88173

Initial Calibration Source:

Run Log 158D-167

Continuing Calibration Source:

Concentration Units: ug/L

Analyte		Initial Calibration			Continuing Calibration									
		True	Found	%R(1)	True	Found	%R	Found	%R	Found	%R	Found	%R(1)	M
Barium	Ba	25000	24862	99	25000	22908	92	23350	93	23492	94			P
Arsenic	As	5000	4929	99	5000	4492	90	4547	91	4628	93			P
Cadmium	Cd	1000	960	96	1000	928	93	942	94	961	96			P
Chromium	Cr	1000	1028	103	1000	1026	103	1058	106	1085	109			P
Lead	Pb	12500	12080	97	12500	11737	94	12034	96	11852	95			P
Selenium	Se	5000	4920	98	5000	4717	94	4839	97	4818	96			P
Silver	Ag	1000	982	98	1000	950	95	984	98	999	100			P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Law Environmental
Lab Code: Law-Pensacola
ICP ID Number: ARL3560
ICS Source: IOV E07WG

Contract: GE3913
SDG No.: 02B88173
Run Log No.: 158D-165
Date Analyzed: 03/13/96

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%Rec	Final Found Sol. A	Final Found Sol. AB	%Rec
Aluminum	500000	500000		478913	96		481429	96
Barium		500		481	96		485	97
Beryllium		500		458	92		462	92
Cadmium		1000		900	90		911	91
Calcium	500000	500000		470303	94		472629	95
Chromium		500		465	93		478	96
Cobalt		500		463	93		470	94
Copper		500		477	95		485	97
Iron	200000	200000		186753	93		187660	94
Magnesium	500000	500000		478502	96		480911	96
Manganese		500		532	106		532	106
Nickel		1000		904	90		906	91
Silver		1000		1009	101		1015	102
Vanadium		500		510	102		513	103
Zinc		1000		912	91		917	92

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Law Environmental | Contract: GE3913

Lab Code: Law-P | SDG No: 02B88173

Initial Calibration Source: | RunLog No.: 158D-165

Continuing Calibration Source:

Concentration Units: ug/L

Analyte		Initial Calibration			Continuing Calibration									
		True	Found	%R(1)	True	Found	%R(1)	Found	%R(2)	Found	%R(3)	Found	%R(4)	M
Aluminum	Al	50000	49028	98	50000	48888	98	49456	99					P
Antimony	Sb	5000	4925	99	5000	4895	98	4927	101					P
Barium	Ba	25000	22731	91	25000	22632	91	22909	109					P
Beryllium	Be	625	607	97	625	602	96	610	102					P
Cadmium	Cd	1000	989	99	1000	980	98	989	101					P
Calcium	Ca	125000	120173	96	125000	119796	96	121125	103					P
Chromium	Cr	1000	975	98	1000	979	98	994	101					P
Cobalt	Co	5000	4864	97	5000	4839	97	4893	102					P
Copper	Cu	5000	4911	98	5000	4878	98	4912	102					P
Iron	Fe	50000	48781	98	50000	48453	97	49178	102					P
Magnesium	Mg	125000	122440	98	125000	121744	97	123072	102					P
Manganese	Mn	3750	3597	96	3750	3577	95	3628	103					P
Nickel	Ni	5000	4830	97	5000	4834	97	4851	103					P
Potassium	K	62500	63344	101	62500	63486	102	62583	100					P
Silver	Ag	1000	993	99	1000	992	99	1005	100					P
Sodium	Na	125000	123751	99	125000	123706	99	122664	102					P
Vanadium	V	5000	4927	98	5000	4906	98	4974	101					P
Zinc	Zn	3750	3554	95	3750	3546	95	3595	104					P

BLANK

Lab Name: Law Environmental

Contract: GE3913

Lab Code: Law-P

SDG No: 02B88173

Preparation Blank Matrix (soil/water): Water

Runlog No.: 158D-165

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte		Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	4	C	Prepa-ration Blank	C
Aluminum	Al	500	U	500	U	500	U					500	U
Antimony	Sb	250	U	250	U	250	U					250	U
Barium	Ba	20	U	20	U	20	U					20	U
Beryllium	Be	3	U	3	U	3	U					3	U
Cadmium	Cd	10	U	10	U	10	U					10	U
Calcium	Ca	100	U	100	U	100	U					100	U
Chromium	Cr	50	U	50	U	50	U					50	U
Cobalt	Co	50	U	50	U	50	U					50	U
Copper	Cu	50	U	50	U	50	U					50	U
Iron	Fe	50	U	50	U	50	U					50	U
Magnesium	Mg	250	U	250	U	250	U					250	U
Manganese	Mn	10	U	10	U	10	U					10	U
Nickel	Ni	50	U	50	U	50	U					50	U
Potassium	K	600	U	600	U	600	U					600	U
Silver	Ag	50	U	50	U	50	U					50	U
Sodium	Na	250	U	250	U	250	U					250	U
Vanadium	V	50	U	50	U	50	U					50	U
Zinc	Zn	10	U	10	U	10	U					10	U

U = compound analyzed for but not found above reporting limit

SDG No:	**02B88173**
Method No.:	**7000**

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site PJ B SDG No: 02B 88173 Date Received: 3/11/96

Sampling Site(s): 1 PJ B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	SO		1
02 D1	AA 88174	SO		1
03 D3	AA 88175	SO		1
04 D2	AA 88176	SO		1
05 F3	AA 88177	SO		1
06 C2	AA 88178	SO		1
07 B2	AA 88179	SO		1
08 F2	AA 88180	SO		1
09 F1	AA 88181	SO		1
10 F4	AA 88182	SO		1
11 B3	AA 88183	SO		1
12 E2	AA 88184	SO		1
13 E1	AA 88185	SO		1
14 ~~ICLPSB8026~~ ZHESB8026	AA 85982			
15 ICPSB0341	AA 85983			
16 ICPSL0341	AA 85984			
17 ESB0343	AA 85985			
18 ESL0343	AA 85986			
19 ICLPSB8029	AA 85987			
20 ICPWB0349	AA 85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96

Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	ICPWL0349	AA85989			
22	HGWB0542	AA86002			
23	HGWL0542	AA86003			
24	ZHESB8028	AA86013			
25	VWB0791T	AA86007			
26	VWL0791T	AA86008			
27	VWB0793T	AA86009			
28	VWL0793T	AA86010			
29	VSB0793	AA86014			
30	VSL0793	AA86015			
31	SWB8034	AA86016			
32	SWL8034	AA86017			
33	B1 MS	AA86019			
34	B1 MSD	AA86020			
35	BC2 MS	AA86029			
36	C2 MSD	AA86030			
37	D1 MS	AA86035			
38	D1 MSD	AA86036			
39	VSB0791	AA86023			
40	VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96

Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGSB0541	AA85972
01B88124	HGSL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total

F2	AA88180	10X	Fe
E1	AA88185	10X	Fe

7000 - Total Lead

B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume	except *
D1	AA88174	10X	
D3	AA88175	10X	
D2	AA88176	10X	
F3	AA88177	10X	
C2	AA88178	10X and 5mL end volume	except *
C2MS	AA86029	10X and 5mL end volume	except *
C2MSD	AA86030	10X and 5mL end volume	except *
B2	AA88179	10X	

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol

C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LENL-Pensacola, FL

DV:031894

Information Only _____ Deficient Incident ✓

Section: Metals

Analyst: [illegible] Date: 3/14/96 Supervisor: [illegible] Date 3/14/96.

Description

MS/MSD recoveries are out of control for Se and Pb.

	MS	MSD	RPD	Spike "A"	LCS
Pb	NR*	NR*	—	92%	106%
Se	72%	75%	4%	82%	102%

* no recovery

SDG/Samples Affected

Baily soils SDG: 02B88173

RL# 24D-260, 261, 263

Resolution

The background absorbance at the Se wavelength for the neat sample is high, indicating matrix interference. The Se post-digestion spike is low. The LCS is in control.

The concentration of Pb in the neat sample is approximately 13 times greater than the matrix spike added. The post-digestion spike and LCS are in control.

Submit data as is.

Report

SDG/Samples: ~~Bailey~~ Bailey soils, SDG:02888173

Follow up

Post-digestion spikes meet acceptance criteria.

LCS is in-control for both analytes

Review

Review of data shows all lab protocols were followed. The LCS is in control. The post-digestion spikes were high enough not to warrant MSA. Please report data.

Approvals

Laboratory Manager

QA/QC Officer

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	18:32	MC
Arsenic	SW7060	0.670	2.32	03/13/96	18:32	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/13/96	22:10	MC
Lead	SW7421	3.35	90.2	03/13/96	22:10	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	10:31	MC
Selenium	SW7740	0.670	0.212 J	03/13/96	10:31	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	15:32	MC
Thallium	SW7841	0.268	0.269	03/13/96	15:32	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

Station ID: D2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	19:21	MC
Arsenic	SW7060	1.30	5.33	03/13/96	19:21	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/14/96	11:46	MC
Lead	SW7421	13.0	208	03/14/96	11:46	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	11:16	MC
Selenium	SW7740	1.30	0.274 J	03/13/96	11:16	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	16:16	MC
Thallium	SW7841	0.522	0.352 J	03/13/96	16:16	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	19:31	MC
Arsenic	SW7060	0.640	1.21	03/13/96	19:31	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/14/96	11:57	MC
Lead	SW7421	3.20	25.3	03/14/96	11:57	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	11:26	MC
Selenium	SW7740	0.640	Not Det	03/13/96	11:26	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	16:26	MC
Thallium	SW7841	0.256	Not Det	03/13/96	16:26	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/14/96	10:02	MC
Arsenic	SW7060	4.88	22.9	03/14/96	10:02	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/14/96	12:13	MC
Lead	SW7421	97.5	832	03/14/96	12:13	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	11:37	MC
Selenium	SW7740	0.975	0.521 J	03/13/96	11:37	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	16:36	MC
Thallium	SW7841	0.390	0.234 J	03/13/96	16:36	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	20:04	MC
Arsenic	SW7060	1.32	7.02	03/13/96	20:04	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/14/96	12:24	MC
Lead	SW7421	26.3	208	03/14/96	12:24	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	12:01	MC
Selenium	SW7740	1.32	Not Det	03/13/96	12:01	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	17:01	MC
Thallium	SW7841	0.526	0.347 J	03/13/96	17:01	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86019

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	19:01	MC
Arsenic	SW7060	0.660	8.35	03/13/96	19:01	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/13/96	22:42	MC
Lead	SW7421	3.30	89.8	03/13/96	22:42	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	11:01	MC
Selenium	SW7740	0.660	4.95	03/13/96	11:01	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	16:01	MC
Thallium	SW7841	0.264	6.77	03/13/96	16:01	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86020

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	19:11	MC
Arsenic	SW7060	0.690	8.37	03/13/96	19:11	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/13/96	22:53	MC
Lead	SW7421	3.45	68.6	03/13/96	22:53	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	11:06	MC
Selenium	SW7740	0.690	5.42	03/13/96	11:06	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	16:06	MC
Thallium	SW7841	0.276	8.34	03/13/96	16:06	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: FSB0343

BAILEY PROJECT GE3913

Lab ID: AA85985

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Date Sampled: 03/12/96

Time Sampled: 10:00

Log In Date: 03/12/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/14/96	09:52	MC
Arsenic	SW7060	0.500	Not Det	03/14/96	09:52	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/13/96	21:31	MC
Lead	SW7421	0.500	Not Det	03/13/96	21:31	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	10:11	MC
Selenium	SW7740	0.500	Not Det	03/13/96	10:11	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	15:12	MC
Thallium	SW7841	0.200	Not Det	03/13/96	15:12	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : FSB0343

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/12/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
FSB0343	AA85985	3/12/96	SQ	LB
FSL0343	AA85986	3/12/96	SQ	BS
B1 MS	AA86019	3/7/96	SQ	MS
B1 MSD	AA86020	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW7060
initial
Extraction : SW3050
Matrix : SQ
Units : mg/Kg
Neat Sample : AA88173

MS Sample Name : B1 MS
MS LIMS ID : AA86019
MS Extraction : 3/12/96
MS Extraction : 10:00
MS Analysis : 3/13/96
MS Analysis : 19:01

MSD Sample Name : B1 MSD
MSD LIMS ID : AA86020
MSD Extraction : 3/12/96
MSD Extraction : 10:00
MSD Analysis : 3/13/96
MSD Analysis : 19:11

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Arsenic	2.32	6.588	8.35	92		6.887	8.37	88		4		75	125	20	PR

MSD : SW7421
initial
Extraction : SW3050
Matrix : SQ
Units : mg/Kg
Neat Sample : AA88173

MS Sample Name : B1 MS
MS LIMS ID : AA86019
MS Extraction : 3/12/96
MS Extraction : 10:00
MS Analysis : 3/13/96
MS Analysis : 22:42

MSD Sample Name : B1 MSD
MSD LIMS ID : AA86020
MSD Extraction : 3/12/96
MSD Extraction : 10:00
MSD Analysis : 3/13/96
MSD Analysis : 22:53

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Lead	90.2	6.588	89.8	-6	*	6.887	68.6	-314	*	192	*	75	125	20	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

MSD : SW7740 | MS Sample Name : B1 MS | MSD Sample Name : B1 MSD
initial | MS LIMS ID : AA86019 | MSD LIMS ID : AA86020
Extraction : SW3050 | MS Extraction : 3/12/96 | MSD Extraction : 3/12/96
Matrix : SQ | MS Extraction : 10:00 | MSD Extraction : 10:00
Units : mg/Kg | MS Analysis : 3/13/96 | MSD Analysis : 3/13/96
Neat Sample : AA88173 | MS Analysis : 11:01 | MSD Analysis : 11:06

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Selenium	0.212	6.588	4.95	72	*	6.887	5.42	76		5		75	125	20	PR

MSD : SW7841 | MS Sample Name : B1 MS | MSD Sample Name : B1 MSD
initial | MS LIMS ID : AA86019 | MSD LIMS ID : AA86020
Extraction : SW3050 | MS Extraction : 3/12/96 | MSD Extraction : 3/12/96
Matrix : SQ | MS Extraction : 10:00 | MSD Extraction : 10:00
Units : mg/Kg | MS Analysis : 3/13/96 | MSD Analysis : 3/13/96
Neat Sample : AA88173 | MS Analysis : 16:01 | MSD Analysis : 16:06

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Thallium	0.269	6.588	6.77	99		6.887	8.34	117		17		75	125	20	PR

LCS : SW7060 | Sample Name : FSL0343
initial | LIMS Sample ID : AA85986
Extraction Method : SW3050 | Date of Extraction : 3/12/96
Matrix : SQ | Time of Extraction : 10:00
Units : mg/Kg | Date of Analysis : 3/13/96
Time of Analysis : 18:18

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Arsenic	5	5.37	107		80	120	PR

LCS : SW7421 | Sample Name : FSL0343
initial | LIMS Sample ID : AA85986
Extraction Method : SW3050 | Date of Extraction : 3/12/96
Matrix : SQ | Time of Extraction : 10:00
Units : mg/Kg | Date of Analysis : 3/13/96
Time of Analysis : 21:37

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Lead	5	5.28	106		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW7740
Initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0343
LIMS Sample ID : AA85986
Date of Extraction : 3/12/96
Time of Extraction : 10:00
Date of Analysis : 3/13/96
Time of Analysis : 10:21

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Selenium	5	5.12	102		80	120	PR

LCS : SW7841
Initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0343
LIMS Sample ID : AA85986
Date of Extraction : 3/12/96
Time of Extraction : 10:00
Date of Analysis : 3/13/96
Time of Analysis : 15:17

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Thallium	5	5.36	107		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

Station ID: FSL0343

BAILEY PROJECT GE3913

Lab ID: AA85986

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Date Sampled: 03/12/96

Time Sampled: 10:00

Log In Date: 03/12/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/12/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	18:18	MC
Arsenic	SW7060	0.500	5.37	03/13/96	18:18	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/13/96	21:37	MC
Lead	SW7421	0.500	5.28	03/13/96	21:37	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	10:21	MC
Selenium	SW7740	0.500	5.12	03/13/96	10:21	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	15:17	MC
Thallium	SW7841	0.200	5.36	03/13/96	15:17	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

000126

Client: Bailey site A+B

Case: GE 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01,04,06,08,13	S	SC	9200	SR	3/11/96	1400	SC	3/11/96	1500	S-Y
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-13	S	DRT		SR	3-12-96	1330	[illegible]	3-12-96	1330	S-N
[illegible]	S	JKG	9010	SR	3/13/96	[illegible]	SR	3/13/96	1200	TJ
01-13	S	JJB	9065	[illegible]	3/13/96	0830	SR	3/13/96	0845	S-Y
01,04,06,08,13	S	CMT	7471A	SR	3-12-96	0800	SR	3-12-96	1200	Y-S
01-13	X	CMT	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bailey

Case: GE-3913

Form Initiated 03/11/96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=no
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-05	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-05	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-05	D	[illegible]	7000 FUR	Ipnp	3-13-96	0900	Ipnp	3-13-96	[illegible]	Y-D
1-5	D	CLP	[illegible]	IPNP	3-13-96	0915	IPNP	3-13-96	[illegible]	Y-D

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11:
02: AA88176	12:
03: AA88178	13:
04: AA88180	14:
05: AA88185	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL #52D-343
Client: Bailey
Case: 6E-3913
SDG: C2B88173
DV:030994
Page 1 of 1
Method Ref.: 3050A
Fraction: FLR
QC: MH
Date 3/12/96
Tech: JDE
Balance:Syst.ID: BAL 002
CMR Ref.: 72C 083
LCS Ref.: 44H 65
Reagents Ref.: 53B-168 53B-649E 53B-665B
MSS Ref.: 44H 65

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF →	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments SCF
1	Prep Blk						0.1		Co	Co	C	C			AA85985
2	LCS								Co	Co	C	C			AA85986
3	AA88173	B1	na	LS	Y	1.36			Bk	Y	Cd	Cd	M	nF	0.134
4	AA88173ms	B1				1.38			Bk	Y	Cd	Cd	M	nF	0.132 AA86019
5	AA88173msd	B1				1.32			Bk	Y	Cd	Cd	M	nF	0.138 AA86020
6	AA88176	D2				1.42			Bk	Y	Cd	Cd	M	R V	0.261
7	AA88178	C2				1.39			Bk	Y	Cd	Cd	M	R	0.128
8	AA88180	F2				1.35			Bk	Y	Cd	Cd	M	V	0.195
9	AA88185	E1				1.36			Bk	Y	Cd	Cd	M	V	0.263
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

R = Rocks
V = Vegetation

LENL-Pensacola, FL

DV:030994

RL # 240 - 261

Page 1 of 2

Client: Bailey

SDG # 02B88173, 01B88124

Analyte(s): As

Method Ref: 7060

System ID: GF-001

Program: AS

Results File ID: TAP88173

Calibration Data

C / M / R Ref: 24D -

ICV Stds. Ref: 1660-68

Cal. Stds. Ref: 1660-69

MSA Stds. Ref: N/A

"A" Spike Ref: 1660-82

Date 3 / 13 / 96 Analyst: _____ 3-14-96

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 4		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	omit re-shot on RL #262
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	AA88173	B1	S	0.134	1	SR=2.31954
14	AA88173A	↓	S	0.134	1	
15	AA88173L	↓	S	0.134	5	
16	AA88173LA	↓	S	0.134	5	
17	~~BLANK~~		~~X~~	~~X~~	~~X~~	
18	CCV		X	X	X	
19	CCB		X	X	X	
20	AA88173MS	B1	S	0.130	1	SA=6.60 SSR=8.35164 %R=91%
21	~~AA88173MSD~~	↓	~~S~~	~~0.138~~	~~1~~	OMIT RSD > 20
22	AA88173MSD	↓	S	0.138	1	SA=6.90 SSR=8.37384 %R=88%
23	AA88176	D2	S	0.261	1	
24	AA88176A	↓	S	0.261	1	
25	AA88178	C2	S	0.128	1	
26	AA88178A	↓	S	0.128	1	
27	AA88180	F2	S	0.195	1	
28	AA88180A	↓	S	0.195	1	
29	~~BLANK~~		~~X~~	~~X~~	~~X~~	
30	CCV		X	X	X	

RL24D-261 000130

LENL-Pensacola, FL

DV:030994

RL # 240-261

Client: Bailey

SDG: 02B88173, 01B88124

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	CCB		X	X	X	
✓ 32	AA88185	E1	S	0.263	1	
33	AA88185A	↓	S	0.263	1	
34	~~AA88129~~	~~A3~~	~~S~~	~~0.0986~~	~~1~~	OMIT RSD > 20
35	AA88129	↓	S	0.0986	1	
36	AA88129A	↓	S	0.0986	1	
37	~~BLANK~~		~~X~~	~~X~~	~~X~~	
38	CCV		X	X	X	
39	CCB		X	X	X	
40						
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42						
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59						
60						

Seq	Comments

RL240-261

DV:030996 00013

LENL-Pensacola, FL

RL # 240-261

Page 1 of 2

Client: Bailey, England

SDG # 02B88173, 01B88124, 03E88072

Analyte(s): Pb

Method Ref: 7421

System ID: GF-001

Program: Pb

Results File ID: IAD88173

Calibration Data

C / M / R Ref: 240-261

ICV Stds. Ref: 1660-68

Cal. Stds. Ref: 1660-69

MSA Stds. Ref: N/A

"A" Spike Ref: 1660-82

Date 3/13/96 Analyst: [signature] 3-14-96

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 3		X	X	X	
3	Cal. Std S 45		X	X	X	
4	Cal. Std S 90		X	X	X	
5	Cal. Std S 150		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	~~LCS343~~		~~S~~	~~0.100~~	~~1~~	Not in sequence
14	~~LCS343A~~		~~S~~		~~1~~	
15	AA88173	B1	S	0.134	1	
16	AA88173	↓	S	↓	5	
17	AA88173A	↓	S	↓	5	
18	AA88173L	↓	S	↓	5	SR = 90.1552
19	AA88173LA	↓	S	↓	5	
20	Blank		X	X	X	Omit
21	CCV		X	X	X	
22	CCB		X	X	X	
23	AA88173MS	B1	S	0.132	1	Omit
24	AA88173MS	↓	S	↓	1	
25	AA88173MS	↓	S	↓	5	SA = 6.6 SSR = 89.8062 R = NR
26	AA88173MSD	↓	S	0.138	1	
27	AA88173MSD	↓	S	↓	5	SA = 6.9 SSR = 68.5584 R = NR
28	AA88176	D2	S	0.261	1	
29	AA88176	↓	S	↓	5	
30	AA88176A	↓	S	↓	5	

RL 24D-261

LENL-Pensacola, FL

DV:030994 000132

RL # 24D-261

Page 2 of 2

Client: Bailey, England

SDG: 02B88173, 01B88124, 03E88072

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	Blank		X	X	X	Omit
32	CCV		X	X	X	
33	CCB		X	X	X	
✓ 34	AA88178	C2	S	0.128	1	
35	AA88178A	↓	S	↓	1	
✓ 36	AA88180	F2	S	0.195	1	
37	AA88180	↓	S	↓	5	
38	AA88180A	↓	S	↓	5	
✓ 39	AA88185	E1	S	0.263	1	
40	AA88185	↓	S	↓	5	
41	AA88185A	↓	S	↓	5	
42	Blank		X	X	X	
43	CCV		X	X	X	
44	CCB		X	X	X	
45	AA88129	A3	S	0.0986	1	
46	AA88129	↓	S	↓	5	
47	AA88129A	↓	S	↓	5	
48	AA88072AS	I0329L001CR 103SRS	S	0.0869	5	England SA=4.345 SSR=15602 895 R=1 RPD=25
49	Blank		X	X	X	Omit
50	CCV		X	X	X	
51	CCB		X	X	X	
52						
53						
54						
55						
56						
57						
58						
59						
60						

Seq	Comments

LENL-Pensacola, FL

RL # 24D-261

Client: Bailey

Analyte(s): Tl

System ID: GF-001 Program: Tl

Calibration Data

C / M / R Ref: 24D-261

Cal. Stds. Ref: 1660-69

"A" Spike Ref: 1660-82

Date 3 / 13 / 96 Analyst: [signature] 3-14-96

RL 24D-261

DV:030996 00133

Page 1 of 2

SDG # 02B88173, 01B88124

Method Ref: 7841

Results File ID: TAP88173

ICV Stds. Ref: 1660-68

MSA Stds. Ref: N/A

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 2		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	AA88173	B1	S	0.134	1	SR=0.26934
14	AA88173A	↓	S	0.134	1	
15	AA88173L		S	0.134	5	
16	AA88173LA	↓	S	0.134	5	
17	~~Blank~~		X	X	X	
18	CCV		X	X	X	
19	CCB		X	X	X	
20	AA88173MS	B1	S	0.132	1	SA=6.60 SSR=6.76764 %R=98%
21	AA88173MSD	↓	S	0.138	1	SA=6.90 SSR=8.33658 %R=117%
22	AA88176	D2	S	0.261	1	
23	AA88176A	↓	S	0.261	1	
24	AA88178	C2	S	0.128	1	
25	AA88178A	↓	S	0.128	1	
26	AA88180	F2	S	0.195	1	
27	AA88180A	↓	S	0.195	1	
28	~~Blank~~		X	X	X	
29	CCV		X	X	X	
30	CCB		X	X	X	

RL 24D-261

DV:030994 CC134

LENL-Pensacola, FL

RL # 24D-261

Page 2 of 2

Client: Bailey

SDG: 02B88173, 01B88124

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	AA88185	E1	S	0.263	1	
32	AA88185A	↓	S	0.263	1	
33	AA88129	A3	S	0.0986	1	
34	AA88129A	↓	S	0.0986	1	
35	~~BLANK~~		X	X	X	
36	CCV		X	X	X	
37	CCB		X	X	X	
38						
39						
40						
41						
42						
43						
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60						

Seq	Comments

RL24D-261 00013

24D-261

Report Of Analytical Results
March 14, 1996

Data File: TAP88173.DAT
Data Collected: 03/13/96 At: 14:26:38 By: JAN MACAULEY

	Tl ug/L	As ug/L	As ug/L	Pb ug/L	Pb ug/L
Standard 1	2.00	----	4.00	----	3.00
Standard 2	30.00	----	30.00	----	45.00
Standard 3	60.00	----	60.00	----	90.00
Standard 4	100.00	----	100.00	----	150.00
BLANK	----	----	----	----	----
Blank	0.00%.R	Time	0.00%.R	Time	0.00%.R
ICV	52.20104%.	1453	53.40107%.	1754	75.18100%.
ICB	0.01	1457	-0.09	1759	0.05
PQL	2.01100%.	1502	3.9599%.	1803	3.09103%
PB343	0.28110%.	1512	~~0.25~~120%. will reshot	1813	0.75115%
LCS343	53.55107%.	1517	53.71107%.	1818	52.84106%
AA88173	2.01118%.w"	1532	17.3197%.	1832	506.76-over-ca
AA88173L	0.49110%.	1542	4.64104%.	1842	134.56 92%
~~BLANK~~	~~0.31~~	1547	~~0.83~~	1847	~~0.17~~
CCV	52.17104%.	1552	51.55103%.	1852	76.65100%.
CCB	0.14	1556	-0.09	1856	0.08
AA88173MS	51.27 98%.2 RPD=18%.	1601	63.2791%.	1901	~~441.42~~-RSD>20
AA88173MSD	60.41117%.	1606	~~52.30~~RSD>20	1906	399.57-over-c
AA88176	1.35103%.	1616	20.42105%.	1921	----
AA88178	0.89121%."w"	1626	9.4791%.	1931	----
AA88180	1.20 95%.	1636	105.67-over-cal	1940	----
~~BLANK~~	~~-0.06~~	1641	~~0.23~~	1945	----
CCV	53.26106%.	1646	53.08106%.	1950	----
CCB	0.41	1651	-0.11	1954	----
AA88185	1.32111%.	1701	26.7197%.	2004	----
AA88129	0.65124%."w"	1710	~~9.88~~RSD>20	2009	----
~~BLANK~~	~~0.20~~	1715	~~0.13~~	2023	----
CCV	52.88106%.	1720	52.08104%.	2028	----
CCB	0.17	1725	0.08	2032	----
AA88173MSD5X	----	----	60.68 80% RPD=3%.	1911	496.8
AA88129	----	----	12.0694%	2019	228.34-over-ca
AA88173 5X	----	----	----	----	refer to serial dil. - 588.2 121%
AA88173MS	----	----	----	----	~~445.82~~RSD>20
AA88173MS5X	----	----	----	----	680.4
AA88176	----	----	----	----	367.16-over-ca
AA88176 5X	----	----	----	----	815.4-over-a
~~BLANK~~	----	----	----	----	~~-0.01~~
CCV	----	----	----	----	76.01 101%.
CCB	----	----	----	----	-0.09
AA88178	----	----	----	----	166.91-over-cal
AA88180	----	----	----	----	686.16-over-cal
AA88180 5X	----	----	----	----	2029.0-over-cal
AA88185	----	----	----	----	388.04-over-cal
AA88185 5X	----	----	----	----	822.3-over-ca
~~BLANK~~	----	----	----	----	~~0.03~~
CCV	----	----	----	----	78.25104%.
CCB	----	----	----	----	-0.03
AA88129	----	----	----	----	244.31 11%.
AA88072MS 5X	----	----	----	----	35.91
~~BLANK~~	----	----	----	----	~~-0.08~~
CCV	----	----	----	----	79.14 106%.
CCB	----	----	----	----	-0.19

3-14-96

RL 24D-262 DV:030994 00013

LENL-Pensacola, FL

RL # 24D-262 Page 1 of 1

Client: Bailey SDG # 02B88173

Analyte(s): As Method Ref: 7060

System ID: GF-001 Program: As Results File ID: AS88173B

Calibration Data

C / M / R Ref: 24D-262 ICV Stds. Ref: 166D-68

Cal. Stds. Ref: 166D-69 MSA Stds. Ref: N/A

"A" Spike Ref: 166D-82

Date 3 / 14 / 96 Analyst: [signature]

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 4		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
✓ 9	PB343		S	0.100	1	
10	PB343A		S	0.100	1	
✓ 11	A A88180	F2	S	0.195	5	
12	A A88180 A	↓	S	0.195	5	
13	Blank		X	X	X	Omit
14	CCV		X	X	X	
15	CCB		X	X	X	
16						
17						
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30						

HL24D-262

CC013

24D-262

Report Of Analytical Results
March 14, 1996

Data File: AS88173B.DAT
Data Collected: 03/14/96 At: 09:03:35 By: MARIA CORTEZ

	As ug/L		
Standard 1	4.00		
Standard 2	30.00	CC=0.999	
Standard 3	60.00		
Standard 4	100.00		
BLANK	----		
Blank	0.00	% R	Time
ICV	53.37	107%	0933
ICB	0.03		0938
PQL	4.19	105%	0943
PB343	-0.42	111%	0952
AA88180 5X	23.50	103%	1002
~~BLANK~~	~~0.38~~	Omit	
CCV	54.24	108%	1011
CCB	0.06		1016

Analyst: _____ Supervisor: _____

RL 24D-263

LENL-Pensacola, FL

DV:030996 00138

RL # 24D-263

Page 1 of 1

Client: Bailey

SDG # 02B88173

Analyte(s): Pb

Method Ref: 7421

System ID: GF-001

Program: Pb

Results File ID: PB88173B

Calibration Data

C / M / R Ref: 24D-263

ICV Stds. Ref: 166D-68

Cal. Stds. Ref: 166D-69

MSA Stds. Ref: N/A

"A" Spike Ref: 166D-82

Date 3 / 14 / 96 Analyst: [signature]

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 3		X	X	X	
3	Cal. Std S 45		X	X	X	
4	Cal. Std S 90		X	X	X	
5	Cal. Std S 150		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
✓ 9	AA88176	D2	S	0.261	10	
10	AA88176A	↓	S	↓	10	
✓ 11	AA88178	C2	S	0.128	5	
12	AA88178A	↓	S	↓	5	
✓ 13	AA88180	F2	S	0.195	20	
14	AA88180	↓	S	↓	100	
15	AA88180A	↓	S	↓	100	
✓ 16	AA88185	E1	S	0.263	20	
17	AA88185A	↓	S	↓	20	
18	CCV		X	X	X	
19	CCB		X	X	X	
20						
21						
22						
23						
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25						
26						
27						
28						
29						
30						

RL94D-263

000139

24D-263

Report Of Analytical Results
March 14, 1996

Data File: PB88173B.DAT
Data Collected: 03/14/96 At: 10:54:41 By: MARIA CORTEZ

	Pb ug/L		
Standard 1	3.00	CC=0.999	
Standard 2	45.00		
Standard 3	90.00		
Standard 4	150.00		
BLANK	----		
Blank	0.00	%R	Time
ICV	75.89	101%	1124
ICB	-0.45		1130
PQL	2.91	97%	1135
AA88176 10X	79.57	111%	1146
AA88178 5X	39.48	97%	1157
AA88180 20X	199.78		
AA88180 20X (5x)	213.2	102%	1213
AA88185 20X	39.56	107%	1224
CCV	77.52	103%	1229
CCB	-0.21		1235

Analyst: _____ Supervisor: _____

RL 24D-260

LENL-Pensacola, FL

DV:030994

RL # 24D-260

Client: Bailey

SDG # 02B88173, 01B88124

Analyte(s): Se

Method Ref: 7740

System ID: GF-001

Program: Se

Results File ID: SE88173A

Calibration Data

C / M / R Ref: 24D-260

ICV Stds. Ref: 166D-68

Cal. Stds. Ref: 166D-69

MSA Stds. Ref: N/A

"A" Spike Ref: 166D-82

Date 3 / 13 / 96

Analyst: [signature]

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std S 4		X	X	X	
	3	Cal. Std S 30		X	X	X	
	4	Cal. Std S 60		X	X	X	
	5	Cal. Std S 100		X	X	X	
	6	ICV		X	X	X	
	7	ICB		X	X	X	
	8	CRA/PWL		X	X	X	
✓	9	PB343		S	0.100	1	
	10	PB343A		S	0.100	1	
✓	11	LCS343		S	0.100	1	
	12	LCS343A		S	0.100	1	
✓	13	AA88173	B1	S	0.134	1	SR=0.21172
	14	AA88173A	↓	S	0.134	1	
	15	AA88173L	↓	S	0.134	5	
	16	AA88173LA	↓	S	0.134	5	
	17	~~Blank~~		X	X	X	
	18	CCV		X	X	X	
	19	CCB		X	X	X	
✓	20	AA88173MS	B1	S	0.132	1	SA=6.60 SSR=4.94736 %R=72%
✓	21	AA88173MSD	↓	S	0.138	1	SA=6.90 SSR=5.41788 %R=75%
✓	22	AA88176	D2	S	0.261	1	
	23	AA88176A	↓	S	0.261	1	
✓	24	AA88178	C2	S	0.128	1	
	25	AA88178A	↓	S	0.128	1	
✓	26	AA88180	F2	S	0.195	1	
	27	AA88180A	↓	S	0.195	1	
	28	~~Blank~~		X	X	X	
	29	CCV		X	X	X	
	30	CCB		X	X	X	

RL 240-260 0142

240-260

Report Of Analytical Results
March 13, 1996

Data File: SE88173A.DAT
Data Collected: 03/13/96 At: 09:24:56 By: MARIA CORTEZ

	Se ug/L		Time
Standard 1	4.00		
Standard 2	30.00	CC=0.999	
Standard 3	60.00		
Standard 4	100.00		
BLANK	----		
Blank	0.00	%R	Time
ICV	50.59	101%	0952
ICB	0.28		0957
PQL	3.96	99%	1001
PB343	-0.18	107%	1011
LCS343	51.24	102%	1021
AA88173	1.58	82% "W"	1031
AA88173L	0.34	106%	1041
~~BLANK~~	~~0.12~~		
CCV	49.83	100%	1051
CCB	0.20		1056
AA88173MS	37.48	72% RPD=4%	1101
AA88173MSD	39.26	75%	1106
AA88176	1.05	80% "W"	1116
AA88178	0.83	80% "W"	1126
AA88180	2.67	94%	1137
~~BLANK~~	~~0.34~~		
CCV	50.78	101%	1146
CCB	0.30		1151
AA88185	0.67	51% "W"	1201
AA88129	0.37	79% "W"	1211
~~BLANK~~	~~0.18~~		
CCV	48.27	97%	1221
CCB	0.29		1225

Analyst: _____ Supervisor: _____

SDG No: 02B88173

Method No.: HG

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site PZ B SDG No: 02B 88173 Date Received: 3/11/96

Sampling Site(s): 1 PZ B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	SO		1
02 D1	AA 88174	SO		1
03 D3	AA 88175	SO		1
04 D2	AA 88176	SO		1
05 F3	AA 88177	SO		1
06 C2	AA 88178	SO		1
07 B2	AA 88179	SO		1
08 F2	AA 88180	SO		1
09 F1	AA 88181	SO		1
10 F4	AA 88182	SO		1
11 B3	AA 88183	SO		1
12 E2	AA 88184	SO		1
13 E1	AA 88185	SO		1
14 ZHES88026 ~~ICLPSB8026~~	AA85982			
15 ICPSB0341	AA85983			
16 ICPSL0341	AA85984			
17 ESB0343	AA85985			
18 ESL0343	AA85986			
19 ICLPSB8029	AA85987			
20 ICPWB0349	AA85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-94
Sampling Site(s): 1 2 3

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 ICPWL0349	AA85989			
22 HGWB0542	AA86002			
23 HGWL0542	AA86003			
24 ZHESB8028	AA86013			
25 VWB0791T	AA86007			
26 VWL0791T	AA86008			
27 VWB0793T	AA86009			
28 VWL0793T	AA86010			
29 VSB0793	AA86014			
30 VSL0793	AA86015			
31 SWB8034	AA86016			
32 SWL8034	AA86017			
33 B1 MS	AA86019			
34 B1 MSD	AA86020			
35 BC2 MS	AA86029			
36 C2 MSD	AA86030			
37 D1 MS	AA86035			
38 D1 MSD	AA86036			
39 VSB0791	AA86023			
40 VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGWB0541	AA85972
01B88124	HGWL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total

F2	AA88180	10X	Fe
E1	AA88185	10X	Fe

7000 - Total Lead

B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume	except *
D1	AA88174	10X	
D3	AA88175	10X	
D2	AA88176	10X	
F3	AA88177	10X	
C2	AA88178	10X and 5mL end volume	except *
C2MS	AA86029	10X and 5mL end volume	except *
C2MSD	AA86030	10X and 5mL end volume	except *
B2	AA88179	10X	

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol

C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:22	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:05	CT
Mercury	SW7471	0.355	Not Det	03/13/96	10:05	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:24	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:30	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:11	CT
Mercury	SW7471	0.740	Not Det	03/13/96	10:11	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:32	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:34	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:13	CT
Mercury	SW7471	0.368	Not Det	03/13/96	10:13	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:40	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Station ID: B2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:42	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:15	CT
Mercury	SW7471	0.508	Not Det	03/13/96	10:15	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:44	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: F1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:46	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:48	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:50	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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--- Project Information ---

Station ID: E2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:52	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:17	CT
Mercury	SW7471	0.758	Not Det	03/13/96	10:17	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:54	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86029

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:07	CT
Mercury	SW7471	0.364	0.736	03/13/96	10:07	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: C2 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86030

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:09	CT
Mercury	SW7471	0.408	0.805	03/13/96	10:09	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86035

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	1.04	03/14/96	10:26	CT

Remarks:

Signed: _____

James N.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D1 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86036

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	1.04	03/14/96	10:28	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

— Project Information —

Station ID: HGWB0542

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA86002

Collector:

Date Sampled: 03/14/96

Time Sampled: 10:16

Log In Date: 03/14/96

Log In Time: 10:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:16	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: HGSB0541

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85972

Collector:

Date Sampled: 03/13/96

Time Sampled: 10:01

Log In Date: 03/13/96

Log In Time: 10:01

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:01	CT
Mercury	SW7471	0.203	Not Det	03/13/96	10:01	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: TCLPSB8029

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85987

Collector:

Date Sampled: 03/12/96

Time Sampled: 16:00

Log In Date: 03/12/96

Log In Time: 16:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/14/96	10:20	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : TCLPSB8029

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 03/12/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : HGWB0542

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/14/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8029	AA85987	3/12/96	SQ	LB
HGWB0542	AA86002	3/14/96	WQ	LB
HGWL0542	AA86003	3/14/96	WQ	BS
D1 MS	AA86035	3/7/96	SQ	MS
D1 MSD	AA86036	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

LCS : SW7470
initial
Extraction Method : NONE
Matrix : WQ
Units : ug/L

Sample Name : HGWL0542
LIMS Sample ID : AA86003
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/14/96
Time of Analysis : 10:18

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7470 Mercury TCLP ug/L	1	1.02	102		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : HGSB0541

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 01B88124 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
HGSB0541	AA85972	3/13/96	SQ	LB
HGSL0541	AA85973	3/13/96	SQ	BS
C2 MS	AA86029	3/7/96	SQ	MS
C2 MSD	AA86030	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW7471
initial
Extraction : NONE
Matrix : SQ
Units : mg/Kg
Neat Sample : AA88178

MS Sample Name : C2 MS
MS LIMS ID : AA86029
MS Extraction :
MS Extraction :
MS Analysis : 3/13/96
MS Analysis : 10:07

MSD Sample Name : C2 MSD
MSD LIMS ID : AA86030
MSD Extraction :
MSD Extraction :
MSD Analysis : 3/13/96
MSD Analysis : 10:09

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Mercury	0	0.741	0.736	99		0.83	0.805	97		2		75	125	20	PR

LCS : SW7471
initial
Extraction Method : NONE
Matrix : SQ
Units : mg/Kg

Sample Name : HGSL0541
LIMS Sample ID : AA85973
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/13/96
Time of Analysis : 10:03

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Mercury	0.419	0.413	99		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/21/96

Page 1

--- Project Information ---

Station ID: HGSL0541

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85973

Collector:

Date Sampled: 03/13/96

Time Sampled: 10:03

Log In Date: 03/13/96

Log In Time: 10:03

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:03	CT
Mercury	SW7471	0.209	0.413	03/13/96	10:03	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGWL0542

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86003

Collector:

Date Sampled: 03/14/96

Time Sampled: 10:18

Log In Date: 03/14/96

Log In Time: 10:18

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	1.02	03/14/96	10:18	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bailey site R+B

Case: GF 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01,04,06,08,13	S	SC	9200	SR	3/11/96	1900	SR	3/11/96	1500	S-Y
[illegible]	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-13	S	DRT		SR	3-12-96	1330	D Prep	3-12-96	1330	S N
[illegible]	S	JCG	9010	SR	3/13/96	0900	SR	3/13/96	1200	TS
01-13	S	FDB	9065	SR	3/13/96	0830	SR	3/13/96	0945	S-Y
01,04,06,08	S	GM	7471A	SR	3-12-96	0800	SR	3-12-96	1200	Y-S
01-13	X	GM	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

RL06B-541 000183

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL DV:030994

RL # 06B-541 Page 1 of 1

Client: BAILEY; IBM SDG: 01B88124; 02B88123

Method Ref: 7471A/245.5 QC: N/A Syst. ID AAS-001 C/M/R

Reagents Ref: SSA-45-10; SSA-45-3 Stds. Ref: 1660-73; 1660-76

Calib. Curve Data: Slope: 0.8437 Intercept: -0.0073 Corr. Coeff. 0.9998

Prep: Date 3/12/96 Tech: [illegible]

Analysis: Date 3/13/96 Time: 0945 Tech: [illegible] 3-13-96

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	.003	0945	X	X	
2	Std 0.05 ug		X	X	X	X	X	.046	0947	X	X	
3	Std 0.1 ug		X	X	X	X	X	.090	0949	X	X	
4	Std 0.2 ug		X	X	X	X	X	.180	0951	X	X	
5	Std 0.5 ug		X	X	X	X	X	.436	0953	X	X	
6	Std 1.0 ug		X	X	X	X	X	.846	0955	X	X	
7	ICV 0.6 ug		X	X	X	X	X	.522	0957	6.11	X	% Recovery = 102%
8	ICB		X	X	X	X	X	.008	0959	*<0.200	X	*also <0.500
9	PB (W/S)		X	S	X	.2462	.2462	.007	1001	~~*<0.200~~ <0.0812 <0.203	~~*also <0.500~~ [illegible]	AA85972
10	LCS (W/S)		X		X	.2388	.2388	.010	1003	X	0.413	% Recovery = 99% AA85973
11	AA88173	B1	N/A		Y	.2558	.1407	.010	1005	X	<0.355	
12	AA88178 MS	C2				.2453	.1374	.012	1007	X	0.736	MS% R = 101% AA86039
13	AA88178 MSD	C2				.2190	.1226	.010	1009	X	0.805	MSD% R = 99% RPD=2 AA86036
14	AA88176	D2				.2503	.1676	.009	1011	X	<0.740	
15	AA88178	C2				.2470	.1359	.007	1013	X	<0.368	neat
16	AA88180	F2				.2589	.0933	.017	1015	X	<0.508	
17	AA88185	E1				.2358	.0660	.017	1017	X	<0.758	
18	AA88129	A3				~~.2564~~ .2364	.1688	.007	1019	X	<0.296	
19*	CCV		X	X	X	X	X	.520	1021	6.08	X	% R = 101%
20*	CCB		X	X	X	X	X	.007	1023	*<0.200	X	*also <0.500
21	AA88133	L1 Large	N/A	S	Y	0.2106	.1999	.006	1025	X	<0.102	
22	AA88138	L2 Small				.2475	.2401	.007	1027	X	<0.0833	
23	CCV		X	X	X	X	X	.523	1029	6.12	X	% R = 102%
24	CCB		X	X	X	X	X	.011	1031	*<0.200	X	*also <0.500
25												

Seq	COMMENTS	
11	AA88173 smells like petroleum	0.0236
12 13 15	AA88178 - strong ? smell.	.02 = X = ~~0.0257~~
14	AA88176 - strong petroleum smell, mostly liquid	
16	AA88180 - " " " " "	.05 = X = 0.0489
17	AA88185 - strong petroleum smell	

original in 01B88124

CC0184

RL 26B-542

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL DV:030994

RL # 26B-542 Page 1 of 2

Client: BAILEY; Gonzales; Patrick AFB SDG: 02B88173

Method Ref: 7470A / 245.1 QC: N/A Syst. ID AAS-001 C/M/R 26B-542

Reagents Ref: 53B-641F; 53B-593B; 55A-45-6; 55A-45-6 Stds. Ref: 1660-73; 1660-76

Calib. Curve Data: Slope: 0.8484 Intercept: -0.00362 Corr. Coeff. 0.99998

Prep: Date 3/13/96 Tech: CM7

Analysis: Date 3/14/96 Time: 1000 Tech: CM7 3-14-96

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	.001	1000	X	X	
2	Std 0.05 ug		X	X	X	X	X	.045	1002	X	X	
3	Std 0.1 ug		X	X	X	X	X	.090	1004	X	X	
4	Std 0.2 ug		X	X	X	X	X	.175	1006	X	X	
5	Std 0.5 ug		X	X	X	X	X	.425	1008	X	X	
6	Std 1.0 ug		X	X	X	X	X	.852	1010	X	X	
7	ICV 0.6 ug		X	X	X	X	X	.506	1012	5.93	X	% Recovery = 99%
8	ICB		X	X	X	X	X	.009	1014	*<0.200	X	*Also <0.500
9	PB (W/S)	water	X	W	X	0.1	1.0	.007	1016	*<0.200	X	*Also <0.500
10	LCS (W/S)	water	X		X			.090	1018	1.02	X	% Recovery = 102%
11	TCLP BK	8029	Y		Y			.008	1020	<0.500	X	AA85987
12	AA88173	B1						.005	1022	<0.500	X	
13	AA88174	B2 D1						.005	1024	<0.500	X	neat
14	AA88174ms	D1						.091	1026	1.04	X	MS % R = 104%
15	AA88174msd	D1						.091	1028	1.04	X	MSD % R = 104%
16	AA88175	D3						.007	1030	<0.500	X	
17	AA88176	D2						.006	1032	<0.500	X	
18	AA88177	F3						.004	1034	<0.500	X	
19*	CCV		X	X	X	X	X	.510	1036	5.97	X	% R = 100%
20*	CCB		X	X	X	X	X	.003	1038	*<0.200	X	*<0.500
21	AA88178	C2	Y	W	Y	0.1	1.0	.005	1040	<0.500	X	
22	AA88179	B2						.004	1042	<0.500	X	
23	AA88180	F2						.004	1044	<0.500	X	
24	AA88181	F1						.003	1046	<0.500	X	
25	AA88182	F4						.003	1048	<0.500	X	

AA86002
AA86003
AA86035
RPD
AA86036

Seq	COMMENTS
	.02 → .020
	.05 → .045

RL26B-542 000185

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL DV:030994

RL # 26B-542 Page 2 of 2

Client: BAILEY; Gonzales; Patrick SDG: 02B88173

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
26	AA88183	B3	Y	W	Y	0.1	1.0	.004	1050	<0.500	X	
27	AA88184	E2	↓	↓	↓	↓	↓	.005	1052	<0.500	X	
28	AA88185	E1	↓	↓	↓	↓	↓	.005	1054	<0.500	X	
29	AA88190	Comp 1+2	↓	↓	↓	↓	↓	.041	1056	0.417	X	
30	TCLP BLK	330	↓	↓	↓	↓	↓	.005	1058	<0.200	X	
31*	CCV		X	X	X	X	X	684	1106	6.85	X	%R = 114%
32*	CCB		X	X	X	X	X	.007	1102	*<0.200	X	*<0.500 ABO
33	AA87986	T-1	Y	W	Y	~~0.84~~ .884	1.0	.100	1104	11.42	X	neat 10X report
34	AA87986d	T-1	↓	↓	↓	↓	↓	.108	1106	12.36	X	dup 10X
35	AA87987	T-2	↓	↓	↓	↓	↓	.120	1108	13.78	X	neat 10X Report
36	AA87987d	T-2	↓	↓	↓	↓	↓	.115	1110	13.19	X	dup 10X
37	CCV		X	X	X	X	X	.520	1112	6.07	X	%R = 102%
38	CCB		X	X	X	X	X	.007	1114	*<0.200	X	*ABO <0.500
39												
40												
41												
42												
43*												
44*												
45												
46												
47												
48												
49												
50												

Seq	COMMENTS
33-36	10x dil were done due to samples overcal + limited sample volume when went back to do dilutions

SDG No: 02B88173

Method No.: 9010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site PJ B SDG No: 02B 88173 Date Received: 3/11/96
Sampling Site(s): 1 PJ B 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01	B1	AA 88173	So		1
02	D1	AA 88174	So		1
03	D3	AA 88175	So		1
04	D2	AA 88176	So		1
05	F3	AA 88177	So		1
06	C2	AA 88178	So		1
07	B2	AA 88179	So		1
08	F2	AA 88180	So		1
09	F1	AA 88181	So		1
10	F4	AA 88182	So		1
11	B3	AA 88183	So		1
12	E2	AA 88184	So		1
13	E1	AA 88185	So		1
14	2HESB8026 ~~ICLPSB8026~~	AA 85982			
15	ICPSB0341	AA 85983			
16	ICDSL0341	AA 85984			
17	ESB0343	AA 85985			
18	ESL0343	AA 85986			
19	ICLPSB8029	AA 85987			
20	ICPWB0349	AA 85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96

Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	ICPWL0349	AA85989			
22	HGWB0542	AA86002			
23	HGWL0542	AA86003			
24	ZHESB8028	AA86013			
25	VWB0791T	AA86007			
26	VWL0791T	AA86008			
27	VWB0793T	AA86009			
28	VWL0793T	AA86010			
29	VSB0793	AA86014			
30	VSL0793	AA86015			
31	SWB8034	AA86016			
32	SWL8034	AA86017			
33	B1 MS	AA86019			
34	B1 MSD	AA86020			
35	BC2 MS	AA86029			
36	C2 MSD	AA86030			
37	D1 MS	AA86035			
38	D1 MSD	AA86036			
39	VSB0791	AA86023			
40	VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 2 3

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGSB0541	AA85972
01B88124	HGSL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total			
F2	AA88180	10X	Fe
E1	AA88185	10X	Fe
7000 - Total Lead			
B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume	except *
D1	AA88174	10X	
D3	AA88175	10X	
D2	AA88176	10X	
F3	AA88177	10X	
C2	AA88178	10X	
C2MS	AA86029	10X and 5mL end volume	except *
C2MSD	AA86030	10X and 5mL end volume	except *
B2	AA88179	10X and 5mL end volume	except *
		10X	

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol

C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:03	JG
Cyanide	SW9010	0.842	Not Det	03/14/96	11:03	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000195

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: D2

Project Name: BAILTCLP

BAILEY PROJECT GE3913

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Date Sampled: 03/07/96

Collector: WISEALOWSKI

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:17	JG
Cyanide	SW9010	1.85	Not Det	03/14/96	11:17	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:18	JG
Cyanide	SW9010	0.883	Not Det	03/14/96	11:18	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

000197

03/19/96

Page 1

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:19	JG
Cyanide	SW9010	1.25	Not Det	03/14/96	11:19	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:20	JG
Cyanide	SW9010	1.79	Not Det	03/14/96	11:20	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86019

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:15	JG
Cyanide	SW9010	0.909	2.04	03/14/96	11:15	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86020

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:16	JG
Cyanide	SW9010	0.909	2.86	03/14/96	11:16	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: CNSB0356

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86004

Collector:

Date Sampled: 03/14/96

Time Sampled: 11:01

Log In Date: 03/14/96

Log In Time: 11:01

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:01	JG
Cyanide	SW9010	0.500	Not Det	03/14/96	11:01	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : CNSB0356

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/14/96
SDGs Included : 01B88124 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
CNSB0356	AA86004	3/14/96	SQ	LB
CNSL0356	AA86005	3/14/96	SQ	BS
B1 MS	AA86019	3/7/96	SQ	MS
B1 MSD	AA86020	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW9010
initial
Extraction : NONE
Matrix : SQ
Units : mg/Kg
Neat Sample : AA88173

MS Sample Name : B1 MS
MS LIMS ID : AA86019
MS Extraction :
MS Extraction :
MS Analysis : 3/14/96
MS Analysis : 11:15

MSD Sample Name : B1 MSD
MSD LIMS ID : AA86020
MSD Extraction :
MSD Extraction :
MSD Analysis : 3/14/96
MSD Analysis : 11:16

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Cyanide	0	9.091	2.04	22	*	9.091	2.86	32	*	34	*	75	125	20	PR

LCS : SW9010
initial
Extraction Method : NONE
Matrix : SQ
Units : mg/Kg

Sample Name : CNSL0356
LIMS Sample ID : AA86005
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/14/96
Time of Analysis : 11:02

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Cyanide	5	4.85	97		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: CNSL0356

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86005

Collector:

Date Sampled: 03/14/96

Time Sampled: 11:02

Log In Date: 03/14/96

Log In Time: 11:02

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:02	JG
Cyanide	SW9010	0.500	4.85	03/14/96	11:02	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bricengste A+B

Case: GF 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No Complete Y/N S/X/D
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	
01,04,06,08,13	S	SC	9230	SR	3/11/96	1400	SR	3/11/96	1500	S-Y
[illegible]	-	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
01-13	S	DRT		SR	3-12-96	1330	[illegible]	3-12-96	1330	S-N
[illegible]	S	JKG	9010	SR	3/13/96	[illegible]	SR	3/13/96	[illegible]	T-S
01-13	S	JP	9055	[illegible]	3/13/96	0830	SR	3/13/96	0945	S-[illegible]
01,04,06,08,13	S	GM	7471A	SR	3-12-96	0800	SR	3-12-96	1200	Y-S
01-13	X	GM	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

RL 52D-356 000205

Cyanide Prep/Analysis Bench Sheet

LENL-Pensacola, FL

DV:030994

RL # 52D-356

Page 1 of 2

Client: ABL, GONZALES, BAILEY

SDG: 28H0, 8812, 817

Method Ref: 9010/335.2 QC: NA Spec: Syst. ID Spec-001

C/M/R 79A-416

Reagents Ref: 53B-671A 53B-672 53B-673 53B-678

Stds. Ref: 44H-60, 61

Calib. Curve Data: Slope: .00452 Intercept: x = -.339

Corr. Coeff. .9998

Prep: Date 3 / 13 / 96 Tech: JRG

Analysis: Date 3 / 14 / 96 Tech: JRG

3-14-96

Seq	Sample #	Sample ID	pH <12	S	Cl	Mtx	Hmg	V:L Wt:g	SCF	C: mls	Time	Abs	ug in dist.	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	X	X	X	1025	.000	-.339	X	X	
2	Cal Std ~~2.5 ug~~	5 ug/L	X	X	X	X	X	X	X	X	1026	.024	4.97	X	X	
3	Dist Std 5ug	10 ug/L	X	X	X	X	X	X	X	X	1027	.045	9.61	X	X	% Rec = 96
4	Cal Std 10ug	20 ug/L	X	X	X	X	X	X	X	X	1028	.097	21.11	X	X	
5	Cal Std 25ug	50 ug/L	X	X	X	X	X	X	X	X	1029	.234	51.40	X	X	
6	Dist Std 50ug	100 ug/L	X	X	X	X	X	X	X	X	1030	.442	97.39	X	X	% Rec = 97
7	Cal Std 100ug	200 ug/L	X	X	X	X	X	X	X	X	1031	.910	200.87	X	X	
8	Dist ICV 50ug	100 ug/L	X	X	X	X	X	X	X	X	1042	.418	92.08	92.08	X	% Rec = 92
9	ICB		X	X	X	X	X	X	X	X	1043	.000	-.339	<10.0	X	
10	PB (W/S)		X	X	X	LW	X	.05	1.0	50.0	1044	.000	-.339	<10.0	X	~~AA86001~~
11	LCS (W/S)		X	N	N		X				1045	.436	96.06	96.06	X	96% ~~AA86001~~
12	AA88170	MW08B	12	N	N		Y				1046	.005	.766	<10.0	X	
13	AA88170MS	MW08B	12	N	N						1047	.445	98.05	98.05	X	98%
14	AA88170MSD	MW08B	12	N	N						1048	.447	98.49	98.49	X	98%
15	AA88171	MW06B	12	N	N						1059	.004	.545	<10.0	X	
16	AA88190		12	N	N						1100	.005	.766	<10.0	X	
17	PEPBLK		X	X	+	LS	X	1.00	1.00		1101	.000	-.339	X	<.5	~~AA86004~~
18*	LCS		X	X	X	LS	X	1.00	1.00		1102	.440	96.95	X	4.85	97% ~~AA86005~~
19*	AA88173	B1	NA	N	N	LS	Y	1.00	.594		1103	.000	-.339	X	<.842	
20	ICV		X	X	X	X	X	X	X		1104	.415	91.42	91.42	X	91%
21	CCB		X	X	X	X	X	X	X		1105	.000	-.339	<10.0	X	
22	AA88173MS	B1	NA	NA	NA	LS	Y	1.00	.550		1115	.103	22.43	X	2.04	22% ~~AA86009~~
23	AA88173MSD	B1						1.00	.550		1116	.144	31.50	X	2.86	31% ~~AA86010~~
24	AA88176	D2						1.00	.270		1117	.006	.988	X	<1.85	
25	AA88178	C2						1.01	.566		1118	.011	2.09	X	<3.83	

Original in OIB88124

Cyanide Prep/Analysis Bench Sheet RL 52D-356 00026

LENL-Pensacola, FL

DV:030994

RL # 52D-356

Page 2 of 2

Client: B4,W

SDG: 01B88124

Prep: Date 3/13/96 Tech: JR6 Analysis: Date 3/14/96

Seq	Sample #	Sample ID	pH <12	S	Cl	Mtx	Hmg	V:L Wt:g	SCF	C: mls	Time	Abs	ug in dist.	Water ug/L	Other mg/kg	Comments
26	4A88180	F2	NA	NA	NA	LS	Y	1.05	.399	500	1119	.001	-.118	X	<1.25	
27	4A88185	E1	↓	↓	↓	↓	↓	1.00	.280	↓	1120	.001	-.118	X	<1.79	
28	4A88129	A3	↓	↓	↓	↓	↓	1.00	.690	↓	1121	.002	.103	X	<.725	
29	4A88173 *	B1	↓	↓	↓	↓	↓	1.08	.594	↓	1130	.133	29.06	X	2.45	146%
30	CCV		X	X	X	X	X	X	X	↓	1131	.419	92.30	92.30	X	92%
31	CCB		X	X	X	X	X	X	X	↓	1132	.000	-.334	<10.0	X	
32																
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
46																
47																
48																
49																
50																

Seq	COMMENTS
	* 4A88173 Post-Digest Spike 20 ug/L

Original in 01B88124

SDG No: 02B88173

Method No.: 8260 5mL

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site Pit B SDG No: 02B 88173 Date Received: 3/11/96
Sampling Site(s): 1 Pit B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	SO		1
02 D1	AA 88174	SO		1
03 D3	AA 88175	SO		1
04 D2	AA 88176	SO		1
05 F3	AA 88177	SO		1
06 C2	AA 88178	SO		1
07 B2	AA 88179	SO		1
08 F2	AA 88180	SO		1
09 F1	AA 88181	SO		1
10 F4	AA 88182	SO		1
11 B3	AA 88183	SO		1
12 E2	AA 88184	SO		1
13 E1	AA 88185	SO		1
14 2HESB8026 ~~ICLPSB8026~~	AA85982			
15 ICPSB0341	AA85983			
16 ICPSL0341	AA85984			
17 ESB0343	AA85985			
18 ESL0343	AA85986			
19 ICLPSB8029	AA85987			
20 ICPWB0349	AA85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	ICPWL0349	AA85989			
22	HGWB0542	AA86002			
23	HGWL0542	AA86003			
24	ZHESB8028	AA86013			
25	VWB0791T	AA86007			
26	VWL0791T	AA86008			
27	VWB0793T	AA86009			
28	VWL0793T	AA86010			
29	VSB0793	AA86014			
30	VSL0793	AA86015			
31	SWB8034	AA86016			
32	SWL8034	AA86017			
33	B1 MS	AA86019			
34	B1 MSD	AA86020			
35	BC2 MS	AA86029			
36	C2 MSD	AA86030			
37	D1 MS	AA86035			
38	D1 MSD	AA86036			
39	VSB0791	AA86023			
40	VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96

Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGWB0541	AA85972
01B88124	HGWL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total			
F2	AA88180	10X	Fe
E1	AA88185	10X	Fe
7000 - Total Lead			
B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume except *
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X and 5mL end volume except *
C2MS	AA86029	10X and 5mL end volume except *
C2MSD	AA86030	10X and 5mL end volume except *
B2	AA88179	10X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol
C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	08:34	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/13/96	08:34	WD
Acetone	SW8260	1250	Not Det	03/13/96	08:34	WD
Benzene	SW8260	625	8800	03/13/96	08:34	WD
Bromodichloromethane	SW8260	625	Not Det	03/13/96	08:34	WD
Bromoform	SW8260	625	Not Det	03/13/96	08:34	WD
Bromomethane	SW8260	1250	Not Det	03/13/96	08:34	WD
2-Butanone	SW8260	1250	Not Det	03/13/96	08:34	WD
Carbon disulfide	SW8260	625	Not Det	03/13/96	08:34	WD
Carbon tetrachloride	SW8260	625	Not Det	03/13/96	08:34	WD
Chlorobenzene	SW8260	625	Not Det	03/13/96	08:34	WD
Chloroethane	SW8260	1250	Not Det	03/13/96	08:34	WD
2-Chloroethyl vinyl ether	SW8260	1250	Not Det	03/13/96	08:34	WD
Chloroform	SW8260	625	Not Det	03/13/96	08:34	WD
Chloromethane	SW8260	1250	Not Det	03/13/96	08:34	WD
Dibromochloromethane	SW8260	625	Not Det	03/13/96	08:34	WD
1,1-Dichloroethane	SW8260	625	Not Det	03/13/96	08:34	WD
1,2-Dichloroethane	SW8260	625	8800	03/13/96	08:34	WD
1,1-Dichloroethene	SW8260	625	Not Det	03/13/96	08:34	WD
cis-1,2-Dichloroethene	SW8260	625	Not Det	03/13/96	08:34	WD
trans-1,2-Dichloroethene	SW8260	625	Not Det	03/13/96	08:34	WD
1,2-Dichloropropane	SW8260	625	Not Det	03/13/96	08:34	WD
cis-1,3-Dichloropropene	SW8260	625	Not Det	03/13/96	08:34	WD
trans-1,3-Dichloropropene	SW8260	625	Not Det	03/13/96	08:34	WD
Ethylbenzene	SW8260	625	16700	03/13/96	08:34	WD
2-Hexanone	SW8260	1250	Not Det	03/13/96	08:34	WD
Methylene chloride	SW8260	625	Not Det	03/13/96	08:34	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

Station ID: B1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	1250	Not Det	03/13/96	08:34	WD
Styrene	SW8260	625	13700	03/13/96	08:34	WD
1,1,2,2-Tetrachloroethane	SW8260	625	Not Det	03/13/96	08:34	WD
Tetrachloroethene	SW8260	625	Not Det	03/13/96	08:34	WD
Toluene	SW8260	625	5230	03/13/96	08:34	WD
1,1,1-Trichloroethane	SW8260	625	Not Det	03/13/96	08:34	WD
1,1,2-Trichloroethane	SW8260	625	Not Det	03/13/96	08:34	WD
Trichloroethene	SW8260	625	Not Det	03/13/96	08:34	WD
Vinyl acetate	SW8260	1250	Not Det	03/13/96	08:34	WD
Vinyl chloride	SW8260	1250	Not Det	03/13/96	08:34	WD
Xylenes (Total)	SW8260	625	9220	03/13/96	08:34	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	100	03/13/96	08:34	WD
sur-Toluene-d8 %R 81-117	SW8260	0	102	03/13/96	08:34	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	106	03/13/96	08:34	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88173	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	B1	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Heptane	7.22	2000
Cyclohexane, methyl-	8.32	5750
Octane	11.21	4250
Cyclopentane, 1-ethyl-3-methyl-, cis-	12.47	3000
Unknown	12.67	3875
Cyclohexane, propyl-	15.47	2375
Benzene, 1-ethyl-2-methyl-	16.82	3125
Benzene, 1-propynyl-	18.96	2250
Benzofuran, 2-methyl-	19.95	23750
Unknown	20.43	1750
Unknown	20.80	1875
1H-Pyrazole, 1,3-dimethyl-	14.44	16400
n-Propylbenzene	16.58	239
1,3,5-Trimethylbenzene	16.98	1580
1,2,4-Trimethylbenzene	17.71	3320
sec-Butylbenzene	18.02	222
1,2-Dichlorobenzene	18.82	279
Naphthalene	20.99	21100

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

Station ID: B1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	12:50	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	12:50	WD
Benzene	SW8260	50.0	277	03/13/96	12:50	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	12:50	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	12:50	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	12:50	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	12:50	WD
1,2-Dichloroethane	SW8260	50.0	440	03/13/96	12:50	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	12:50	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	12:50	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	12:50	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	12:50	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	92	03/13/96	12:50	WD
sur-Toluene-d8 %R 88-110	SW8260	0	102	03/13/96	12:50	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	12:50	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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03/19/96

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Station ID: D1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	13:13	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	13:18	WD
Benzene	SW8260	50.0	Not Det	03/13/96	13:18	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	13:18	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	13:18	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	13:18	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	13:18	WD
1,2-Dichloroethane	SW8260	50.0	Not Det	03/13/96	13:18	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	13:18	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	13:18	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	13:18	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	13:18	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	91	03/13/96	13:18	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/13/96	13:18	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: D1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/13/96	13:18	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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Station ID: D3

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	13:46	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	13:46	WD
Benzene	SW8260	50.0	87.9	03/13/96	13:46	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	13:46	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	13:46	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	13:46	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	13:46	WD
1,2-Dichloroethane	SW8260	50.0	Not Det	03/13/96	13:46	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	13:46	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	13:46	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	13:46	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	13:46	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	87	03/13/96	13:46	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/13/96	13:46	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: D3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	13:46	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000225

TEST DATA REPORT

03/19/96

Page 1

Station ID: D2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	09:02	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/13/96	09:02	WD
Acetone	SW8260	1250	Not Det	03/13/96	09:02	WD
Benzene	SW8260	625	2460	03/13/96	09:02	WD
Bromodichloromethane	SW8260	625	Not Det	03/13/96	09:02	WD
Bromoform	SW8260	625	Not Det	03/13/96	09:02	WD
Bromomethane	SW8260	1250	Not Det	03/13/96	09:02	WD
2-Butanone	SW8260	1250	Not Det	03/13/96	09:02	WD
Carbon disulfide	SW8260	625	Not Det	03/13/96	09:02	WD
Carbon tetrachloride	SW8260	625	Not Det	03/13/96	09:02	WD
Chlorobenzene	SW8260	625	Not Det	03/13/96	09:02	WD
Chloroethane	SW8260	1250	Not Det	03/13/96	09:02	WD
2-Chloroethyl vinyl ether	SW8260	1250	Not Det	03/13/96	09:02	WD
Chloroform	SW8260	625	Not Det	03/13/96	09:02	WD
Chloromethane	SW8260	1250	Not Det	03/13/96	09:02	WD
Dibromochloromethane	SW8260	625	Not Det	03/13/96	09:02	WD
1,1-Dichloroethane	SW8260	625	Not Det	03/13/96	09:02	WD
1,2-Dichloroethane	SW8260	625	585 J	03/13/96	09:02	WD
1,1-Dichloroethene	SW8260	625	Not Det	03/13/96	09:02	WD
cis-1,2-Dichloroethene	SW8260	625	Not Det	03/13/96	09:02	WD
trans-1,2-Dichloroethene	SW8260	625	Not Det	03/13/96	09:02	WD
1,2-Dichloropropane	SW8260	625	Not Det	03/13/96	09:02	WD
cis-1,3-Dichloropropene	SW8260	625	Not Det	03/13/96	09:02	WD
trans-1,3-Dichloropropene	SW8260	625	Not Det	03/13/96	09:02	WD
Ethylbenzene	SW8260	625	9570	03/13/96	09:02	WD
2-Hexanone	SW8260	1250	Not Det	03/13/96	09:02	WD
Methylene chloride	SW8260	625	Not Det	03/13/96	09:02	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	1250	Not Det	03/13/96	09:02	WD
Styrene	SW8260	625	1740	03/13/96	09:02	WD
1,1,2,2-Tetrachloroethane	SW8260	625	Not Det	03/13/96	09:02	WD
Tetrachloroethene	SW8260	625	Not Det	03/13/96	09:02	WD
Toluene	SW8260	625	1790	03/13/96	09:02	WD
1,1,1-Trichloroethane	SW8260	625	Not Det	03/13/96	09:02	WD
1,1,2-Trichloroethane	SW8260	625	Not Det	03/13/96	09:02	WD
Trichloroethene	SW8260	625	Not Det	03/13/96	09:02	WD
Vinyl acetate	SW8260	1250	Not Det	03/13/96	09:02	WD
Vinyl chloride	SW8260	1250	Not Det	03/13/96	09:02	WD
Xylenes (Total)	SW8260	625	4320	03/13/96	09:02	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	84	03/13/96	09:02	WD
sur-Toluene-d8 %R 81-117	SW8260	0	107	03/13/96	09:02	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	104	03/13/96	09:02	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88176	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	D2	Units: ug/Kg	

COMPOUND NAME	R.T.	CONCENTRATION
Furan, 2-methyl-	4.16	13750
Cyclohexane, methyl-	8.28	5375
Heptane, 2,3-dimethyl-	11.21	4000
Cyclohexane, ethyl-	12.45	3125
Cyclohexane, 4-ethyenyl-	12.67	3125
Unknown	15.45	3750
Benzene, 1-ethyl-2-methyl-	16.78	2375
Decane	17.20	4500
Benzene, 1,2,3-trimethyl-	17.71	5625
Benzene, 1-methyl-4-(1-methylethyl)-	19.85	1750
Benzofuran, 2-methyl-	19.94	7500
n-Propylbenzene	16.59	448
1,3,5-Trimethylbenzene	16.97	1320
1,2,4-Trimethylbenzene	16.97	1290
sec-Butylbenzene	18.02	296
4-Isopropyltoluene	18.29	959
n-Butylbenzene	18.90	565
1,2-Dichlorobenzene	18.83	131
Naphthalene	20.99	13500

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: D2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	14:14	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	14:14	WD
Benzene	SW8260	50.0	79.3	03/13/96	14:14	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	14:14	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	14:14	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	14:14	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	14:14	WD
1,2-Dichloroethane	SW8260	50.0	22.1 J	03/13/96	14:14	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	14:14	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	14:14	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	14:14	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	14:14	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	84	03/13/96	14:14	WD
sur-Toluene-d8 %R 88-110	SW8260	0	104	03/13/96	14:14	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	14:14	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	14:41	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	14:41	WD
Benzene	SW8260	50.0.	1440	03/13/96	14:41	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	14:41	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	14:41	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	14:41	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	14:41	WD
1,2-Dichloroethane	SW8260	50.0	235	03/13/96	14:41	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	14:41	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	14:41	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	14:41	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	14:41	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	94	03/13/96	14:41	WD
sur-Toluene-d8 %R 88-110	SW8260	0	108	03/13/96	14:41	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	98	03/13/96	14:41	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000232

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	11:39	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	11:39	WD
Acetone	SW8260	2500	Not Det	03/14/96	11:39	WD
Benzene	SW8260	1250	24700	03/14/96	11:39	WD
Bromodichloromethane	SW8260	1250	Not Det	03/14/96	11:39	WD
Bromoform	SW8260	1250	Not Det	03/14/96	11:39	WD
Bromomethane	SW8260	2500	Not Det	03/14/96	11:39	WD
2-Butanone	SW8260	2500	Not Det	03/14/96	11:39	WD
Carbon disulfide	SW8260	1250	Not Det	03/14/96	11:39	WD
Carbon tetrachloride	SW8260	1250	Not Det	03/14/96	11:39	WD
Chlorobenzene	SW8260	1250	Not Det	03/14/96	11:39	WD
Chloroethane	SW8260	2500	Not Det	03/14/96	11:39	WD
2-Chloroethyl vinyl ether	SW8260	2500	Not Det	03/14/96	11:39	WD
Chloroform	SW8260	1250	Not Det	03/14/96	11:39	WD
Chloromethane	SW8260	2500	Not Det	03/14/96	11:39	WD
Dibromochloromethane	SW8260	1250	Not Det	03/14/96	11:39	WD
1,1-Dichloroethane	SW8260	1250	Not Det	03/14/96	11:39	WD
1,2-Dichloroethane	SW8260	1250	26900	03/14/96	11:39	WD
1,1-Dichloroethene	SW8260	1250	Not Det	03/14/96	11:39	WD
cis-1,2-Dichloroethene	SW8260	1250	Not Det	03/14/96	11:39	WD
trans-1,2-Dichloroethene	SW8260	1250	Not Det	03/14/96	11:39	WD
1,2-Dichloropropane	SW8260	1250	Not Det	03/14/96	11:39	WD
cis-1,3-Dichloropropene	SW8260	1250	Not Det	03/14/96	11:39	WD
trans-1,3-Dichloropropene	SW8260	1250	Not Det	03/14/96	11:39	WD
Ethylbenzene	SW8260	1250	37100	03/14/96	11:39	WD
2-Hexanone	SW8260	2500	Not Det	03/14/96	11:39	WD
Methylene chloride	SW8260	1250	Not Det	03/14/96	11:39	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	2500	Not Det	03/14/96	11:39	WD
Styrene	SW8260	1250	44000	03/14/96	11:39	WD
1,1,2,2-Tetrachloroethane	SW8260	1250	Not Det	03/14/96	11:39	WD
Tetrachloroethene	SW8260	1250	Not Det	03/14/96	11:39	WD
Toluene	SW8260	1250	14800	03/14/96	11:39	WD
1,1,1-Trichloroethane	SW8260	1250	Not Det	03/14/96	11:39	WD
1,1,2-Trichloroethane	SW8260	1250	Not Det	03/14/96	11:39	WD
Trichloroethene	SW8260	1250	Not Det	03/14/96	11:39	WD
Vinyl acetate	SW8260	2500	Not Det	03/14/96	11:39	WD
Vinyl chloride	SW8260	2500	Not Det	03/14/96	11:39	WD
Xylenes (Total)	SW8260	1250	20400	03/14/96	11:39	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	107	03/14/96	11:39	WD
sur-Toluene-d8 %R 81-117	SW8260	0	103	03/14/96	11:39	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	111	03/14/96	11:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88178	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	C2	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Cyclohexane	5.71	11750
Heptane	7.24	2750
Cyclohexane, methyl-	8.33	8750
Heptane, 3-methyl-	11.22	5500
Cyclopentane, 1-ethyl-3-methyl-, trans	12.47	3500
Unknown	12.68	10000
Unknown	15.47	3500
Benzene, 1-ethyl-2-methyl-	16.62	5750
Benzofuran, 2-methyl-	19.96	82500
Cycloprop[a]indene, 1,1a,6,6a-tetrahydr	20.42	6250
Unknown	20.82	4250
1H-Pyrazole,3,5-dimethyl-	14.41	76500
Isopropylbenzene (Cumene)	15.75	933
n-Propylbenzene	16.59	890
1,3,5-Trimethylbenzene	16.98	2430
1,2,4-Trimethylbenzene	17.70	5540
sec-Butylbenzene	18.02	362
4-Isopropyltoluene	18.28	905
n-Butylbenzene	18.91	970
1,2-Dichlorobenzene	18.81	725
Naphthalene	21.00	50500

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

Station ID: C2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	15:09	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	15:09	WD
Benzene	SW8260	50.0	445	03/13/96	15:09	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	15:09	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	15:09	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	15:09	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	15:09	WD
1,2-Dichloroethane	SW8260	50.0	812	03/13/96	15:09	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	15:09	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	15:09	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	15:09	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	15:09	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	94	03/13/96	15:09	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/13/96	15:09	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	103	03/13/96	15:09	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000237

TEST DATA REPORT

03/19/96

Page 1

Station ID: B2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	15:37	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	15:37	WD
Benzene	SW8260	50.0	200	03/13/96	15:37	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	15:37	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	15:37	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	15:37	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	15:37	WD
1,2-Dichloroethane	SW8260	50.0	165	03/13/96	15:37	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	15:37	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	15:37	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	15:37	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	15:37	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	84	03/13/96	15:37	WD
sur-Toluene-d8 %R 88-110	SW8260	0	102	03/13/96	15:37	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: B2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	98	03/13/96	15:37	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	15:27	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	15:27	WD
Acetone	SW8260	5000	Not Det	03/14/96	15:27	WD
Benzene	SW8260	2500	65600	03/14/96	15:27	WD
Bromodichloromethane	SW8260	2500	Not Det	03/14/96	15:27	WD
Bromoform	SW8260	2500	Not Det	03/14/96	15:27	WD
Bromomethane	SW8260	5000	Not Det	03/14/96	15:27	WD
2-Butanone	SW8260	5000	Not Det	03/14/96	15:27	WD
Carbon disulfide	SW8260	2500	Not Det	03/14/96	15:27	WD
Carbon tetrachloride	SW8260	2500	Not Det	03/14/96	15:27	WD
Chlorobenzene	SW8260	2500	Not Det	03/14/96	15:27	WD
Chloroethane	SW8260	5000	Not Det	03/14/96	15:27	WD
2-Chloroethyl vinyl ether	SW8260	5000	Not Det	03/14/96	15:27	WD
Chloroform	SW8260	2500	Not Det	03/14/96	15:27	WD
Chloromethane	SW8260	5000	Not Det	03/14/96	15:27	WD
Dibromochloromethane	SW8260	2500	Not Det	03/14/96	15:27	WD
1,1-Dichloroethane	SW8260	2500	Not Det	03/14/96	15:27	WD
1,2-Dichloroethane	SW8260	2500	10000	03/14/96	15:27	WD
1,1-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:27	WD
cis-1,2-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:27	WD
trans-1,2-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:27	WD
1,2-Dichloropropane	SW8260	2500	Not Det	03/14/96	15:27	WD
cis-1,3-Dichloropropene	SW8260	2500	Not Det	03/14/96	15:27	WD
trans-1,3-Dichloropropene	SW8260	2500	Not Det	03/14/96	15:27	WD
Ethylbenzene	SW8260	2500	61100	03/14/96	15:27	WD
2-Hexanone	SW8260	5000	Not Det	03/14/96	15:27	WD
Methylene chloride	SW8260	2500	Not Det	03/14/96	15:27	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	5000	Not Det	03/14/96	15:27	WD
Styrene	SW8260	2500	18700	03/14/96	15:27	WD
1,1,2,2-Tetrachloroethane	SW8260	2500	Not Det	03/14/96	15:27	WD
Tetrachloroethene	SW8260	2500	2120 J	03/14/96	15:27	WD
Toluene	SW8260	2500	49200	03/14/96	15:27	WD
1,1,1-Trichloroethane	SW8260	2500	Not Det	03/14/96	15:27	WD
1,1,2-Trichloroethane	SW8260	2500	Not Det	03/14/96	15:27	WD
Trichloroethene	SW8260	2500	Not Det	03/14/96	15:27	WD
Vinyl acetate	SW8260	5000	Not Det	03/14/96	15:27	WD
Vinyl chloride	SW8260	5000	Not Det	03/14/96	15:27	WD
Xylenes (Total)	SW8260	2500	74400	03/14/96	15:27	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	99	03/14/96	15:27	WD
sur-Toluene-d8 %R 81-117	SW8260	0	107	03/14/96	15:27	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	98	03/14/96	15:27	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88180	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	F2	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
1-Propene, 2-methoxy-	2.14	45500
Hexane	3.61	50000
Cyclopentane, methyl-	4.48	50000
Cyclohexane	5.74	90000
Heptane	7.27	19000
Cyclohexane, methyl-	8.35	65000
Octane	11.23	27000
Cyclohexane, ethyl-	12.48	34000
Benzene, 1-ethyl-2-methyl-	16.80	30500
Benzofuran, 2-methyl-	19.93	31500
Benzene, 1-methyl-3-(1-methylethyl)-	20.35	33500
1H-Indene, 2,3-dihydro-1,3-dimethyl-	21.77	15000
Isopropylbenzene (Cumene)	15.74	4040
n-Propylbenzene	16.59	5710
1,3,5-Trimethylbenzene	16.98	12800
1,2,4-Trimethylbenzene	17.71	34400
sec-Butylbenzene	18.01	3370
4-Isopropyltoluene	18.27	7810
n-Butylbenzene	18.91	6720
1,2-Dichlorobenzene	18.82	695
Naphthalene	21.00	144000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	16:05	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	16:05	WD
Benzene	SW8260	50.0	1780	03/13/96	16:05	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	16:05	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	16:05	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	16:05	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	16:05	WD
1,2-Dichloroethane	SW8260	50.0	475	03/13/96	16:05	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	16:05	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	16:05	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	16:05	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	16:05	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	93	03/13/96	16:05	WD
sur-Toluene-d8 %R 88-110	SW8260	0	99	03/13/96	16:05	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	16:05	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: F1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	16:33	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	16:33	WD
Benzene	SW8260	50.0	1910	03/13/96	16:33	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	16:33	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	16:33	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	16:33	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	16:33	WD
1,2-Dichloroethane	SW8260	50.0	113	03/13/96	16:33	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	16:33	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	16:33	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	16:33	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	16:33	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	89	03/13/96	16:33	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/13/96	16:33	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: F1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	16:33	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	17:01	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	17:01	WD
Benzene	SW8260	50.0	689	03/13/96	17:01	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	17:01	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	17:01	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	17:01	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	17:01	WD
1,2-Dichloroethane	SW8260	50.0	476	03/13/96	17:01	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	17:01	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	17:01	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	17:01	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	17:01	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	92	03/13/96	17:01	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/13/96	17:01	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	17:01	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	17:28	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	17:28	WD
Benzene	SW8260	50.0	25.4 J	03/13/96	17:28	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	17:28	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	17:28	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	17:28	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	17:28	WD
1,2-Dichloroethane	SW8260	50.0	Not Det	03/13/96	17:28	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	17:28	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	17:28	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	17:28	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	17:28	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	93	03/13/96	17:28	WD
sur-Toluene-d8 %R 88-110	SW8260	0	98	03/13/96	17:28	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/13/96	17:28	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	17:59	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	17:59	WD
Benzene	SW8260	50.0	1130	03/13/96	17:59	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	17:59	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	17:59	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	17:59	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	17:59	WD
1,2-Dichloroethane	SW8260	50.0	45.8 J	03/13/96	17:59	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	17:59	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	17:59	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	17:59	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	17:59	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	89	03/13/96	17:59	WD
sur-Toluene-d8 %R 88-110	SW8260	0	103	03/13/96	17:59	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: E2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	106	03/13/96	17:59	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	15:55	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	15:55	WD
Acetone	SW8260	5000	Not Det	03/14/96	15:55	WD
Benzene	SW8260	2500	33100	03/14/96	15:55	WD
Bromodichloromethane	SW8260	2500	Not Det	03/14/96	15:55	WD
Bromoform	SW8260	2500	Not Det	03/14/96	15:55	WD
Bromomethane	SW8260	5000	Not Det	03/14/96	15:55	WD
2-Butanone	SW8260	5000	Not Det	03/14/96	15:55	WD
Carbon disulfide	SW8260	2500	Not Det	03/14/96	15:55	WD
Carbon tetrachloride	SW8260	2500	Not Det	03/14/96	15:55	WD
Chlorobenzene	SW8260	2500	Not Det	03/14/96	15:55	WD
Chloroethane	SW8260	5000	Not Det	03/14/96	15:55	WD
2-Chloroethyl vinyl ether	SW8260	5000	Not Det	03/14/96	15:55	WD
Chloroform	SW8260	2500	Not Det	03/14/96	15:55	WD
Chloromethane	SW8260	5000	Not Det	03/14/96	15:55	WD
Dibromochloromethane	SW8260	2500	Not Det	03/14/96	15:55	WD
1,1-Dichloroethane	SW8260	2500	Not Det	03/14/96	15:55	WD
1,2-Dichloroethane	SW8260	2500	1220 J	03/14/96	15:55	WD
1,1-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:55	WD
cis-1,2-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:55	WD
trans-1,2-Dichloroethene	SW8260	2500	Not Det	03/14/96	15:55	WD
1,2-Dichloropropane	SW8260	2500	Not Det	03/14/96	15:55	WD
cis-1,3-Dichloropropene	SW8260	2500	Not Det	03/14/96	15:55	WD
trans-1,3-Dichloropropene	SW8260	2500	Not Det	03/14/96	15:55	WD
Ethylbenzene	SW8260	2500	84700	03/14/96	15:55	WD
2-Hexanone	SW8260	5000	Not Det	03/14/96	15:55	WD
Methylene chloride	SW8260	2500	Not Det	03/14/96	15:55	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	5000	Not Det	03/14/96	15:55	WD
Styrene	SW8260	2500	6560	03/14/96	15:55	WD
1,1,2,2-Tetrachloroethane	SW8260	2500	Not Det	03/14/96	15:55	WD
Tetrachloroethene	SW8260	2500	Not Det	03/14/96	15:55	WD
Toluene	SW8260	2500	25600	03/14/96	15:55	WD
1,1,1-Trichloroethane	SW8260	2500	Not Det	03/14/96	15:55	WD
1,1,2-Trichloroethane	SW8260	2500	Not Det	03/14/96	15:55	WD
Trichloroethene	SW8260	2500	Not Det	03/14/96	15:55	WD
Vinyl acetate	SW8260	5000	Not Det	03/14/96	15:55	WD
Vinyl chloride	SW8260	5000	Not Det	03/14/96	15:55	WD
Xylenes (Total)	SW8260	2500	47100	03/14/96	15:55	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	100	03/14/96	15:55	WD
sur-Toluene-d8 %R 81-117	SW8260	0	107	03/14/96	15:55	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	105	03/14/96	15:55	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88185	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	E1	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Cyclohexane	5.75	50000
Heptane	7.28	9500
Cyclohexane, methyl-	8.35	34000
Octane, 3,5-dimethyl-	10.00	9500
Octane	11.23	9500
Cyclohexane, ethyl-	12.45	10500
Unknown	12.68	12500
Unknown	15.46	9500
Benzene, 1-ethyl-2-methyl-	16.81	16500
Benzofuran, 2-methyl-	19.93	23500
Unknown	20.41	15500
Isopropylbenzene (Cumene)	15.75	2680.00
n-Propylbenzene	16.59	3050.00
1,3,5-Trimethylbenzene	16.99	8010.00
1,2,4-Trimethylbenzene	17.71	18300.00
sec-Butylbenzene	18.02	1340.00
4-Isopropyltoluene	18.27	3540.00
n-Butylbenzene	18.90	2580.00
Naphthalene	20.99	85200.00

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000255

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	18:27	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	18:27	WD
Benzene	SW8260	50.0	1350	03/13/96	18:27	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/13/96	18:27	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/13/96	18:27	WD
Chlorobenzene	SW8260	50.0	Not Det	03/13/96	18:27	WD
Chloroform	SW8260	50.0	Not Det	03/13/96	18:27	WD
1,2-Dichloroethane	SW8260	50.0	57.6	03/13/96	18:27	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/13/96	18:27	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/13/96	18:27	WD
Trichloroethene	SW8260	50.0	Not Det	03/13/96	18:27	WD
Vinyl chloride	SW8260	100	Not Det	03/13/96	18:27	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	92	03/13/96	18:27	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/13/96	18:27	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/13/96	18:27	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: C2 MS

BAILEY PROJECT GE3913

Lab ID: AA86029

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/14/96	10:43	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	10:43	WD
Acetone	SW8260	2500	11800	03/14/96	10:43	WD
Benzene	SW8260	1250	34800	03/14/96	10:43	WD
Bromodichloromethane	SW8260	1250	12600	03/14/96	10:43	WD
Bromoform	SW8260	1250	11200	03/14/96	10:43	WD
Bromomethane	SW8260	2500	12800	03/14/96	10:43	WD
2-Butanone	SW8260	2500	12900	03/14/96	10:43	WD
Carbon disulfide	SW8260	1250	12100	03/14/96	10:43	WD
Carbon tetrachloride	SW8260	1250	11700	03/14/96	10:43	WD
Chlorobenzene	SW8260	1250	12300	03/14/96	10:43	WD
Chloroethane	SW8260	2500	11700	03/14/96	10:43	WD
2-Chloroethyl vinyl ether	SW8260	2500	Not Det	03/14/96	10:43	WD
Chloroform	SW8260	1250	13300	03/14/96	10:43	WD
Chloromethane	SW8260	2500	12500	03/14/96	10:43	WD
Dibromochloromethane	SW8260	1250	12000	03/14/96	10:43	WD
1,1-Dichloroethane	SW8260	1250	12300	03/14/96	10:43	WD
1,2-Dichloroethane	SW8260	1250	35600	03/14/96	10:43	WD
1,1-Dichloroethene	SW8260	1250	11800	03/14/96	10:43	WD
cis-1,2-Dichloroethene	SW8260	1250	12400	03/14/96	10:43	WD
trans-1,2-Dichloroethene	SW8260	1250	12100	03/14/96	10:43	WD
1,2-Dichloropropane	SW8260	1250	13600	03/14/96	10:43	WD
cis-1,3-Dichloropropene	SW8260	1250	12500	03/14/96	10:43	WD
trans-1,3-Dichloropropene	SW8260	1250	12900	03/14/96	10:43	WD
Ethylbenzene	SW8260	1250	43500	03/14/96	10:43	WD
2-Hexanone	SW8260	2500	16200	03/14/96	10:43	WD
Methylene chloride	SW8260	1250	13700	03/14/96	10:43	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: C2 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86029

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	2500	14800	03/14/96	10:43	WD
Styrene	SW8260	1250	52900	03/14/96	10:43	WD
1,1,2,2-Tetrachloroethane	SW8260	1250	12300	03/14/96	10:43	WD
Tetrachloroethene	SW8260	1250	12700	03/14/96	10:43	WD
Toluene	SW8260	1250	26500	03/14/96	10:43	WD
1,1,1-Trichloroethane	SW8260	1250	12200	03/14/96	10:43	WD
1,1,2-Trichloroethane	SW8260	1250	12700	03/14/96	10:43	WD
Trichloroethene	SW8260	1250	13100	03/14/96	10:43	WD
Vinyl acetate	SW8260	2500	13600	03/14/96	10:43	WD
Vinyl chloride	SW8260	2500	12300	03/14/96	10:43	WD
Xylenes (Total)	SW8260	1250	54900	03/14/96	10:43	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	112	03/14/96	10:43	WD
sur-Toluene-d8 %R 81-117	SW8260	0	104	03/14/96	10:43	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	101	03/14/96	10:43	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86030

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/14/96	11:11	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	11:11	WD
Acetone	SW8260	2500	11800	03/14/96	11:11	WD
Benzene	SW8260	1250	33800	03/14/96	11:11	WD
Bromodichloromethane	SW8260	1250	12600	03/14/96	11:11	WD
Bromoform	SW8260	1250	12100	03/14/96	11:11	WD
Bromomethane	SW8260	2500	12600	03/14/96	11:11	WD
2-Butanone	SW8260	2500	12600	03/14/96	11:11	WD
Carbon disulfide	SW8260	1250	11100	03/14/96	11:11	WD
Carbon tetrachloride	SW8260	1250	11300	03/14/96	11:11	WD
Chlorobenzene	SW8260	1250	12100	03/14/96	11:11	WD
Chloroethane	SW8260	2500	11000	03/14/96	11:11	WD
2-Chloroethyl vinyl ether	SW8260	2500	Not Det	03/14/96	11:11	WD
Chloroform	SW8260	1250	12500	03/14/96	11:11	WD
Chloromethane	SW8260	2500	11300	03/14/96	11:11	WD
Dibromochloromethane	SW8260	1250	12300	03/14/96	11:11	WD
1,1-Dichloroethane	SW8260	1250	11900	03/14/96	11:11	WD
1,2-Dichloroethane	SW8260	1250	34822	03/14/96	11:11	WD
1,1-Dichloroethene	SW8260	1250	11500	03/14/96	11:11	WD
cis-1,2-Dichloroethene	SW8260	1250	11800	03/14/96	11:11	WD
trans-1,2-Dichloroethene	SW8260	1250	11400	03/14/96	11:11	WD
1,2-Dichloropropane	SW8260	1250	13900	03/14/96	11:11	WD
cis-1,3-Dichloropropene	SW8260	1250	11900	03/14/96	11:11	WD
trans-1,3-Dichloropropene	SW8260	1250	13500	03/14/96	11:11	WD
Ethylbenzene	SW8260	1250	44900	03/14/96	11:11	WD
2-Hexanone	SW8260	2500	17600	03/14/96	11:11	WD
Methylene chloride	SW8260	1250	9710	03/14/96	11:11	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: C2 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86030

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	2500	16400	03/14/96	11:11	WD
Styrene	SW8260	1250	53600	03/14/96	11:11	WD
1,1,2,2-Tetrachloroethane	SW8260	1250	13300	03/14/96	11:11	WD
Tetrachloroethene	SW8260	1250	12300	03/14/96	11:11	WD
Toluene	SW8260	1250	26300	03/14/96	11:11	WD
1,1,1-Trichloroethane	SW8260	1250	11500	03/14/96	11:11	WD
1,1,2-Trichloroethane	SW8260	1250	12600	03/14/96	11:11	WD
Trichloroethene	SW8260	1250	12800	03/14/96	11:11	WD
Vinyl acetate	SW8260	2500	14700	03/14/96	11:11	WD
Vinyl chloride	SW8260	2500	11500	03/14/96	11:11	WD
Xylenes (Total)	SW8260	1250	56000	03/14/96	11:11	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	110	03/14/96	11:11	WD
sur-Toluene-d8 %R 81-117	SW8260	0	104	03/14/96	11:11	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	100	03/14/96	11:11	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86038

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	10:59	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	10:59	WD
Benzene	SW8260	50.0	478	03/13/96	10:59	WD
2-Butanone (MEK)	SW8260	100	316	03/13/96	10:59	WD
Carbon tetrachloride	SW8260	50.0	407	03/13/96	10:59	WD
Chlorobenzene	SW8260	50.0	491	03/13/96	10:59	WD
Chloroform	SW8260	50.0	468	03/13/96	10:59	WD
1,2-Dichloroethane	SW8260	50.0	462	03/13/96	10:59	WD
1,1-Dichloroethene	SW8260	50.0	467	03/13/96	10:59	WD
Tetrachloroethene	SW8260	50.0	477	03/13/96	10:59	WD
Trichloroethene	SW8260	50.0	485	03/13/96	10:59	WD
Vinyl chloride	SW8260	100	423	03/13/96	10:59	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	96	03/13/96	10:59	WD
sur-Toluene-d8 %R 88-110	SW8260	0	97	03/13/96	10:59	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: B3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86038

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	10:59	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86039

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	11:27	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	11:27	WD
Benzene	SW8260	50.0	482	03/13/96	11:27	WD
2-Butanone (MEK)	SW8260	100	280	03/13/96	11:27	WD
Carbon tetrachloride	SW8260	50.0	430	03/13/96	11:27	WD
Chlorobenzene	SW8260	50.0	491	03/13/96	11:27	WD
Chloroform	SW8260	50.0	472	03/13/96	11:27	WD
1,2-Dichloroethane	SW8260	50.0	473	03/13/96	11:27	WD
1,1-Dichloroethene	SW8260	50.0	472	03/13/96	11:27	WD
Tetrachloroethene	SW8260	50.0	472	03/13/96	11:27	WD
Trichloroethene	SW8260	50.0	485	03/13/96	11:27	WD
Vinyl chloride	SW8260	100	433	03/13/96	11:27	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	95	03/13/96	11:27	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/13/96	11:27	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: B3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86039

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	11:27	WD

Remarks:

Signed: _____

James M. G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: VSB0791

BAILEY PROJECT GE3913

Lab ID: AA86023

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Date Sampled: 03/13/96

Time Sampled: 07:29

Log In Date: 03/13/96

Log In Time: 07:29

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	07:39	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/13/96	07:39	WD
Acetone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Benzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromoform	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromomethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
2-Butanone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Carbon disulfide	SW8260	5.00	Not Det	03/13/96	07:39	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chlorobenzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chloroethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/13/96	07:39	WD
Chloroform	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chloromethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/13/96	07:39	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	07:39	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Ethylbenzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
2-Hexanone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Methylene chloride	SW8260	5.00	Not Det	03/13/96	07:39	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: VSB0791

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86023

Collector:

Date Sampled: 03/13/96

Time Sampled: 07:29

Log In Date: 03/13/96

Log In Time: 07:29

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Styrene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Toluene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Trichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Vinyl acetate	SW8260	10.0	Not Det	03/13/96	07:39	WD
Vinyl chloride	SW8260	10.0	Not Det	03/13/96	07:39	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/13/96	07:39	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	90	03/13/96	07:39	WD
sur-Toluene-d8 %R 81-117	SW8260	0	99	03/13/96	07:39	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	101	03/13/96	07:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA86011	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	VSB0791	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION

None Detected

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VSB0793

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86014

Collector:

Date Sampled: 03/14/96

Time Sampled: 09:42

Log In Date: 03/14/96

Log In Time: 09:42

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/14/96	09:42	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/14/96	09:42	WD
Acetone	SW8260	10.0	Not Det	03/14/96	09:42	WD
Benzene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
Bromoform	SW8260	5.00	Not Det	03/14/96	09:42	WD
Bromomethane	SW8260	10.0	Not Det	03/14/96	09:42	WD
2-Butanone	SW8260	10.0	Not Det	03/14/96	09:42	WD
Carbon disulfide	SW8260	5.00	Not Det	03/14/96	09:42	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/14/96	09:42	WD
Chlorobenzene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Chloroethane	SW8260	10.0	Not Det	03/14/96	09:42	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/14/96	09:42	WD
Chloroform	SW8260	5.00	Not Det	03/14/96	09:42	WD
Chloromethane	SW8260	10.0	Not Det	03/14/96	09:42	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/14/96	09:42	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/14/96	09:42	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Ethylbenzene	SW8260	5.00	Not Det	03/14/96	09:42	WD
2-Hexanone	SW8260	10.0	Not Det	03/14/96	09:42	WD
Methylene chloride	SW8260	5.00	Not Det	03/14/96	09:42	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: VSB0793

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86014

Collector:

Date Sampled: 03/14/96

Time Sampled: 09:42

Log In Date: 03/14/96

Log In Time: 09:42

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/14/96	09:42	WD
Styrene	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Toluene	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
Trichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Vinyl acetate	SW8260	10.0	Not Det	03/14/96	09:42	WD
Vinyl chloride	SW8260	10.0	Not Det	03/14/96	09:42	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/14/96	09:42	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	100	03/14/96	09:42	WD
sur-Toluene-d8 %R 81-117	SW8260	0	100	03/14/96	09:42	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	96	03/14/96	09:42	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA86014	Matrix: (soil/water)	SOIL
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	VSB0793	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION

None Detected

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWB0791T

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86007

Collector:

Date Sampled: 03/13/96

Time Sampled: 07:39

Log In Date: 03/13/96

Log In Time: 09:39

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	07:39	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	07:39	WD
Benzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/13/96	07:39	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chlorobenzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chloroform	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Trichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Vinyl chloride	SW8260	10.0	Not Det	03/13/96	07:39	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	90	03/13/96	07:39	WD
sur-Toluene-d8 %R 88-110	SW8260	0	99	03/13/96	07:39	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	07:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWB0793T

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86009

Collector:

Date Sampled: 03/14/96

Time Sampled: 09:42

Log In Date: 03/14/96

Log In Time: 09:42

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/14/96	09:42	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/14/96	09:42	WD
Benzene	SW8260	5.00	Not Det	03/14/96	09:42	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/14/96	09:42	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/14/96	09:42	WD
Chlorobenzene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Chloroform	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/14/96	09:42	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Trichloroethene	SW8260	5.00	Not Det	03/14/96	09:42	WD
Vinyl chloride	SW8260	10.0	Not Det	03/14/96	09:42	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	100	03/14/96	09:42	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/14/96	09:42	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	96	03/14/96	09:42	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: ZHESB8026

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85982

Collector:

Date Sampled: 03/11/96

Time Sampled: 17:00

Log In Date: 03/11/96

Log In Time: 17:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/11/96	17:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/14/96	13:03	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/14/96	13:03	WD
Benzene	SW8260	5.00	Not Det	03/14/96	13:03	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/14/96	13:03	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/14/96	13:03	WD
Chlorobenzene	SW8260	5.00	Not Det	03/14/96	13:03	WD
Chloroform	SW8260	5.00	Not Det	03/14/96	13:03	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/14/96	13:03	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/14/96	13:03	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/14/96	13:03	WD
Trichloroethene	SW8260	5.00	Not Det	03/14/96	13:03	WD
Vinyl chloride	SW8260	10.0	Not Det	03/14/96	13:03	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	95	03/14/96	13:03	WD
sur-Toluene-d8 %R 88-110	SW8260	0	105	03/14/96	13:03	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: ZHESB8026

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85982

Collector:

Date Sampled: 03/11/96

Time Sampled: 17:00

Log In Date: 03/11/96

Log In Time: 17:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	98	03/14/96	13:03	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: ZHESB8028

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86013

Collector:

Date Sampled: 03/12/96

Time Sampled: 16:00

Log In Date: 03/12/96

Log In Time: 16:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/12/96	16:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/14/96	13:30	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/14/96	13:30	WD
Benzene	SW8260	5.00	Not Det	03/14/96	13:30	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/14/96	13:30	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/14/96	13:30	WD
Chlorobenzene	SW8260	5.00	Not Det	03/14/96	13:30	WD
Chloroform	SW8260	5.00	Not Det	03/14/96	13:30	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/14/96	13:30	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/14/96	13:30	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/14/96	13:30	WD
Trichloroethene	SW8260	5.00	Not Det	03/14/96	13:30	WD
Vinyl chloride	SW8260	10.0	Not Det	03/14/96	13:30	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	98	03/14/96	13:30	WD
sur-Toluene-d8 %R 88-110	SW8260	0	103	03/14/96	13:30	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: ZHESB8028

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86013

Collector:

Date Sampled: 03/12/96

Time Sampled: 16:00

Log In Date: 03/12/96

Log In Time: 16:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	108	03/14/96	13:30	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ZHESB8026

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 03/11/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ZHESB8028

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 03/12/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : VSB0793

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : MED
Batch Prep Date : 3/14/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
ZHESB8026	AA85982	3/11/96	SQ	LB
ZHESB8028	AA86013	3/12/96	SQ	LB
VSB0793	AA86014	3/14/96	SQ	LB
VSB0793	AA86015	3/14/96	SQ	BS
C2 MS	AA86029	3/7/96	SQ	MS
C2 MSD	AA86030	3/7/96	SQ	SD
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW8260
initial
Extraction : SW5030
Matrix : SQ
Units : ug/Kg
Neat Sample : AA88178

MS Sample Name : C2 MS
MS LIMS ID : AA86029
MS Extraction : 3/14/96
MS Extraction : 10:43
MS Analysis : 3/14/96
MS Analysis : 10:43

MSD Sample Name : C2 MSD
MSD LIMS ID : AA86030
MSD Extraction : 3/14/96
MSD Extraction : 11:11
MSD Analysis : 3/14/96
MSD Analysis : 11:11

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
1,1,1-Trichloroethane	0	12,500	12,200	98		12,500	11,500	92		6		69	127	40	PR
1,1-Dichloroethene	0	12,500	11,800	94		12,500	11,500	92		3		69	122	40	PR
Benzene	24,700	12,500	34,800	81		12,500	33,800	73		10		68	124	40	PR
Chlorobenzene	0	12,500	12,300	98		12,500	12,100	97		2		73	127	40	PR
Chloroform	0	12,500	13,300	106		12,500	12,500	100		6		63	117	40	PR
Dibromochloromethane	0	12,500	12,000	96		12,500	12,300	98		2		64	120	40	PR
Ethylbenzene	37,100	12,500	43,500	51	*	12,500	44,900	62	*	20		72	125	40	PR
Tetrachloroethene	0	12,500	12,700	102		12,500	12,300	98		4		66	116	40	PR
Toluene	14,800	12,500	26,500	94		12,500	26,300	92		2		73	122	40	PR
Trichloroethene	0	12,500	13,100	105		12,500	12,800	102		3		76	117	40	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8260
initial
Extraction Method : SW5030
Matrix : SQ
Units : ug/Kg

Sample Name : VSB0793
LIMS Sample ID : AA86015
Date of Extraction : 3/14/96
Time of Extraction : 10:08
Date of Analysis : 3/14/96
Time of Analysis : 10:08

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1,1-Trichloroethane	50	50.3	101		69	127	PR
1,1,2,2-Tetrachloroethane	50	47.6	95		73	118	PR
1,1,2-Trichloroethane	50	51.7	103		78	135	PR
1,1-Dichloroethane	50	50.7	101		74	125	PR
1,1-Dichloroethene	50	51.1	102		69	122	PR
1,2-Dichloroethane	50	49.6	99		71	124	PR
1,2-Dichloropropane	50	52.6	105		70	126	PR
2-Butanone	50	46.4	93		35	207	PR
2-Chloroethyl vinyl ether	50	91.5	183		0	192	PR
2-Hexanone	50	51.7	103		57	156	PR
4-Methyl-2-pentanone	50	50.5	101		67	148	PR
Acetone	50	50.4	101		34	221	PR
Benzene	50	49.7	99		68	124	PR
Bromodichloromethane	50	51	102		68	124	PR
Bromoform	50	45.4	91		71	131	PR
Bromomethane	50	52.5	105		67	124	PR
Carbon disulfide	50	49.8	100		63	133	PR
Carbon tetrachloride	50	48	96		62	109	PR
Chlorobenzene	50	48.3	97		73	127	PR
Chloroethane	50	48.7	97		71	116	PR
Chloroform	50	49.7	99		63	117	PR
Chloromethane	50	49.1	98		65	121	PR
Dibromochloromethane	50	50	100		64	120	PR
Ethylbenzene	50	49	98		72	125	PR
Methylene chloride	50	52.9	106		67	124	PR
Styrene	50	48.7	97		72	123	PR
Tetrachloroethene	50	50.4	101		66	116	PR
Toluene	50	51.4	103		73	122	PR
Trichloroethene	50	52.8	106		76	117	PR
Vinyl acetate	50	48.3	97		3	175	PR
Vinyl chloride	50	49.7	99		69	127	PR
Xylenes (Total)	150	145	97		71	123	PR
cis-1,2-Dichloroethene	50	49.7	99		71	131	PR
cis-1,3-Dichloropropene	50	49.3	99		53	149	PR
trans-1,2-Dichloroethene	50	48.7	97		69	120	PR
trans-1,3-Dichloropropene	50	53.7	107		48	158	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : VSB0791

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : MED
Batch Prep Date : 3/13/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
VSB0791	AA86023	3/13/96	SQ	LB
VSL0791	AA86024	3/13/96	SQ	BS
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N

LCS : SW8260
initial
Extraction Method : SW5030
Matrix : SQ
Units : ug/Kg

Sample Name : VSL0791
LIMS Sample ID : AA86024
Date of Extraction : 3/13/96
Time of Extraction : 08:06
Date of Analysis : 3/13/96
Time of Analysis : 08:06

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1,1-Trichloroethane	50	48.8	98		69	127	PR
1,1,2,2-Tetrachloroethane	50	50.7	101		73	118	PR
1,1,2-Trichloroethane	50	50.4	101		78	135	PR
1,1-Dichloroethane	50	49.7	99		74	125	PR
1,1-Dichloroethene	50	49.9	100		69	122	PR
1,2-Dichloroethane	50	49	98		71	124	PR
1,2-Dichloropropane	50	50.1	100		70	126	PR
2-Butanone	50	50.7	101		35	207	PR
2-Chloroethyl vinyl ether	50	7.11	14		0	192	PR
2-Hexanone	50	54.7	109		57	156	PR
4-Methyl-2-pentanone	50	53.3	107		67	148	PR
Acetone	50	51.3	103		34	221	PR
Benzene	50	49.2	98		68	124	PR
Bromodichloromethane	50	51.3	103		68	124	PR
Bromoform	50	49.3	99		71	131	PR
Bromomethane	50	50.6	101		67	124	PR
Carbon disulfide	50	49.5	99		63	133	PR
Carbon tetrachloride	50	46.2	92		62	109	PR
Chlorobenzene	50	49.4	99		73	127	PR
Chloroethane	50	48.3	97		71	116	PR
Chloroform	50	50.5	101		63	117	PR
Chloromethane	50	52.4	105		65	121	PR
Dibromochloromethane	50	47.9	96		64	120	PR
Ethylbenzene	50	49.3	99		72	125	PR
Methylene chloride	50	53.1	106		67	124	PR
Styrene	50	49.4	99		72	123	PR
Tetrachloroethene	50	49.6	99		66	116	PR
Toluene	50	48.6	97		73	122	PR
Trichloroethene	50	50.5	101		76	117	PR
Vinyl acetate	50	51.8	104		3	175	PR
Vinyl chloride	50	51.4	103		69	127	PR
Xylenes (Total)	150	153	102		71	123	PR
cis-1,2-Dichloroethene	50	49.6	99		71	131	PR
cis-1,3-Dichloropropene	50	44.4	89		53	149	PR
trans-1,2-Dichloroethene	50	49.2	98		69	120	PR
trans-1,3-Dichloropropene	50	52.1	104		48	158	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : VWB0791T

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
VWB0791T	AA86007	3/13/96	WQ	LB
VWL0791T	AA86008	3/13/96	WQ	BS
B3 MS	AA86038	3/7/96	SQ	MS
B3 MSD	AA86039	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW8260
Initial
Extraction : 000000
Matrix : SQ
Units : ug/L
Neat Sample : AA88183

MS Sample Name : B3 MS
MS LIMS ID : AA86038
MS Extraction : 3/13/96
MS Extraction : 10:59
MS Analysis : 3/13/96
MS Analysis : 10:59

MSD Sample Name : B3 MSD
MSD LIMS ID : AA86039
MSD Extraction : 3/13/96
MSD Extraction : 11:27
MSD Analysis : 3/13/96
MSD Analysis : 11:27

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
1,1-Dichloroethene	0	500	467	93		500	472	94		1		69	122	40	PR
Benzene	25.4	500	478	91		500	482	91		1		68	124	40	PR
Chlorobenzene	0	500	491	98		500	491	98		0		73	127	40	PR
Chloroform	0	500	468	94		500	472	94		1		63	117	40	PR
Tetrachloroethene	0	500	477	95		500	472	94		1		66	116	40	PR
Trichloroethene	0	500	485	97		500	485	97		0		76	117	40	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8260
initial

Extraction Method : 000000

Matrix : WQ

Units : ug/L

Sample Name : VWL0791T

LIMS Sample ID : AA86008

Date of Extraction : 3/13/96

Time of Extraction : 08:06

Date of Analysis : 3/13/96

Time of Analysis : 08:06

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1-Dichloroethene	50	49.9	100		69	122	PR
1,2-Dichloroethane	50	49	98		71	124	PR
2-Butanone (MEK)	50	50.7	101		35	207	PR
Benzene	50	49.2	98		68	124	PR
Carbon tetrachloride	50	46.2	92		62	109	PR
Chlorobenzene	50	49.4	99		73	127	PR
Chloroform	50	50.5	101		63	117	PR
Tetrachloroethene	50	49.6	99		66	116	PR
Trichloroethene	50	50.5	101		76	117	PR
Vinyl chloride	50	51.4	103		69	127	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: VSL0793

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86015

Collector:

Date Sampled: 03/14/96

Time Sampled: 10:08

Log In Date: 03/14/96

Log In Time: 10:08

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/14/96	10:08	MF
622-8260 5mL Volatiles 6 ug/Kg	SW8260		_TITLE_	03/14/96	10:08	WD
Acetone	SW8260	10.0	50.4	03/14/96	10:08	WD
Benzene	SW8260	5.00	49.7	03/14/96	10:08	WD
Bromodichloromethane	SW8260	5.00	51.0	03/14/96	10:08	WD
Bromoform	SW8260	5.00	45.4	03/14/96	10:08	WD
Bromomethane	SW8260	10.0	52.5	03/14/96	10:08	WD
2-Butanone	SW8260	10.0	46.4	03/14/96	10:08	WD
Carbon disulfide	SW8260	5.00	49.8	03/14/96	10:08	WD
Carbon tetrachloride	SW8260	5.00	48.0	03/14/96	10:08	WD
Chlorobenzene	SW8260	5.00	48.3	03/14/96	10:08	WD
Chloroethane	SW8260	10.0	48.7	03/14/96	10:08	WD
2-Chloroethyl vinyl ether	SW8260	10.0	91.5	03/14/96	10:08	WD
Chloroform	SW8260	5.00	49.7	03/14/96	10:08	WD
Chloromethane	SW8260	10.0	49.1	03/14/96	10:08	WD
Dibromochloromethane	SW8260	5.00	50.0	03/14/96	10:08	WD
1,1-Dichloroethane	SW8260	5.00	50.7	03/14/96	10:08	WD
1,2-Dichloroethane	SW8260	5.00	49.6	03/14/96	10:08	WD
1,1-Dichloroethene	SW8260	5.00	51.1	03/14/96	10:08	WD
cis-1,2-Dichloroethene	SW8260	5.00	49.7	03/14/96	10:08	WD
trans-1,2-Dichloroethene	SW8260	5.00	48.7	03/14/96	10:08	WD
1,2-Dichloropropane	SW8260	5.00	52.6	03/14/96	10:08	WD
cis-1,3-Dichloropropene	SW8260	5.00	49.3	03/14/96	10:08	WD
trans-1,3-Dichloropropene	SW8260	5.00	53.7	03/14/96	10:08	WD
Ethylbenzene	SW8260	5.00	49.0	03/14/96	10:08	WD
2-Hexanone	SW8260	10.0	51.7	03/14/96	10:08	WD
Methylene chloride	SW8260	5.00	52.9	03/14/96	10:08	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Station ID: VSL0793

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86015

Collector:

Date Sampled: 03/14/96

Time Sampled: 10:08

Log In Date: 03/14/96

Log In Time: 10:08

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	50.5	03/14/96	10:08	WD
Styrene	SW8260	5.00	48.7	03/14/96	10:08	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	47.6	03/14/96	10:08	WD
Tetrachloroethene	SW8260	5.00	50.4	03/14/96	10:08	WD
Toluene	SW8260	5.00	51.4	03/14/96	10:08	WD
1,1,1-Trichloroethane	SW8260	5.00	50.3	03/14/96	10:08	WD
1,1,2-Trichloroethane	SW8260	5.00	51.7	03/14/96	10:08	WD
Trichloroethene	SW8260	5.00	52.8	03/14/96	10:08	WD
Vinyl acetate	SW8260	10.0	48.3	03/14/96	10:08	WD
Vinyl chloride	SW8260	10.0	49.7	03/14/96	10:08	WD
Xylenes (Total)	SW8260	5.00	145	03/14/96	10:08	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	101	03/14/96	10:08	WD
sur-Toluene-d8 %R 81-117	SW8260	0	102	03/14/96	10:08	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	99	03/14/96	10:08	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000286

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: VSL0791

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86024

Collector:

Date Sampled: 03/13/96

Time Sampled: 08:06

Log In Date: 03/13/96

Log In Time: 08:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	08:06	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/13/96	08:06	WD
Acetone	SW8260	10.0	51.3	03/13/96	08:06	WD
Benzene	SW8260	5.00	49.2	03/13/96	08:06	WD
Bromodichloromethane	SW8260	5.00	51.3	03/13/96	08:06	WD
Bromoform	SW8260	5.00	49.3	03/13/96	08:06	WD
Bromomethane	SW8260	10.0	50.6	03/13/96	08:06	WD
2-Butanone	SW8260	10.0	50.7	03/13/96	08:06	WD
Carbon disulfide	SW8260	5.00	49.5	03/13/96	08:06	WD
Carbon tetrachloride	SW8260	5.00	46.2	03/13/96	08:06	WD
Chlorobenzene	SW8260	5.00	49.4	03/13/96	08:06	WD
Chloroethane	SW8260	10.0	48.3	03/13/96	08:06	WD
2-Chloroethyl vinyl ether	SW8260	10.0	7.11 J	03/13/96	08:06	WD
Chloroform	SW8260	5.00	50.5	03/13/96	08:06	WD
Chloromethane	SW8260	10.0	52.4	03/13/96	08:06	WD
Dibromochloromethane	SW8260	5.00	47.9	03/13/96	08:06	WD
1,1-Dichloroethane	SW8260	5.00	49.7	03/13/96	08:06	WD
1,2-Dichloroethane	SW8260	5.00	49.0	03/13/96	08:06	WD
1,1-Dichloroethene	SW8260	5.00	49.9	03/13/96	08:06	WD
cis-1,2-Dichloroethene	SW8260	5.00	49.6	03/13/96	08:06	WD
trans-1,2-Dichloroethene	SW8260	5.00	49.2	03/13/96	08:06	WD
1,2-Dichloropropane	SW8260	5.00	50.1	03/13/96	08:06	WD
cis-1,3-Dichloropropene	SW8260	5.00	44.4	03/13/96	08:06	WD
trans-1,3-Dichloropropene	SW8260	5.00	52.1	03/13/96	08:06	WD
Ethylbenzene	SW8260	5.00	49.3	03/13/96	08:06	WD
2-Hexanone	SW8260	10.0	54.7	03/13/96	08:06	WD
Methylene chloride	SW8260	5.00	53.1	03/13/96	08:06	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: VSL0791

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86024

Collector:

Date Sampled: 03/13/96

Time Sampled: 08:06

Log In Date: 03/13/96

Log In Time: 08:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	53.3	03/13/96	08:06	WD
Styrene	SW8260	5.00	49.4	03/13/96	08:06	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	50.7	03/13/96	08:06	WD
Tetrachloroethene	SW8260	5.00	49.6	03/13/96	08:06	WD
Toluene	SW8260	5.00	48.6	03/13/96	08:06	WD
1,1,1-Trichloroethane	SW8260	5.00	48.8	03/13/96	08:06	WD
1,1,2-Trichloroethane	SW8260	5.00	50.4	03/13/96	08:06	WD
Trichloroethene	SW8260	5.00	50.5	03/13/96	08:06	WD
Vinyl acetate	SW8260	10.0	51.8	03/13/96	08:06	WD
Vinyl chloride	SW8260	10.0	51.4	03/13/96	08:06	WD
Xylenes (Total)	SW8260	5.00	153	03/13/96	08:06	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	91	03/13/96	08:06	WD
sur-Toluene-d8 %R 81-117	SW8260	0	101	03/13/96	08:06	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	100	03/13/96	08:06	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWL0791T

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86008

Collector:

Date Sampled: 03/13/96

Time Sampled: 08:06

Log In Date: 03/13/96

Log In Time: 08:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/13/96	08:06	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/13/96	08:06	WD
Benzene	SW8260	5.00	49.2	03/13/96	08:06	WD
2-Butanone (MEK)	SW8260	10.0	50.7	03/13/96	08:06	WD
Carbon tetrachloride	SW8260	5.00	46.2	03/13/96	08:06	WD
Chlorobenzene	SW8260	5.00	49.4	03/13/96	08:06	WD
Chloroform	SW8260	5.00	50.5	03/13/96	08:06	WD
1,2-Dichloroethane	SW8260	5.00	49.0	03/13/96	08:06	WD
1,1-Dichloroethene	SW8260	5.00	49.9	03/13/96	08:06	WD
Tetrachloroethene	SW8260	5.00	49.6	03/13/96	08:06	WD
Trichloroethene	SW8260	5.00	50.5	03/13/96	08:06	WD
Vinyl chloride	SW8260	10.0	51.4	03/13/96	08:06	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	91	03/13/96	08:06	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/13/96	08:06	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	08:06	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWL0793T

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86010

Collector:

Date Sampled: 03/14/96

Time Sampled: 10:08

Log In Date: 03/14/96

Log In Time: 10:08

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/14/96	10:08	WD
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/14/96	10:08	WD
Benzene	SW8260	5.00	49.7	03/14/96	10:08	WD
2-Butanone (MEK)	SW8260	10.0	46.4	03/14/96	10:08	WD
Carbon tetrachloride	SW8260	5.00	48.0	03/14/96	10:08	WD
Chlorobenzene	SW8260	5.00	48.3	03/14/96	10:08	WD
Chloroform	SW8260	5.00	49.7	03/14/96	10:08	WD
1,2-Dichloroethane	SW8260	5.00	49.6	03/14/96	10:08	WD
1,1-Dichloroethene	SW8260	5.00	51.1	03/14/96	10:08	WD
Tetrachloroethene	SW8260	5.00	50.4	03/14/96	10:08	WD
Trichloroethene	SW8260	5.00	52.8	03/14/96	10:08	WD
Vinyl chloride	SW8260	10.0	49.7	03/14/96	10:08	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	101	03/14/96	10:08	WD
sur-Toluene-d8 %R 88-110	SW8260	0	102	03/14/96	10:08	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/14/96	10:08	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 02B88173

Lab File ID (Standard): 34446

Date Analyzed: 03/13/96

Instrument ID: VOA-1

Time Analyzed: 07:11

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	52276		5.16		326947		7.51		263623		13.55	
	UPPER LIMIT	104552		5.66		653894		8.01		527246		14.05	
	LOWER LIMIT	26138		4.66		163474		7.01		131812		13.05	
	EPA SAMPLE NO												
1	VSB0791	55068		5.15		314694		7.53		248853		13.55	
2	VSL0791	52022		5.16		325904		7.52		258636		13.56	
3	B1	53366		5.11		326015		7.49		261639		13.55	
4	D2	56000		5.10		314419		7.48		269276		13.55	
5													
6													
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20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vs34446a

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 02B88173

Lab File ID (Standard): 34479

Date Analyzed: 03/14/96

Instrument ID: VOA-1

Time Analyzed: 09:14

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	60756		5.15		371858		7.50		279905		13.55	
	UPPER LIMIT	121512		5.65		743716		8.00		559810		14.05	
	LOWER LIMIT	30378		4.65		185929		7.00		139953		13.05	
	EPA SAMPLE NO												
1	VSB0793	56036		5.17		347811		7.54		264530		13.55	
2	VSL0793	57504		5.12		346596		7.49		276698		13.55	
3	C2	53501		5.14		349149		7.50		268711		13.56	
4	F2	55603		5.16		345164		7.51		274052		13.56	
5	E1	57578		5.15		350854		7.51		291465		13.55	
6	C2 MS	59041		5.12		365534		7.49		284792		13.56	
7	C2 MSD	59901		5.12		353481		7.50		278273		13.55	
8													
9													
10													
11													
12													
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18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = 50%
of internal standard area.

Column used to flag internal standard area values with an astérisk

vs34479

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 02B88173

Lab File ID (Standard): 34446

Date Analyzed: 03/13/96

Instrument ID: VOA-1

Time Analyzed: 07:11

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	52276		5.16		326947		7.51		263623		13.55	
	UPPER LIMIT	104552		5.66		653894		8.01		527246		14.05	
	LOWER LIMIT	26138		4.66		163474		7.01		131812		13.05	
	EPA SAMPLE NO												
1	VWB0791T	55068		5.15		314694		7.53		248853		13.55	
2	VWL0791T	52022		5.16		325904		7.52		258636		13.56	
3	B1	55939		5.16		317871		7.53		257738		13.55	
4	D1	56253		5.18		335655		7.54		266805		13.55	
5	D3	58364		5.16		336117		7.52		264604		13.56	
6	D2	57567		5.17		306549		7.53		253699		13.54	
7	F3	54442		5.15		312153		7.53		252465		13.55	
8	C2	55338		5.14		326122		7.52		258909		13.55	
9	B2	55032		5.17		302564		7.52		250494		13.57	
10	F2	60390		5.18		343116		7.52		271171		13.57	
11	F1	58341		5.18		336843		7.52		269295		13.55	
12	F4	54395		5.14		305480		7.53		246356		13.55	
13	B3	54696		5.17		335714		7.54		266761		13.54	
14	E2	54532		5.15		341179		7.53		262704		13.57	
15	E1	52526		5.18		323197		7.52		263921		13.56	
16	B3 MS	64192		5.14		370350		7.52		299263		13.57	
17	B3 MSD	61106		5.15		361045		7.52		286603		13.57	
18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vs34446

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 02B88173

Lab File ID (Standard): 34479

Date Analyzed: 03/14/96

Instrument ID: VOA-1

Time Analyzed: 09:14

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	60756		5.15		371858		7.50		279905		13.55	
	UPPER LIMIT	121512		5.65		743716		8.00		559810		14.05	
	LOWER LIMIT	30378		4.65		185929		7.00		139953		13.05	
	EPA SAMPLE NO												
1	VWB0793T	56036		5.17		347811		7.54		264530		13.55	
2	VWL0793T	57504		5.12		346596		7.49		276698		13.55	
3	ZHEBLK8026	59823		5.16		353950		7.53		287803		13.55	
4	ZHEBLK8028	60266		5.16		344703		7.53		282726		13.57	
5													
6													
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18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vis34479

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

OPREP - TCLP KOH

Page 1 of 1

294

Client: Bailey

Case: GE-3913

Form Initiated 03/11/96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
07-13	X	BC	1311	—	—	—	O-Prep	3/13/96	0930	X-Y
07-13	X	WHA	TCLP	C-Prep	3/13/96	04:35	GC/MS VOA	3/13/96	04:35	X-Y

Y=Yes/N=No

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11: AA88183
02: AA88174	12: AA88184
03: AA88175	13: AA88185
04: AA88176	14:
05: AA88177	15:
06: AA88178	16:
07: AA88179	17:
08: AA88180	18:
09: AA88181	19:
10: AA88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

OPBEP - TCLP VOA

Client: Bailey

Case: GE-3913

Form Initiated 03/ 11 / 96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-06	X	RC	1311				O-Prep	3/12/96	1030	X-V
01-06	SX	BOH	9214-TCLP	O-Prep	3/12/96	10:50	6 GC/MS-4	3/12/96	10:50	X-N

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11: AA88183
02: AA88174	12: AA88184
03: AA88175	13: AA88185
04: AA88176	14:
05: AA88177	15:
06: AA88178	16:
07: AA88179	17:
08: AA88180	18:
09: AA88181	19:
10: AA88182	20:

COMMENTS

ZHE PREP SHEET

LENL-Pensacola, FL

Run Log # STC-8026

Technician: X

Extraction Information:

Begin Date: 3 / 11 / 96 Time: 1700

End Date: 3 / 12 / 96 Time: 1030

4ST, BAILEY
SDG: 88173

DV:031894

Page 1 of 1

Fluid #1 Ref: pH: 4.94

Sample ID	Pressure(psi) B	Pressure(psi) A	Wgt. of Sample Extr.	Wgt. of Fluid	Amount of Fluid Collected	Final pH	Comments
BLK-8026	30		—	200g	120mL	5	AA85982
AA88145			10.00			5	
AA88164			10.03			5	Filter Broke
AA88173			10.30			5	
AA88174			10.35			5	Filter Broken
AA88175			10.12			5	
AA88176			10.19			5	
AA88177			10.11			5	
AA88178			10.07	200g	120mL	5	

002296

ZHE PREP SHEET

BAILEY SDG# - 88173

LENL-Pensacola, FL

DV:031894

Run Log # SIC- 8028

Page 1 of 1

Technician: [illegible]

Extraction Information:

Begin Date: 3 / 12 / 96 Time: 1600

End Date: 3 / 13 / 96 Time: 0930

Fluid #1 Ref: pH: 4.90

Sample ID	Pressure(psi) B	Pressure(psi) A	Wgt. of Sample Extr.	Wgt. of Fluid	Amount of Fluid Collected	Final pH	Comments
BLK - 8028	30	30	—	200g	120 mL	5	AA86013 ~~AA86007~~ PH
88179	30	30	10.16			5	Filter Broke After 1st Vial Collected
88180	30	29	10.39			5	
88181	30	30	10.23			5	
88182	30	30	10.07			5	
88183	30	30	10.16			5	
88184	30	30	10.26			5	Filter Broke
88185	30	30	10.28	200g	120 mL	5	

000297

VAFIW2 000298

[redacted]

Operator WW Date 12 / 7 / 95 Client(s) CURVE SDG: _____

GC Program CRYO1 _____ 35 HOLD 6 MIN.: THEN 7/MIN TO 115; HOLD 0 MIN.: THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID1AFW, TOICLV SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP 33 OVM/5 Acquisition Cm: D4 STDS: ISSS* VSTD*

Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
2	> 33992		BFB	2	5ul/50ng BFB	Daily Tune Scan # 377 Area = 112 K		✓	Time 7:50
3	>		Cont. Calib.	3	50 PPB	VS.			
4	> 33993			4	4			✓	✓
5	> 33994			5	10			✓	✓
6	> 33995			6	20	VAFIW2		✓	✓
7	> 33996			7	50	VOAIW1		✓	✓
8	> 33997			8	100			✓	✓
9	> 33998			9	150			✓	✓
10	> 33999			10	200			✓	✓
11	> 34000			11					
12	>								
13	>								
14	>								
15	>								
16	>								
17	>								
18	>								
19	>								
20	>								
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SIGNED Walter L. Dry COSIGNED Melissa Chevington

_____ ARCHIVED _____ TIC's _____ EXTENDED REPORTS

0071

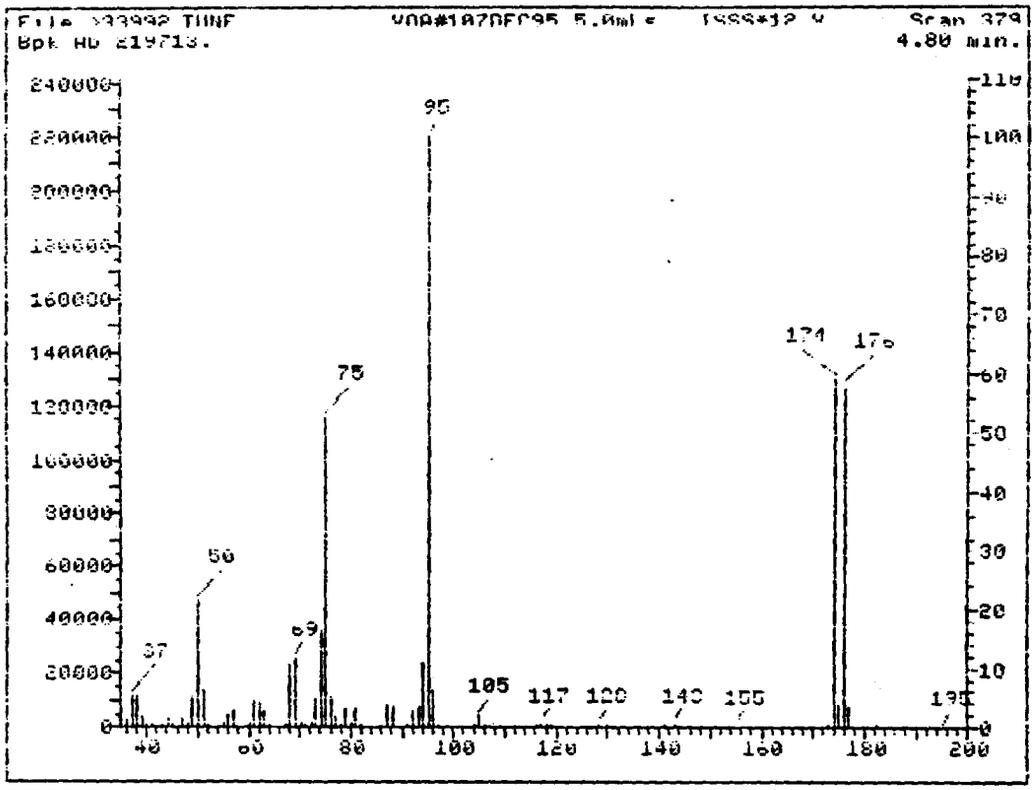
VAFIWZ 000295

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	21.55	21.55	Ok
75	30-60% of mass 95	52.69	52.69	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.24	6.24	Ok
173	Less than 2% of mass 174	.56	.95	Ok
174	Greater than 50% of mass 95	59.00	59.00	Ok
175	5-9% of mass 174	4.11	6.97	Ok
176	95-101% of mass 174	57.93	98.18	Ok
177	5-9% of mass 176	3.63	6.26	Ok

Injection Date: 12/07/95
Injection Time: 07:50
Data File: >33992
Scan: 379

:RU.AL..1



VAFIW2 000370

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE N

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

Contract No:

VAFIW2

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Laboratory ID:	>33993	>33994	>33995	>33996	>33997	>33998	>33999						
Compound	RF 4.00	RF 10.00	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
Dichlorodifluoromethane	2.11460	2.31273	2.47780	2.46919	2.33219	2.53379	2.36336	.337	2.37195	5.918	.998757		
Chloromethane	1.83359	1.58784	1.47759	1.56106	1.46862	1.50970	1.39046	.389	1.43269	13.085	.998345		**
Vinyl Chloride	1.29069	1.62762	1.53713	1.45532	1.39960	1.48444	1.35815	.334	1.44928	7.879	.998092	*	
Bromomethane	1.80253	1.26802	1.31306	1.32557	1.25964	1.33910	1.24253	.373	1.24892	9.194	.998733		
Chloroethane	.69298	1.26073	1.34775	1.31853	1.25655	1.30361	1.18738	.392	1.19536	19.033	.997941		
Trichlorofluoromethane	4.48812	4.46520	3.87480	3.78158	3.46693	3.78206	3.55424	.418	3.91613	10.421	.998828		
Acetone	.91455	.72762	.49056	.50632	.47865	.48763	.39677	.503	.57173	31.857	.989948		
Carbon Disulfide	6.56886	6.10534	5.30560	4.97048	4.71196	5.06262	4.69366	.526	5.34550	13.495	.998710		
1,1-Dichloroethene	1.95579	1.94408	1.81035	1.74615	1.66286	1.77044	1.66231	.489	1.78571	6.124	.999087	*	
Methylene Chloride	1.73160	1.75798	1.56266	1.56065	1.55416	1.60782	1.51822	.582	1.61330	5.816	.999324		
trans-1,2-Dichloroethene	2.49368	2.26856	1.99128	1.87396	1.78708	1.93368	1.82811	.640	2.02519	12.855	.999057		
1,1-Dichloroethane	4.23843	4.12426	3.79765	3.58209	3.42651	3.67399	3.45465	.741	3.75680	8.462	.999065		**
Vinyl Acetate	4.95043	4.40634	3.89275	3.48608	3.45504	3.43530	3.13201	.767	3.82256	16.863	.998045		
cis-1,2-Dichloroethene	2.22832	2.50812	2.06500	2.06842	1.93448	2.04063	1.94989	.916	2.11355	9.412	.999419		
2,2-Dichloropropane	4.40489	3.86908	3.51449	3.34350	3.17751	3.33848	3.03101	.912	3.52556	13.330	.998107		
2-Butanone	1.18662	.82185	.74378	.65363	.63327	.56819	.52850	.937	.73441	30.403	.996549		
Chloroform	5.61431	5.11510	4.40992	4.30335	4.06777	4.27197	4.02547	1.043	4.54399	13.073	.999247	*	
1,1,1-Trichloroethane	5.35832	5.07122	4.27277	4.16779	3.93100	4.22462	3.95580	1.098	4.42593	12.655	.998942		
1,1-Dichloropropene	4.03854	3.86509	3.40196	3.33289	3.12837	3.35156	3.12368	1.170	3.46316	10.230	.998860		
Carbon Tetrachloride	2.90325	2.99061	3.37324	3.31110	3.35718	3.61531	3.41997	1.167	3.28152	7.601	.999136		
Benzene	7.29975	6.95872	5.90980	5.85237	5.60773	6.01045	5.64830	1.259	6.18387	10.806	.999049		
1,2-Dichloroethane-d4	2.24363	2.24824	2.27850	2.35429	2.42458	2.58380	2.52632	1.245	2.37991	5.737	-		
1,2-Dichloroethane	2.81778	3.01072	2.26971	2.59875	2.51994	2.63116	2.50164	1.277	2.62139	9.069	.999324		
Trichloroethene	.51006	.49815	.44148	.41357	.40216	.41615	.40906	1.068	.44152	10.101	.999828		
1,2-Dichloropropane	.42735	.38051	.35263	.34372	.33822	.33942	.34088	1.128	.36039	9.159	.999978	*	
Bromodichloromethane	.81044	.77529	.65372	.63074	.61044	.63055	.64066	1.223	.67883	11.728	.999642		
Dibromomethane	.22252	.30029	.25848	.25340	.25740	.25965	.25668	1.165	.25835	8.759	.999921		
2-Chloroethyl vinyl ether	-	.05537	.18751	.11418	.09751	.11437	.12451	1.327	.10224	24.087	.994459		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE W

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

Contract No:

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Compound	Laboratory ID: >33993 RF 4.00	>33994 RF 10.00	>33995 RF 20.00	>33996 RF 50.00	>33997 RF 100.00	>33998 RF 150.00	>33999 RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
cis-1,3-Dichloropropene	.65265	.62618	.55290	.52844	.51698	.52654	.53471	1.351	.56261	9.618	.999796		
trans-1,3-Dichloropropene	.50803	.47750	.43054	.40124	.39848	.40288	.40776	1.515	.43235	10.063	.999866		
Dibromochloromethane	.54640	.51272	.46137	.44079	.44140	.45027	.46176	1.661	.47353	8.525	.999646		
1,1,2-Trichloroethane	.17667	.24896	.23321	.22392	.22484	.22543	.22335	1.560	.22234	9.942	.999950		
Tetrachloroethene	.49008	.44587	.39358	.38312	.37457	.39379	.40451	1.585	.41222	10.005	.999268		
Toluene	.91351	.80242	.69232	.65744	.62990	.66386	.65118	1.436	.71579	14.520	.999656	*	
Toluene-d8	1.04722	1.04401	1.05236	1.05746	1.05469	1.05953	1.05634	1.418	1.05309	.536	-		
4-Methyl-2-pentanone	.45384	.39103	.35896	.31157	.31377	.29096	.28393	1.412	.34344	17.983	.999129		
2-Hexanone	.37681	.30127	.29058	.27068	.25252	.23597	.22791	1.648	.27939	18.150	.998776		
1,3-Dichloropropane	.52619	.52311	.46046	.43298	.42780	.42229	.42697	1.600	.45997	9.980	.999944		
1,2-Dibromoethane	.30942	.35686	.32321	.32172	.32801	.32956	.33064	1.678	.32868	4.389	.999964		
Chlorobenzene	1.23853	1.15349	.98190	.94009	.94029	.94966	.95746	1.003	1.02306	11.875	.999887		**
1,1,1,2-Tetrachloroethane	.51149	.52131	.45492	.44735	.44494	.44960	.45877	1.021	.46977	6.878	.999806		
Ethylbenzene	2.58851	2.36946	1.98892	1.93307	1.87881	1.67037	1.41675	1.027	1.97798	20.091	.988211	*	
m&p-Xylene	.84467	.79205	.67828	.66030	.63964	.66642	.60423	1.046	.69794	12.458	.998043		
Styrene	1.20117	1.14678	1.02542	1.00337	.98422	1.00259	.97842	1.107	1.04885	8.410	.999879		
Xylene(Total)	.80738	.76739	.65338	.63954	.61838	.64118	.59952	1.046	.67522	11.758	.999105		
Bromoform	.29071	.32669	.30530	.30482	.31742	.31942	.31818	1.130	.31179	3.901	.999942		**
Bromofluorobenzene	.78943	.78919	.79576	.82711	.81920	.80830	.80329	1.181	.80461	1.816	-		
Isopropylbenzene(Cumene)	.42078	.48649	.44187	.43551	.42299	.43651	.43913	1.162	.44047	4.953	.999822		
Bromobenzene	1.19031	1.15001	.96025	.91511	.89201	.89973	.87694	1.197	.98348	13.287	.999874		
1,2,3-Trichloropropane	.38832	.39489	.37567	.33194	.34462	.31607	.31327	1.213	.35211	9.677	.999059		
1,1,2,2-Tetrachloroethane	.48706	.51289	.46033	.44542	.45198	.43928	.42297	1.214	.45998	6.647	.999464		**
n-Propylbenzene	5.48193	4.94195	4.20434	4.06338	3.48559	2.67790	2.17006	1.227	3.86074	30.565	.962114		
1,3,5-Trimethylbenzene	2.24806	2.06370	1.77305	1.73351	1.70136	1.57545	1.30484	1.254	1.77131	17.489	.987977		
2-Chlorotoluene	.42410	.44767	.38884	.39004	.37366	.38212	.38332	1.230	.39854	6.759	.999880		
4-Chlorotoluene	.44287	.48094	.41457	.42222	.41661	.42994	.42590	1.247	.43318	5.302	.999872		
tert-Butylbenzene	2.09645	1.91041	1.64159	1.61940	1.55769	1.57779	1.40329	1.300	1.68666	13.975	.996883		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAFIW2 000302

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE W

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

Contract No:

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Laboratory ID:	>33993	>33994	>33995	>33996	>33997	>33998	>33999						
	RF	RF	RF	RF	RF	RF	RF						
Compound	4.00	10.00	20.00	50.00	100.00	150.00	200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
1,2,4-Trimethylbenzene	2.13737	2.02750	1.69889	1.66563	1.60472	1.49150	1.26799	1.307	1.69908	17.639	.990902		
sec-Butylbenzene	3.11855	2.88011	2.47479	2.41703	2.14558	1.75081	1.41378	1.331	2.31438	25.926	.971614		
4-Isopropyltoluene	2.32520	2.13123	1.81576	1.84324	1.74606	1.48906	1.22218	1.352	1.79610	20.596	.980238		
1,3-Dichlorobenzene	.94806	.88594	.73702	.75083	.73764	.73905	.81116	1.338	.80138	10.614	.997799		
1,4-Dichlorobenzene	1.04388	1.00138	.88921	.88387	.88280	.90196	.91308	1.350	.93077	6.967	.999819		
n-Butylbenzene	2.60490	2.34856	2.04006	2.06557	1.80623	1.46590	1.18264	1.396	1.93055	25.468	.970045		
1,2-Dichlorobenzene	.85403	.79896	.69741	.67554	.69507	.69707	.71048	1.389	.73265	9.123	.999803		
1,2-Dibromo-3-Chloropropane	-	.05965	.06998	.06934	.07659	.07374	.07116	1.465	.07008	8.226	.998961		
1,2,4-Trichlorobenzene	.57099	.53093	.46539	.45756	.46351	.46185	.47030	1.532	.48853	9.080	.999862		
Hexachlorobutadiene	.42163	.37499	.32319	.34123	.34061	.35265	.36297	1.549	.35961	8.916	.999462		
Naphthalene	1.06387	.80147	.77779	.71543	.74886	.72566	.69976	1.551	.79029	15.870	.999463		
1,2,3-Trichlorobenzene	.50830	.44010	.40140	.39249	.40580	.40913	.41151	1.572	.42410	9.420	.999891		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAF1W2/34445 000303

GC/MS VOA #1 Log Book

LENL-Pensacola, Fl. DV:031494

Operator [illegible] Date 3 / 13 / 96 Client(s) Bailey, UST1880 6/1880 SDG: 88173

GC Program CRYO1 _____ 35 HOLD 6 MIN.; THEN 7/MIN TO 115; HOLD 0 MIN.: 88174

THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID 1AF W

SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP___ Acquisition Cm: D 2 STDS: ISSS* 12 Z

VSTD* 03 I

Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
2	> 34445		BFB	2	5ul/50ng BFB	Daily Tune Scan # 388 Area = 124652		✓	Time 06:44
3	> 34446		Cont. Calib.	3	50 PPB	VS. : VAF1W2		✓	✓
4	> 34447	VWB0791		4	5.0 ml	Daily Blank		✓	✓
5	> 34448	VWL0791		5	↓	LCS		✓	✓
6	> 34449	B1	AA88173	6	100 µl	125X Waste Dil.		✓	✓
7	> 34450	D2	AA88176	7				✓	✓
8	> 34451	C2	AA88178	8		rerun @ 50 µl		NO	✓
9	> 34452	F2	AA88180	9		rerun @ 50 µl (125X)		NO	
10	> 34453	E1	AA88185	10	↓	rerun @ 50 µl		NO	
11	> 34456	B3 MS	AA88183	11	500 µl	MS 10X		✓	✓
12	> 34457	B3 MSD	AA88183	12	↓	MSD ↓		✓	✓
13	> 34458	G-PB-FB1	AA88127	13	5.0 ml			✓	✓
14	> 34459	TB	AA88128	14				✓	✓
15	> 34460	B1	AA88173	15	500 µl	10X		✓	✓
16	> 34461	D1	AA88174	16				✓	✓
17	> 34462	D3	AA88175	1				✓	✓
18	> 34463	D2	AA88176	2				✓	✓
19	> 34464	F3	AA88177	3				✓	✓
20	> 34465	C2	AA88178	4				✓	✓
21	> 34466	B2	AA88179	5				✓	✓
22	> 34467	F2	AA88180	6				✓	✓
23	> 34468	E1	AA88181	7				✓	✓
24	> 34469	F4	AA88182	8				✓	✓
25	> 34470	B3	AA88183	9				✓	✓
26	> 34471	E2	AA88184	10				✓	✓
27	> 34472	E1	AA88185	11	↓	↓		✓	✓
28	> 34473	3HE Blank	RL8026	12	5.0 ml	out of "12-hr" - rerun			
29	> 34474	3HE Blank	RL8028	13	↓	↓			
30	> 34475	MW45-3 15.25 15.0	AA88145	14	↓	↓			

SIGNED [signature] COSIGNED [signature]

____ ARCHIVED ____ TIC's ____ EXTENDED REPORTS

00079

VAF1W2/34445

000304

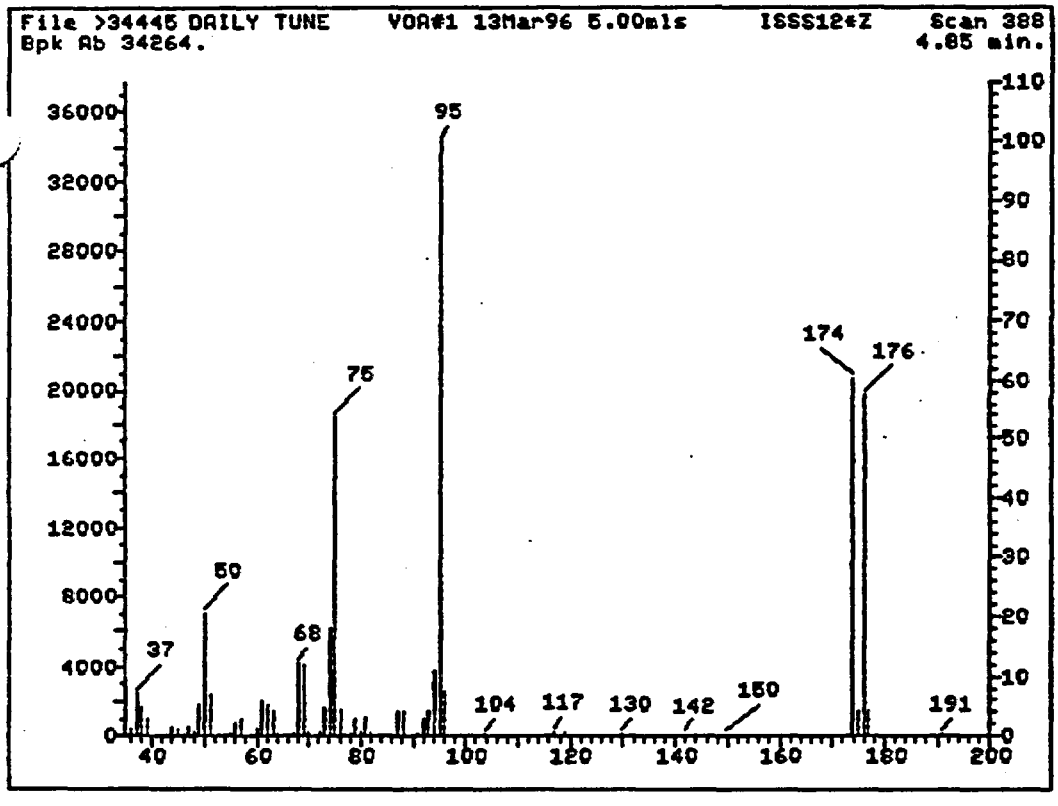
:RU,TUNER,=BFB88

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	20.38	20.38	Ok
75	30-60% of mass 95	53.79	53.79	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.50	7.50	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	60.33	60.33	Ok
175	5-9% of mass 174	4.24	7.03	Ok
176	95-101% of mass 174	57.46	95.24	Ok
177	5-9% of mass 176	4.02	7.00	Ok

Injection Date: 03/13/96
Injection Time: 06:44
Data File: >34445
Scan: 388

:RU,AL,,1



VAFIW2 134445

000325

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL Time: 07:11

Contract No: Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Dichlorodifluoromethane	2.37195	.90462	61.86			
Chloromethane	1.43269	1.01578	29.10		**	
Vinyl Chloride	1.44928	1.26511	12.71	*		
Bromomethane	1.24892	1.08658	13.00			
Chloroethane	1.19536	1.28971	7.89			
Trichlorofluoromethane	3.91613	2.94518	24.79			
Acetone	.57173	.83905	46.76			
Carbon Disulfide	5.34558	4.81083	10.00			
1,1-Dichloroethene	1.78571	1.78843	.15	*		
Methylene Chloride	1.61330	1.40925	12.65			
trans-1,2-Dichloroethene	2.02519	2.04161	.81			
1,1-Dichloroethane	3.75680	3.86776	2.95		**	
Vinyl Acetate	3.82256	2.21890	41.95			
cis-1,2-Dichloroethene	2.11355	2.16032	2.21			
2,2-Dichloropropane	3.52556	2.16158	38.69			
2-Butanone	.73441	1.01175	37.76			
Chloroform	4.54399	4.00086	11.95	*		
1,1,1-Trichloroethane	4.42593	3.88672	12.18			
1,1-Dichloropropene	3.46316	3.19345	7.79			
Carbon Tetrachloride	3.28152	3.21687	1.97			
Benzene	6.18387	6.48320	4.84			
1,2-Dichloroethane-d4	2.37991	2.49864	4.99			
1,2-Dichloroethane	2.62139	2.72159	3.82			
Trichloroethene	.44152	.40492	8.29			
1,2-Dichloropropane	.36839	.37195	3.21	*		
Bromodichloromethane	.67883	.56533	16.72			
Dibromomethane	.25835	.24412	5.51			
2-Chloroethyl vinyl ether	.10224	.19448	90.22			
cis-1,3-Dichloropropene	.56261	.53109	5.60			(Conc=47.25)
trans-1,3-Dichloropropene	.43235	.38837	10.17			(Conc=52.75)
Dibromochloromethane	.47353	.42343	10.58			
1,1,2-Trichloroethane	.22234	.28393	8.28			

OK VS: VAFIW2
3-13-96

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAF1W21 34445 000306

Continuing Calibration Check
HSL Compounds

Case No: _____ Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL Time: 07:11

Contract No: _____ Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Tetrachloroethene	.41222	.37097	10.01			
Toluene	.71579	.69559	2.82	*		
Toluene-d8	1.05309	1.06174	.82			
4-Methyl-2-pentanone	.34344	.33311	3.01			
2-Hexanone	.27939	.29743	6.46			
1,3-Dichloropropane	.45997	.46863	1.88			
1,2-Dibromoethane	.32860	.27790	15.43			
Chlorobenzene	1.02306	.93140	8.96		**	
1,1,1,2-Tetrachloroethane	.46977	.40748	13.26			
Ethylbenzene	1.97798	1.85207	6.37	*		
m&p-Xylene	.69794	.62417	10.57			(Conc=100.00)
Styrene	1.04885	.94908	9.51			
Xylene(Total)	.67522	.60427	10.51			(Conc=150.00)
Bromoform	.31179	.27412	12.08		**	
Bromofluorobenzene	.80461	.78131	2.90			
Isopropylbenzene(Cumene)	.44047	.41171	6.53			
Bromobenzene	.98348	.87609	10.92			
1,2,3-Trichloropropane	.35211	.34687	1.49			
1,1,2,2-Tetrachloroethane	.45998	.45542	.99		**	
n-Propylbenzene	3.86074	3.82781	.85			(Conc=50.00)
1,3,5-Trimethylbenzene	1.77131	1.50711	14.92			
2-Chlorotoluene	.39854	.36264	9.01			
4-Chlorotoluene	.43318	.39349	9.16			
tert-Butylbenzene	1.68666	1.49105	11.60			
1,2,4-Trimethylbenzene	1.69908	1.47437	13.23			
sec-Butylbenzene	2.31438	2.15173	7.03			(Conc=50.00)
4-Isopropyltoluene	1.79610	1.65270	7.98			(Conc=50.00)
1,3-Dichlorobenzene	.80138	.69300	13.52			
1,4-Dichlorobenzene	.93077	.81145	12.82			
n-Butylbenzene	1.93055	1.80679	6.41			(Conc=50.00)
1,2-Dichlorobenzene	.73265	.64878	11.45			
1,2-Dibromo-3-Chloropropane	.07008	.06359	9.25			

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL

Time: 07:11

Contract No:

Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
1,2,4-Trichlorobenzene	.48853	.37784	22.66			(Conc=50.00)
Hexachlorobutadiene	.35961	.26159	27.26			(Conc=50.00)
Naphthalene	.79029	.65115	17.61			(Conc=50.00)
1,2,3-Trichlorobenzene	.42410	.32047	24.44			(Conc=50.00)

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAFIW2/34478 000308

LENL Pensacola, Fl.

Operator D Date 3/14/96 Client(s) Bailey SDG: 88173

DV:031494

GC Program CRYO1 _____ 35 HOLD 6 MIN.: THEN 7/MIN TO 115; HOLD 0 MIN.: THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID 1 AFW SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP___ Acquisition Cm: D 2 STDS: ISSS* 12 Z VSTD* 03 I

	Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
	1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
	2	>34478		BFB	2	5ul/50ng BFB	Daily Tune Scan # 382 Area = 184999		✓	Time 07:51
	3	>34479		Cont. Calib.	3	50 PPB	VS.		✓	✓
✓	4	>34480	VWB0793		4	5.0 ml	Daily Blank		✓	✓
✓	5	>34481	VWL0793		5	↓	LCS		✓	✓
✓	6	>34482	C2 MS	AA88178	6	50 µl	MS 250 X		✓	✓
✓	7	>34483	C2 MSD	AA88178	7		MSD		✓	✓
✓	8	>34484	C2	AA88178	8				✓	✓
✓	9	>34485	F2	AA88180	9		Prior Q 500 X		no	
✓	10	>34486	E1	AA88185	10	↓	↓		↓	
✓	11	>34487	ZHC Blank	RL8026	11	5.0 ml			✓	✓
✓	12	>34488	ZHC Blank	RL8028	12				✓	✓
	13	>34489	Amb 0793	Amb Blank	13	↓			✓	✓
	14	>34490	Trip Blank	AA88777	14				✓	✓
	15	>34491	Trip Blank	AA88779	15	↓			✓	✓
✓	16	>34492	AA88180(F2)	AA88180	16	25 µl	500 X		✓	✓
✓	17	>34493	E1	AA88185	1	↓	↓		✓	✓
	18	>								
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SIGNED [signature] COSIGNED [signature]

____ ARCHIVED ____ TIC's ____ EXTENDED REPORTS 00079

000

VAP1W2/34478

GC/MS Top Level. Select a softkey... *KSHEL Keys <891130.13BP

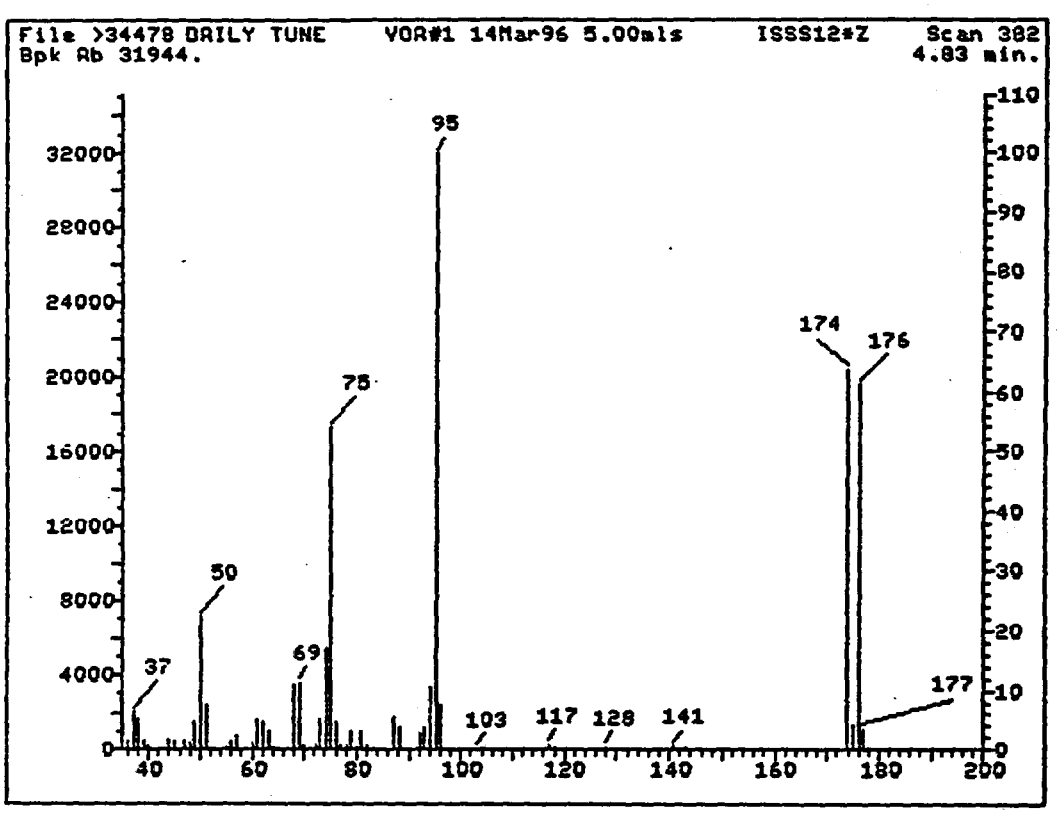
:RU,TUNER,=BFB88

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	22.33	22.33	Ok
75	30-60% of mass 95	54.02	54.02	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.41	7.41	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	63.76	63.76	Ok
175	5-9% of mass 174	4.01	6.28	Ok
176	95-101% of mass 174	61.13	95.88	Ok
177	5-9% of mass 176	3.59	5.87	Ok

Injection Date: 03/14/96
Injection Time: 07:51
Data File: >34478
Scan: 382

:RU,AL,,1



VAFIW2/34478 000310

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 03/14/96

Contractor: LAW ENVIRONMENTAL Time: 09:14

Contract No: Laboratory ID: >34479

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Dichlorodifluoromethane	2.37195	2.31600	2.36			
Chloromethane	1.43269	1.54014	7.50		**	
Vinyl Chloride	1.44928	1.59746	10.22	*		
Bromomethane	1.24892	1.19159	4.59			
Chloroethane	1.19536	1.50242	25.69			
Trichlorofluoromethane	3.91613	3.23377	17.42			
Acetone	.57173	.81906	43.26			
Carbon Disulfide	5.34550	5.20365	2.65			
1,1-Dichloroethene	1.78571	1.91833	7.43	*		
Methylene Chloride	1.61330	1.31041	18.77			
trans-1,2-Dichloroethene	2.02519	2.06314	1.87			
1,1-Dichloroethane	3.75680	3.81780	1.62		**	
Vinyl Acetate	3.82256	2.16147	43.46			
cis-1,2-Dichloroethene	2.11355	2.15765	2.09			
2,2-Dichloropropane	3.52556	1.88032	46.67			
2-Butanone	.73441	.94038	28.04			
Chloroform	4.54399	3.93158	13.48	*		
1,1,1-Trichloroethane	4.42593	3.70544	16.28			
1,1-Dichloropropene	3.46316	3.24291	6.36			
Carbon Tetrachloride	3.28152	3.11047	5.21			
Benzene	6.18387	6.45059	4.31			
1,2-Dichloroethane-d4	2.37991	2.30720	3.06			
1,2-Dichloroethane	2.62139	2.63340	.46			
Trichloroethene	.44152	.39793	9.87			
1,2-Dichloropropane	.36039	.36437	1.10	*		
Bromodichloromethane	.67883	.57123	15.85			
Dibromomethane	.25835	.23544	8.87			
2-Chloroethyl vinyl ether	.10224	.07723	24.46			
cis-1,3-Dichloropropene	.56261	.50735	9.82			(Conc=47.25)
trans-1,3-Dichloropropene	.43235	.38134	11.80			(Conc=52.75)
Dibromochloromethane	.47353	.40452	14.57			
1,1,2-Trichloroethane	.22234	.22137	.43			

OK US: VAFIW2
3-14-96

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAF1W2/34478
000311

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/14/96

Contractor: LAW ENVIRONMENTAL

Time: 09:14

Contract No:

Laboratory ID: >34479

Instrument ID: VOA$1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Tetrachloroethene	.41222	.37355	9.38			
Toluene	.71579	.67631	5.52	*		
Toluene-d8	1.05309	1.02621	2.55			
4-Methyl-2-pentanone	.34344	.33001	3.91			
2-Hexanone	.27939	.27712	.81			
1,3-Dichloropropane	.45997	.45559	.95			
1,2-Dibromoethane	.32860	.33457	1.81			
Chlorobenzene	1.02306	.98465	3.75		**	
1,1,1,2-Tetrachloroethane	.46977	.43643	7.10			
Ethylbenzene	1.97798	1.91974	2.94	*		
m&p-Xylene	.69794	.66960	4.06			(Conc=100.00)
Styrene	1.04885	1.01198	3.52			
Xylene(Total)	.67522	.64101	5.07			(Conc=150.00)
Bromoform	.31179	.29195	6.36		**	
Bromofluorobenzene	.80461	.78567	2.35			
Isopropylbenzene(Cumene)	.44047	.44534	1.10			
Bromobenzene	.98348	.92384	6.06			
1,2,3-Trichloropropane	.35211	.36308	3.11			
1,1,2,2-Tetrachloroethane	.45998	.48126	4.63		**	
n-Propylbenzene	3.86874	4.00243	3.67			(Conc=50.00)
1,3,5-Trimethylbenzene	1.77131	1.64998	6.85			
2-Chlorotoluene	.39854	.39096	1.90			
4-Chlorotoluene	.43318	.41245	4.78			
tert-Butylbenzene	1.68666	1.62682	3.55			
1,2,4-Trimethylbenzene	1.69908	1.54854	8.86			
sec-Butylbenzene	2.31438	2.30249	.51			(Conc=50.00)
4-Isopropyltoluene	1.79610	1.78278	.74			(Conc=50.00)
1,3-Dichlorobenzene	.80138	.73242	8.61			
1,4-Dichlorobenzene	.93077	.88495	4.92			
n-Butylbenzene	1.93055	1.94018	.49			(Conc=50.00)
1,2-Dichlorobenzene	.73265	.68776	6.13			
1,2-Dibromo-3-Chloropropane	.07008	.07221	3.04			

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAF1W2/34478

000312

Continuing Calibration Check
HSL Compounds

Case No: Calibration Date: 03/14/96

Contractor: LAW ENVIRONMENTAL Time: 09:14

Contract No: Laboratory ID: >34479

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
1,2,4-Trichlorobenzene	.48853	.42442	13.12			(Conc=50.00)
Hexachlorobutadiene	.35961	.29033	19.27			(Conc=50.00)
Naphthalene	.79029	.73651	6.80			(Conc=50.00)
1,2,3-Trichlorobenzene	.42410	.35109	17.22			(Conc=50.00)

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

SDG No: 02B88173

Method No.: 8270

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site PIT B SDG No: 028 88173 Date Received: 3/11/96

Sampling Site(s): 1 PIT B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 B1	AA 88173	So		1
02 D1	AA 88174	So		1
03 D3	AA 88175	So		1
04 D2	AA 88176	So		1
05 F3	AA 88177	So		1
06 C2	AA 88178	So		1
07 B2	AA 88179	So		1
08 F2	AA 88180	So		1
09 F1	AA 88181	So		1
10 F4	AA 88182	So		1
11 B3	AA 88183	So		1
12 E2	AA 88184	So		1
13 E1	AA 88185	So		1
14 ZHES88026 ~~ICLPSB8026~~	AA85982			
15 ICPSB0341	AA85983			
16 ICPSL0341	AA85984			
17 ESB0343	AA85985			
18 ESL0343	AA85986			
19 ICLPSB8029	AA85987			
20 ICPWB0349	AA85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	ICPWL0349	AA85989			
22	HGWB0542	AA86002			
23	HGWL0542	AA86003			
24	ZHESB8028	AA86013			
25	VWB0791T	AA86007			
26	VWL0791T	AA86008			
27	VWB0793T	AA86009			
28	VWL0793T	AA86010			
29	VSB0793	AA86014			
30	VSL0793	AA86015			
31	SWB8034	AA86016			
32	SWL8034	AA86017			
33	B1 MS	AA86019			
34	B1 MSD	AA86020			
35	BC2 MS	AA86029			
36	C2 MSD	AA86030			
37	D1 MS	AA86035			
38	D1 MSD	AA86036			
39	VSB0791	AA86023			
40	VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGWB0541	AA85972
01B88124	HGWL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total

F2	AA88180	10X	Fe
E1	AA88185	10X	Fe

7000 - Total Lead

B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume except *
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X and 5mL end volume except *
C2MS	AA86029	10X and 5mL end volume except *
C2MSD	AA86030	10X and 5mL end volume except *
B2	AA88179	10X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 3

F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS*	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 4

E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol
C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LENL-Pensacola, FL DV:031894

Information Only ✓ Deficient Incident _____

Section: GCMS Semivolatiles

Analyst: _____ Date: __/__/__ Supervisor: [illegible] Date 3/22/94

Description

Initial Extracts were diluted over TCLP regulatory level for 2,4-Dinitrotoluene, Hexachlorobenzene and Hexachlorobutadiene. These had to be diluted for large non-target analytes.

SDG/Samples Affected

Bailey SDG# 88173 TCLP's AA88173, AA88178, AA88180 MS MSMSD on AA88178

Resolution

The samples were run through Silica gel to lower matrix effect. The recoveries on the LCS also run through silica gel is as follows:

2,4-Dinitrotoluene = 104%
Hexachlorobenzene = 109%
Hexachlorobutadiene = 127%

The samples were rerun for these constituents only.

The extracts were originally at 5mls for the original extractions after cleanup the final volumes are as follows: AA88173 - 1ml / AA88178 = 5ml / AA88180 = 1ml All were diluted to a final total dilution of 10X.

LENL-Pensacola, FL

DV:031994

Report

SDG/Samples: _____

Follow up

Review

Cleanup was performed to help reduce Background to lower the reporting limit. This was achieved and samples were reran. Please report for 2,4-DNT-Hexachlorobenzene and Hexachlorobutadiene

Approvals

3/22/96

Laboratory Manager

QA/QC Officer

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	00:07	DH
Acenaphthene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Acenaphthylene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Anthracene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benz(a)anthracene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benzo(b)fluoranthene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benzo(k)fluoranthene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benzo(g,h,i)perylene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benzo(a)pyrene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Benzoic acid	SW8270	23800000	Not Det	03/14/96	00:07	DH
Benzyl alcohol	SW8270	9500000	Not Det	03/14/96	00:07	DH
bis(2-Chloroethoxy)methane	SW8270	4750000	Not Det	03/14/96	00:07	DH
bis(2-Chloroethyl)ether	SW8270	4750000	Not Det	03/14/96	00:07	DH
bis(2-Chloroisopropyl)ether	SW8270	4750000	Not Det	03/14/96	00:07	DH
bis(2-Ethylhexyl)phthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH
4-Bromophenyl phenyl ether	SW8270	4750000	Not Det	03/14/96	00:07	DH
Butyl benzyl phthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH
4-Chloroaniline	SW8270	9500000	Not Det	03/14/96	00:07	DH
4-Chloro-3-methylphenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
2-Chloronaphthalene	SW8270	4750000	Not Det	03/14/96	00:07	DH
2-Chlorophenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
4-Chlorophenyl phenyl ether	SW8270	4750000	Not Det	03/14/96	00:07	DH
Chrysene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Dibenz(a,h)anthracene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Dibenzofuran	SW8270	4750000	Not Det	03/14/96	00:07	DH
Di-n-butylphthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
1,3-Dichlorobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
1,4-Dichlorobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
3,3'-Dichlorobenzidine	SW8270	9500000	Not Det	03/14/96	00:07	DH
2,4-Dichlorophenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
Diethylphthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH
2,4-Dimethylphenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
Dimethylphthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH
4,6-Dinitro-2-methylphenol	SW8270	23800000	Not Det	03/14/96	00:07	DH
2,4-Dinitrophenol	SW8270	23800000	Not Det	03/14/96	00:07	DH
2,4-Dinitrotoluene	SW8270	4750000	Not Det	03/14/96	00:07	DH
2,6-Dinitrotoluene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Di-n-octylphthalate	SW8270	4750000	Not Det	03/14/96	00:07	DH
Fluoranthene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Fluorene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Hexachlorobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Hexachlorobutadiene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Hexachlorocyclopentadiene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Hexachloroethane	SW8270	4750000	Not Det	03/14/96	00:07	DH
Indeno(1,2,3-cd)pyrene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Isophorone	SW8270	4750000	Not Det	03/14/96	00:07	DH
2-Methylnaphthalene	SW8270	4750000	Not Det	03/14/96	00:07	DH
2-Methylphenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
4-Methylphenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
Naphthalene	SW8270	4750000	28700 J	03/14/96	00:07	DH
2-Nitroaniline	SW8270	23800000	Not Det	03/14/96	00:07	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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Station ID: B1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	23800000	Not Det	03/14/96	00:07	DH
4-Nitroaniline	SW8270	23800000	Not Det	03/14/96	00:07	DH
Nitrobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
2-Nitrophenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
4-Nitrophenol	SW8270	23800000	Not Det	03/14/96	00:07	DH
n-Nitrosodiphenylamine	SW8270	4750000	Not Det	03/14/96	00:07	DH
n-Nitrosodi-n-propylamine	SW8270	4750000	Not Det	03/14/96	00:07	DH
Pentachlorophenol	SW8270	14200000	Not Det	03/14/96	00:07	DH
Phenanthrene	SW8270	4750000	Not Det	03/14/96	00:07	DH
Phenol	SW8270	4750000	Not Det	03/14/96	00:07	DH
Pyrene	SW8270	4750000	Not Det	03/14/96	00:07	DH
1,2,4-Trichlorobenzene	SW8270	4750000	Not Det	03/14/96	00:07	DH
2,4,5-Trichlorophenol	SW8270	9500000	Not Det	03/14/96	00:07	DH
2,4,6-Trichlorophenol	SW8270	4750000	Not Det	03/14/96	00:07	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	00:07	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	00:07	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	00:07	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	00:07	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	00:07	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	00:07	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88173	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	B1	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.40	35200000
Unknown Cyclic Hydrocarbon	21.16	18500000
Unknown Hydrocarbon	21.36	2380000
Unknown Cyclic Hydrocarbon	23.07	2850000
Unknown	23.34	14200000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	22:53	DH
3-Methylphenol	SW8270	510	425 J CE	03/14/96	22:53	DH
2-Methylphenol	SW8270	510	Not Det	03/14/96	22:53	DH
4-Methylphenol	SW8270	510	425 J CE	03/14/96	22:53	DH
1,4-Dichlorobenzene	SW8270	510	Not Det	03/14/96	22:53	DH
Hexachloroethane	SW8270	510	Not Det	03/14/96	22:53	DH
Nitrobenzene	SW8270	510	Not Det	03/14/96	22:53	DH
Pentachlorophenol	SW8270	1530	Not Det	03/14/96	22:53	DH
Pyridine	SW8270	1020	Not Det	03/14/96	22:53	DH
2,4,5-Trichlorophenol	SW8270	1020	Not Det	03/14/96	22:53	DH
2,4,6-Trichlorophenol	SW8270	510	Not Det	03/14/96	22:53	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	45	03/14/96	22:53	DH
sur-Phenol-d6 %R 10-94	SW8270	0	13	03/14/96	22:53	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	98	03/14/96	22:53	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	93	03/14/96	22:53	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	58	03/14/96	22:53	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	85	03/14/96	22:53	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/21/96	13:31	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/21/96	13:31	DH
Hexachlorobenzene	SW8270	100	Not Det	03/21/96	13:31	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/21/96	13:31	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	76	03/21/96	13:31	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	51	03/21/96	13:31	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	71	03/21/96	13:31	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96
Page 2

—Project Information—

Station ID:	B1	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	02B88173

—Sample Information—

		Date Sampled:	03/07/96
Lab ID:	AA88173	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/11/96
		Log In Time:	16:16

—Test Information—

Parameter	Method	Det Lim	Result	Date	Analysis Time	Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: D1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	23:46	DH
3-Methylphenol	SW8270	102	Not Det	03/14/96	23:46	DH
2-Methylphenol	SW8270	102	Not Det	03/14/96	23:46	DH
4-Methylphenol	SW8270	102	Not Det	03/14/96	23:46	DH
1,4-Dichlorobenzene	SW8270	102	Not Det	03/14/96	23:46	DH
2,4-Dinitrotoluene	SW8270	102	Not Det	03/14/96	23:46	DH
Hexachlorobenzene	SW8270	102	Not Det	03/14/96	23:46	DH
Hexachlorobutadiene	SW8270	102	Not Det	03/14/96	23:46	DH
Hexachloroethane	SW8270	102	Not Det	03/14/96	23:46	DH
Nitrobenzene	SW8270	306	Not Det	03/14/96	23:46	DH
Pentachlorophenol	SW8270	204	Not Det	03/14/96	23:46	DH
Pyridine	SW8270	204	Not Det	03/14/96	23:46	DH
2,4,5-Trichlorophenol	SW8270	102	Not Det	03/14/96	23:46	DH
2,4,6-Trichlorophenol	SW8270	0	51	03/14/96	23:46	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	31	03/14/96	23:46	DH
sur-Phenol-d6 %R 10-94	SW8270	0	44	03/14/96	23:46	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	71	03/14/96	23:46	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	53	03/14/96	23:46	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	66	03/14/96	23:46	DH
sur-Terphenyl-d14 %R 38-141	SW8270					

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: D3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	02:42	DH
3-Methylphenol	SW8270	101	52.0 J CE	03/15/96	02:42	DH
2-Methylphenol	SW8270	101	Not Det	03/15/96	02:42	DH
4-Methylphenol	SW8270	101	52.0 J CE	03/15/96	02:42	DH
1,4-Dichlorobenzene	SW8270	101	Not Det	03/15/96	02:42	DH
Hexachloroethane	SW8270	101	Not Det	03/15/96	02:42	DH
Nitrobenzene	SW8270	101	Not Det	03/15/96	02:42	DH
Pentachlorophenol	SW8270	303	Not Det	03/15/96	02:42	DH
Pyridine	SW8270	202	Not Det	03/15/96	02:42	DH
2,4,5-Trichlorophenol	SW8270	202	Not Det	03/15/96	02:42	DH
2,4,6-Trichlorophenol	SW8270	101	Not Det	03/15/96	02:42	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	61	03/15/96	02:42	DH
sur-Phenol-d6 %R 10-94	SW8270	0	52	03/15/96	02:42	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	62	03/15/96	02:42	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	77	03/15/96	02:42	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	53	03/15/96	02:42	DH
sur-Terphenyl-d14 %R 33-141	SW8270	0	70	03/15/96	02:42	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: D2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	01:01	DH
Acenaphthene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Acenaphthylene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Anthracene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benz(a)anthracene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benzo(b)fluoranthene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benzo(k)fluoranthene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benzo(g,h,i)perylene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benzo(a)pyrene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Benzoic acid	SW8270	17400000	Not Det	03/14/96	01:01	DH
Benzyl alcohol	SW8270	6980000	Not Det	03/14/96	01:01	DH
bis(2-Chloroethoxy)methane	SW8270	3490000	Not Det	03/14/96	01:01	DH
bis(2-Chloroethyl)ether	SW8270	3490000	Not Det	03/14/96	01:01	DH
bis(2-Chloroisopropyl)ether	SW8270	3490000	Not Det	03/14/96	01:01	DH
bis(2-Ethylhexyl)phthalate	SW8270	3490000	Not Det	03/14/96	01:01	DH
4-Bromophenyl phenyl ether	SW8270	3490000	Not Det	03/14/96	01:01	DH
Butyl benzyl phthalate	SW8270	6980000	Not Det	03/14/96	01:01	DH
4-Chloroaniline	SW8270	3490000	Not Det	03/14/96	01:01	DH
4-Chloro-3-methylphenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Chloronaphthalene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Chlorophenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
4-Chlorophenyl phenyl ether	SW8270	3490000	Not Det	03/14/96	01:01	DH
Chrysene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Dibenz(a,h)anthracene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Dibenzofuran	SW8270	3490000	Not Det	03/14/96	01:01	DH
Di-n-butylphthalate						

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
1,3-Dichlorobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
1,4-Dichlorobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
3,3'-Dichlorobenzidine	SW8270	6980000	Not Det	03/14/96	01:01	DH
2,4-Dichlorophenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
Diethylphthalate	SW8270	3490000	Not Det	03/14/96	01:01	DH
2,4-Dimethylphenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
Dimethylphthalate	SW8270	3490000	Not Det	03/14/96	01:01	DH
4,6-Dinitro-2-methylphenol	SW8270	17400000	Not Det	03/14/96	01:01	DH
2,4-Dinitrophenol	SW8270	17400000	Not Det	03/14/96	01:01	DH
2,4-Dinitrotoluene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2,6-Dinitrotoluene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Di-n-octylphthalate	SW8270	3490000	Not Det	03/14/96	01:01	DH
Fluoranthene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Fluorene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Hexachlorobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Hexachlorobutadiene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Hexachlorocyclopentadiene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Hexachloroethane	SW8270	3490000	Not Det	03/14/96	01:01	DH
Indeno(1,2,3-cd)pyrene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Isophorone	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Methylnaphthalene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Methylphenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
4-Methylphenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
Naphthalene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Nitroaniline	SW8270	17400000	Not Det	03/14/96	01:01	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 3
Station ID: D2
BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP
SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176
Collector: WISEALOWSKI

Date Sampled: 03/07/96
Time Sampled: 00:00
Log In Date: 03/11/96
Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	17400000	Not Det	03/14/96	01:01	DH
4-Nitroaniline	SW8270	17400000	Not Det	03/14/96	01:01	DH
Nitrobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2-Nitrophenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
4-Nitrophenol	SW8270	17400000	Not Det	03/14/96	01:01	DH
n-Nitrosodiphenylamine	SW8270	3490000	Not Det	03/14/96	01:01	DH
n-Nitrosodi-n-propylamine	SW8270	3490000	Not Det	03/14/96	01:01	DH
Pentachlorophenol	SW8270	1060000	Not Det	03/14/96	01:01	DH
Phenanthrene	SW8270	3490000	Not Det	03/14/96	01:01	DH
Phenol	SW8270	3490000	Not Det	03/14/96	01:01	DH
Pyrene	SW8270	3490000	Not Det	03/14/96	01:01	DH
1,2,4-Trichlorobenzene	SW8270	3490000	Not Det	03/14/96	01:01	DH
2,4,5-Trichlorophenol	SW8270	6980000	Not Det	03/14/96	01:01	DH
2,4,6-Trichlorophenol	SW8270	3490000	Not Det	03/14/96	01:01	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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03/19/96

TEST DATA REPORT

Station ID: D2

--- Project Information ---

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	01:01	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	01:01	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	01:01	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	01:01	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	01:01	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	01:01	DH

Remarks:

Signed: _____

James M.G. Tusci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88176	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	D2	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.38	19500000
Unknown Aromatic	13.38	2440000
Unknown Cyclic Hydrocarbon	21.12	11500000
Unknown	23.33	9420000
Unknown	25.62	8030000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	03:35	DH
3-Methylphenol	SW8270	101	103 CE	03/15/96	03:35	DH
2-Methylphenol	SW8270	101	29.5 J	03/15/96	03:35	DH
4-Methylphenol	SW8270	101	103 CE	03/15/96	03:35	DH
1,4-Dichlorobenzene	SW8270	101	Not Det	03/15/96	03:35	DH
Hexachloroethane	SW8270	101	Not Det	03/15/96	03:35	DH
Nitrobenzene	SW8270	101	Not Det	03/15/96	03:35	DH
Pentachlorophenol	SW8270	303	Not Det	03/15/96	03:35	DH
Pyridine	SW8270	202	Not Det	03/15/96	03:35	DH
2,4,5-Trichlorophenol	SW8270	202	Not Det	03/15/96	03:35	DH
2,4,6-Trichlorophenol	SW8270	101	Not Det	03/15/96	03:35	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	68	03/15/96	03:35	DH
sur-Phenol-d6 %R 10-94	SW8270	0	63	03/15/96	03:35	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	83	03/15/96	03:35	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	87	03/15/96	03:35	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	54	03/15/96	03:35	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	78	03/15/96	03:35	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	04:29	DH
3-Methylphenol	SW8270	101	184 CE	03/15/96	04:29	DH
2-Methylphenol	SW8270	101	42.3 J	03/15/96	04:29	DH
4-Methylphenol	SW8270	101	184 CE	03/15/96	04:29	DH
1,4-Dichlorobenzene	SW8270	101	Not Det	03/15/96	04:29	DH
Hexachloroethane	SW8270	101	Not Det	03/15/96	04:29	DH
Nitrobenzene	SW8270	101	Not Det	03/15/96	04:29	DH
Pentachlorophenol	SW8270	303	Not Det	03/15/96	04:29	DH
Pyridine	SW8270	202	Not Det	03/15/96	04:29	DH
2,4,5-Trichlorophenol	SW8270	202	Not Det	03/15/96	04:29	DH
2,4,6-Trichlorophenol	SW8270	101	Not Det	03/15/96	04:29	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	56	03/15/96	04:29	DH
sur-Phenol-d6 %R 10-94	SW8270	0	56	03/15/96	04:29	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	65	03/15/96	04:29	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	75	03/15/96	04:29	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	04:29	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	71	03/15/96	04:29	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	01:55	DH
Acenaphthene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Acenaphthylene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Anthracene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benz(a)anthracene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benzo(b)fluoranthene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benzo(k)fluoranthene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benzo(g,h,i)perylene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benzo(a)pyrene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Benzoic acid	SW8270	15300000	Not Det	03/14/96	01:55	DH
Benzyl alcohol	SW8270	6120000	Not Det	03/14/96	01:55	DH
bis(2-Chloroethoxy)methane	SW8270	3060000	Not Det	03/14/96	01:55	DH
bis(2-Chloroethyl)ether	SW8270	3060000	Not Det	03/14/96	01:55	DH
bis(2-Chloroisopropyl)ether	SW8270	3060000	Not Det	03/14/96	01:55	DH
bis(2-Ethylhexyl)phthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH
4-Bromophenyl phenyl ether	SW8270	3060000	Not Det	03/14/96	01:55	DH
Butyl benzyl phthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH
4-Chloroaniline	SW8270	6120000	Not Det	03/14/96	01:55	DH
4-Chloro-3-methylphenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
2-Chloronaphthalene	SW8270	3060000	Not Det	03/14/96	01:55	DH
2-Chlorophenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
4-Chlorophenyl phenyl ether	SW8270	3060000	Not Det	03/14/96	01:55	DH
Chrysene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Dibenz(a,h)anthracene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Dibenzofuran	SW8270	3060000	Not Det	03/14/96	01:55	DH
Di-n-butylphthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
1,3-Dichlorobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
1,4-Dichlorobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
3,3'-Dichlorobenzidine	SW8270	6120000	Not Det	03/14/96	01:55	DH
2,4-Dichlorophenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
Diethylphthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH
2,4-Dimethylphenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
Dimethylphthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH
4,6-Dinitro-2-methylphenol	SW8270	15300000	Not Det	03/14/96	01:55	DH
2,4-Dinitrophenol	SW8270	15300000	Not Det	03/14/96	01:55	DH
2,4-Dinitrotoluene	SW8270	3060000	Not Det	03/14/96	01:55	DH
2,6-Dinitrotoluene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Di-n-octylphthalate	SW8270	3060000	Not Det	03/14/96	01:55	DH
Fluoranthene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Fluorene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Hexachlorobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Hexachlorobutadiene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Hexachlorocyclopentadiene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Hexachloroethane	SW8270	3060000	Not Det	03/14/96	01:55	DH
Indeno(1,2,3-cd)pyrene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Isophorone	SW8270	3060000	Not Det	03/14/96	01:55	DH
2-Methylnaphthalene	SW8270	3060000	Not Det	03/14/96	01:55	DH
2-Methylphenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
4-Methylphenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
Naphthalene	SW8270	3006000	30500 J	03/14/96	01:55	DH
2-Nitroaniline	SW8270	15300000	Not Det	03/14/96	01:55	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	15300000	Not Det	03/14/96	01:55	DH
4-Nitroaniline	SW8270	15300000	Not Det	03/14/96	01:55	DH
Nitrobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
2-Nitrophenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
4-Nitrophenol	SW8270	15300000	Not Det	03/14/96	01:55	DH
n-Nitrosodiphenylamine	SW8270	3060000	Not Det	03/14/96	01:55	DH
n-Nitrosodi-n-propylamine	SW8270	3060000	Not Det	03/14/96	01:55	DH
Pentachlorophenol	SW8270	9180000	Not Det	03/14/96	01:55	DH
Phenanthrene	SW8270	3060000	Not Det	03/14/96	01:55	DH
Phenol	SW8270	3060000	Not Det	03/14/96	01:55	DH
Pyrene	SW8270	3060000	Not Det	03/14/96	01:55	DH
1,2,4-Trichlorobenzene	SW8270	3060000	Not Det	03/14/96	01:55	DH
2,4,5-Trichlorophenol	SW8270	6120000	Not Det	03/14/96	01:55	DH
2,4,6-Trichlorophenol	SW8270	3060000	Not Det	03/14/96	01:55	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	01:55	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	01:55	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	01:55	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	01:55	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	01:55	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	01:55	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88178	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	C2	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.42	27500000
Unknown Aromatic	13.40	3980000
Unknown Cyclic Hydrocarbon	21.15	3370000
Unknown Cyclic Hydrocarbon	21.41	2450000
Unknown Cyclic	22.72	33700000
Unknown Cyclic	23.08	2750000
Unknown	23.36	11000000
Unknown Aromatic	24.81	1220000
Unknown	25.64	9790000
Unknown Aromatic	26.67	1840000
Unknown Aromatic	26.79	1530000
Unknown Aromatic	27.52	1530000
Unknown Aromatic	29.97	1220000
Unknown	30.08	1530000
Unknown	32.68	1840000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	20:11	DH
3-Methylphenol	SW8270	500	Not Det	03/14/96	20:11	DH
2-Methylphenol	SW8270	500	Not Det	03/14/96	20:11	DH
4-Methylphenol	SW8270	500	Not Det	03/14/96	20:11	DH
1,4-Dichlorobenzene	SW8270	500	Not Det	03/14/96	20:11	DH
Hexachloroethane	SW8270	500	Not Det	03/14/96	20:11	DH
Nitrobenzene	SW8270	500	Not Det	03/14/96	20:11	DH
Pentachlorophenol	SW8270	1500	Not Det	03/14/96	20:11	DH
Pyridine	SW8270	1000	Not Det	03/14/96	20:11	DH
2,4,5-Trichlorophenol	SW8270	1000	Not Det	03/14/96	20:11	DH
2,4,6-Trichlorophenol	SW8270	500	Not Det	03/14/96	20:11	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	48	03/14/96	20:11	DH
sur-Phenol-d6 %R 10-94	SW8270	0	36	03/14/96	20:11	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	118	03/14/96	20:11	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	100	03/14/96	20:11	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	52	03/14/96	20:11	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	87	03/14/96	20:11	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/21/96	15:34	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/21/96	15:34	DH
Hexachlorobenzene	SW8270	100	Not Det	03/21/96	15:34	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/21/96	15:34	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	28	03/21/96	15:34	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	24	03/21/96	15:34	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	22	03/21/96	15:34	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96
Page 2

—Project Information—

Station ID:	C2	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	02B88173

—Sample Information—

		Date Sampled:	03/07/96
Lab ID:	AA88178	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/11/96
		Log In Time:	16:16

—Test Information—

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech

Remarks:

Signed:

James M. G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	05:23	DH
3-Methylphenol	SW8270	100	Not Det	03/15/96	05:23	DH
2-Methylphenol	SW8270	100	Not Det	03/15/96	05:23	DH
4-Methylphenol	SW8270	100	Not Det	03/15/96	05:23	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	05:23	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/15/96	05:23	DH
Hexachlorobenzene	SW8270	100	Not Det	03/15/96	05:23	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/15/96	05:23	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	05:23	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	05:23	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	05:23	DH
Pyridine	SW8270	200	Not Det	03/15/96	05:23	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	05:23	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	05:23	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	53	03/15/96	05:23	DH
sur-Phenol-d6 %R 10-94	SW8270	0	32	03/15/96	05:23	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	65	03/15/96	05:23	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	69	03/15/96	05:23	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	05:23	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	62	03/15/96	05:23	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000348

TEST DATA REPORT

03/19/96

Page 1

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	02:48	DH
Acenaphthene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Acenaphthylene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Anthracene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benz(a)anthracene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benzo(b)fluoranthene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benzo(k)fluoranthene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benzo(g,h,i)perylene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benzo(a)pyrene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Benzoic acid	SW8270	25600000	Not Det	03/14/96	02:48	DH
Benzyl alcohol	SW8270	10200000	Not Det	03/14/96	02:48	DH
bis(2-Chloroethoxy)methane	SW8270	5120000	Not Det	03/14/96	02:48	DH
bis(2-Chloroethyl)ether	SW8270	5120000	Not Det	03/14/96	02:48	DH
bis(2-Chloroisopropyl)ether	SW8270	5120000	Not Det	03/14/96	02:48	DH
bis(2-Ethylhexyl)phthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH
4-Bromophenyl phenyl ether	SW8270	5120000	Not Det	03/14/96	02:48	DH
Butyl benzyl phthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH
4-Chloroaniline	SW8270	10200000	Not Det	03/14/96	02:48	DH
4-Chloro-3-methylphenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
2-Chloronaphthalene	SW8270	5120000	Not Det	03/14/96	02:48	DH
2-Chlorophenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
4-Chlorophenyl phenyl ether	SW8270	5120000	Not Det	03/14/96	02:48	DH
Chrysene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Dibenz(a,h)anthracene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Dibenzofuran	SW8270	5120000	Not Det	03/14/96	02:48	DH
Di-n-butylphthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
1,3-Dichlorobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
1,4-Dichlorobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
3,3'-Dichlorobenzidine	SW8270	10200000	Not Det	03/14/96	02:48	DH
2,4-Dichlorophenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
Diethylphthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH
2,4-Dimethylphenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
Dimethylphthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH
4,6-Dinitro-2-methylphenol	SW8270	25600000	Not Det	03/14/96	02:48	DH
2,4-Dinitrophenol	SW8270	25600000	Not Det	03/14/96	02:48	DH
2,4-Dinitrotoluene	SW8270	5120000	Not Det	03/14/96	02:48	DH
2,6-Dinitrotoluene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Di-n-octylphthalate	SW8270	5120000	Not Det	03/14/96	02:48	DH
Fluoranthene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Fluorene	SW8270	5120000	18300 J	03/14/96	02:48	DH
Hexachlorobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Hexachlorobutadiene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Hexachlorocyclopentadiene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Hexachloroethane	SW8270	5120000	Not Det	03/14/96	02:48	DH
Indeno(1,2,3-cd)pyrene	SW8270	5120000	Not Det	03/14/96	02:48	DH
Isophorone	SW8270	5120000	Not Det	03/14/96	02:48	DH
2-Methylnaphthalene	SW8270	5120000	75800 J	03/14/96	02:48	DH
2-Methylphenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
4-Methylphenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
Naphthalene	SW8270	5120000	73200 J	03/14/96	02:48	DH
2-Nitroaniline	SW8270	25600000	Not Det	03/14/96	02:48	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 3

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	25600000	Not Det	03/14/96	02:48	DH
4-Nitroaniline	SW8270	25600000	Not Det	03/14/96	02:48	DH
Nitrobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
2-Nitrophenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
4-Nitrophenol	SW8270	25600000	Not Det	03/14/96	02:48	DH
n-Nitrosodiphenylamine	SW8270	5120000	Not Det	03/14/96	02:48	DH
n-Nitrosodi-n-propylamine	SW8270	5120000	Not Det	03/14/96	02:48	DH
Pentachlorophenol	SW8270	15400000	Not Det	03/14/96	02:48	DH
Phenanthrene	SW8270	5120000	35000 J	03/14/96	02:48	DH
Phenol	SW8270	5120000	Not Det	03/14/96	02:48	DH
Pyrene	SW8270	5120000	Not Det	03/14/96	02:48	DH
1,2,4-Trichlorobenzene	SW8270	5120000	Not Det	03/14/96	02:48	DH
2,4,5-Trichlorophenol	SW8270	10200000	Not Det	03/14/96	02:48	DH
2,4,6-Trichlorophenol	SW8270	5120000	Not Det	03/14/96	02:48	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 4

Station ID: F2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	02:48	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	02:48	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	02:48	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	02:48	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	02:48	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	02:48	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88180	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	F2	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.38	32300000
Unknown Aromatic	13.39	4100000
Unknown	21.07	3070000
Unknown	23.33	13800000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

— Project Information —

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

— Sample Information —

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	06:16	DH
3-Methylphenol	SW8270	500	372 J CE	03/15/96	06:16	DH
2-Methylphenol	SW8270	500	Not Det	03/15/96	06:16	DH
4-Methylphenol	SW8270	500	372 J CE	03/15/96	06:16	DH
1,4-Dichlorobenzene	SW8270	500	Not Det	03/15/96	06:16	DH
Hexachloroethane	SW8270	500	Not Det	03/15/96	06:16	DH
Nitrobenzene	SW8270	500	Not Det	03/15/96	06:16	DH
Pentachlorophenol	SW8270	1500	Not Det	03/15/96	06:16	DH
Pyridine	SW8270	1000	Not Det	03/15/96	06:16	DH
2,4,5-Trichlorophenol	SW8270	1000	Not Det	03/15/96	06:16	DH
2,4,6-Trichlorophenol	SW8270	500	Not Det	03/15/96	06:16	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	65	03/15/96	06:16	DH
sur-Phenol-d6 %R 10-94	SW8270	0	53	03/15/96	06:16	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	95	03/15/96	06:16	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	106	03/15/96	06:16	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	61	03/15/96	06:16	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	90	03/15/96	06:16	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/21/96	14:36	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/21/96	14:36	DH
Hexachlorobenzene	SW8270	100	Not Det	03/21/96	14:36	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/21/96	14:36	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	75	03/21/96	14:36	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	75	03/21/96	14:36	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	76	03/21/96	14:36	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96
Page 2

—Project Information—

Station ID:	F2	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	02B88173

—Sample Information—

		Date Sampled:	03/07/96
Lab ID:	AA88180	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/11/96
		Log In Time:	16:16

—Test Information—

Parameter	Method	Det Lim	Result	Date	Analysis Time	Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000355

TEST DATA REPORT

03/22/96

Page 1

--- Project Information ---

Station ID: F1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	07:10	DH
3-Methylphenol	SW8270	100	103 CE	03/15/96	07:10	DH
2-Methylphenol	SW8270	100	36.7 J	03/15/96	07:10	DH
4-Methylphenol	SW8270	100	103 CE	03/15/96	07:10	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	07:10	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	07:10	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	07:10	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	07:10	DH
Pyridine	SW8270	200	Not Det	03/15/96	07:10	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	07:10	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	07:10	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	56	03/15/96	07:10	DH
sur-Phenol-d6 %R 10-94	SW8270	0	52	03/15/96	07:10	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	60	03/15/96	07:10	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	78	03/15/96	07:10	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	07:10	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	70	03/15/96	07:10	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	08:03	DH
3-Methylphenol	SW8270	100	245 CE	03/15/96	08:03	DH
2-Methylphenol	SW8270	100	104	03/15/96	08:03	DH
4-Methylphenol	SW8270	100	245 CE	03/15/96	08:03	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	08:03	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	08:03	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	08:03	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	08:03	DH
Pyridine	SW8270	200	Not Det	03/15/96	08:03	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	08:03	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	08:03	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	53	03/15/96	08:03	DH
sur-Phenol-d6 %R 10-94	SW8270	0	51	03/15/96	08:03	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	77	03/15/96	08:03	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	71	03/15/96	08:03	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	08:03	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	66	03/15/96	08:03	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	08:57	DH
3-Methylphenol	SW8270	100	Not Det	03/15/96	08:57	DH
2-Methylphenol	SW8270	100	Not Det	03/15/96	08:57	DH
4-Methylphenol	SW8270	100	Not Det	03/15/96	08:57	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	08:57	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/15/96	08:57	DH
Hexachlorobenzene	SW8270	100	Not Det	03/15/96	08:57	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/15/96	08:57	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	08:57	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	08:57	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	08:57	DH
Pyridine	SW8270	200	Not Det	03/15/96	08:57	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	08:57	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	08:57	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	46	03/15/96	08:57	DH
sur-Phenol-d6 %R 10-94	SW8270	0	15	03/15/96	08:57	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	38	03/15/96	08:57	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	70	03/15/96	08:57	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	47	03/15/96	08:57	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	65	03/15/96	08:57	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

000358

03/22/96

Page 1

Station ID: E2

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	09:48	DH
3-Methylphenol	SW8270	100	69.6 J CE	03/15/96	09:48	DH
2-Methylphenol	SW8270	100	Not Det	03/15/96	09:48	DH
4-Methylphenol	SW8270	100	69.6 J CE	03/15/96	09:48	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	09:48	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	09:48	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	09:48	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	09:48	DH
Pyridine	SW8270	200	Not Det	03/15/96	09:48	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	09:48	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	09:48	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	57	03/15/96	09:48	DH
sur-Phenol-d6 %R 10-94	SW8270	0	51	03/15/96	09:48	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	62	03/15/96	09:48	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	71	03/15/96	09:48	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	09:48	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	66	03/15/96	09:48	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	14:02	DH
Acenaphthene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Acenaphthylene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Anthracene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benz(a)anthracene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benzo(b)fluoranthene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benzo(k)fluoranthene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benzo(g,h,i)perylene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benzo(a)pyrene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Benzoic acid	SW8270	23400000	Not Det	03/14/96	14:02	DH
Benzyl alcohol	SW8270	9380000	Not Det	03/14/96	14:02	DH
bis(2-Chloroethoxy)methane	SW8270	4690000	Not Det	03/14/96	14:02	DH
bis(2-Chloroethyl)ether	SW8270	4690000	Not Det	03/14/96	14:02	DH
bis(2-Chloroisopropyl)ether	SW8270	4690000	Not Det	03/14/96	14:02	DH
bis(2-Ethylhexyl)phthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH
4-Bromophenyl phenyl ether	SW8270	4690000	Not Det	03/14/96	14:02	DH
Butyl benzyl phthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH
4-Chloroaniline	SW8270	9380000	Not Det	03/14/96	14:02	DH
4-Chloro-3-methylphenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
2-Chloronaphthalene	SW8270	4690000	Not Det	03/14/96	14:02	DH
2-Chlorophenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
4-Chlorophenyl phenyl ether	SW8270	4690000	Not Det	03/14/96	14:02	DH
Chrysene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Dibenz(a,h)anthracene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Dibenzofuran	SW8270	4690000	Not Det	03/14/96	14:02	DH
Di-n-butylphthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000360

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
1,3-Dichlorobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
1,4-Dichlorobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
3,3'-Dichlorobenzidine	SW8270	9380000	Not Det	03/14/96	14:02	DH
2,4-Dichlorophenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
Diethylphthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH
2,4-Dimethylphenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
Dimethylphthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH
4,6-Dinitro-2-methylphenol	SW8270	23400000	Not Det	03/14/96	14:02	DH
2,4-Dinitrophenol	SW8270	23400000	Not Det	03/14/96	14:02	DH
2,4-Dinitrotoluene	SW8270	4690000	Not Det	03/14/96	14:02	DH
2,6-Dinitrotoluene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Di-n-octylphthalate	SW8270	4690000	Not Det	03/14/96	14:02	DH
Fluoranthene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Fluorene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Hexachlorobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Hexachlorobutadiene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Hexachlorocyclopentadiene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Hexachloroethane	SW8270	4690000	Not Det	03/14/96	14:02	DH
Indeno(1,2,3-cd)pyrene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Isophorone	SW8270	4690000	Not Det	03/14/96	14:02	DH
2-Methylnaphthalene	SW8270	4690000	Not Det	03/14/96	14:02	DH
2-Methylphenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
4-Methylphenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
Naphthalene	SW8270	4690000	507000 J	03/14/96	14:02	DH
2-Nitroaniline	SW8270	23400000	Not Det	03/14/96	14:02	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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Station ID: E1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
3-Nitroaniline	SW8270	23400000	Not Det	03/14/96	14:02	DH
4-Nitroaniline	SW8270	23400000	Not Det	03/14/96	14:02	DH
Nitrobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
2-Nitrophenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
4-Nitrophenol	SW8270	23400000	Not Det	03/14/96	14:02	DH
n-Nitrosodiphenylamine	SW8270	4690000	Not Det	03/14/96	14:02	DH
n-Nitrosodi-n-propylamine	SW8270	4690000	Not Det	03/14/96	14:02	DH
Pentachlorophenol	SW8270	14100000	Not Det	03/14/96	14:02	DH
Phenanthrene	SW8270	4690000	Not Det	03/14/96	14:02	DH
Phenol	SW8270	4690000	Not Det	03/14/96	14:02	DH
Pyrene	SW8270	4690000	Not Det	03/14/96	14:02	DH
1,2,4-Trichlorobenzene	SW8270	4690000	Not Det	03/14/96	14:02	DH
2,4,5-Trichlorophenol	SW8270	9380000	Not Det	03/14/96	14:02	DH
2,4,6-Trichlorophenol	SW8270	4690000	Not Det	03/14/96	14:02	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: E1

BAILEY PROJECT GE39133

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	14:02	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	14:02	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	14:02	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	14:02	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	14:02	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	14:02	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88185	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	E1	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.35	27700000
Nonane	8.15	7500000
Unknown	13.36	2810000
Unknown	21.03	4220000
Unknown Aromatic	23.29	14100000
Heptadecane, 2,6,10,15-tetramethyl-	23.69	1880000
Unknown	25.58	10800000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/15/96	10:42	DH
3-Methylphenol	SW8270	100	87.1 J CE	03/15/96	10:42	DH
2-Methylphenol	SW8270	100	20.9 J	03/15/96	10:42	DH
4-Methylphenol	SW8270	100	87.1 J CE	03/15/96	10:42	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/15/96	10:42	DH
Hexachloroethane	SW8270	100	Not Det	03/15/96	10:42	DH
Nitrobenzene	SW8270	100	Not Det	03/15/96	10:42	DH
Pentachlorophenol	SW8270	300	Not Det	03/15/96	10:42	DH
Pyridine	SW8270	200	Not Det	03/15/96	10:42	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/15/96	10:42	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/15/96	10:42	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	60	03/15/96	10:42	DH
sur-Phenol-d6 %R 10-94	SW8270	0	56	03/15/96	10:42	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	74	03/15/96	10:42	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	80	03/15/96	10:42	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/15/96	10:42	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	76	03/15/96	10:42	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96

Page 1

--- Project Information ---

Station ID: C2 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86029

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	21:05	DH
3-Methylphenol	SW8270	1000	Not Det	03/14/96	21:05	DH
2-Methylphenol	SW8270	1000	Not Det	03/14/96	21:05	DH
4-Methylphenol	SW8270	1000	Not Det	03/14/96	21:05	DH
1,4-Dichlorobenzene	SW8270	1000	90.3 J	03/14/96	21:05	DH
Hexachloroethane	SW8270	1000	Not Det	03/14/96	21:05	DH
Nitrobenzene	SW8270	1000	Not Det	03/14/96	21:05	DH
Pentachlorophenol	SW8270	3000	Not Det	03/14/96	21:05	DH
Pyridine	SW8270	2000	Not Det	03/14/96	21:05	DH
2,4,5-Trichlorophenol	SW8270	2000	Not Det	03/14/96	21:05	DH
2,4,6-Trichlorophenol	SW8270	1000	Not Det	03/14/96	21:05	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	47	03/14/96	21:05	DH
sur-Phenol-d6 %R 10-94	SW8270	0	32	03/14/96	21:05	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	100	03/14/96	21:05	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	89	03/14/96	21:05	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	53	03/14/96	21:05	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	73	03/14/96	21:05	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/21/96	16:26	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/21/96	16:26	DH
Hexachlorobenzene	SW8270	100	Not Det	03/21/96	16:26	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/21/96	16:26	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	18	03/21/96	16:26	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	19	03/21/96	16:26	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	17	03/21/96	16:26	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96
Page 2

—Project Information—

Station ID: C2 MS
BAILEY PROJECT GE3913

Project Name: BAILTCLP
SDG: 02B88173

—Sample Information—

Lab ID: AA86029
Collector: WISEALOWSKI

Date Sampled: 03/07/96
Time Sampled: 00:00
Log In Date: 03/11/96
Log In Time: 16:16

—Test Information—

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000367

TEST DATA REPORT

03/22/96

Page 1

--- Project Information ---

Station ID: C2 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86030

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	21:59	DH
3-Methylphenol	SW8270	1000	Not Det	03/14/96	21:59	DH
2-Methylphenol	SW8270	1000	Not Det	03/14/96	21:59	DH
4-Methylphenol	SW8270	1000	Not Det	03/14/96	21:59	DH
1,4-Dichlorobenzene	SW8270	1000	Not Det	03/14/96	21:59	DH
Hexachloroethane	SW8270	1000	Not Det	03/14/96	21:59	DH
Nitrobenzene	SW8270	1000	Not Det	03/14/96	21:59	DH
Pentachlorophenol	SW8270	3000	Not Det	03/14/96	21:59	DH
Pyridine	SW8270	2000	Not Det	03/14/96	21:59	DH
2,4,5-Trichlorophenol	SW8270	2000	Not Det	03/14/96	21:59	DH
2,4,6-Trichlorophenol	SW8270	1000	Not Det	03/14/96	21:59	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	49	03/14/96	21:59	DH
sur-Phenol-d6 %R 10-94	SW8270	0	56	03/14/96	21:59	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	87	03/14/96	21:59	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	83	03/14/96	21:59	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	53	03/14/96	21:59	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	75	03/14/96	21:59	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/21/96	17:18	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/21/96	17:18	DH
Hexachlorobenzene	SW8270	100	Not Det	03/21/96	17:18	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/21/96	17:18	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	28	03/21/96	17:18	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	34	03/21/96	17:18	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	30	03/21/96	17:18	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/22/96
Page 2

—Project Information—

Station ID:	C2 MSD	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	02B88173

—Sample Information—

		Date Sampled:	03/07/96
Lab ID:	AA86030	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/11/96
		Log In Time:	16:16

—Test Information—

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech

Remarks:

Signed:

James M.G. Tusci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 1

--- Project Information ---

Station ID: SSB8018
BAILEY PROJECT GE3913

Project Name: BAILTCLP
SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980
Collector:

Date Sampled: 03/11/96
Time Sampled: 08:45
Log In Date: 03/11/96
Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/13/96	22:20	DH
Acenaphthene	SW8270	333	Not Det	03/13/96	22:20	DH
Acenaphthylene	SW8270	333	Not Det	03/13/96	22:20	DH
Anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Benz(a)anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(b)fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(k)fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(g,h,i)perylene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(a)pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzoic acid	SW8270	1670	Not Det	03/13/96	22:20	DH
Benzyl alcohol	SW8270	667	Not Det	03/13/96	22:20	DH
bis(2-Chloroethoxy)methane	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Chloroethyl)ether	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Chloroisopropyl)ether	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Ethylhexyl)phthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4-Bromophenyl phenyl ether	SW8270	333	Not Det	03/13/96	22:20	DH
Butyl benzyl phthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4-Chloroaniline	SW8270	667	Not Det	03/13/96	22:20	DH
4-Chloro-3-methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
2-Chloronaphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Chlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Chlorophenyl phenyl ether	SW8270	333	Not Det	03/13/96	22:20	DH
Chrysene	SW8270	333	Not Det	03/13/96	22:20	DH
Dibenz(a,h)anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Dibenzofuran	SW8270	333	Not Det	03/13/96	22:20	DH
Di-n-butylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000376

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SSB8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
1,3-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
1,4-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
3,3'-Dichlorobenzidine	SW8270	667	Not Det	03/13/96	22:20	DH
2,4-Dichlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH
Diethylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
2,4-Dimethylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
Dimethylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4,6-Dinitro-2-methylphenol	SW8270	1670	Not Det	03/13/96	22:20	DH
2,4-Dinitrophenol	SW8270	1670	Not Det	03/13/96	22:20	DH
2,4-Dinitrotoluene	SW8270	333	Not Det	03/13/96	22:20	DH
2,6-Dinitrotoluene	SW8270	333	Not Det	03/13/96	22:20	DH
Di-n-octylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
Fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Fluorene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorobutadiene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorocyclopentadiene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachloroethane	SW8270	333	Not Det	03/13/96	22:20	DH
Indeno(1,2,3-cd)pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
Isophorone	SW8270	333	Not Det	03/13/96	22:20	DH
2-Methylnaphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
Naphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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Station ID: SSB8018

BAILEY PROJECT GE3913

Lab ID: AA85980

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH
4-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH
Nitrobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Nitrophenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Nitrophenol	SW8270	1670	Not Det	03/13/96	22:20	DH
n-Nitrosodiphenylamine	SW8270	333	Not Det	03/13/96	22:20	DH
n-Nitrosodi-n-propylamine	SW8270	333	Not Det	03/13/96	22:20	DH
Pentachlorophenol	SW8270	1000	Not Det	03/13/96	22:20	DH
Phenanthrene	SW8270	333	Not Det	03/13/96	22:20	DH
Phenol	SW8270	333	Not Det	03/13/96	22:20	DH
Pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
1,2,4-Trichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
2,4,5-Trichlorophenol	SW8270	667	Not Det	03/13/96	22:20	DH
2,4,6-Trichlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: SSB8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	46	03/13/96	22:20	DH
sur-Phenol-d6 %R 24-113	SW8270	0	49	03/13/96	22:20	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	60	03/13/96	22:20	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	63	03/13/96	22:20	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	43	03/13/96	22:20	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	61	03/13/96	22:20	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA85980	Matrix: (soil/water)	Soil
SDG No. :	02B88173	Level: (low/med)	Low
Client ID :	SSB8018	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION

None Detected

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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Page 1

Station ID: SWB8034

BAILEY PROJECT GE3913

Lab ID: AA86016

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Date Sampled: 03/13/96

Time Sampled: 11:00

Log In Date: 03/13/96

Log In Time: 11:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	17:30	DH
3-Methylphenol	SW8270	10.0	Not Det	03/14/96	17:30	DH
2-Methylphenol	SW8270	10.0	Not Det	03/14/96	17:30	DH
4-Methylphenol	SW8270	10.0	Not Det	03/14/96	17:30	DH
1,4-Dichlorobenzene	SW8270	10.0	Not Det	03/14/96	17:30	DH
2,4-Dinitrotoluene	SW8270	10.0	Not Det	03/14/96	17:30	DH
Hexachlorobenzene	SW8270	10.0	Not Det	03/14/96	17:30	DH
Hexachlorobutadiene	SW8270	10.0	Not Det	03/14/96	17:30	DH
Hexachloroethane	SW8270	10.0	Not Det	03/14/96	17:30	DH
Nitrobenzene	SW8270	10.0	Not Det	03/14/96	17:30	DH
Pentachlorophenol	SW8270	30.0	Not Det	03/14/96	17:30	DH
Pyridine	SW8270	20.0	Not Det	03/14/96	17:30	DH
2,4,5-Trichlorophenol	SW8270	20.0	Not Det	03/14/96	17:30	DH
2,4,6-Trichlorophenol	SW8270	10.0	Not Det	03/14/96	17:30	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	65	03/14/96	17:30	DH
sur-Phenol-d6 %R 10-94	SW8270	0	60	03/14/96	17:30	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	77	03/14/96	17:30	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	74	03/14/96	17:30	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	60	03/14/96	17:30	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	73	03/14/96	17:30	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

000375

03/19/96

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--- Project Information ---

Station ID: TCLPSB8029

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA85987

Collector:

Date Sampled: 03/12/96

Time Sampled: 16:00

Log In Date: 03/12/96

Log In Time: 16:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/12/96	16:00	DT
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	19:18	DH
3-Methylphenol	SW8270	10.0	Not Det	03/14/96	19:18	DH
2-Methylphenol	SW8270	10.0	Not Det	03/14/96	19:18	DH
4-Methylphenol	SW8270	10.0	Not Det	03/14/96	19:18	DH
1,4-Dichlorobenzene	SW8270	10.0	Not Det	03/14/96	19:18	DH
2,4-Dinitrotoluene	SW8270	10.0	Not Det	03/14/96	19:18	DH
Hexachlorobenzene	SW8270	10.0	Not Det	03/14/96	19:18	DH
Hexachlorobutadiene	SW8270	10.0	Not Det	03/14/96	19:18	DH
Hexachloroethane	SW8270	10.0	Not Det	03/14/96	19:18	DH
Nitrobenzene	SW8270	10.0	Not Det	03/14/96	19:18	DH
Pentachlorophenol	SW8270	30.0	Not Det	03/14/96	19:18	DH
Pyridine	SW8270	20.0	Not Det	03/14/96	19:18	DH
2,4,5-Trichlorophenol	SW8270	20.0	Not Det	03/14/96	19:18	DH
2,4,6-Trichlorophenol	SW8270	10.0	Not Det	03/14/96	19:18	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	91	03/14/96	19:18	DH
sur-Phenol-d6 %R 10-94	SW8270	0	49	03/14/96	19:18	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	39	03/14/96	19:18	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	46	03/14/96	19:18	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	49	03/14/96	19:18	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	69	03/14/96	19:18	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : TCLPSB8029

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 03/12/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : SSB8018

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
SSB8018	AA85980	3/11/96	SQ	LB
SSL8018	AA85981	3/11/96	SQ	BS
B1	AA88173	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8270
initial
Extraction Method : SW3550
Matrix : SQ
Units : ug/Kg

Sample Name : SSL8018
LIMS Sample ID : AA85981
Date of Extraction : 3/11/96
Time of Extraction : 08:45
Date of Analysis : 3/13/96
Time of Analysis : 23:14

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,2,4-Trichlorobenzene	1,670	964	58		44	142	PR
1,2-Dichlorobenzene	1,670	856	51		32	128	PR
1,3-Dichlorobenzene	1,670	840	50		0	132	PR
1,4-Dichlorobenzene	1,670	862	52		20	124	PR
2,4,5-Trichlorophenol	1,670	1,010	61		35	141	PR
2,4,6-Trichlorophenol	1,670	1,010	61		45	144	PR
2,4-Dichlorophenol	1,670	983	58		39	135	PR
2,4-Dimethylphenol	1,670	634	38		32	119	PR
2,4-Dinitrophenol	1,670	454	27		0	134	PR
2,4-Dinitrotoluene	1,670	1,100	66		47	129	PR
2,6-Dinitrotoluene	1,670	1,140	68		51	132	PR
2-Chloronaphthalene	1,670	1,020	61		60	115	PR
2-Chlorophenol	1,670	879	53		23	127	PR
2-Methylnaphthalene	1,670	983	59		0	146	PR
2-Methylphenol	1,670	879	53		13	141	PR
2-Nitroaniline	3,330	1,600	48		0	130	PR
2-Nitrophenol	1,670	836	50		29	137	PR
3,3'-Dichlorobenzidine	1,670	855	51		0	262	PR
3-Nitroaniline	3,330	1,600	48		0	130	PR
4,6-Dinitro-2-methylphenol	1,670	800	48		0	140	PR
4-Bromophenyl phenyl ether	1,670	916	55	*	60	127	PR
4-Chloro-3-methylphenol	1,670	1,050	63		39	131	PR
4-Chloroaniline	1,670	2,850	171	*	0	134	PR
4-Chlorophenyl phenyl ether	1,670	1,100	66		48	133	PR
4-Methylphenol	1,670	986	59		23	132	PR
4-Nitroaniline	1,670	1,630	98		0	250	PR
4-Nitrophenol	1,670	928	56		0	132	PR
Acenaphthene	1,670	1,060	64		47	135	PR
Acenaphthylene	1,670	1,120	67		33	144	PR
Anthracene	1,670	976	59		40	127	PR
Benz(a)anthracene	1,670	1,160	70		43	136	PR
Benzo(a)pyrene	1,670	1,020	61		17	152	PR
Benzo(b)fluoranthene	1,670	1,040	62		24	153	PR
Benzo(g,h,i)perylene	1,670	1,070	64		0	154	PR
Benzo(k)fluoranthene	1,670	1,130	68		11	162	PR
Benzoic acid	1,670	22.6	1		0	250	PR
Benzyl alcohol	1,670	997	60		0	118	PR
Butyl benzyl phthalate	1,670	1,170	70		54	143	PR
Chrysene	1,670	1,200	72		38	146	PR
Di-n-butylphthalate	1,670	1,160	70		43	118	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8270
Initial
Extraction Method : SW3550
Matrix : SQ
Units : ug/Kg

Sample Name : SSL8018
LIMS Sample ID : AA85981
Date of Extraction : 3/11/96
Time of Extraction : 08:45
Date of Analysis : 3/13/96
Time of Analysis : 23:14

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Di-n-octylphthalate	1,670	1,190	71		4	146	PR
Dibenz(a,h)anthracene	1,670	988	59		0	166	PR
Dibenzofuran	1,670	1,080	65		0	142	PR
Diethylphthalate	1,670	1,230	74		36	114	PR
Dimethylphthalate	1,670	1,110	67		33	112	PR
Fluoranthene	1,670	1,100	66		41	136	PR
Fluorene	1,670	1,130	68		59	121	PR
Hexachlorobenzene	1,670	960	58		42	144	PR
Hexachlorobutadiene	1,670	970	58		24	116	PR
Hexachlorocyclopentadiene	1,670	821	49		0	121	PR
Hexachloroethane	1,670	912	55		40	113	PR
Indeno(1,2,3-cd)pyrene	1,670	1,820	109		3	153	PR
Isophorone	1,670	928	56		21	134	PR
Naphthalene	1,670	990	59		33	127	PR
Nitrobenzene	1,670	896	54		35	142	PR
Pentachlorophenol	1,670	811	49		14	155	PR
Phenanthrene	1,670	1,020	61		60	120	PR
Phenol	1,670	854	51		29	112	PR
Pyrene	1,670	1,150	69		60	115	PR
bis(2-Chloroethoxy)methane	1,670	992	60		33	154	PR
bis(2-Chloroethyl)ether	1,670	888	53		12	145	PR
bis(2-Chloroisopropyl)ether	1,670	939	56		36	160	PR
bis(2-Ethylhexyl)phthalate	1,670	1,230	74		49	158	PR
n-Nitrosodi-n-propylamine	1,670	850	51		0	139	PR
n-Nitrosodiphenylamine	1,670	2,380	143		0	250	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : SWB8034

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 02B88173

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8029	AA85987	3/12/96	SQ	LB
SWB8034	AA86016	3/13/96	WQ	LB
SWL8034	AA86017	3/13/96	WQ	BS
C2 MS	AA86029	3/7/96	SQ	MS
C2 MSD	AA86030	3/7/96	SQ	SD
B1	AA88173	3/7/96	SO	N
D1	AA88174	3/7/96	SO	N
D3	AA88175	3/7/96	SO	N
D2	AA88176	3/7/96	SO	N
F3	AA88177	3/7/96	SO	N
C2	AA88178	3/7/96	SO	N
B2	AA88179	3/7/96	SO	N
F2	AA88180	3/7/96	SO	N
F1	AA88181	3/7/96	SO	N
F4	AA88182	3/7/96	SO	N
B3	AA88183	3/7/96	SO	N
E2	AA88184	3/7/96	SO	N
E1	AA88185	3/7/96	SO	N

MSD : SW8270
initial
Extraction : SW3520
Matrix : SQ
Units : ug/L
Neat Sample : AA88178

MS Sample Name : C2 MS
MS LIMS ID : AA86029
MS Extraction : 3/13/96
MS Extraction : 11:00
MS Analysis : 3/14/96
MS Analysis : 21:05

MSD Sample Name : C2 MSD
MSD LIMS ID : AA86030
MSD Extraction : 3/13/96
MSD Extraction : 11:00
MSD Analysis : 3/14/96
MSD Analysis : 21:59

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
1,4-Dichlorobenzene	0	100	90.3	90		100	0	0	*	200	*	20	124	40	PR
2,4-Dinitrotoluene	0	100	0	0	*	100	0	0	*			44	135	40	PR
Hexachlorobenzene	0	100	122	122		100	0	0	*	200	*	34	152	40	PR
Pentachlorophenol	0	100	0	0	*	100	0	0	*			14	176	40	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

MSD : SW8270
retest
Extraction : SW3520
Matrix : SQ
Units : ug/L
Neat Sample : AA88178

MS Sample Name : C2 MS
MS LIMS ID : AA86029
MS Extraction : 3/13/96
MS Extraction : 11:00
MS Analysis : 3/21/96
MS Analysis : 16:26

MSD Sample Name : C2 MSD
MSD LIMS ID : AA86030
MSD Extraction : 3/13/96
MSD Extraction : 11:00
MSD Analysis : 3/21/96
MSD Analysis : 17:18

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
2,4-Dinitrotoluene	0	100	0	0	*	500	0	0	*			44	135	40	PR
Hexachlorobenzene	0	100	122	122		500	0	0	*	200	*	34	152	40	PR

LCS : SW8270
initial
Extraction Method : SW3520
Matrix : WQ
Units : ug/L

Sample Name : SWL8034
LIMS Sample ID : AA86017
Date of Extraction : 3/13/96
Time of Extraction : 11:00
Date of Analysis : 3/14/96
Time of Analysis : 16:24

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,4-Dichlorobenzene	50	28.8	58		20	124	PR
2,4,5-Trichlorophenol	50	34.1	68		38	142	PR
2,4,6-Trichlorophenol	50	37.1	74		42	144	PR
2,4-Dinitrotoluene	50	36.1	72		44	135	PR
2-Methylphenol	50	34	68		0	169	PR
3-Methylphenol	100	34.2	34		24	142	PR
4-Methylphenol	100	34.2	34		24	142	PR
Hexachlorobenzene	50	31.8	64		34	152	PR
Hexachlorobutadiene	50	30.7	61		33	116	PR
Hexachloroethane	50	25.9	52		40	113	PR
Nitrobenzene	50	37.1	74		35	140	PR
Pentachlorophenol	50	29	58		14	176	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/13/96	23:14	DH
Acenaphthene	SW8270	333	1060	03/13/96	23:14	DH
Acenaphthylene	SW8270	333	1120	03/13/96	23:14	DH
Anthracene	SW8270	333	976	03/13/96	23:14	DH
Benz(a)anthracene	SW8270	333	1160	03/13/96	23:14	DH
Benzo(b)fluoranthene	SW8270	333	1040	03/13/96	23:14	DH
Benzo(k)fluoranthene	SW8270	333	1130	03/13/96	23:14	DH
Benzo(g,h,i)perylene	SW8270	333	1070	03/13/96	23:14	DH
Benzo(a)pyrene	SW8270	333	1020	03/13/96	23:14	DH
Benzoic acid	SW8270	1670	22.6 J	03/13/96	23:14	DH
Benzyl alcohol	SW8270	667	997	03/13/96	23:14	DH
bis(2-Chloroethoxy)methane	SW8270	333	992	03/13/96	23:14	DH
bis(2-Chloroethyl)ether	SW8270	333	888	03/13/96	23:14	DH
bis(2-Chloroisopropyl)ether	SW8270	333	939	03/13/96	23:14	DH
bis(2-Ethylhexyl)phthalate	SW8270	333	1230	03/13/96	23:14	DH
4-Bromophenyl phenyl ether	SW8270	333	916	03/13/96	23:14	DH
Butyl benzyl phthalate	SW8270	333	1170	03/13/96	23:14	DH
4-Chloroaniline	SW8270	667	2850	03/13/96	23:14	DH
4-Chloro-3-methylphenol	SW8270	333	1050	03/13/96	23:14	DH
2-Chloronaphthalene	SW8270	333	1020	03/13/96	23:14	DH
2-Chlorophenol	SW8270	333	879	03/13/96	23:14	DH
4-Chlorophenyl phenyl ether	SW8270	333	1100	03/13/96	23:14	DH
Chrysene	SW8270	333	1200	03/13/96	23:14	DH
Dibenz(a,h)anthracene	SW8270	333	988	03/13/96	23:14	DH
Dibenzofuran	SW8270	333	1080	03/13/96	23:14	DH
Di-n-butylphthalate	SW8270	333	1160	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	333	856	03/13/96	23:14	DH
1,3-Dichlorobenzene	SW8270	333	840	03/13/96	23:14	DH
1,4-Dichlorobenzene	SW8270	333	862	03/13/96	23:14	DH
3,3'-Dichlorobenzidine	SW8270	667	855	03/13/96	23:14	DH
2,4-Dichlorophenol	SW8270	333	963	03/13/96	23:14	DH
Diethylphthalate	SW8270	333	1230	03/13/96	23:14	DH
2,4-Dimethylphenol	SW8270	333	634	03/13/96	23:14	DH
Dimethylphthalate	SW8270	333	1110	03/13/96	23:14	DH
4,6-Dinitro-2-methylphenol	SW8270	1670	800 J	03/13/96	23:14	DH
2,4-Dinitrophenol	SW8270	1670	454 J	03/13/96	23:14	DH
2,4-Dinitrotoluene	SW8270	333	1100	03/13/96	23:14	DH
2,6-Dinitrotoluene	SW8270	333	1140	03/13/96	23:14	DH
Di-n-octylphthalate	SW8270	333	1190	03/13/96	23:14	DH
Fluoranthene	SW8270	333	1100	03/13/96	23:14	DH
Fluorene	SW8270	333	1130	03/13/96	23:14	DH
Hexachlorobenzene	SW8270	333	960	03/13/96	23:14	DH
Hexachlorobutadiene	SW8270	333	970	03/13/96	23:14	DH
Hexachlorocyclopentadiene	SW8270	333	821	03/13/96	23:14	DH
Hexachloroethane	SW8270	333	912	03/13/96	23:14	DH
Indeno(1,2,3-cd)pyrene	SW8270	333	1820	03/13/96	23:14	DH
Isophorone	SW8270	333	928	03/13/96	23:14	DH
2-Methylnaphthalene	SW8270	333	983	03/13/96	23:14	DH
2-Methylphenol	SW8270	333	879	03/13/96	23:14	DH
4-Methylphenol	SW8270	333	986	03/13/96	23:14	DH
Naphthalene	SW8270	333	990	03/13/96	23:14	DH
2-Nitroaniline	SW8270	1670	1600 CE J	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 3

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	1670	1600 CR J	03/13/96	23:14	DH
4-Nitroaniline	SW8270	1670	1630 J	03/13/96	23:14	DH
Nitrobenzene	SW8270	333	896	03/13/96	23:14	DH
2-Nitrophenol	SW8270	333	836	03/13/96	23:14	DH
4-Nitrophenol	SW8270	1670	928 J	03/13/96	23:14	DH
n-Nitrosodiphenylamine	SW8270	333	2380	03/13/96	23:14	DH
n-Nitrosodi-n-propylamine	SW8270	333	850	03/13/96	23:14	DH
Pentachlorophenol	SW8270	1000	811 J	03/13/96	23:14	DH
Phenanthrene	SW8270	333	1020	03/13/96	23:14	DH
Phenol	SW8270	333	854	03/13/96	23:14	DH
Pyrene	SW8270	333	1150	03/13/96	23:14	DH
1,2,4-Trichlorobenzene	SW8270	333	964	03/13/96	23:14	DH
2,4,5-Trichlorophenol	SW8270	667	1010	03/13/96	23:14	DH
2,4,6-Trichlorophenol	SW8270	333	1010	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	50	03/13/96	23:14	DH
sur-Phenol-d6 %R 24-113	SW8270	0	50	03/13/96	23:14	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	59	03/13/96	23:14	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	63	03/13/96	23:14	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	54	03/13/96	23:14	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	72	03/13/96	23:14	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000386

TEST DATA REPORT

03/19/96

Page 1

Station ID: SWL8034

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA86017

Collector:

Date Sampled: 03/13/96

Time Sampled: 11:00

Log In Date: 03/13/96

Log In Time: 11:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/13/96	11:00	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	18:24	DH
3-Methylphenol	SW8270	10.0	34.2 CE	03/14/96	18:24	DH
2-Methylphenol	SW8270	10.0	34.0	03/14/96	18:24	DH
4-Methylphenol	SW8270	10.0	34.2 CE	03/14/96	18:24	DH
1,4-Dichlorobenzene	SW8270	10.0	28.8	03/14/96	18:24	DH
2,4-Dinitrotoluene	SW8270	10.0	36.1	03/14/96	18:24	DH
Hexachlorobenzene	SW8270	10.0	31.8	03/14/96	18:24	DH
Hexachlorobutadiene	SW8270	10.0	30.7	03/14/96	18:24	DH
Hexachloroethane	SW8270	10.0	25.9	03/14/96	18:24	DH
Nitrobenzene	SW8270	10.0	37.1	03/14/96	18:24	DH
Pentachlorophenol	SW8270	30.0	29.0 J	03/14/96	18:24	DH
Pyridine	SW8270	20.0	Not Det	03/14/96	18:24	DH
2,4,5-Trichlorophenol	SW8270	20.0	34.1	03/14/96	18:24	DH
2,4,6-Trichlorophenol	SW8270	10.0	37.1	03/14/96	18:24	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	66	03/14/96	18:24	DH
sur-Phenol-d6 %R 10-94	SW8270	0	62	03/14/96	18:24	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	79	03/14/96	18:24	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	74	03/14/96	18:24	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	67	03/14/96	18:24	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	69	03/14/96	18:24	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 02B88173

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	107840		11.11		442657		14.95		291585		20.47	
	UPPER LIMIT	215680		11.61		885314		15.45		583170		20.97	
	LOWER LIMIT	53920		10.61		221329		14.45		145793		19.97	
	EPA SAMPLE NO												
1	SSB8018	114757		11.10		432098		14.93		289929		20.45	
2	SSL8018	98982		11.10		374332		14.94		246266		20.46	
3	B1	128530		11.10		496724		14.95		352442		20.47	
4	D2	132554		11.11		513091		14.94		355636		20.47	
5	C2	140248		11.11		523395		14.95		377432		20.47	
6	F2	130923		11.11		510204		14.94		370211		20.47	
7													
8													
9													
10													
11													
12													
13													
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16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 02B88173

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	443950		25.16		365815		33.52		358548		37.75	
	UPPER LIMIT	887900		25.66		731630		34.02		717096		38.25	
	LOWER LIMIT	221975		24.66		182908		33.02		179274		37.25	
	EPA SAMPLE NO												
1	SSB8018	526173		25.14		457127		33.49		465865		37.73	
2	SSL8018	446239		25.15		358613		33.51		394491		37.75	
3	B1	645690		25.16		561785		33.51		586599		37.76	
4	D2	651296		25.15		543404		33.51		561581		37.74	
5	C2	704385		25.16		595680		33.52		595477		37.76	
6	F2	676783		25.16		451015		33.50		378438		37.73	
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

is94223a

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 02B88173

Lab File ID (Standard): 94238 Date Analyzed: 03/14/96

Instrument ID: BNA-2 Time Analyzed: 12:39

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	105269		11.06		420328		14.91		282139		20.41	
	UPPER LIMIT	210538		11.56		840656		15.41		564278		20.91	
	LOWER LIMIT	52635		10.56		210164		14.41		141070		19.91	
	EPA SAMPLE NO												
1	E1	118992		11.06		443090		14.90		324265		20.42	
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
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18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 02B88173

Lab File ID (Standard): 94238 Date Analyzed: 03/14/96

Instrument ID: BNA-2 Time Analyzed: 12:39

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	466713		25.10		430496		33.48		451471		37.69	
	UPPER LIMIT	933426		25.60		860992		33.98		902942		38.19	
	LOWER LIMIT	233357		24.60		215248		32.98		225736		37.19	
	EPA SAMPLE NO												
1	E1	589786		25.11		544586		33.46		565506		37.70	
2													
3													
4													
5													
6													
7													
8													
9													
10													
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12													
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19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

is94238a

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 02B88173

Lab File ID (Standard): 94238 Date Analyzed: 03/14/96

Instrument ID: BNA-2 Time Analyzed: 12:39

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	105269		11.06		420328		14.91		282139		20.41	
	UPPER LIMIT	210538		11.56		840656		15.41		564278		20.91	
	LOWER LIMIT	52635		10.56		210164		14.41		141070		19.91	
	EPA SAMPLE NO												
1	SWB8034	121741		11.06		432429		14.89		303646		20.41	
2	SWL8034	130957		11.07		485180		14.92		316811		20.43	
3	TCLPSB8029	60873		11.13		366096		14.90		310774		20.41	
4	C2	105434		11.10		495134		14.94		276699		20.43	
5	B1	108178		11.08		438385		14.93		282669		20.42	
6	D1	111147		11.06		403512		14.90		295587		20.42	
7	C2 MS	119901		11.09		475311		14.93		307173		20.42	
8	C2 MSD	118230		11.07		443603		14.91		310409		20.42	
9													
10													
11													
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17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE3913

Lab Code: LENL-P

Case No. 0

SDG NO.: 02B88173

Lab File ID (Standard): 94238

Date Analyzed: 03/14/96

Instrument ID: BNA-2

Time Analyzed: 12:39

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	466713		25.10		430496		33.48		451471		37.69	
	UPPER LIMIT	933426		25.60		860992		33.98		902942		38.19	
	LOWER LIMIT	233357		24.60		215248		32.98		225736		37.19	
	EPA SAMPLE NO												
1	SWB8034	554086		25.10		497421		33.46		546743		37.69	
2	SWL8034	565201		25.11		524741		33.49		622741		37.73	
3	TCLPSB8029	471248		25.09		456312		33.45		445203		37.68	
4	C2	491660		25.21		434256		33.47		425838		37.70	
5	B1	504301		25.16		429141		33.47		420923		37.68	
6	D1	536683		25.11		470144		33.46		450942		37.69	
7	C2 MS	545068		25.17		507082		33.48		496862		37.69	
8	C2 MSD	544295		25.16		503074		33.48		533706		37.70	
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94238

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 02B88173

Lab File ID (Standard): 94253 Date Analyzed: 03/15/96

Instrument ID: BNA-2 Time Analyzed: 01:48

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	109733		11.07		440802		14.91		309031		20.43	
	UPPER LIMIT	219466		11.57		881604		15.41		618062		20.93	
	LOWER LIMIT	54867		10.57		220401		14.41		154516		19.93	
	EPA SAMPLE NO												
1	D3	107519		11.07		396449		14.90		288618		20.43	
2	D2	138686		11.08		498595		14.92		357985		20.45	
3	F3	117913		11.08		443655		14.93		301220		20.44	
4	B2	156079		11.08		626461		14.93		406161		20.45	
5	F2	115278		11.07		435167		14.91		300638		20.43	
6	F1	119815		11.08		465023		14.92		293896		20.45	
7	F4	114645		11.09		305338		14.92		292852		20.44	
8	B3	112786		11.07		401410		14.90		306394		20.41	
9	E2	119302		11.07		448598		14.91		319041		20.43	
10	E1	152112		11.09		576000		14.93		402933		20.44	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 02B88173

Lab File ID (Standard): 94253 Date Analyzed: 03/15/96

Instrument ID: BNA-2 Time Analyzed: 01:48

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	493502		25.12		420700		33.49		391944		37.72	
	UPPER LIMIT	987004		25.62		841400		33.99		783888		38.22	
	LOWER LIMIT	246751		24.62		210350		32.99		195972		37.22	
	EPA SAMPLE NO												
1	D3	516255		25.14		444403		33.48		433252		37.70	
2	D2	649687		25.20		559537		33.50		473219		37.71	
3	F3	547935		25.28		448845		33.50		347340		37.71	
4	B2	730726		25.26		617348		33.51		521063		37.72	
5	F2	535621		25.19		453036		33.47		393298		37.68	
6	F1	555025		25.26		426853		33.50		326163		37.71	
7	F4	552938		25.28		427890		33.51		335169		37.71	
8	B3	562229		25.12		473753		33.47		532097		37.71	
9	E2	570931		25.22		471100		33.50		402636		37.71	
10	E1	710318		25.24		565930		33.51		453780		37.71	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94253

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 02B88173

Lab File ID (Standard): 94307 Date Analyzed: 03/21/96

Instrument ID: BNA-2 Time Analyzed: 12:37

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	46492		10.32		165593		14.20		104905		19.74	
	UPPER LIMIT	92984		10.82		331186		14.70		209810		20.24	
	LOWER LIMIT	23246		9.82		82797		13.70		52453		19.24	
	EPA SAMPLE NO												
1	B1 RE	53990		10.39		226508		14.46		81165		19.89	
2	F2 RE	46101		10.36		184431		14.25		129179		19.76	
3	C2 RE	47676		10.36		200543		14.25		118360		19.75	
4	C2 MS RE	49203		10.35		202734		14.22		118358		19.74	
5	C2 MSD RE	48641		10.34		212749		14.23		115600		19.74	
6													
7													
8													
9													
10													
11													
12													
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19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 02B88173

Lab File ID (Standard): 94307 Date Analyzed: 03/21/96

Instrument ID: BNA-2 Time Analyzed: 12:37

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	165562		24.41		163880		32.79		188018		37.00	
	UPPER LIMIT	331124		24.91		327760		33.29		376036		37.50	
	LOWER LIMIT	82781		23.91		81940		32.29		94009		36.50	
	EPA SAMPLE NO												
1	B1 RE	203855		24.47		191365		32.78		187631		36.99	
2	F2 RE	192875		24.60		179301		32.80		176132		36.99	
3	C2 RE	207184		24.52		190259		32.78		195210		36.99	
4	C2 MS RE	210851		24.46		203197		32.78		248214		37.00	
5	C2 MSD RE	200701		24.47		188775		32.77		171919		36.98	
6													
7													
8													
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22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94307

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Briquette A+B

Case: GE 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
[illegible]	S	[illegible]	[illegible]	SR	3/11/96	1400	SR	3/11/96	1500	S-Y
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-13	S	DRT		SR	3-12-96	1330	[illegible]	[illegible]	1330	S N
[illegible]	S	JKG	9010	SR	3/12/96	[illegible]	SR	3/12/96	1200	FS
[illegible]-13	S	FJB	[illegible]	[illegible]	3/12/96	0830	SR	3/13/96	0845	S-Y
[illegible]	S	[illegible]	7471A	SR	3-12-96	[illegible]	SR	3-12-96	1200	Y-S
[illegible]-13	X	[illegible]	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

OPREP - TCLP SV

Page 1 of 00039

Client: Bailey

Case: GE-3913

Form Initiated 03/ 11 /96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=N
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-13	X	BP	8270B				O-Prep	3/14/96	1250	X/Y
1-13	X	DK	8270L				GCMS	3/14/96	1300	X/Y

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11: AA88183
02: AA88174	12: AA88184
03: AA88175	13: AA88185
04: AA88176	14:
05: AA88177	15:
06: AA88178	16:
07: AA88179	17:
08: AA88180	18:
09: AA88181	19:
10: AA88182	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bailey

Case: GE-3913

Form Initiated 03/11/96

SDG: 02B88173

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01-05	S	L.R.	8270				CPrep	3-13-96	0940	X
1-5	X	DI-	8270				GCMS	3/13/96	1000	Y-X

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88173	11:
02: AA88176	12:
03: AA88178	13:
04: AA88180	14:
05: AA88185	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Organics Extraction Bench Sheet

LENL-Pensacola, FL

DV:030494

Run Log # 51C-8034

Client: Bailey Case: SDG: 88173 Start 3-13-96 -1100

Type: (BNA) / PP / TPH / Other - Matrix: (WATER) - ORGANIC End: 3-14-96 / 1250

Sep F / (L-L) / Dilln SURR: BNA - 48J-38 (1mL) Spike: TCLP spike - 48J-25 (200 uL)

Analysts: Prep SDB Surr [illegible] Extr [illegible] Dry B.P. Conc B.P.

Reagents: MeCl 54B-11-11 Na2SO4 54B 11-8 [illegible] 3-14-96 BP

Seq	Sample #	Vol/Wt	End Vol	pH	Appearance		Comments
1	BLKA 8034	1000	1ml	7	colc	co/cl	AA86016
2	BLKB 8034	1000		7	colc	co/cl	
3	TCLP BLK 8029	1000		5	colc	co/cl	AA85987
4	LCS 8034	1000	1ml	7	colc	Y/cl	FALL ANALYTE - 48J-35 (250 uL)
5	AA88173	980	5ml	5	y/cl	or/cl	
6	AA88174	980	1ml	5	colcl	Y/cl	
7	AA88175	990		5	y/cl	or/cl	
8	AA88176	990		5	y/cl	or/cl	
9	AA88177	990	1ml	5	y/cl	Br/cl	
10	AA88178	1000	5ml	5	y/cl	Br/cl	
11	AA88179	1000	1ml	5	y/cl	or/cl	
12	AA88180	1000	5ml	5	y/cl	Y/cl	
13	AA88181	1000	1ml	5	y/cl	Br/cl	
14	AA88182	1000		5	y/cl	Br/cl	
15	AA88183	1000		5	colcl	Y/cl	
16	AA88184	1000		5	y/cl	Br/cl	
17	AA88185	1000	1ml	5	y/cl	or/cl	
18	AA88178 MS	500	~~1ml~~ 5ml	5	y/cl	Br/cl	BNA TCLP SPIKE
19	AA88178 MSD	500	~~1ml~~ 5ml	5	y/cl	Y/cl	BNA TCLP SPIKE
20							
21							
22							
23							

AA86017

000401

Bailey SDG# 88173

DV:021892
LENL-Pensacola
TECH: DRT

TCLP PREP SHEET

RL# 51C-8029

EXTRACTION INFORMATION:
BEGIN DATE: 3-12-96 TIME: 1600
END DATE: 3/13/96 TIME: 1045

C/M/R: BALANCE 24B : 14 OVEN 006:

FLUID #1 REF: 4.90
FLUID #2 REF:

SAMPLE I.D.	FLUID TYPE	WGT. OF SAMPLE EXTR.	WGT. OF FLUID	AMOUNT OF FLUID COLLECTED	Final pH	COMMENTS
BLK	1	—	1500	1500	5	AA85987
88173	1	75.04	1500	1500	5	
88174	1	75.18	1500	1500	5	
88175	1	75.50	1500	1500	5	
88176	1	75.06	1500	1500	5	
88177	1	75.47	1500	1500	5	
88178	1	150.46	3000	2500	5	
88179	1	75.15	1500	1500	5	
88180	1	75.32	1500	1500	5	
88181	1	75.43	1500	1500	5	
88182	1	75.30	1500	1500	5	
88183	1	75.19	1500	1500	5	
88184	1	75.49	1500	1500	5	
88185	1	75.01	1500	1500	5	

000402

DV:060990
LENL-Pensacola, FL

TCLP Characterization Bench Sheet

Date 3/12/96 Initials DMG

RL # 52D-345
Page 1 of 1

Balance: System ID Bal 009 C/M/R Ref: 1951-237 pH: System ID pH Stick C/M/R Ref: —

Oven: System ID NA C/M/R Ref: NA Drying Time In NA Out NA

Sample # ID	Wgt. CV	Wgt. CV+S	Wgt. TV	Wgt. TV+S	Wgt. TV-S	Wgt. F	Wgt. F+S	% Solids	% Dry Solids	pH #1	pH #2	Part. Size	Hmg.	Comments
88173							----			7	1-2			Fluid #1
88174							----			7				
88175							----			7				
88176							----			7				
88177							----			7				
88178							----			6				
88179							----			7				
88180							----			7				
88181							----			7				
88182							----			7				
88183							----			7				
88184							----			7				
88185							----			7				
---							----							
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---							----							
---							----							
---							----							

CV = Collection Vessel TV = Transfer Vessel F = Filter S = Sample

000403

:RU,TUNER,=DFTBB

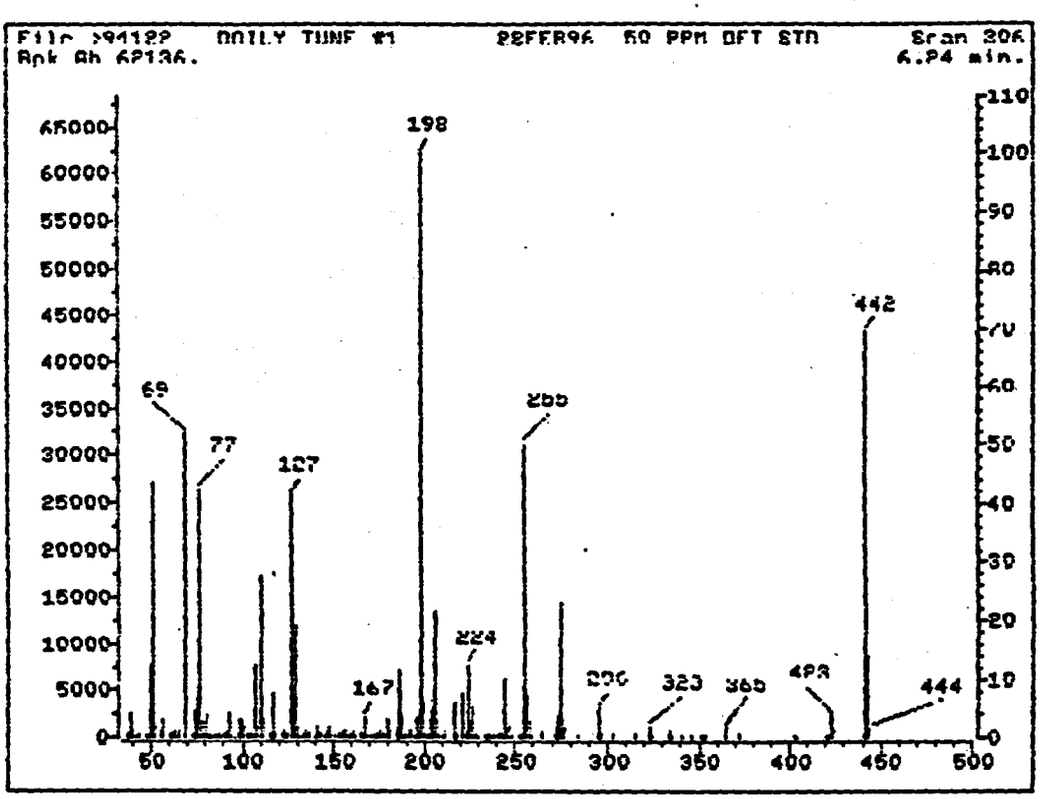
CA2BC0 000403

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	43.68	43.68	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	52.08	52.08	Ok
70	Less than 2% of mass 69	0.00	0.00	Ok
127	40-60% of mass 198	41.60	41.60	Ok
197	Less than 1% of mass 198	.97	.97	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.28	6.28	Ok
275	10-30% of mass 198	22.98	22.98	Ok
365	Greater than 1% of mass 198	1.73	1.73	Ok
441	0-100% of mass 443	9.21	65.45	Ok
442	Greater than 40% of mass 198	69.52	69.52	Ok
443	17-23% of mass 442	14.08	20.25	Ok

Injection Date: 02/28/96
Injection Time: 13:03
Data File: >94122
Scan: 306

:RU,AL ,,1



CA28CQ 000406

Initial Calibration Data
HSL Compounds

Case No: _____

Instrument ID: RNA-2

Contractor: IAW

Calibration Date: 03/12/96

Contract No: _____

CA2BCQ
AFCEE

Minimum RF for SPCC is 0.05 Maximum % RSD for CCC is 30%

Laboratory ID:	>94128 RF 7.50	>94127 RF 20.00	>94123 RF 50.00	>94126 RF 80.00	>94125 RF 120.00	>94124 RF 160.00	RRT	RF	% RSD	CORR1	CCC	SPCC
Compound												
Pyridine	.19156	.21322	.16765	.24327	.21083	.20289	.359	.20490	12.243	.991681		
N-Nitrosodimethylamine	.44533	.55623	.52940	.55869	.61207	.61686	.362	.55310	11.366	.998709		
2-Fluorophenol	.79016	1.02687	1.02965	1.01893	1.03105	1.09705	.674	.99762	10.618	.998841		
Aniline	1.03674	.64773	.42908	.37119	.25686	.09999	.918	.47360	69.806	.500809		
Phenol-d6	1.39352	1.53329	1.50357	1.40506	1.42087	1.48678	.925	1.44558	5.350	.999111		
Phenol	1.25642	1.53131	1.55919	1.37465	1.37970	1.33954	.929	1.40564	8.334	.998491	*	
bis(2-Chloroethyl)ether	1.29487	1.37829	1.23993	1.15776	1.16165	1.20344	.946	1.23815	6.910	.999245		
2-Chlorophenol	1.11678	1.31378	1.21919	1.16700	1.14969	1.20368	.945	1.19385	5.851	.999059		
1,3-Dichlorobenzene	1.[illegible]06	1.50648	1.40341	1.32377	1.31564	1.37610	.983	1.37191	5.350	.999733		
1,4-Dichlorobenzene	1.39174	1.53564	1.39941	1.30697	1.26155	1.27892	1.005	1.36237	7.518	.999431	*	
Benzyl alcohol	.60941	.80503	.74051	.59776	.65053	.75450	1.049	.69996	12.327	.990081		
1,2-Dichlorobenzene	1.36543	1.50713	1.37791	1.28659	1.25649	1.25978	1.042	1.34211	7.167	.999570		
2-Methylphenol	1.00031	1.22159	1.12163	1.09527	1.14551	1.04606	1.084	1.10506	7.014	.997706		
bis(2-Chloroisopropyl)ether	1.36559	1.50915	1.43157	1.28829	1.27121	1.37876	1.088	1.37409	6.475	.997519		
3&4-Methylphenol	1.00175	1.25854	1.20713	.94390	.94643	1.00085	1.130	1.05977	12.961	.995738		
N-Nitroso-di-n-propylamine	.75427	.93663	.89953	.79938	.71319	.64194	1.125	.79083	14.158	.989107		**
Hexachloroethane	.54497	.60636	.55615	.45805	.42115	.44667	1.130	.50556	14.569	.995316		
Nitrobenzene-d5	.23908	.30104	.27860	.28959	.28747	.30090	.858	.28778	8.157	.999348		
Nitrobenzene	.28967	.35395	.30234	.31959	.30278	.31616	.867	.31399	7.117	.999083		
Isophorone	.60642	.69453	.66481	.68579	.64011	.64343	.914	.65585	4.977	.999310		
2-Nitrophenol	.15830	.21719	.19959	.20657	.20105	.21183	.996	.19908	10.570	.999720	*	
2,4-Dimethylphenol	.29559	.34434	.31269	.31695	.31626	.33658	.947	.32038	5.473	.998774		
Benzoic acid	.12171	.19871	.27805	.20946	.23916	.25978	.995	.20940	22.988	.996021		
bis(2-Chloroethoxy)methane	.40768	.44801	.41587	.40348	.39797	.41552	.965	.41476	4.268	.999362		
2,4-Dichlorophenol	.23695	.31276	.29803	.27586	.26717	.25773	.978	.27333	9.549	.998787	*	
1,2,4-Trichlorobenzene	.32723	.35997	.31161	.31816	.29944	.30339	.991	.31862	7.018	.999710		
Naphthalene	.97113	1.02225	.87687	.87744	.76618	.77008	1.005	.87733	12.131	.998875		
4-Chloroaniline	.22482	.11036	.01775	.02649	.01870	-	1.031	.02962	113.017	.310907		

RF - Response Factor (Subscript is amount in ng/ul)

RRT - Average Relative Retention Time (RT Std/RT Istd)

RF - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CADBCQ194237
000411

HSL Compounds

Case No: Calibration Date: 03/14/96

Contractor: IAW Time: 17:39

Contract No: Laboratory ID: 194238

Instrument ID: RNA-2 Initial Calibration Date: 03/12/96

OK vs CADBCQ AFCEE

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20490	.20895	1.98		
N-Nitrosodimethylamine	.55318	.57254	3.52		
2-Fluorophenol	.99767	1.01582	1.82		
Aniline	.47360	.47341	.04		
Phenol-d6	1.44550	1.39885	3.23		
Phenol	1.40564	1.40167	.28	*	
bis(2-Chloroethyl)ether	1.23815	1.16895	5.59		
2-Chlorophenol	1.19385	1.17796	1.33		
1,3-Dichlorobenzene	1.37191	1.40113	2.13		
1,4-Dichlorobenzene	1.36237	1.37688	1.07	*	
Benzyl alcohol	.69296	.72573	4.73		
1,2-Dichlorobenzene	1.34211	1.35982	1.32		
2-Methylphenol	1.10506	1.03036	6.76		
bis(2-Chloroisopropyl)ether	1.37409	1.77712	29.33		
3&4-Methylphenol	1.05977	.98056	7.47		
N-Nitroso-di-n-propylamine	.79083	.79523	.56		**
Hexachloroethane	.50556	.50471	.17		
Nitrobenzene-d5	.28278	.29127	3.00		
Nitrobenzene	.31399	.31172	.72		
Isophorone	.65585	.64526	1.61		
2-Nitrophenol	.19908	.20415	2.55	*	
2,4-Dimethylphenol	.32038	.31397	2.00		
Benzoic acid	.20940	.18073	13.69		
bis(2-Chloroethoxy)methane	.41476	.39526	4.70		
2,4-Dichlorophenol	.27333	.30000	9.76	*	
1,2,4-Trichlorobenzene	.31862	.32037	.55		
Naphthalene	.87233	.88221	1.13		
4-Chloroaniline	.07962	.06450	18.99		
Hexachlorobutadiene	.18276	.18409	.72	*	
4-Chloro-3-methylphenol	.30849	.32037	3.85	*	
2-Methylnaphthalene	.63423	.63654	.36		
Hexachlorocyclopentadiene	.23248	.22142	4.76		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

HSL Compounds

Case No: | Calibration Date: 03/14/96

Contractor: LAW | Time: 12:39

Contract No: | Laboratory ID: >94238

Instrument ID: BNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.34961	2.27	*	
2,4,5-Trichlorophenol	.39396	.43481	10.17		
2-Chloronaphthalene	.94763	.96345	1.67		
2-Fluorobiphenyl	.96344	.96514	.18		
2&3-Nitroaniline	.20973	.19616	6.47		
Dimethylphthalate	1.28020	1.28339	.25		
Acenaphthylene	1.34737	1.38738	2.97		
2,6-Dinitrotoluene	.27213	.26300	3.36		
Acenaphthene	.98312	.95434	2.93	*	
1,2-Diphenylhydrazine	1.20258	1.15149	4.25		
2,4-Dinitrophenol	.18409	.15605	15.23		**
4-Nitrophenol	.10733	.07741	27.87		**
Dibenzofuran	1.45152	1.42793	1.63		
2,4-Dinitrotoluene	.42609	.42812	.48		
Diethylphthalate	1.26681	1.23340	2.64		
4-Chlorophenyl-phenylether	.62383	.60163	3.43		
Fluorene	1.14566	1.12531	1.78		
4-Nitroaniline	.24624	.26908	9.28		
4,6-Dinitro-2-methylphenol	.14143	.14702	3.95		
N-Nitrosodiphenylamine	.19148	.21813	13.92	*	
2,4,6-Tribromophenol	.12322	.10916	11.41		
4-Bromophenyl-phenylether	.23326	.21690	7.01		
Hexachlorobenzene	.26313	.22485	14.55		
Pentachlorophenol	.13127	.13868	5.65	*	
Phenanthrene	1.00560	.96509	4.03		
Anthracene	1.08846	1.07824	.94		
Carbazole	.16435	.16051	2.33		
Benzidine	.00874	.00827	5.42		
Di-n-butylphthalate	1.29123	1.26831	2.40		
Fluoranthene	1.20258	1.16398	3.21	*	
Pyrene	1.23449	1.28466	4.06		
Terphenyl-d14	.82033	.80378	2.02		

RF - Response Factor from daily standard file at 50.00 ng/uL

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

HSL Compounds

Case No: | Calibration Date: 03/14/96

Contractor: LAW | Time: 12:39

Contract No: | Laboratory ID: 394238

Instrument ID: BNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.72426	7.80		
3,3'-Dichlorobenzidine	.15018	.12341	17.83		
Benzo(a)anthracene	1.16828	1.13845	2.55		
Chrysene	1.08985	1.08641	.32		
bis(2-Ethylhexyl)phthalate	.92266	.98022	6.24		
Di-n-octylphthalate	1.31138	1.47600	12.55	*	
Benzo(b)fluoranthene	1.19160	1.05585	11.39		
Benzo(k)fluoranthene	1.08839	1.01559	6.69		
Benzo(a)pyrene	.94384	.92202	2.31	*	
Indeno(1,2,3-cd)pyrene	.82369	.83251	1.07		
Dibenz(a,h)anthracene	.74470	.80994	9.35		
Benzo(g,h,i)perylene	.74608	.79552	6.63		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA 2BCQ/94222 444
366
359

000414

GC/MS SVO #2 LOG BOOK

OPERATOR RB DATE 3/14/96 CLIENTS BAILEY SDG. 88 4

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14 MIN.

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNA2A I.D. LIST ID2 QUANT/UPLOAD DATE

UPLOAD FILE NAME SV SV SV ACQUISITION CRN D8 STANDARDS SSTD3380SCA

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA QDEL
1	>94222	DAILY	Daily Tune 50ng/ul	3		Area= 44K Scan# 300	OK	TIME 21.07
2	>94223	35 50A SSTD 20	Daily CCV/50ng/ul	4				
✓3	>94224	SBLK 8019	- FOR BAILEY	23		OK vs. CA2BCQ AFCEL	✓	✓
✓4	>94225	LCS 8019		24		OK vs CA2BCR CLP	✓	✓
✓5	>94226	B1	AA88173	25	X100		✓	✓
✓6	>94227	D2	176	26	X100		✓	✓
✓7	>94228	C2	178	27	X100		✓	✓
✓8	>94229	F2	180	28	X100		✓	✓
9	>94230	E1	185	29	X100		✓	✓
✓10	>94231	A3	129	30	X100	BAD INJECT.	NO	Qmt
✓11	>94232	A3 MS	129	31	X100		✓	✓
✓12	>94233	A3 MSD	129	32	X100		✓	✓
13	>94234	A3	AA88129	33	X10		✓	✓
14	>94235	C1	32	34	X10			
15	>94236	SBLK 8024	FOR AGH	35	ST			
16	>						✓	✓
17	>							
18	>							
19	>							
20	>							

SIGNED Rafael Barraza COSIGNED

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☐- Tics ☐- Extends

001140

:RU,TUNER,=DFTAB

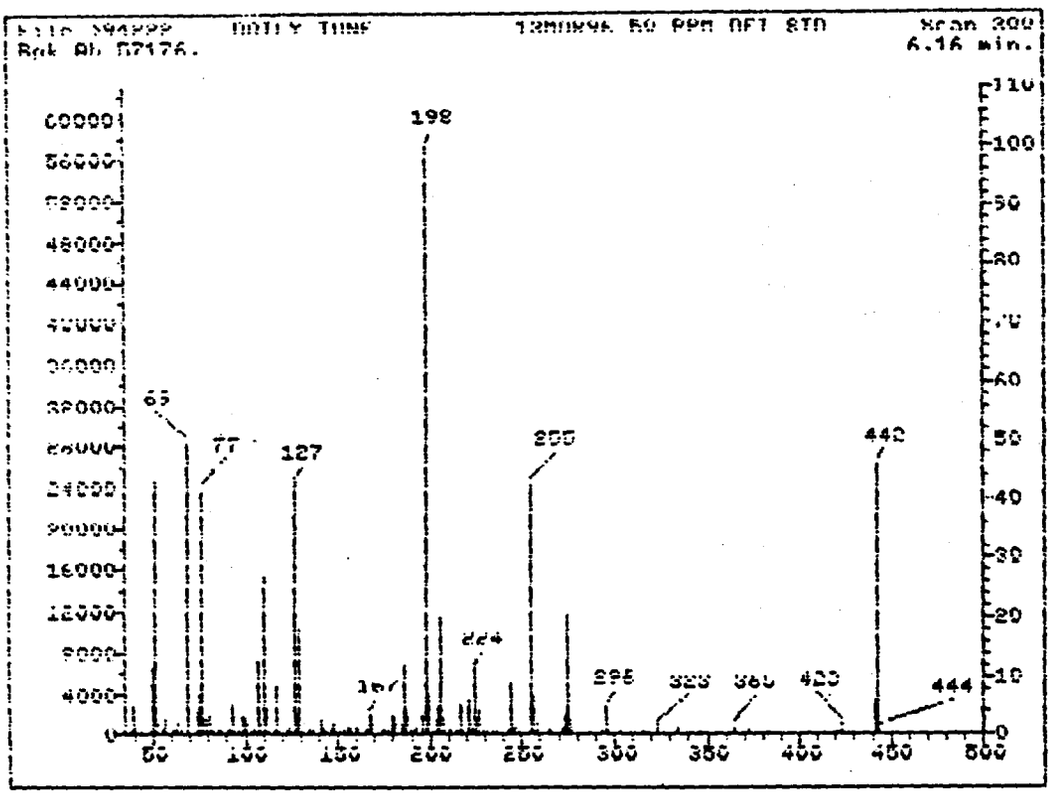
CA3BCQ/94222

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	42.93	42.93	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	50.05	50.05	Ok
70	Less than 2% of mass 69	0.00	0.00	Ok
127	40-60% of mass 198	43.00	43.00	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.38	6.38	Ok
275	10-30% of mass 198	20.43	20.43	Ok
365	Greater than 1% of mass 198	1.51	1.51	Ok
441	0-100% of mass 443	5.71	60.41	Ok
442	Greater than 40% of mass 198	45.85	45.85	Ok
443	17-23% of mass 442	9.45	20.61	Ok

Injection Date: 03/13/96
Injection Time: 21:07
Data File: >94222
Scan: 300

:RU,AI ,,1



CA2BCQ/94222

000416

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAN | Time: 21:26

Contract No: | Laboratory ID: >94223

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

OK
vs
CA2BCQ
AFCEE

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20490	.20269	1.08		
N-Nitrosodimethylamine	.55310	.55611	.54		
2-Fluorophenol	.99762	1.03197	3.44		
Aniline	.47360	.42174	10.95		
Phenol-d6	1.44550	1.40876	2.58		
Phenol	1.40564	1.38448	1.51	*	
bis(2-Chloroethyl)ether	1.23815	1.16618	5.81		
2-Chlorophenol	1.19385	1.19898	.43		
1,3-Dichlorobenzene	1.37191	1.39585	1.75		
1,4-Dichlorobenzene	1.36937	1.38775	1.50	*	
Benzyl alcohol	.69996	.68202	1.58		
1,2-Dichlorobenzene	1.34711	1.36669	1.83		
2-Methylphenol	1.10506	1.06573	3.56		
bis(2-Chloroisopropyl)ether	1.37409	1.28794	6.27		
3&4-Methylphenol	1.05977	1.04045	1.82		
N-Nitroso-di-n-propylamine	.79083	.85210	7.75		**
Hexachloroethane	.50556	.50493	.13		
Nitrobenzene-d5	.28278	.28098	.64		
Nitrobenzene	.31399	.30154	3.96		
Isophorone	.65585	.67600	3.07		
2-Nitrophenol	.19908	.20530	3.13	*	
2,4-Dimethylphenol	.32038	.31615	1.32		
Benzoic acid	.20940	.19163	8.48		
bis(2-Chloroethoxy)methane	.41476	.40471	2.42		
2,4-Dichlorophenol	.27333	.29898	9.38	*	
1,2,4-Trichlorobenzene	.31867	.32300	1.37		
Naphthalene	.87733	.85784	1.66		
4-Chloroaniline	.07962	.04640	41.73		
Hexachlorobutadiene	.18276	.18295	.10	*	
4-Chloro-3-methylphenol	.30849	.31157	1.00	*	
2-Methylnaphthalene	.63423	.62415	1.59		
Hexachlorocyclopentadiene	.23248	.21843	6.04		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2BC8/94222 417

Continuing Calibration Check
HSL Compounds

Case No: _____ Calibration Date: 03/13/96

Contractor: IAW Time: 21:26

Contract No: _____ Laboratory ID: 594223

Instrument ID: RNA-2 Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.35083	2.62	*	✓
2,4,5-Trichlorophenol	.39396	.42448	7.75		
2-Chloronaphthalene	.94763	.95256	.52		
2-Fluorobiphenyl	.96344	.96179	.17		
2N3-Nitroaniline	.20973	.20387	2.80		
Dimethylphthalate	1.28070	1.28778	.55		
Acenaphthylene	1.34737	1.40967	4.62		
2,6-Dinitrotoluene	.27713	.26602	2.75		
Acenaphthene	.98312	.96210	2.14	*	✓
1,2-Diphenylhydrazine	1.20258	1.09907	8.61		
2,4-Dinitrophenol	.18409	.15931	13.46		** ✓
4-Nitrophenol	.10733	.11296	5.25		** ✓
DibenzoFuran	1.45152	1.43356	1.24		
2,4-Dinitrotoluene	.42609	.42480	.30		
Diethylphthalate	1.26681	1.19826	5.41		
4-Chlorophenyl-phenylether	.62303	.58985	5.33		
Fluorene	1.14566	1.09202	4.68		
4-Nitroaniline	.24624	.25392	3.12		
4,6-Dinitro-2-methylphenol	.14143	.14734	4.17		
N-Nitrosodiphenylamine	.19148	.21569	12.65	*	✓
2,4,6-Tribromophenol	.12322	.11869	3.68		
4-Bromophenyl-phenylether	.23326	.23418	.36		
Hexachlorobenzene	.26313	.23051	12.40		
Pentachlorophenol	.13127	.14619	11.37	*	✓
Phenanthrene	1.00560	.98598	1.95		
Anthracene	1.08846	1.07489	1.25		
Carbazole	.16435	.18477	12.43		
Benzidine	.00874	.00858	1.81		
Di-n-butylphthalate	1.29123	1.29417	.23		
Fluoranthene	1.20258	1.10419	8.18	*	✓
Pyrene	1.23449	1.35514	9.77		
Terphenyl-d14	.82833	.84907	3.50		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAJDCQ194222 0021

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAW | Time: 21:26

Contract No: | Laboratory ID: >94273

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.74084	10.27		
3,3'-Dichlorobenzidine	.15818	.09978	33.94		
Benzo(a)anthracene	1.16828	1.13310	3.01		
Chrysene	1.08985	1.08178	.79		
bis(2-Ethylhexyl)phthalate	.92266	.99585	7.93		
Di-n-octylphthalate	1.31138	1.50970	15.12	*	✓
Benzo(b)fluoranthene	1.19160	1.08377	9.05		
Benzo(k)fluoranthene	1.08839	.99952	8.17		✓
Benzo(a)pyrene	.94384	.95078	.74	*	
Indeno(1,2,3-cd)pyrene	.82369	.75494	8.35		
Dibenz(a,h)anthracene	.74070	.71289	3.75		
Benzo(g,h,i)perylene	.74608	.73938	.90		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2BCQ/94252000419

GC/MS SVO #2 LOG BOOK

OPERATOR RB DATE 3/15/96 CLIENTS BAILEY SDG. 48173

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14 MIN.

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNA2A I.D. LIST ID2 QUANT/UPLOAD DATE

UPLOAD FILE NAME SV SV SV ACQUISITION CRN D8 STANDARDS SSTD3 #5-A

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA ODEL TIME
1	> 94252	DAILY	Daily Tune Sample	3		Area= 48K Scan# 296	OK	1.29
2	> 94253	50A22 SSTD 33	Daily CCV/50ng/l	4		OK vs. CA2BCQ	✓	✓
✓3	> 94254	D3	~~AA88~~ 175	18	X10		✓	✓
✓4	> 94255	D2	176	19	X10		✓	✓
✓5	> 94256	F3	177	20	X10		✓	✓
✓6	> 94257	B2	179	21	X10		✓	✓
✓7	> 94258	F2	180	22	X10		✓	✓
✓8	> 94259	F1	181	23	X10		✓	✓
✓9	> 94260	F4	182	24	X10		✓	✓
✓10	> 94261	B3	183	25	X10		✓	✓
✓11	> 94262	E2	184	26	X10		✓	✓
✓12	> 94263	E1	185	27	X10			
13	>							
14	>							
15	>							
16	>							
17	>							
18	>							
19	>							
20	>							

SIGNED Rafael Perez COSIGNED [illegible]

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*uploaded files ☐-Tics ☐-Extends

:RU,TUNER,=DFTBB

CA2BCA/94252

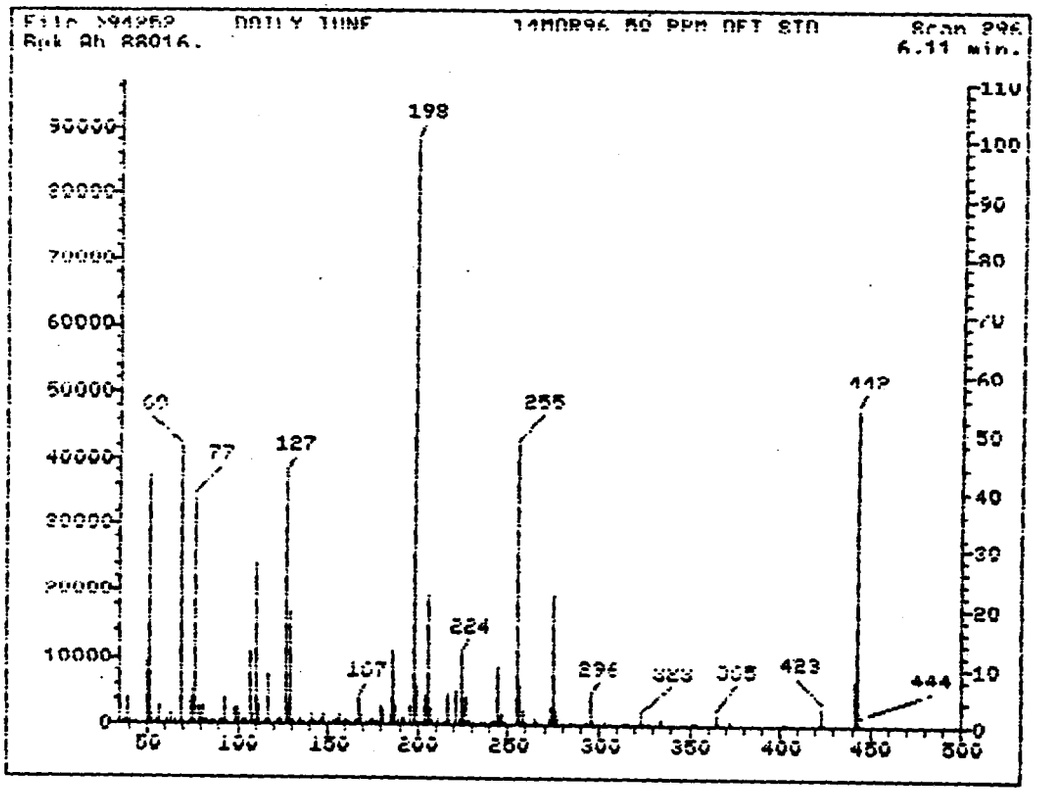
000420

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	42.39	42.39	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	47.29	47.29	Ok
70	Less than 2% of mass 69	.26	.56	Ok
127	40-60% of mass 198	42.87	42.87	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.46	6.46	Ok
275	10-30% of mass 198	22.20	22.20	Ok
365	Greater than 1% of mass 198	1.97	1.97	Ok
441	0-100% of mass 443	7.83	77.23	Ok
442	Greater than 40% of mass 198	54.19	54.19	Ok
443	17-23% of mass 442	10.08	18.60	Ok

Injection Date: 03/15/96
Injection Time: 01:29
Data File: >94252
Scan: 296

:RU,AI ,,1



CA2BCQ/94252

000421

HSL Compounds

Case No: | Calibration Date: 03/15/96

Contractor: IAW | Time: 01:48

Contract No: | Laboratory ID: 394253

Instrument ID: BNA-2 | Initial Calibration Date: 03/12/96

OK
US
CA2BCQ
AFCEE

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20490	.19019	7.18		
N-Nitrosodimethylamine	.55310	.57285	3.57		
2-Fluorophenol	.99762	1.00855	1.10		
Aniline	.47360	.41458	12.48		
Phenol-d6	1.44550	1.34688	6.82		
Phenol	1.40564	1.31416	6.51	*	
bis(2-Chloroethyl)ether	1.23815	1.12910	8.81		
2-Chlorophenol	1.19385	1.17828	1.30		
1,3-Dichlorobenzene	1.37191	1.39932	2.00		
1,4-Dichlorobenzene	1.36237	1.38472	1.60	*	
Benzyl alcohol	.69296	.67537	2.57		
1,2-Dichlorobenzene	1.34211	1.36751	1.89		
2-Methylphenol	1.10506	.99429	10.02		
bis(2-Chloroisopropyl)ether	1.32409	1.23998	9.76		
3&4-Methylphenol	1.05977	.96707	8.75		
N-Nitroso-di-n-propylamine	.79083	.81354	2.87		**
Hexachloroethane	.50556	.50340	.43		
Nitrobenzene-d5	.28278	.28725	1.58		
Nitrobenzene	.31399	.30797	1.91		
Isophorone	.65585	.68387	4.27		
2-Nitrophenol	.19908	.20063	.78	*	
2,4-Dimethylphenol	.32038	.30998	3.24		
Benzoic acid	.20940	.16887	19.36		
bis(2-Chloroethoxy)methane	.41476	.41091	.93		
2,4-Dichlorophenol	.27333	.29624	8.38	*	
1,2,4-Trichlorobenzene	.31862	.32875	3.18		
Naphthalene	.87233	.88549	1.51		
4-Chloroaniline	.07962	.05823	26.86		
Hexachlorobutadiene	.18276	.18465	1.03	*	
4-Chloro-3-methylphenol	.30849	.32239	4.51	*	
2-Methylnaphthalene	.63423	.65250	2.88		
Hexachlorocyclopentadiene	.23248	.20159	13.29		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

HSL Compounds

Case No: | Calibration Date: 03/15/96

Contractor: IAA | Time: 01:48

Contract No: | Laboratory ID: >94253

Instrument ID: RNA-2 | Initial Calibration Date: 03/17/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.33983	.83	*	
2,4,5-Trichlorophenol	.39396	.42997	8.96		
2-Chloronaphthalene	.94763	.95687	.98		
2-Fluorobiphenyl	.96344	.95756	.61		
2&3-Nitroaniline	.20973	.26648	27.06		
Dimethylphthalate	1.28078	1.29041	.88		
Acenaphthylene	1.34737	1.41973	5.33		
2,6-Dinitrotoluene	.27213	.26731	1.77		
Acenaphthene	.98319	.95269	3.10	*	
1,2-Diphenylhydrazine	1.20258	1.13485	5.63		
2,4-Dinitrophenol	.18409	.13052	29.10		**
4-Nitrophenol	.18733	.11765	4.96		**
Dibenzofuran	1.45152	1.42900	1.55		
2,4-Dinitrotoluene	.42609	.43389	1.83		
Diethylphthalate	1.26681	1.23511	2.50		
4-Chlorophenyl-phenylether	.62303	.59357	4.73		
Fluorene	1.14566	1.11598	2.59		
4-Nitroaniline	.24624	.33928	37.79		
4,6-Dinitro-2-methylphenol	.14143	.14094	.35		
N-Nitrosodiphenylamine	.19148	.22570	17.87	*	
2,4,6-Tribromophenol	.12322	.11641	5.53		
4-Bromophenyl-phenylether	.23396	.21835	6.39		
Hexachlorobenzene	.26313	.22761	13.50		
Pentachlorophenol	.13127	.13678	4.20	*	
Phenanthrene	1.00560	.97256	3.29		
Anthracene	1.08846	1.09004	.14		
Carbazole	.16435	-	-		
Benzidine	.00874	-	-		
Di-n-butylphthalate	1.29123	1.29104	.01		
Fluoranthene	1.20258	1.14765	4.57	*	
Pyrene	1.23449	1.35810	10.01		
Terphenyl-d14	.82033	.82883	1.04		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAD 150 A / 94950A

000423

HSL Compounds

Case No: Calibration Date: 03/15/96

Contractor: IAW Time: 01:48

Contract No: Laboratory ID: 394753

Instrument ID: RNA-7 Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.76236	13.47		
3,3'-Dichlorobenzidine	.15018	.07870	47.60		
Benzo(a)anthracene	1.16828	1.13287	3.03		
Chrysene	1.08985	1.13235	3.90		
bis(2-Ethylhexyl)phthalate	.97266	1.00949	9.41		
Di-n-octylphthalate	1.31138	1.50474	14.74	*	
Benzo(b)fluoranthene	1.19160	1.10573	7.21		
Benzo(k)fluoranthene	1.08839	1.04090	4.36		
Benzo(a)pyrene	.94384	.93583	.85	*	
Indeno(1,2,3-cd)pyrene	.82369	.64591	21.58		
Dibenz(a,h)anthracene	.74070	.66699	9.95		
Benzo(g,h,i)perylene	.74608	.64498	13.55		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2BCQ / 94306 00042

OPERATOR RD/DH DATE 1/21/96 CLIENTS BAILEY / INSTIFIO / CLEAN SDG. 58173

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1460 SEQ. FILE BNA2A I.D. LIST ID2

UPLOAD FILE NAME SV SV SV ACQUISITION CRN 06 QUANT/UPLOAD DATE

STANDARDS SSTD X 2? 50A

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA ODEL TIME
1	> 94306	DATU/	Daily Tune 50ng/µl	3		Area = 27K		
2	> 94307	38 SCA SSTD 25	Daily CCV/50ng/µl	4		Scan # 272	OK	12.17
3	> 94308	MS BAILEY	58173	5	X10	D.L VS. CA2BCQ AFLEE	✓	✓
4	> 94309	MS BAILEY	180	6	X10		✓	✓
5	> 94310	MS BAILEY	178	7	X2		✓	✓
6	> 94311	MS	178	8	X2		✓	✓
7	> 94312	MSD	178	9	X10		✓	✓
8	> 94313	SBLK 8059	FOR CLEAN	10			✓	✓
9	> 94314	LCS 8059	↓	11				
10	> 94315	BETA 1	AA88929	12	X100			
11	> 94316	BETA 2	930	13	X100			
12	> 94317	BETA 3	931	14	X100			
13	> 94318	BETA 4	932	15	X100			
14	> 94319	MW-7	841	16				
15	> 94320	MW-17	842	17				
16	> 94321	MW-6	843	18				
17	> 94322	MW-2	844	19				
18	> 94323	MW-1	846	20				
19	> 94324	MW-3	847	21				
20	> 94325	MS	841	22				
21	94326	MSD	841	23				

SIGNED [signature] COSIGNED [signature]

*=uploaded files

☐- Tics ☐- Extends

00114

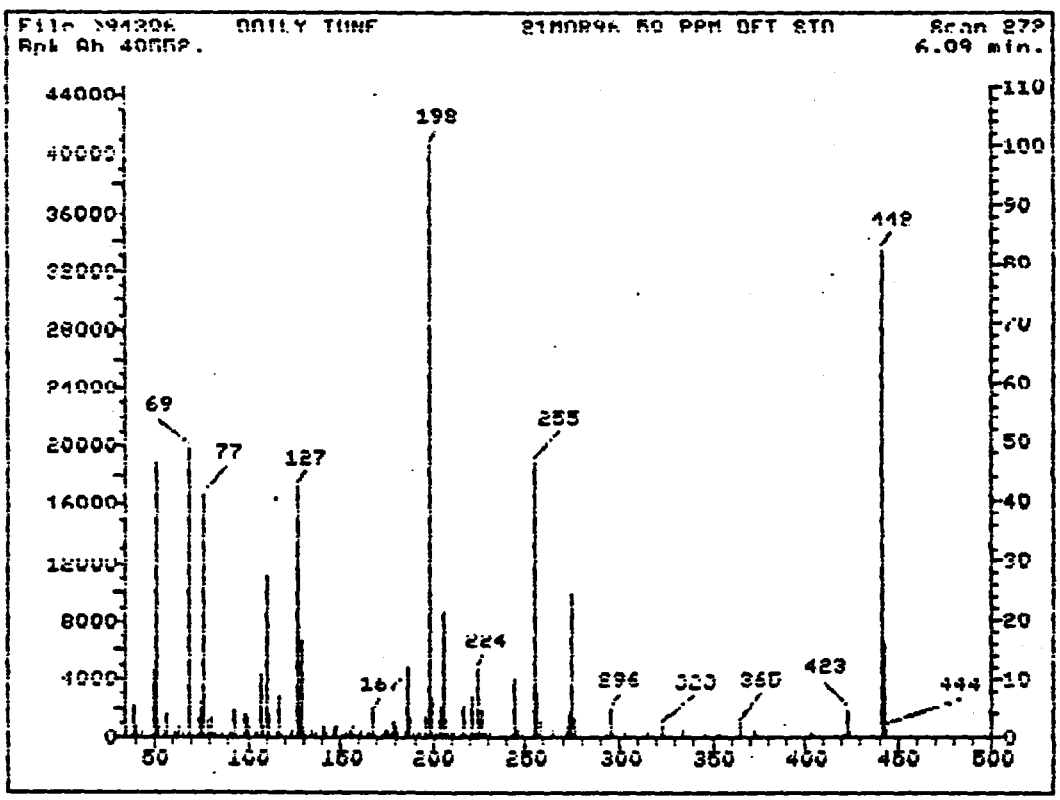
:RU,TUNFR,=DFTBB

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	46.66	46.66	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	48.89	48.89	Ok
70	Less than 2% of mass 69	0.00	0.00	Ok
127	40-60% of mass 198	42.39	42.39	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.44	6.44	Ok
275	10-30% of mass 198	24.52	24.52	Ok
365	Greater than 1% of mass 198	2.35	2.35	Ok
441	0-100% of mass 443	10.93	68.23	Ok
442	Greater than 40% of mass 198	82.70	82.70	Ok
443	17-23% of mass 442	16.02	19.37	Ok

Injection Date: 03/21/96
Injection Time: 12:17
Data File: >94306
Scan: 272

:RU,AI ,,1



CADBCQ/94306 000426

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/21/96

Contractor: IAW | Time: 12:37

Contract No: | Laboratory ID: >94307

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum $\overline{RF}$ for SPCC is 0.05 | Maximum % Diff for CCC is 20%

OK
US
CADBCQ
AFCEE

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Pyridine	.28490	.25026	22.14		
N-Nitrosodimethylamine	.55310	.72341	30.79		
2-Fluorophenol	.99762	.98469	1.30		
Aniline	.47360	.43247	8.68		
Phenol-d6	1.44550	1.40741	2.90		
Phenol	1.40564	1.48623	5.73	*	
bis(2-Chloroethyl)ether	1.23815	1.39140	12.38		
2-Chlorophenol	1.19385	1.22784	2.85		
1,3-Dichlorobenzene	1.37191	1.41482	3.13		
1,4-Dichlorobenzene	1.36237	1.39274	2.23	*	
Benzyl alcohol	.69296	.76853	10.91		
1,2-Dichlorobenzene	1.34211	1.36238	1.51		
2-Methylphenol	1.10506	1.08554	1.77		
bis(2-Chloroisopropyl)ether	1.37409	1.81686	32.22		
3&4-Methylphenol	1.05977	1.14834	8.36		
N-Nitroso-di-n-propylamine	.79083	.98574	24.65		**
Hexachloroethane	.50556	.54989	8.77		
Nitrobenzene-d5	.28278	.33123	17.13		
Nitrobenzene	.31399	.36890	17.49		
Isophorone	.65585	.74240	13.20		
2-Nitrophenol	.19908	.19992	.42	*	
2,4-Dimethylphenol	.32038	.32026	.04		
Benzoic acid	.20940	.19435	7.18		
bis(2-Chloroethoxy)methane	.41476	.44623	7.59		
2,4-Dichlorophenol	.27333	.28051	2.63	*	
1,2,4-Trichlorobenzene	.31862	.30373	4.68		
Naphthalene	.87233	.88590	1.56		
4-Chloroaniline	.02962	.02092	23.73		
Hexachlorobutadiene	.18276	.18351	.41	*	
4-Chloro-3-methylphenol	.30849	.33311	7.98	*	
2-Methylnaphthalene	.63423	.61935	2.35		
Hexachlorocyclopentadiene	.23248	.26151	12.49		**

RF - Response Factor from daily standard file at 50.00 ng/ul

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAJBCQ/94306 000427

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/21/96

Contractor: IAW | Time: 12:37

Contract No: | Laboratory ID: 394307

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum $\overline{RF}$ for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.39884	16.67	*	
2,4,5-Trichlorophenol	.39396	.39884	1.24		
2-Chloronaphthalene	.94763	.96877	1.39		
2-Fluorobiphenyl	.96344	.95510	.87		
2&3-Nitroaniline	.20973	.24736	17.94		
Dimethylphthalate	1.28020	1.27459	.44		
Acenaphthylene	1.34737	1.43716	6.66		
2,6-Dinitrotoluene	.27913	.27359	.54		
Acenaphthene	.98312	.95205	3.16	*	
1,2-Diphenylhydrazine	1.20258	1.33771	11.24		
2,4-Dinitrophenol	.18409	.14381	21.88		**
4-Nitrophenol	.10733	.10856	1.14		**
Dibenzofuran	1.45152	1.39842	3.66		
2,4-Dinitrotoluene	.42609	.43276	1.57		
Diethylphthalate	1.26681	1.27056	.30		
4-Chlorophenyl-phenylether	.62303	.60308	3.20		
Fluorene	1.14566	1.10623	3.44		
4-Nitroaniline	.24624	.26277	6.71		
4,6-Dinitro-2-methylphenol	.14143	.14967	5.82		
N-Nitrosodiphenylamine	.19148	.18367	4.08	*	
2,4,6-Tribromophenol	.17322	.17011	38.05		
4-Bromophenyl-phenylether	.23326	.25616	9.81		
Hexachlorobenzene	.26313	.29818	13.32		
Pentachlorophenol	.13127	.14554	10.87	*	
Phenanthrene	1.00560	1.02128	1.56		
Anthracene	1.08846	1.07618	1.13		
Carbazole	.16435	.11700	28.81		
Benzidine	.00874	.00679	22.31		
Di-n-butylphthalate	1.29123	1.46164	13.20		
Fluoranthene	1.20258	1.19898	.30	*	
Pyrene	1.23449	1.23303	.12		
Terphenyl-d14	.82833	.85949	4.77		

RF - Response Factor from daily standard file at 50.00 ng/ul

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAD 8CQ/941306

000421

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/21/96

Contractor: IAW | Time: 12:37

Contract No: | Laboratory ID: 943B7

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum $\overline{RF}$ for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.67636	.67		
3,3'-Dichlorobenzidine	.15818	.13311	11.36		
Benzo(a)anthracene	1.16828	1.12676	3.55		
Chrysene	1.08985	1.07592	1.28		
bis(2-Ethylhexyl)phthalate	.92266	.92581	.26		
Di-n-octylphthalate	1.31138	1.37531	4.87	*	
Benzo(b)fluoranthene	1.19160	1.05723	11.28		
Benzo(k)fluoranthene	1.08839	.91489	15.94		
Benzo(a)pyrene	.94384	.88764	5.95	*	
Indeno(1,2,3-cd)pyrene	.82369	.77139	6.35		
Dibenz(a,h)anthracene	.74070	.77141	4.15		
Benzo(g,h,i)perylene	.74608	.75305	.93		

RF - Response Factor from daily standard file at 50.00 ng/ul

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

SDG No: 02B88173

Method No.: REACTIVITY

CYANIDE/

SULFIDE

96-3985
000430

96-3985

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site PZ B SDG No: 88173 Date Received: 3/11/96
Sampling Site(s): 1 PZ B 2 3

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
01 B1	AA 88173	So		1
02 D1	AA 88174	So		1
03 D3	AA 88175	So		1
04 D2	AA 88176	So		1
05 F3	AA 88177	So		1
06 C2	AA 88178	So		1
07 B2	AA 88179	So		1
08 F2	AA 88180	So		1
09 F1	AA 88181	So		1
10 F4	AA 88182	So		1
11 B3	AA 88183	So		1
12 E2	AA 88184	So		1
13 E1	AA 88185	So		1
14				
15				
16				
17				
18				
19				
20				

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

March 15, 1996

Ann Harbor
Law Engineering and Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514

Subject: **Chemical Analysis of Samples Received on 3/13/96**
Project Number: GE 3913

Dear Ms. Harbor:

Law Environmental National Laboratories has completed its analysis of your samples and reports the results on the following pages. These results relate only to the contents of the samples as submitted. This report shall not be reproduced except in full without the approval of Law Environmental National Laboratories.

If there are any questions, please do not hesitate to contact Rhonda K. Arnwine at (770)-421-3306.

Sincerely,

LAW ENVIRONMENTAL NATIONAL LABORATORIES

Patrick Kelley for (03-15-96)
W. Paul Brafford
Laboratory Manager

WPB:pah

Enclosures: Data Report
Invoice

NATIONAL LABORATORIES
112 TOWNPARK DRIVE • KENNESAW, GEORGIA 30144
(770)421-3300 • FAX (770)421-3301
ONE OF THE LAW COMPANIES

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

To: Ann Harbor

From : Rhonda Arnwine

Date: March 15, 1996

Summary Credit For Analysis

Job Name: Bailey Site

Job Number: GE 3913

Lab Number: 96-3985-01 thru 14

DEPT.	PARAMETER	COST PER SAMPLE	NUMBER OF SAMPLES	TOTAL CREDIT DUE
10521	Reactivity	$160.00	13	$2080.00

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-01
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88173-B1
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	57	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	1300	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-02
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88174-D1
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	49	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	1300	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-03
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88175-D3
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	78	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	5900	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
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--- Project Information ---

Lab Number : 96-3985-04
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88176-D2
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	76	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	6500	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-05
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88177-F3
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	60	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	ND	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-06
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88178-C2
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	48	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	ND	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-07
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88179-B2
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	63	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	1000	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
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--- Project Information ---

Lab Number : 96-3985-08
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY SITE

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88180-F2
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	65	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	2000	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-09
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88181-F1
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	61	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	3400	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-10
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88182-F4
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	54	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	660	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-11
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88183-B-3
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8134
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	70	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	6200	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
Page 1

--- Project Information ---

Lab Number : 96-3985-12
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88184-E2
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8135
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	71	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	3000	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
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--- Project Information ---

Lab Number : 96-3985-13
Project No. : GE-3913
Project Name : BAILEY SITE
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : AA88185-E1
Matrix : SO
Type : GRAB
Collector : DW

Sampled Date/Time : 03/07/96
Received Date/Time : 03/13/96 08:55
Received From/By : DM/AD
Chain of Custody : 8135
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	73	03/13/96	RH
Sulfide, Total Releasable	SW 846-I	mg/kg	400	4400	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patricia Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/15/96
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--- Project Information ---

Lab Number : 96-3985-14
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY SITE

Manager: ANN HARBER

--- Sample Information ---

Station ID : METHOD BLANK
Matrix : SO
Type :
Collector :

Sampled Date/Time : / /
Received Date/Time : / /
Received From/By : /
Chain of Custody : 0
Number of Containers : 0

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/14/96	GW
Sulfide, Total Releasable	SW 846-I	mg/kg	400	ND	03/14/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

Law Environmental National Laboratories
Initial Calibration Verification Standard (ICV)

Project Name: Bailey Site **Project #:** GE-3913

Lab Number: 96-3985

Date	Analyst	Standard ID	True Value	Value Found	% Rec	Test
03/14/96	GW	KCN	0.192	0.194	101	T. Releasable Cyanide
03/14/96	GW	Na_2S	77.2	60.2	78.0	T. Releasable Sulfide

ICVS.IN (REVISED 09/29/92)

APPROVED BY: Patricia Kelley

Law Environmental National Laboratories
Method Blank Summary

Total Releasable Cyanide

Project Name:	Bailey Site	Project # :	GE-3913
Lab Number:	96-3985-14	Instrument ID:	N/A
Date Analyzed:	03/14/96	Matrix:	AQ ___ SO X NA ___

	Client Station ID	Lab Sample ID
1	AA88173-B1	96-3985-01
2	AA88174-D1	96-3985-02
3	AA88175-D3	96-3985-03
4	AA88176-D2	96-3985-04
5	AA88177-F3	96-3985-05
6	AA88178-C2	96-3985-06
7	AA88179-B2	96-3985-07
8	AA88180-F2	96-3985-08
9	AA88181-F1	96-3985-09
10	AA88182-F4	96-3985-10
11	AA88183-B-3	96-3985-11
12	AA88184-E2	96-3985-12
13	AA88185-E1	96-3985-13
14	AA88185-E1	96-3985-13 DUP
15		
16		
17		
18		
19		
20		
21		
22		
23		

COMMENTS:

MB.IN

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories

Total Releasable Cyanide Duplicate Analyses Record

Project Name: Bailey Site **Project #:** GE-3913

Lab Number: 96-3985 **Matrix:** AQ ____ SO X NA ____

SAMPLE ID	X_1	X_2	RANGE	AVERAGE*	RPD*	DATE	ANALYST
96-3985-13	1.78	1.70	0.0800	1.74	4.6	03/14/96	GW

Formulae:

$$Range = x_1 - x_2$$

$$Average = \frac{(x_1 + x_2)}{2}$$

$$Relative\ Percent\ Difference\ (RPD) = \frac{Range}{Average} \times 100$$

* Do not Calculate if results are ND.
ND - Not detected at detection limit
NA - Not Applicable

DAR.IN (REVISED 08/29/92)

APPROVED BY: Patricia Kelley

Law Environmental National Laboratories
Method Blank Summary

Total Releasable Sulfide

Project Name:	Bailey Site	Project # :	GE-3913
Lab Number:	96-3985-14	Instrument ID:	N/A
Date Analyzed:	03/14/96	Matrix:	AQ ___ SO X NA ___

	Client Station ID	Lab Sample ID
1	AA88173-B1	96-3985-01
2	AA88174-D1	96-3985-02
3	AA88175-D3	96-3985-03
4	AA88176-D2	96-3985-04
5	AA88177-F3	96-3985-05
6	AA88178-C2	96-3985-06
7	AA88179-B2	96-3985-07
8	AA88180-F2	96-3985-08
9	AA88181-F1	96-3985-09
10	AA88182-F4	96-3985-10
11	AA88183-B-3	96-3985-11
12	AA88184-E2	96-3985-12
13	AA88185-E1	96-3985-13
14	AA88185-E1	96-3985-13 DUP
15		
16		
17		
18		
19		
20		
21		
22		
23		

COMMENTS:

MB.IN

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories

Total Releasable Sulfide Duplicate Analyses Record

Project Name: Bailey Site **Project #:** GE-3913

Lab Number: 96-3985 **Matrix:** AQ ____ SO X NA ____

SAMPLE ID	X_1	X_2	RANGE	AVERAGE*	RPD*	DATE	ANALYST
96-3985-13	4430	4800	385	4630	8.3	03/14/96	GW

Formulae:

$$Range = x_1 - x_2$$

$$Average = \frac{(x_1 + x_2)}{2}$$

$$Relative\ Percent\ Difference\ (RPD) = \frac{Range}{Average} \times 100$$

* Do not Calculate if results are ND.
ND - Not detected at detection limit
NA - Not Applicable

DAR.IN (REVISED 08/29/92)

APPROVED BY: Patrick Kelley

SAMPLE RECEIPT/SHIPPER INSPECTION FORM

LENL # 96-3985	DATE: 3/13/96
PROJECT NAME: Bailey Site	PROJECT # GE-3913

A: PRELIMINARY EXAMINATION: Date shipment was opened: 3/13/96

1. Did shipment come with a shipping air bill?	Y	N	N/A
2. If YES, document carrier and air bill number. Federal Express 286 8202 224			
3. Were custody seals present on samples?	Y	N	–
4. Were custody seals intact?	Y	N	NA
5. Were custody papers filled out properly?	Y	N	NA
6. Were custody papers signed?	Y	N	NA
7. Sampling time(s) present?	Y	N	NA
8. Sampling date(s) present?	Y	N	NA
9. Type of packing and ice used. Bubble wrap and wet ice			

B. LOG-IN PHASE Date samples were logged in: 3/13/96

1. Did all bottles arrive intact?	Y	N	NA
2. Did all bottle labels agree with custody papers?	Y	N	NA
3. Were proper containers used for requested test?	Y	N	NA
4. Were correct preservatives added for requested test?	Y	N	NA
5. Was sufficient sample received for requested test?	Y	N	NA
6. Were air bubbles present in VOA samples?	Y	N	NA

COMMENTS: Containers not of LEES Kennesaw origin.

TEMP: Cold

PROCESSED BY: [illegible]

C. CORRECTIVE ACTION:

1. Client notified verbally. Date:	Time:		
2. Samples processed as received.	Y	N	–

COMMENTS:

	INITIAL	DATE
SAMPLE CONTROL COORDINATOR		
SAMPLE CONTROL SUPERVISOR		

SDG No:	02B88173
Method No.:	D2216
	9045
	9095
	1010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site Pit B SDG No: 02B 88173 Date Received: 3/11/96

Sampling Site(s): 1 Pit B 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01	B1	AA 88173	SO		1
02	D1	AA 88174	SO		1
03	D3	AA 88175	SO		1
04	D2	AA 88176	SO		1
05	F3	AA 88177	SO		1
06	C2	AA 88178	SO		1
07	B2	AA 88179	SO		1
08	F2	AA 88180	SO		1
09	F1	AA 88181	SO		1
10	F4	AA 88182	SO		1
11	B3	AA 88183	SO		1
12	E2	AA 88184	SO		1
13	E1	AA 88185	SO		1
14	2HESB8026 ~~ICLPSB8026~~	AA 85982			
15	ICPSB0341	AA 85983			
16	ICPSL0341	AA 85984			
17	ESB0343	AA 85985			
18	ESL0343	AA 85986			
19	ICLPSB8029	AA 85987			
20	ICPWB0349	AA 85988			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 ICPWL0349	AA85989			
22 HGWB0542	AA86002			
23 HGWL0542	AA86003			
24 ZHESB8028	AA86013			
25 VWB0791T	AA86007			
26 VWL0791T	AA86008			
27 VWB0793T	AA86009			
28 VWL0793T	AA86010			
29 VSB0793	AA86014			
30 VSL0793	AA86015			
31 SWB8034	AA86016			
32 SWL8034	AA86017			
33 B1 MS	AA86019			
34 B1 MSD	AA86020			
35 BC2 MS	AA86029			
36 C2 MSD	AA86030			
37 D1 MS	AA86035			
38 D1 MSD	AA86036			
39 VSB0791	AA86023			
40 VSL0791	AA86024			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 02B88173 Date Received: 3-11-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	B3 MS	AA86038			
42	B3 MSD	AA86039			
43	846ISB0314	AA86043			
44	846ISL0314	AA86044			
45	E1 DUP	AA86045			
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

SDG NO. 02B88173

000457

FROM SDG NO.	NAME	LABWORKS ID
01B88124	SSB8018	AA85980
01B88124	SSL8018	AA85981
01B88124	HGWB0541	AA85972
01B88124	HGWL0541	AA85973
01B88124	CNSB0356	AA86004
01B88124	CNSL0356	AA86005

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

6010 - Total			
F2	AA88180	10X	Fe
E1	AA88185	10X	Fe
7000 - Total Lead			
B1	AA88173	5X	Pb
B1MS	AA86019	5X	Pb
B1MSD	AA86020	5X	Pb
D2	AA88176	10X	Pb
C2	AA88178	5X	Pb
F2	AA88180	5X	As
		100X	Pb
E1	AA88185	20X	Pb

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
Page No.: 2

8260 - Total

B1	AA88173	125X
D2	AA88176	125X
C2	AA88178	250X
C2MS	AA86029	250X
C2MSD	AA86030	250X
F2	AA88180	500X
E1	AA88185	500X

8260 - TCLP

B1	AA88173	10X
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X
B2	AA88179	10X
F2	AA88180	10X
F1	AA88181	10X
F4	AA88182	10X
B3	AA88183	10X
B3MS	AA86038	10X
B3MSD	AA86039	10X
E2	AA88184	10X
E1	AA88185	10X

8270 - Total

B1	AA88173	100X and 80 mL end volume
D2	AA88176	100X and 30 mL end volume
C2	AA88178	100X and 50 mL end volume
F2	AA88180	100X and 60 mL end volume
E1	AA88185	100X and 40 mL end volume

8270 - TCLP

B1	AA88173	10X and 5mL end volume except *
D1	AA88174	10X
D3	AA88175	10X
D2	AA88176	10X
F3	AA88177	10X
C2	AA88178	10X and 5mL end volume except *
C2MS	AA86029	10X and 5mL end volume except *
C2MSD	AA86030	10X and 5mL end volume except *
B2	AA88179	10X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
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F2	AA88180	10X and 5mL end volume	except *
F1	AA88181	10X	
F4	AA88182	10X	
B2	AA88183	10X	
E2	AA88184	10X	
E1	AA88185	10X	

* Silica Gel Clean-up was performed on the samples listed below in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

B1	AA88173	10X and 1mL end volume
C2	AA88178	2X and 5mL end volume
C2MS	AA86029	10X and 1mL end volume
C2MSD	AA86030	2X and 5mL end volume
F2	AA88180	10X and 1mL end volume

COMMENTS

SW6010 Total - Cadmium, Copper, Lead, and Zinc exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The Laboratory Control Sample (LCS), ICPSL0341, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.
Lead and Selenium exceeded percent recovery (%REC) for Samples B1MS (AA86019) and B1MSD (AA86020). The LCS, FSL0343, is within %REC criteria. No further action required.

SW8260 Total - Ethylbenzene exceeded percent recovery (%REC) for Samples C2MS (AA86029) and C2MSD (AA86030). The LCS, VSL0793, is within %REC criteria. No further action required.

SW8270 -
Samples B1, D2, C2, F2, and E1 have sample correction factors of 475000, 349000, 306000, 512000 and 469000, respectively, due to the following:
Total

B1	30.62 grams/%Solids 55	80 mL end volume	100 X dilution
D2	31.81 grams/%Solids 27	30 mL end volume	100 X dilution
C2	29.22 grams/%Solids 56	50 mL end volume	100 X dilution
F2	30.86 grams/%Solids 38	60 mL end volume	100 X dilution

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 02B88173
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E1 30.44 grams/%Solids 28 40 mL end volume 100 X dilution
The surrogates were not recovered due to the dilutions required.
TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

F3	AA88177	TCLP	2,4,6-Tribromophenol
B2	AA88179	TCLP	2,4,6-Tribromophenol
F1	AA88181	TCLP	2,4,6-Tribromophenol
F4	AA88182	TCLP	2,4,6-Tribromophenol
E2	AA88184	TCLP	2,4,6-Tribromophenol
E1	AA88185	TCLP	2,4,6-Tribromophenol

C2	AA88178	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MS	AA86029	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14
C2MSD	AA86030	TCLP *	Nitrobenzene-d5, 2-Fluorobiphenyl, Terphenyl-d14

The following matrix spike target compounds were not recovered due to required dilutions:

C2MS	AA86029	TCLP	MS: 2,4-Dinitrotoluene, Pentachlorophenol
C2MSD	AA86030	TCLP	MSD: 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, Hexachlorobenzene, Pentachlorophenol
			RPD: 2,4-Dinitrotoluene, Pentachlorophenol

The Laboratory Control Sample (LCS) is within %REC criteria. No further action required.

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as a major analyte. A hydroxydimethylnaphthalene compound was tentatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TIC's identified are analytes found in Petroleum Tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

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--- Project Information ---

Station ID: B1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88173

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		45.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		4.98	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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--- Project Information ---

Station ID: D1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88174

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216	.	44	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.59	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

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--- Project Information ---

Station ID: D3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88175

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		75.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.68	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.S. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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--- Project Information ---

Station ID: D2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88176

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		73.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.17	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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--- Project Information ---

Station ID: F3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88177

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		50.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.52	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: C2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88178

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		44.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		4.45	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88179

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		63.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.53	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tusci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88180

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		62.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.06	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88181

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		59.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.40	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: F4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88182

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		52.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.38	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: B3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88183

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		73.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.79	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88184

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Tech
623-D2216 Moisture	ASTM D2216		68.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.69	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000474

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: E1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 02B88173

--- Sample Information ---

Lab ID: AA88185

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/11/96

Log In Time: 16:16

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		72.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.56	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/13/96	08:40	LB
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/12/96	14:00	KG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bri[illegible]ste R+B

Case: GE 3913

Form Initiated 3/11/96

SDG: 88173

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01,04,06,08,13	S	SC	9070	SR	3/11/96	1400	SR	3/11/96	1500	S-Y
[illegible]	-	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
01-13	S	DRT		SR	3-12-96	1330	O Prep	3-12-96	1330	S N
[illegible]	S	JKG	9010	SR	3/13/96	0900	SR	3/13/96	1700	TJ
01-13	S	JOB	9065	SR	3/13/96	0830	SR	3/13/96	1045	S-Y
01,04,06,08,13	S	GAT	7471A	SR	3-12-96	0800	SR	3-12-96	1200	Y-S
01-13	X	GAT	7470A	SR	3-13-96	1100	SR	3-13-96	1700	YS

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO

Laboratory Sample ID	Laboratory Sample ID
01: AA 88173	11: AA 88183
02: AA 88174	12: AA 88184
03: AA 88175	13: AA 88185
04: AA 88176	14:
05: AA 88177	15:
06: AA 88178	16:
07: AA 88179	17:
08: AA 88180	18:
09: AA 88181	19:
10: AA 88182	20:

COMMENTS

Meterable Parameters Bench Sheet

LENL-Pensacola, FL

Start 3/11/96 09:15
End - 3.13.96 1330

DV:041094

RUN LOG # 51C-8D20

Page 1 of 2

Client Contract: BAILEY

SDG: 01B88124

Analyte: 4 H1

Method Reference: C7045

QC:

Meter: Syst. ID CD1 194A-18

C/M/R Ref:

Analysis: Date 3 / 13 / 96

Analyst SDB

Standards Ref: 54B 4-4 54B4-5 54B 4-6

Reagents Ref:

Calib. Curve Data: Slope:

Intercept:

Corr. Coeff:

Seq	Sample #	Mtx	Pres	Hmg	Sample V/M	DF	Obs 1	Delta	Obs 2	Delta	Obs 3	Result	Unit
1	88124				10/10							4.59	
2	88125				30/10							4.58	
3	88126				10/10							4.75	
4	88127											4.04	
5	88130											6.48	
6	88131											6.62	
7	88132											5.63	
8	88133 SMP											5.64	
9	88173											4.98	
10	88174											6.59	
12	BLANK2											6.96	
13	88175											6.68	
14	88176											6.17	
15	88177											5.52	
16	88178											4.45	
17	88179				10/10							5.53	
18	88180				30/10							5.06	
19	88181				30/10							5.40	

Seq	COMMENTS
	4.00 = 4.00 7.00 = 7.01
	7.00 = 7.01 10.00 = 10.04
	102.1 Slope 102.2

original in 01B88124

000477

Meterable Parameters Bench Sheet

Start - 3/11/96 09:15
end -

LENL-Pensacola, FL

DV:041094

RUN LOG # 51C-8020

Page 2 of 2

Client Contract: BAILEY

SDG: 01B88124

Analyte: pH

Method Reference: 9045

QC:

Meter: Syst. ID DDI

C/M/R Ref:

Analysis: Date ___/___/___

Analyst

Standards Ref: 54B4-4/54B4-5/54B4-6

Reagents Ref:

Calib. Curve Data: Slope:

Intercept:

Corr. Coeff:

Seq	Sample #	Mtx	Pres	Hmg	Sample V/M	DF	Obs 1	Delta	Obs 2	Delta	Obs 3	Result	Unit
1	88182				10/0							5.38	
2	88183				10/10							6.79	
3	88184				30/10							6.69	
4	BUFFER											7.01	
5	88185				30/10							6.56	
6	BUFFER											7.05	
7													
8													
9													
10													
12													
13													
14													
15													
16													
17													
18													
19													

Seq	COMMENTS

000478

LENL-Pensacola, FL

Organics Extraction Bench Sheet

Client: Bailey

Case:

SDG: 88173

DV: 030494

Type: BNA / PP / TPH / (Other - Paint Filter Test

Matrix: (SOIL) - ORGANIC

Run Log 51C-8036

Start: 3/13/96 0840

End 3/13/96 10:40

Sonc / Dltn / Tumble SURR:

Balance: 004

Spike:

Analysts: Prep LRB

Oven: 001

Surr

pH: 001

Reagents:

Extr

Dry

Conc

Seq	Sample #	Vol / Wt	End Vol	pH	% Sol.	Dish	Wet	Dry	Appearance		Comments
1	88173	101.25g									14.0 ml
2	88174	103.19									8.0 ml
3	88175	105.22									5.0 ml
4	88176	100.68									4.0 ml
5	88177	105.00									12.0 ml
6	88178	77.50	this	was	All of	the	sample.				4.0 ml
7	88179	103.02									10.0 ml
8	88180	102.86									4.0 ml
9	88181	100.33									16.0 ml
10	88182	102.56									16.0 ml
11	88183	107.26									1.0 ml
12	88184	100.45									22.0 ml
13	88185	87.61	this	was	All of	the	Sample				3.0 ml
14	88183 DUP	101.05									1.0 ml
15											
16											
17											
18											
19											
20											
21											
22											

ANALYST KG
RUN LOG 51C-8033
START 3/12/96 1400
END 3/12/96 1600

FLASHPOINT SOIL WATER

	SAMPLE #	FLASH-POINT	COMMENTS	APPEARANCE	CLIENT
1.	BUTANOL	110°	95°		
2.	ETHOXYETHANOL	115°	112°		
3.	CARBITOL	206°	195°		
4.	88173	no flash	200°	Blk	BAILEY
5.	88174	no flash	200°	Blk	
6.	88175	no flash	200°	Blk	
7.	88176	no flash	200°	Blk	
8.	88177	no flash	200°	Blk	
9.	88178	no flash	200°	Blk	
10.	88179	no flash	200°	Blk	
11.	88180	no flash	200°	Blk	
12.	88181	no flash	200°	Blk	
13.	88182	no flash	200°	Blk	BAILEY
14.	Butanol	110°	95°		
15.	88183	no flash	200°	Blk	BAILEY

ANALYST KG
RUN LOG 51C-8033
START 3/12/96 1400
END 3/12/96 1600

FLASHPOINT SOIL WATER

	SAMPLE #	FLASH-POINT	COMMENTS	APPEARANCE	CLIENT
1.	BUTANOL				
2.	ETHOXYETHANOL				
3.	CARBITOL				
4.	88184	No flash	200°	BLK	BAILEY
5.	88185	No flash	200°	BLK	BAILEY
6.	88164	No flash	200°	BROWN	BUST 1880
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

BAILEY
CONTRACT NO.: GE3913
SDG NO.: 01B88124
VOLUME 1 OF 1

TABLE OF CONTENTS/DATA PACKAGE CHECKLIST

LAW-Pensacola
3355 McLemore Drive
Pensacola, FL 32514

Report Date: 03-20-96
SDG No.: 01B8812
Contract No.: GE3913

Section I:

2 - 4	1.)	Sample Delivery Group Sheet
5 - 9	2.)	Chain of Custody Forms
10	3.)	Meterable Parameter Benchsheet
11	4.)	Analytical Request Forms
12 - 13	5.)	Cooler Receipt Forms
NA	6.)	Contact Forms
14 - 16	7.)	Airbills (Federal Express/UPS)

Section II:

Sample Results by Analytical Method

	ICP 6010A	GFAA 7000	Hg 7470/ 7471	Cn 9010	VOA 8260	SVOA 8270	Reactivity Cyanide/ Sulfide	D2216 1010 9045C
1.) Sample Delivery Group Sheet	18-20	88-90	139-141	174-176	188-190	266-268	369-371	388-390
2.) Case Narrative	21-23	91-93	142-144	177-179	191-193	269-271	NA	391-393
3.) Deficient Incident Reports	NA	NA	NA	NA	194-214	272-273	NA	NA
4.) Analytical Results (LIMS)	24-32	94-95	145-153	180	215-218	274-292	374-379	395-400
5.) MS/MSD Analytical Results (LIMS)	33-34	NA	154-155	NA	NA	293-300	NA	NA
6.) Blank Analytical Results (LIMS)	35-38	96-98	156-159	181	219-226	301-307	380	NA
7.) QC Summary	39-43	99-102	160-163	182	227-232	308-312	382/384	NA
8.) LCS Analytical Results (LIMS)	44-46	103-105	164-166	183	233-237	313-317		NA
9.) Internal Standard AC Summary	X	X	X	X	238-240	318-329	X	X
10.) MSA Summary	X	NA	X	X	X	X	X	X
11.) Intra-lab Sample Check-in/Checkout	47-50	106-109	167	184	241-243	330-333	NA	401
12.) Extraction/Digestion Benchsheet	51.53	110-112	X	X	244	334-337	NA	402

The following is presented chronologically in analytical run sequence order:

13.) Analytical Run Sequence	54-80	113-137	168-172	185-186	245-264	338-367	X	X
ICAL and/or CCAL Summary								
GC/MS Tune Summary	X	X	X	X			X	X
14.) ISCAB Summary		X	X	X	X	X	X	X
15.) CCV Summary	51-86	X	X	X	X	X	X	X
16.) CCB Summary		X	X	X	X	X	X	X

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 PitB 2 3

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWLB32	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB.TLWB FWB0335	AA85970			
20 PB.TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HQSB0541	AA85972			
22 HQSL0541	AA85973			
23 HGWB0539	AA85974			
24 HGWL0539	AA85975			
25 HGWB0540	AA85976			
26 HGWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 2 3

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Corresponds To: Site No.
41	ICAWB0332T	AA86021			
42	ICAWL0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846ISL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

LAW ENGINEERING &
ENVIRONMENTAL SERVICES, INC.
3355 McLEMORE DRIVE
PENSACOLA, FLORIDA 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

№ 09320

SAMPLING INFORMATION
NPDES NUMBER

NAME OF FACILITY: Bailey Site
STREET ADDRESS: Hwy. 87, Orange County

PROJECT NAME: Bailey Site - P.I.B
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): [illegible]
SAMPLING DATE:

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	~~40ml-Septum~~	~~1-L-G-AMBER~~ TAL metals	~~2 oz-G-WM~~ TCL SVOC	~~2 oz-G-WM~~ TCL VOC	~~1L-G-WM~~ TCLP metals	~~500ml-AMBER~~ TCLP SVOC	~~1-L-Pl-HDPE~~ TCLP VOC	~~4-L-Pl-HDPE~~ Paint Filter	~~1L-Pl (Nitric)~~ Ignitability	~~1L-Pl (Ascorbic Acid)~~ Reactivity	~~1L-Pl (Zinc Acetate + NaOH)~~ Corrosivity	1 L. Pl	4 oz. Pl. W/M	250 ml Pl.	1 L. TEFLON					LENL LAB NO.
3/7/96			C.R. S	A3	8	X	X	X	X	X	X	X	X	X	X										AA88129
3/7/96			C.R. S	AB1	4				X	X	X	X	X	X	X										AA88130
3/7/96			C.R. S	~~2nd~~ A4	4				X	X	X	X	X	X	X										AA88131
3/7/96			C.R. S	~~4D~~ C1	4				X	X	X	X	X	X	X										AA88132
3/7/96				~~E1~~																					
3/7/96				~~F2~~																					

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	RELINQUISHED BY	RECEIVED BY LABORATORY	DATE / TIME
[illegible] (SIGNATURE)	3/7/96 1830	(SIGNATURE)		(SIGNATURE)	Cindy Roberts (SIGNATURE)	3-8-96 1015

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY.
PINK COPY RETAINED BY SAMPLERS. YELLOW COPY RETAINED BY LABORATORY.

Cooler Temp 7°

REMARKS

*SOURCE CODES

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-AQUEOUS - NA

COC # 09320

L.R.

(6) 8 oz soil and (2) 2 oz soil Received for AA88129, A3

(4) 8 oz soil per ID Received for AB1, A4, C1.

Samples containers have no ~~no COC~~ sample time listed.

C.O.C. has no time listed or source code. Tech listed source code.

No custody seals on cooler.

Lindy Roberts
3-8-96 / 1015

LAW ENGINEERING & ENVIRONMENTAL SERVICES, INC.
3355 McLEMORE DRIVE
PENSACOLA, FLORIDA 32514
(904) 857-0606

CHAIN OF CUSTODY RECORD

№ 09324

SAMPLING INFORMATION — NAME OF FACILITY: Bailey Superfund Site
NPDES NUMBER — STREET ADDRESS: Hwy. 87

PROJECT NAME: Bailey Site - Pit B
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): [illegible]
SAMPLING DATE: ~~3/7/96~~ 3/6/96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 mL-VOA-HCl	TCG-Amber	8 oz-G-WM	2 oz-G-WM	4 oz-G-WM	500 mL-Amber	1L-PL-HNO3	TC, PC (TP, SO)	1L-PL	4 oz-PC-WM	250 mL-PL	1L-TEFLON	LENL LAB NO.
						TAL metals	TCL SVOC	TCL VOC	Turbidity	Turbidity	TCLP SVOC	TCLP VOC	Paint filter	Ignitability	React. (cyan)	Corrosivity		
3/6/96			S	A1	4				X	X	X	X	X	X	X			AA88124
3/6/96			S	A2	4				X	X	X	X	X	X	X			AA88125
3/6/96			S	A2D	3				X	X	X							AA88126
3/6/96			W	G-PB-FB1	6	X	X	X	X	X								AA88127
3/6/96			W	TB	4			X										AA88128

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LABORATORY: (SIGNATURE)	DATE / TIME
[illegible]	3/7/96 1830				Cindy Roberts	3-8-96 1015

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY. PINK COPY RETAINED BY SAMPLERS. YELLOW COPY RETAINED BY LABORATORY.

Cooler Temp 4°

REMARKS

*SOURCE CODES

RECOVERY WELL - RW
RCRA MONITORING WELL - MW
SOIL / SEDIMENT - SO
SLUDGE - SL
NPDES DISCHARGE - ND
DRINKING WATER - DW
HAZARDOUS WASTE - HW
SURFACE WATER - SW
NON-AQUEOUS - NA

000007

08133 96-3963

CHAIN OF CUSTODY RECORD

Law Engineering & Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514
(904) 857-0606

96-3963

SAMPLING INFORMATION
NPDES NUMBER
NAME OF FACILITY: AFCEE
STREET ADDRESS:

PROJECT NAME: Bailey
JOB NO.: GE-3913
SAMPLERS (SIGNATURE): Wisealowski
SAMPLING DATE: 3-6-96 / 3-7-96

TIME	GRAB	COMP.	*SOURCE CODE	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml G VOA HCl	1 L G - AMBER	8 oz. G. W/M	2 oz. G. W/M	1 L G (H_2SO_4)	500 ml - AMBER	1 L. PL (HNO_3)	1 L. PL (H_2SO_4)	1L. PL (NaOH+Ascorbic Acid)	1 L. PL (Zn Acetate + NaOH)	1 L. PL	4 oz. PL W/M	250 ml PL	1 L. TEFLON	LENI LAB NO.
3-6-96			SO	A1 AA88124	1			1												96-3963-01
3-6-96			SO	A2 AA88125	1			1												02
3-7-96			SO	A3 AA88129	1			1												03
3-7-96			SO	AB1 AA88130	1			1												04
3-7-96			SO	A4 AA88131	1			1												05
3-7-96			SO	C1 AA88132	1			1												06

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LABORATORY: (SIGNATURE)	DATE / TIME
Shawn L Tab	3/6/96 1200				Monique Broden	3/11/96 0857

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY. PINK COPY RETAINED BY SAMPLERS. YELLOW COPY RETAINED BY LABORATORY.

REMARKS
Send To Law-Kennesaw
CTL # 01 AA88124

*SOURCE CODES

RECOVERY WELL - RW	NPDES DISCHARGE - ND
RCRA MONITORING WELL - MW	DRINKING WATER - DW
SOIL / SEDIMENT - SO	HAZARDOUS WASTE - HW
SLUDGE - SL	SURFACE WATER - SW
	NON-AQUEOUS - NA

00001.5

Law Environmental, Inc.
METERABLE PARAMETERS BENCH SHEET

Project Name: Bailey Site - Pit B Project Number: GE-3913

SDG Number: 88124 Date of Receipt: 03-08-96

Lab Sample ID	Date	pH	Description	Tech
AA88127	03-08-96	<2	TAL Metals	C.R

96-3463
000011

AFCEE

Law Engineering &
Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514
(904) 857-0606

Analytical Request Form

To: Law-Kennesaw
Attn: Sample Control

From: Law-Pensacola
(Branch/Company Name)
Sharon Taber
(Dept or Name)

COC Number: 09320

Project Name: Bailey
Project Number: GE-3913

Date Shipped: 3-9-96
Date results requested: 3-14-96

Sample ID	Analysis Requested	Detection Limits Req.	Sample Type	Method
A1 AA88124				
A2 AA88125				
A3 AA88129	Reactive Sulfide			SW-846-I
AB1 AA88130	Reactive Cyanide			
A4 AA88131				
C1 AA88132				

Comments: Data + Invoice To Above Address
Attn: Ann Harber

Form Data ReOrder# (Law Form# 094-001)

LIMS# _____

COOLER RECEIPT FORM

000012

Contractor Cooler 09320

MRD Cooler # _____

Number of Coolers (2) of 2

PROJECT: Bailey Site - Pit B

Date received: 03-08-96

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 03-08-96

by (print) Cindy Roberts (sign) Cindy Roberts

1. Did cooler come with a shipping slip (air bill, etc.)? ..... (YES) NO

   If YES, enter carrier name & air bill number here: Fed Ex 4758100325

2. Were custody seals on outside of cooler? ..... YES (NO)

   How many & where: _____, seal date: _____, seal name _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES (NO)
4. Did you screen samples for radioactivity using the Geiger Counter..... YES (NO)
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... YES (NO)
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES (NO)
7. Did you sign custody papers in the appropriate place? ..... YES (NO)
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. (YES) NO
9. If required, was enough ice used? ..... Type of ice: Wet ..... (YES) NO
10. Have designated person initial here to acknowledge receipt of cooler: C.R. (date) 03-08-96

B. LOG-IN PHASE: Date samples were logged-in: 03-08-96

by (print) Cindy Roberts (sign) Cindy Roberts

11. Describe type of packing in cooler: Bubble wrap, bubble bags, ziploc bags
12. Were all bottles sealed in separate plastic bags? ..... (YES) NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... (YES) NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... (YES) NO
15. Did all bottle labels agree with custody papers? ..... YES (NO)
16. Were correct containers used for the tests indicated? ..... (YES) NO
17. Were correct preservatives added to samples? ..... (YES) NO
18. Was a sufficient amount of sample sent for tests indicated? ..... (YES) NO
19. Were bubbles absent in VOA samples? If NO, list by QA#: N/A ..... (YES) NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO
21. Who was called ? _____ By whom ? _____ (date) _____

000013

COOLER RECEIPT FORM

Contractor Cooler 09324

LIMS# _____

NRD Cooler # _____

Number of Coolers (1)of2

PROJECT: Bailey Site - Pit B Date received: 03-08-96

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: 03-08-96

by (print) Cindy Roberts (sign) Cindy Roberts

1. Did cooler come with a shipping slip (air bill, etc.)? ..... (YES) NO

If YES, enter carrier name & air bill number here: Fed Ex 9181623357 6

2. Were custody seals on outside of cooler? ..... YES (NO)

How many & where: _____, seal date: _____, seal name _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES (NO)
4. Did you screen samples for radioactivity using the Geiger Counter..... YES (NO)
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... YES (NO)
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES (NO)
7. Did you sign custody papers in the appropriate place? ..... (YES) NO
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. (YES) NO
9. If required, was enough ice used? ..... Type of ice: wet ..... (YES) NO
10. Have designated person initial here to acknowledge receipt of cooler: C.R. (date) 03-08-96

B. LOG-IN PHASE: Date samples were logged-in: 03-08-96

by (print) Cindy Roberts (sign) Cindy Roberts

11. Describe type of packing in cooler: bubble bags, bubble wrap, ziploc bag
12. Were all bottles sealed in separate plastic bags? ..... (YES) NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... (YES) NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... YES (NO)
15. Did all bottle labels agree with custody papers? ..... (YES) NO
16. Were correct containers used for the tests indicated? ..... (YES) NO
17. Were correct preservatives added to samples? ..... (YES) NO
18. Was a sufficient amount of sample sent for tests indicated? ..... (YES) NO
19. Were bubbles absent in VOA samples? If NO, list by QA#: _____ (YES) NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO

21. Who was called ? _____ By whom ? _____ (date) _____

96-3963

LAW ENVIRONMENTAL
3355 MCLEMORE DRIVE
PENSACOLA FL 32514
(904)857-0606

SHIP DATE: 09MAR96
ACC# 129742178

ACTUAL WGT: 22 LBS MAN-WT

TO: ATTN: SAMPLE RECEIVING (404)421-3300
LAW ENVIRONMENTAL NATIONAL LABS
112 TOWNPARK DRIVE

KENNESAW GA 30144

286 8201 935

FEDERAL EXPRESS

PART # 145385 FORMAT # 077 RIT 08/94

REF: BAILEY /CINDY

PRIORITY OVERNIGHT MON

CAD# 32756 09MAR96
TRK# 286 8201 935

ATL

30144-GA-US X8 NCQ

000014

SDG No: 01B88124

Method No.: 6010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96

Sampling Site(s): 1 PitB 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01	A1	AA88124	Soil		1
02	A2	AA88125	Soil		1
03	A2D	AA88126	Soil		1
04	G-PB-FB1	AA88127	FB		1
05	TB	AA88128	TB		1
06	A3	AA88129	Soil		1
07	AB1	AA88130	Soil		1
08	A4	AA88131	Soil		1
09	C1	AA88132	Soil		1
10	ICPSB0333	AA82830			
11	ICPSL0333	AA82831			
12	TCLPSB8014	AA82832			
13	ICPWB0332	AA82833			
14	ICPWLB32	AA85965			
15	ESB0336	AA85966			
16	ESL0336	AA85967			
17	AS.SEWB0334	AA85968			
18	AS.SEWL0334	AA85969			
19	PB-TLWB EWB0335	AA85970			
20	PB-TLWL EWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-91
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HQSB0541	AA85972			
22 HQSL0541	AA85973			
23 HQWB0539	AA85974			
24 HQWL0539	AA85975			
25 HQWB0540	AA85976			
26 HQWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 8H6ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICAWB0332T	AA86021			
42	ICDWL0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846ISL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP

A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X

8270 - Total

A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume

8270 - TCLP

A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 3

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000024

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:19	CH
Arsenic	SW6010	500	Not Det	03/12/96	11:19	CH
Barium	SW6010	20.0	1080	03/12/96	11:19	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	11:19	CH
Chromium	SW6010	50.0	Not Det	03/12/96	11:19	CH
Lead	SW6010	120	31.0 J	03/12/96	11:19	CH
Selenium	SW6010	500	Not Det	03/12/96	11:19	CH
Silver	SW6010	50.0	Not Det	03/12/96	11:19	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:47	CH
Arsenic	SW6010	500	Not Det	03/12/96	11:47	CH
Barium	SW6010	20.0	911	03/12/96	11:47	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	11:47	CH
Chromium	SW6010	50.0	18.0 J	03/12/96	11:47	CH
Lead	SW6010	120	38.0 J	03/12/96	11:47	CH
Selenium	SW6010	500	Not Det	03/12/96	11:47	CH
Silver	SW6010	50.0	Not Det	03/12/96	11:47	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/11/96	08:00	JE
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:51	CH
Arsenic	SW6010	500	Not Det	03/12/96	11:51	CH
Barium	SW6010	20.0	966	03/12/96	11:51	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	11:51	CH
Chromium	SW6010	50.0	17.0 J	03/12/96	11:51	CH
Lead	SW6010	120	54.0 J	03/12/96	11:51	CH
Selenium	SW6010	500	Not Det	03/12/96	11:51	CH
Silver	SW6010	50.0	Not Det	03/12/96	11:51	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000027

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest Water	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals Water ug/L	SW6010		_TITLE_	03/13/96	10:35	CH
Aluminum	SW6010	500	Not Det	03/13/96	10:35	CH
Antimony	SW6010	250	Not Det	03/13/96	10:35	CH
Barium	SW6010	20.0	Not Det	03/13/96	10:35	CH
Beryllium	SW6010	3.00	Not Det	03/13/96	10:35	CH
Cadmium	SW6010	10.0	Not Det	03/13/96	10:35	CH
Calcium	SW6010	100	Not Det	03/13/96	10:35	CH
Chromium	SW6010	50.0	Not Det	03/13/96	10:35	CH
Cobalt	SW6010	50.0	Not Det	03/13/96	10:35	CH
Copper	SW6010	50.0	Not Det	03/13/96	10:35	CH
Iron	SW6010	50.0	660	03/13/96	10:35	CH
Magnesium	SW6010	250	Not Det	03/13/96	10:35	CH
Manganese	SW6010	10.0	Not Det	03/13/96	10:35	CH
Nickel	SW6010	50.0	Not Det	03/13/96	10:35	CH
Potassium	SW6010	600	Not Det	03/13/96	10:35	CH
Silver	SW6010	50.0	12.0 J	03/13/96	10:35	CH
Sodium	SW6010	250	Not Det	03/13/96	10:35	CH
Vanadium	SW6010	50.0	Not Det	03/13/96	10:35	CH
Zinc	SW6010	10.0	Not Det	03/13/96	10:35	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000028

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/11/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	11:11	CH
Aluminum	SW6010	55.5	652	03/13/96	11:11	CH
Antimony	SW6010	27.8	Not Det	03/13/96	11:11	CH
Barium	SW6010	2.22	51.6	03/13/96	11:11	CH
Beryllium	SW6010	0.333	Not Det	03/13/96	11:11	CH
Cadmium	SW6010	1.11	Not Det	03/13/96	11:11	CH
Calcium	SW6010	11.1	490	03/13/96	11:11	CH
Chromium	SW6010	5.55	36.0	03/13/96	11:11	CH
Cobalt	SW6010	5.55	1.78 J	03/13/96	11:11	CH
Copper	SW6010	5.55	28.0	03/13/96	11:11	CH
Iron	SW6010	5.55	2170	03/13/96	11:11	CH
Magnesium	SW6010	27.8	127	03/13/96	11:11	CH
Manganese	SW6010	1.11	11.8	03/13/96	11:11	CH
Nickel	SW6010	5.55	3.55 J	03/13/96	11:11	CH
Potassium	SW6010	66.6	64.7 J	03/13/96	11:11	CH
Silver	SW6010	5.55	1.22 J	03/13/96	11:11	CH
Sodium	SW6010	27.8	488	03/13/96	11:11	CH
Vanadium	SW6010	5.55	2.44 J	03/13/96	11:11	CH
Zinc	SW6010	1.11	52.1	03/13/96	11:11	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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03/19/96

TEST DATA REPORT

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:56	CH
Arsenic	SW6010	500	Not Det	03/12/96	11:56	CH
Barium	SW6010	20.0	455	03/12/96	11:56	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	11:56	CH
Chromium	SW6010	50.0	9.00 J	03/12/96	11:56	CH
Lead	SW6010	120	Not Det	03/12/96	11:56	CH
Selenium	SW6010	500	Not Det	03/12/96	11:56	CH
Silver	SW6010	50.0	Not Det	03/12/96	11:56	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	12:00	CH
Arsenic	SW6010	500	Not Det	03/12/96	12:00	CH
Barium	SW6010	20.0	1480	03/12/96	12:00	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	12:00	CH
Chromium	SW6010	50.0	Not Det	03/12/96	12:00	CH
Lead	SW6010	120	33.0 J	03/12/96	12:00	CH
Selenium	SW6010	500	Not Det	03/12/96	12:00	CH
Silver	SW6010	50.0	Not Det	03/12/96	12:00	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: A4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/11/96	08:00	JE
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	12:04	CH
Arsenic	SW6010	500	Not Det	03/12/96	12:04	CH
Barium	SW6010	20.0	1060	03/12/96	12:04	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	12:04	CH
Chromium	SW6010	50.0	11.0 J	03/12/96	12:04	CH
Lead	SW6010	120	27.0 J	03/12/96	12:04	CH
Selenium	SW6010	500	Not Det	03/12/96	12:04	CH
Silver	SW6010	50.0	Not Det	03/12/96	12:04	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 1

--- Project Information ---

Station ID: C1
BAILEY PROJECT GE3913

Project Name: BAILTCLP
SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132
Collector: WISEALOWSKI

Date Sampled: 03/07/96
Time Sampled: 00:00
Log In Date: 03/08/96
Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	12:08	CH
Arsenic	SW6010	500	Not Det	03/12/96	12:08	CH
Barium	SW6010	20.0	994	03/12/96	12:08	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	12:08	CH
Chromium	SW6010	50.0	Not Det	03/12/96	12:08	CH
Lead	SW6010	120	26.0 J	03/12/96	12:08	CH
Selenium	SW6010	500	Not Det	03/12/96	12:08	CH
Silver	SW6010	50.0	Not Det	03/12/96	12:08	CH

Remarks:

Signed: _____
James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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03/19/96

Page 1

--- Project Information ---

Station ID: A1 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86025

Collector:

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	JE
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:27	CH
Arsenic	SW6010	500	1970	03/12/96	11:27	CH
Barium	SW6010	20.0	2900	03/12/96	11:27	CH
Cadmium	SW6010	10.0	40.0	03/12/96	11:27	CH
Chromium	SW6010	50.0	180	03/12/96	11:27	CH
Lead	SW6010	120	465	03/12/96	11:27	CH
Selenium	SW6010	500	1790	03/12/96	11:27	CH
Silver	SW6010	50.0	97.0	03/12/96	11:27	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 1

--- Project Information ---

Station ID: A1 MSD
BAILEY PROJECT GE3913

Project Name: BAILTCLP
SDG: 01B88124

--- Sample Information ---

Lab ID: AA86026
Collector:

Date Sampled: 03/06/96
Time Sampled: 00:00
Log In Date: 03/08/96
Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	JE
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:31	CH
Arsenic	SW6010	500	1890	03/12/96	11:31	CH
Barium	SW6010	20.0	2860	03/12/96	11:31	CH
Cadmium	SW6010	10.0	38.0	03/12/96	11:31	CH
Chromium	SW6010	50.0	184	03/12/96	11:31	CH
Lead	SW6010	120	460	03/12/96	11:31	CH
Selenium	SW6010	500	1730	03/12/96	11:31	CH
Silver	SW6010	50.0	95.0	03/12/96	11:31	CH

Remarks:

Signed: _____
James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/20/96

Page 1

Station ID: ICPSB0333

BAILEY PROJECT GE3913

Lab ID: AA82830

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/11/96

Time Sampled: 10:00

Log In Date: 03/11/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/11/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	10:39	CH
Aluminum	SW6010	50.0	8.20 J	03/13/96	10:39	CH
Antimony	SW6010	25.0	3.30 J	03/13/96	10:39	CH
Barium	SW6010	2.00	Not Det	03/13/96	10:39	CH
Beryllium	SW6010	0.300	Not Det	03/13/96	10:39	CH
Cadmium	SW6010	1.00	Not Det	03/13/96	10:39	CH
Calcium	SW6010	10.0	Not Det	03/13/96	10:39	CH
Chromium	SW6010	5.00	2.00 J	03/13/96	10:39	CH
Cobalt	SW6010	5.00	Not Det	03/13/96	10:39	CH
Copper	SW6010	5.00	Not Det	03/13/96	10:39	CH
Iron	SW6010	5.00	Not Det	03/13/96	10:39	CH
Magnesium	SW6010	25.0	Not Det	03/13/96	10:39	CH
Manganese	SW6010	1.00	Not Det	03/13/96	10:39	CH
Nickel	SW6010	5.00	Not Det	03/13/96	10:39	CH
Potassium	SW6010	60.0	Not Det	03/13/96	10:39	CH
Silver	SW6010	5.00	1.20 J	03/13/96	10:39	CH
Sodium	SW6010	25.0	Not Det	03/13/96	10:39	CH
Vanadium	SW6010	5.00	1.90 J	03/13/96	10:39	CH
Zinc	SW6010	1.00	Not Det	03/13/96	10:39	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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03/19/96

Page 1

--- Project Information ---

Station ID: ICPWB0332

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA82833

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:00

Log In Date: 03/11/96

Log In Time: 08:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest Water	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals Water ug/L	SW6010		_TITLE_	03/13/96	10:27	CH
Aluminum	SW6010	500	58.0 J	03/13/96	10:27	CH
Antimony	SW6010	250	Not Det	03/13/96	10:27	CH
Barium	SW6010	20.0	Not Det	03/13/96	10:27	CH
Beryllium	SW6010	3.00	Not Det	03/13/96	10:27	CH
Cadmium	SW6010	10.0	Not Det	03/13/96	10:27	CH
Calcium	SW6010	100	Not Det	03/13/96	10:27	CH
Chromium	SW6010	50.0	Not Det	03/13/96	10:27	CH
Cobalt	SW6010	50.0	Not Det	03/13/96	10:27	CH
Copper	SW6010	50.0	16.0 J	03/13/96	10:27	CH
Iron	SW6010	50.0	Not Det	03/13/96	10:27	CH
Magnesium	SW6010	250	Not Det	03/13/96	10:27	CH
Manganese	SW6010	10.0	Not Det	03/13/96	10:27	CH
Nickel	SW6010	50.0	13.0 J	03/13/96	10:27	CH
Potassium	SW6010	600	Not Det	03/13/96	10:27	CH
Silver	SW6010	50.0	11.0 J	03/13/96	10:27	CH
Sodium	SW6010	250	Not Det	03/13/96	10:27	CH
Vanadium	SW6010	50.0	Not Det	03/13/96	10:27	CH
Zinc	SW6010	10.0	Not Det	03/13/96	10:27	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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03/19/96

Page 1

Station ID: TCLPSB8014

BAILEY PROJECT GE3913

Lab ID: AA82832

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/09/96

Time Sampled: 12:30

Log In Date: 03/09/96

Log In Time: 12:30

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-1311 TCLP Ext Met S	SW1311		Done	03/09/96	12:30	SB
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	12:12	CH
Arsenic	SW6010	500	Not Det	03/12/96	12:12	CH
Barium	SW6010	20.0	Not Det	03/12/96	12:12	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	12:12	CH
Chromium	SW6010	50.0	Not Det	03/12/96	12:12	CH
Lead	SW6010	120	Not Det	03/12/96	12:12	CH
Selenium	SW6010	500	Not Det	03/12/96	12:12	CH
Silver	SW6010	50.0	Not Det	03/12/96	12:12	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 1
Station ID: ICPWB0332T
BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP
SDG: 01B88124

--- Sample Information ---

Lab ID: AA86021
Collector:

Date Sampled: 03/11/96
Time Sampled: 08:00
Log In Date: 03/11/96
Log In Time: 08:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:11	CH
Arsenic	SW6010	500	Not Det	03/12/96	11:11	CH
Barium	SW6010	20.0	Not Det	03/12/96	11:11	CH
Cadmium	SW6010	10.0	Not Det	03/12/96	11:11	CH
Chromium	SW6010	50.0	Not Det	03/12/96	11:11	CH
Lead	SW6010	120	Not Det	03/12/96	11:11	CH
Selenium	SW6010	500	Not Det	03/12/96	11:11	CH
Silver	SW6010	50.0	Not Det	03/12/96	11:11	CH

Remarks:

Signed: _____
James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ICPSB0333

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
ICPSB0333	AA82830	3/11/96	SQ	LB
ICPSL0333	AA82831	3/11/96	SQ	BS
A3	AA88129	3/7/96	SO	N

LCS : SW6010
initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : ICPSL0333
LIMS Sample ID : AA82831
Date of Extraction : 3/11/96
Time of Extraction : 10:00
Date of Analysis : 3/13/96
Time of Analysis : 10:43

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Aluminum	500	499	100		80	120	PR
Antimony	100	97.5	98		80	120	PR
Barium	500	493	99		80	120	PR
Beryllium	20	19.5	98		80	120	PR
Cadmium	20	18	90		80	120	PR
Calcium	1,250	1,260	101		80	120	PR
Chromium	20	21.1	106		80	120	PR
Cobalt	100	103	103		80	120	PR
Copper	100	101	101		80	120	PR
Iron	500	516	103		80	120	PR
Magnesium	1,250	1,270	102		80	120	PR
Manganese	100	102	102		80	120	PR
Nickel	100	99.9	100		80	120	PR
Potassium	1,250	1,220	98		80	120	PR
Silver	20	20.4	102		80	120	PR
Sodium	1,250	1,220	98		80	120	PR
Vanadium	100	104	104		80	120	PR
Zinc	100	103	103		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ICPWB0332

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
ICPWB0332	AA82833	3/11/96	WQ	LB
ICPWL0332	AA85965	3/11/96	WQ	BS
G-PB-FB1	AA88127	3/6/96	WQ	EB

LCS : SW6010
initial
Extraction Method : SW3010
Matrix : WQ
Units : ug/L

Sample Name : ICPWL0332
LIMS Sample ID : AA85965
Date of Extraction : 3/11/96
Time of Extraction : 08:00
Date of Analysis : 3/13/96
Time of Analysis : 10:31

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Aluminum	5,000	5,240	105		80	120	PR
Antimony	1,000	1,070	107		80	120	PR
Barium	5,000	5,090	102		80	120	PR
Beryllium	200	210	105		80	120	PR
Cadmium	200	188	94		80	120	PR
Calcium	12,500	13,300	106		80	120	PR
Chromium	200	218	109		80	120	PR
Cobalt	1,000	1,100	110		80	120	PR
Copper	1,000	1,060	106		80	120	PR
Iron	5,000	5,380	108		80	120	PR
Magnesium	12,500	13,300	106		80	120	PR
Manganese	1,000	1,050	105		80	120	PR
Nickel	1,000	1,050	105		80	120	PR
Potassium	12,500	12,300	98		80	120	PR
Silver	200	210	105		80	120	PR
Sodium	12,500	12,600	101		80	120	PR
Vanadium	1,000	1,090	109		80	120	PR
Zinc	1,000	1,090	109		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID: TCLPSB8014

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date: 03/09/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : ICPWB0332T

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8014	AA82832	3/9/96	SQ	LB
ICPWB0332T	AA86021	3/11/96	WQ	LB
ICPWL0332T	AA86022	3/11/96	WQ	BS
A1 MS	AA86025	3/6/96	SQ	MS
A1 MSD	AA86026	3/6/96	SQ	SD
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

MSD : SW6010
Initial
Extraction : SW3010
Matrix : SQ
Units : ug/L
Neat Sample : AA88130

MS Sample Name : A1 MS
MS LIMS ID : AA86025
MS Extraction : 3/11/96
MS Extraction : 08:00
MS Analysis : 3/12/96
MS Analysis : 11:27

MSD Sample Name : A1 MSD
MSD LIMS ID : AA86026
MSD Extraction : 3/11/96
MSD Extraction : 08:00
MSD Analysis : 3/12/96
MSD Analysis : 11:31

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
Arsenic	0	2,000	1,970	99		2,000	1,890	95		4		75	125	20	PR
Barium	1,480	2,000	2,900	71	*	2,000	2,860	69	*	3		75	125	20	PR
Cadmium	0	50	40	80		50	38	76		5		75	125	20	PR
Chromium	0	200	180	90		200	184	92		2		75	125	20	PR
Lead	33	500	465	86		500	460	85		1		75	125	20	PR
Selenium	0	2,000	1,790	90		2,000	1,730	87		3		75	125	20	PR
Silver	0	100	97	97		100	95	95		2		75	125	20	PR

Law Engineering and Environmental Services, Inc.
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LCS : SW6010
initial
Extraction Method : SW3010
Matrix : WQ
Units : ug/L

Sample Name : ICPWL0332T
LIMS Sample ID : AA86022
Date of Extraction : 3/11/96
Time of Extraction : 08:00
Date of Analysis : 3/12/96
Time of Analysis : 11:15

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Arsenic	1,000	989	99		80	120	PR
Barium	5,000	4,680	94		80	120	PR
Cadmium	200	188	94		80	120	PR
Chromium	200	193	97		80	120	PR
Lead	1,000	1,010	101		80	120	PR
Selenium	1,000	858	86		80	120	PR
Silver	200	190	95		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

000044

03/20/96

Page 1

--- Project Information ---

Station ID: ICPSL0333

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA82831

Collector:

Date Sampled: 03/11/96

Time Sampled: 10:00

Log In Date: 03/11/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 ICP Digest Soil	SW3050		Done	03/11/96	10:00	JE
610-6010 ICP Metals Soil mg/Kg	SW6010		_TITLE_	03/13/96	10:43	CH
Aluminum	SW6010	50.0	499	03/13/96	10:43	CH
Antimony	SW6010	25.0	97.5	03/13/96	10:43	CH
Barium	SW6010	2.00	493	03/13/96	10:43	CH
Beryllium	SW6010	0.300	19.5	03/13/96	10:43	CH
Cadmium	SW6010	1.00	18.0	03/13/96	10:43	CH
Calcium	SW6010	10.0	1260	03/13/96	10:43	CH
Chromium	SW6010	5.00	21.1	03/13/96	10:43	CH
Cobalt	SW6010	5.00	103	03/13/96	10:43	CH
Copper	SW6010	5.00	101	03/13/96	10:43	CH
Iron	SW6010	5.00	516	03/13/96	10:43	CH
Magnesium	SW6010	25.0	1270	03/13/96	10:43	CH
Manganese	SW6010	1.00	102	03/13/96	10:43	CH
Nickel	SW6010	5.00	99.9	03/13/96	10:43	CH
Potassium	SW6010	60.0	1220	03/13/96	10:43	CH
Silver	SW6010	5.00	20.4	03/13/96	10:43	CH
Sodium	SW6010	25.0	1220	03/13/96	10:43	CH
Vanadium	SW6010	5.00	104	03/13/96	10:43	CH
Zinc	SW6010	1.00	103	03/13/96	10:43	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000045

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: ICPWL0332

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85965

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:00

Log In Date: 03/11/96

Log In Time: 08:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest Water	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals Water ug/L	SW6010		_TITLE_	03/13/96	10:31	CH
Aluminum	SW6010	500	5240	03/13/96	10:31	CH
Antimony	SW6010	250	1070	03/13/96	10:31	CH
Barium	SW6010	20.0	5090	03/13/96	10:31	CH
Beryllium	SW6010	3.00	210	03/13/96	10:31	CH
Cadmium	SW6010	10.0	188	03/13/96	10:31	CH
Calcium	SW6010	100	13300	03/13/96	10:31	CH
Chromium	SW6010	50.0	218	03/13/96	10:31	CH
Cobalt	SW6010	50.0	1100	03/13/96	10:31	CH
Copper	SW6010	50.0	1060	03/13/96	10:31	CH
Iron	SW6010	50.0	5380	03/13/96	10:31	CH
Magnesium	SW6010	250	13300	03/13/96	10:31	CH
Manganese	SW6010	10.0	1050	03/13/96	10:31	CH
Nickel	SW6010	50.0	1050	03/13/96	10:31	CH
Potassium	SW6010	600	12300	03/13/96	10:31	CH
Silver	SW6010	50.0	210	03/13/96	10:31	CH
Sodium	SW6010	250	12600	03/13/96	10:31	CH
Vanadium	SW6010	50.0	1090	03/13/96	10:31	CH
Zinc	SW6010	10.0	1090	03/13/96	10:31	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: ICPWL0332T

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86022

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:00

Log In Date: 03/11/96

Log In Time: 08:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3010 ICP Digest TCLP	SW3010		Done	03/11/96	08:00	JE
610-6010 ICP Metals TCLP ug/L	SW6010		_TITLE_	03/12/96	11:15	CH
Arsenic	SW6010	500	989	03/12/96	11:15	CH
Barium	SW6010	20.0	4680	03/12/96	11:15	CH
Cadmium	SW6010	10.0	188	03/12/96	11:15	CH
Chromium	SW6010	50.0	193	03/12/96	11:15	CH
Lead	SW6010	120	1010	03/12/96	11:15	CH
Selenium	SW6010	500	858	03/12/96	11:15	CH
Silver	SW6010	50.0	190	03/12/96	11:15	CH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

000047

Client: Bailey Site - Pit B

Case:

Form Initiated 03/08/96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Custody From:

Custody To: Y=Yes/N=N

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
04	S	CM	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	8050A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
04	S	JRG	9010	SR	3/13/96	0900	SR	3/13/96	1700	Y-S
04	S	KLO	8240	SR	3/9/96	12:00	GCMS	3/9/96	12:05	N-S
01-07	S	R	①	SR	3/11/96	0800	SR	3/11/96	1700	S-Y

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

① Ignitibility, Paint Filter, Ph, Moisture, ZHE, TCLP

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM Metals
LEESNL-PENSACOLA, FL

Page 1 of 000048

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3/11/96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	I Pump	3-12-96	1400	I Pump	3-13-96	[illegible]	Y/D
[illegible]	D	[illegible]	[illegible]	[illegible]	3-13-96	[illegible]	[illegible]	[illegible]	[illegible]	Y/D

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

DV:09/08/95

Page 000049

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3 / 8 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=no
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-02	S	MA	8240	SR	3/8/96	1300	GC/MS	3/8/96	1200	
01	S	CM	7470A	SR	3-8-96	0800	SR	3-8-96	1700	Y-S
01	S	DK	A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
01	S	SR	8270	SR	3/10/96	0800	Consumed			

SAMPLES CONSTITUTING THIS BATCH

Matrix: Water

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

PA 3020 7470/7060 - DK

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM Metals
LEESNL-PENSACOLA, FL

Page 1 of 000050

Client: Bailey Site-Pit B

Case: GE-3913

Form Initiated 3 / 11 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C1	D	[illegible]	7000	[illegible]	3-12-96	10:00	[illegible]	3-15-96	12:00	Y/D
[illegible]	D	[illegible]	6010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y/D

SAMPLES CONSTITUTING THIS BATCH

Matrix: Waters

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 52D-332

DV:030994
Page 1 of 1

Client: Bailey - Case: GE-3913 SDG: 018885-24
Method Ref.: 3010A Fraction: ICP QC: NA Date 3/11/96 Tech: JDE
Balance:Syst.ID: BAL-002 CMR Ref.: 72C-C82 LCS Ref.: 44H-474849
Reagents Ref.: 53B-649E, 53B-664 MSS Ref.: 44H-565758

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments
1	PrepBlank					0.1	0.1	1.0	Co	Co	C	C			AA82833 / AA86021
2	LCS								Co	Y	C	C			AA85965 / AA86022
3	AA88124	A1	Y	LW	Y				Y	Y	C	C			
4	AA88124MS	A1							Y	Y	C	C			AA86025
5	AA88124MSD	A1							Y	Y	C	C			AA86026
6	AA88125	A2							Y	Y	C	C			
7	AA88126	A2D							Y	Y	C	C			
8	AA88129	A3							Y	Y	C	C			
9	AA88130	AB1							Co	Y	C	C			
10	AA88131	A4							Co	Co	C	C			
11	AA88132	C1							Y	Y	C	C			
12	AA88127	GPB-FB1							Co	Co	C	C			
13	TCLPBLK#81114		↓	↓	↓	↓	↓	↓	Co	Co	C	C			AA82832
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

DV:021892
LENL-Pensacola
TECH: SNB

TCLP PREP SHEET
Bailey

Page 1 Of 1

RL# 510-8014

EXTRACTION INFORMATION:
BEGIN DATE: 3-9-96 TIME: 1230
END DATE: 3-10-96 TIME: 1000

C/M/R: BALANCE ____:_____ OVEN 006:_____

FLUID #1 REF: 4.94
FLUID #2 REF:

SAMPLE I.D.	FLUID TYPE	WGT. OF SAMPLE EXTR.	WGT. OF FLUID	AMOUNT OF FLUID COLLECTED	Final pH	COMMENTS
BLK	Type 1	—	1000ml	1000	5	AA 82832
88124		75.38	1500	~~1000~~ DET 1500	5	
88125		75.50	1500	~~1600~~ DET 1500	5	
88126		75.50	1500	1500	5	
88129		75.50	1500	1500	6	
88130		150.32	3000	1500	6	
88131		75.12	1500	1500	6	
88132		75.07	1500	1500	6	

000053

ICP Analysis Log 158D-163

DV:030996 000054

LENL-Pensacola, FL

RL # 158D-163 Page 1 of 2

Client: Bailey SDG: AB88124

Analyte(s): TCLP List Method Ref: 6010

System ID: ICP-OCI Program: RCRA Results File ID: AA88124

Calib. Data: Cal. Stds. Ref: 149F84 ICV Stds. Ref: 149F91

PQL Stds. Ref: N/A ICS Stds. Ref: 149F79 149F86

C/M/R Ref: 158D-Pg 34 CRI Stds. Ref: 149F77

Date 3/12/96 Analyst: CLH (CP) 3-12-96

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std 1		X	X	X	
	3	Cal. Std 2		X	X	X	
	4	Cal. Std 3		X	X	X	
	5	Cal. Std 4		X	X	X	
	6	Cal. Std 5		X	X	X	
	7	Cal Std. 6		X	X	X	
	8	Cal. Std 7		X	X	X	
	9	ICV		X	X	X	
	10	ICB		X	X	X	
	11	ICSAI		X	X	X	
	12	ICSABI		X	X	X	
	13	CRII/PQL		X	X	X	
✓	14	PB (W/S)	332	W	1	1	
✓	15	LCS (W/S)	332	W	1	1	
✓	16	AA88124	A1	W	1	1	
	17	AA88124L	↓	W	1	5	
✓	18*	AA88124ms	↓	W	1	1	
✓	19*	AA88124msD	↓	W	1	1	
	20	BLK		X	X	X	Omit CLH
	21	CCV		X	X	X	
	22	CCBI		X	X	X	
✓	23	AA88125	A2	W	1	1	
✓	24	AA88126	A2D	W	1	1	
✓	25	AA88129	A3	W	1	1	
✓	26	AA88130	AB1	W	1	1	
✓	27	AA88131	A4	W	1	1	
✓	28	AA88132	C1	W	1	1	
✓	29	TCLP	8014	W	1	1	
	30*	BLK		X	X	X	omit CLH

158D-163 DV:030994

Pensacola, FL

RL # 158D-163 Page 12 of 20 000051

Client: Bailey Case: N/A SDG: 01B88124

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31*	BLK		X	X	X	Omit Cl4
32	CCV		X	X	X	
33	CCB2		X	X	X	
34	AA88127	G-PB-FB1	W	1	1	Omit Cl4
35	X1		X	X	X	
36	X2		X	X	X	
37	CRIF		X	X	X	
38	ICSA		X	X	X	
39	ICSAB		X	X	X	
40	CCV		X	X	X	
41	CCB3		X	X	X	
42*						
43*						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54*						
55*						
56						
57						
58						
59						
60						

Seq	Comments

000056

Least Squares Regression Report
Analyte : Ag Channel : 18
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
10:25 AM Tuesday March 12, 1996

Intercept : -1.08445E-03
Coefficient 2 : 1.60509E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.007	0.0042		Included
2	0.0480	0.0501	-4.3286	0.319	0.0179		Included
3	0.0960	0.0972	-1.2365	0.612	0.0187		Included
4	0.4800	0.4743	1.1870	2.962	0.0309		Included
5	1.2000	1.1713	2.3907	7.304	0.0155		Included
6	2.0000	1.9698	1.5078	12.279	0.0562		Included

Correlation Coefficient : 9.9972712E-01
Root Mean Square : 2.2234983E+00
Standard Error of Estimate : 4.2257824E-03

Least Squares Regression Report
Analyte : Al Channel : 12
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
10:25 AM Tuesday March 12, 1996

Intercept : -1.26740E-01
Coefficient 2 : 8.17000E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		0.155	0.0035		Included
2	0.4800	0.4797	0.0671	0.742	0.0058		Included
3	2.4000	2.4442	-1.8398	3.147	0.0316		Included
4	4.8000	4.8265	-0.5526	6.063	0.0561		Included
5	24.0000	23.9821	0.0745	29.509	0.2082		Included
6	60.0000	59.2777	1.2038	72.710	0.8513		Included
7	100.0000	99.1790	0.8210	121.549	1.7736		Included

Correlation Coefficient : 9.9993308E-01
Root Mean Square : 9.1208704E-01
Standard Error of Estimate : 8.5011334E-03

Least Squares Regression Report
Analyte : As Channel : 5
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
10:25 AM Tuesday March 12, 1996

Intercept : -1.42323E-02
Coefficient 2 : 1.01613E+00

00005'

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.014	0.0189		Included
2	0.4800	0.4875	-1.5587	0.494	0.0188		Included
3	2.4000	2.4377	-1.5704	2.413	0.0431		Included
4	6.0000	5.9390	1.0164	5.859	0.0555		Included
5	10.0000	9.8077	1.9232	9.666	0.1307		Included

Correlation Coefficient : 9.9970163E-01
Root Mean Square : 1.3876132E+00
Standard Error of Estimate : 1.8055506E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Ba Channel : 2
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:25 AM Tuesday March 12, 1996

Intercept : -6.17713E-05
Coefficient 2 : 4.93903E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.001	0.0036		Included
2	0.0200	0.0272	-35.8232	0.551	0.0104		Included
3	0.0480	0.0465	3.0973	0.943	0.0095		Included
4	0.2400	0.2303	4.0593	4.663	0.0391		Included
5	1.2000	1.1734	2.2175	23.759	0.2979		Included
6	2.4000	2.3137	3.5973	46.846	0.6102		Included
7	12.0000	11.6711	2.7405	236.305	2.2804		Included
8	30.0000	28.6434	4.5221	579.940	7.9319		Included
9	50.0000	47.4897	5.0206	961.520	16.0597		Included

Correlation Coefficient : 9.9836605E-01
Root Mean Square : 1.2384566E+01
Standard Error of Estimate : 5.2732602E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Be Channel : 13
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:26 AM Tuesday March 12, 1996

Intercept : -3.44822E-03
Coefficient 2 : 1.64181E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0001		0.219	0.0017		Included
2	0.0020	0.0018	12.1832	0.317	0.0054		Included
3	0.0100	0.0095	5.1893	0.787	0.0024		Included
4	0.0480	0.0498	-3.6643	3.241	0.0418		Included
5	0.0960	0.0965	-0.5222	6.088	0.0848		Included

[illegible]	[illegible]	[illegible]	-2.0267	30.038	0.3021		Included
7	1.2000	1.1859	1.1724	72.443	1.0932		Included

000058

Correlation Coefficient : 9.9987660E-01
Root Mean Square : 5.2717739E+00
Standard Error of Estimate : 6.1995991E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Ca — Channel : 14 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:26 AM Tuesday March 12, 1996

Intercept : -8.46462E-01
Coefficient 2 : 7.07853E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0115		1.179	0.0044		Included
2	0.1000	0.1176	-17.6336	1.362	0.0061		Included
3	0.2400	0.2353	1.9524	1.528	0.0120		Included
4	1.2000	1.1948	0.4326	2.684	0.0022		Included
5	6.0000	6.1208	-2.0126	9.643	0.0522		Included
6	12.0000	12.0699	-0.5826	18.247	0.1120		Included
7	60.0000	60.2575	-0.4292	86.323	0.5057		Included
8	150.0000	148.3495	1.1003	210.772	1.5591		Included
9	250.0000	246.6637	1.3345	349.663	2.7749		Included

Correlation Coefficient : 9.9988975E-01
Root Mean Square : 5.9861729E+00
Standard Error of Estimate : 9.2782685E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Cd — Channel : 20 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:26 AM Tuesday March 12, 1996

Intercept : 1.24338E-04
Coefficient 2 : 9.94982E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.001	0.0217		Included
2	0.0100	0.0101	-0.9904	0.100	0.0119		Included
3	0.0480	0.0519	-8.2043	0.521	0.0053		Included
4	0.0960	0.0945	1.5642	0.948	0.0163		Included
5	0.4800	0.4837	-0.7782	4.860	0.0458		Included
6	1.2000	1.1659	2.8400	11.717	0.1744		Included
7	2.0000	1.9070	4.6521	19.164	0.2902		Included

Correlation Coefficient : 9.9862417E-01
Root Mean Square : 3.7994409E+00
Standard Error of Estimate : 4.3195256E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Co — Channel : 21 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 10:26 AM Tuesday March 12, 1996

Intercept : -1.53465E-03

Coefficient 2 : 1.36241E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.011	0.0147		Included
2	0.0480	0.0497	-3.5248	0.376	0.0159		Included
3	0.2400	0.2516	-4.8478	1.858	0.0428		Included
4	0.4800	0.4829	-0.6049	3.556	0.0466		Included
5	2.4000	2.3936	0.2676	17.580	0.0770		Included
6	6.0000	5.8057	3.2390	42.624	0.3264		Included
7	10.0000	9.5459	4.5412	70.077	0.9131		Included

Correlation Coefficient : 9.9863589E-01

Root Mean Square : 3.1047554E+00

Standard Error of Estimate : 4.9610622E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Cr — Channel : 30 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 10:27 AM Tuesday March 12, 1996

Intercept : 1.04086E-02

Coefficient 2 : 2.33119E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0004		-0.047	0.0074		Included
2	0.0480	0.0556	-15.9036	0.194	0.0156		Included
3	0.0960	0.0975	-1.5403	0.373	0.0264		Included
4	0.4800	0.4535	5.5309	1.900	0.0349		Included
5	1.2000	1.1088	7.5993	4.712	0.0291		Included
6	2.0000	1.8481	7.5927	7.883	0.0494		Included

Correlation Coefficient : 9.9503489E-01

Root Mean Square : 8.1780971E+00

Standard Error of Estimate : 2.5450406E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Cu — Channel : 16 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 10:27 AM Tuesday March 12, 1996

Intercept : [illegible]
Coefficient 2 : 9.60235E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		0.081	0.0058		Included
2	0.0480	0.0541	-12.7666	0.646	0.0090		Included
3	0.2400	0.2465	-2.7130	2.650	0.0290		Included
4	0.4800	0.4758	0.8718	5.038	0.0592		Included
5	2.4000	2.3510	2.0402	24.566	0.2215		Included
6	6.0000	5.7660	3.9001	60.130	0.9635		Included
7	10.0000	9.6016	3.9842	100.074	2.1294		Included

Correlation Coefficient : 9.9879345E-01
Root Mean Square : 5.4294854E+00
Standard Error of Estimate : 5.1605588E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Fe — Channel : 28 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:27 AM Tuesday March 12, 1996

Intercept : -3.47800E-03
Coefficient 2 : 2.95300E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.012	0.0098		Included
2	0.0380	0.0398	-4.6934	0.146	0.0094		Included
3	0.0960	0.0932	2.8825	0.327	0.0117		Included
4	0.4800	0.4834	-0.7080	1.649	0.0171		Included
5	2.4000	2.4633	-2.6380	8.353	0.0456		Included
6	4.8000	4.8465	-0.9694	16.424	0.0705		Included
7	24.0000	24.0545	-0.2270	81.469	0.7161		Included
8	60.0000	58.6496	2.2507	198.622	1.4454		Included
9	100.0000	96.9251	3.0749	328.237	3.2088		Included

Correlation Coefficient : 9.9944197E-01
Root Mean Square : 2.4337703E+00
Standard Error of Estimate : 7.7849660E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Hg — Channel : 3 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:27 AM Tuesday March 12, 1996

Intercept : 1.67254E-02
Coefficient 2 : 6.23138E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		-0.027	0.0119		Included

	[illegible]	0.2647	-10.3059	0.398	0.0255	Included
3	0.4800	0.4732	1.4221	0.732	0.0038	Included
4	2.4000	2.3521	1.9963	3.748	0.0349	Included
5	6.0000	5.8018	3.3037	9.284	0.0453	Included
6	10.0000	9.6540	3.4598	15.466	0.0615	Included

Correlation Coefficient : 9.9900128E-01
Root Mean Square : 4.7452417E+00
Standard Error of Estimate : 3.5645092E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : K Channel : 26 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 10:28 AM Tuesday March 12, 1996

Intercept : -3.34899E+00
Coefficient 2 : 8.01310E+00

Std	Concentration	Calc. Conc	% Delta Conc	Xpulses	%RSD Xpulses	I.S. Xpulses	Used in Regression
1	0.0000	0.0005		0.418	0.0008		Included
2	0.6000	0.6536	-8.9251	0.499	0.0031		Included
3	3.0000	2.9072	3.0922	0.781	0.0092		Included
4	6.0000	5.9222	1.2973	1.157	0.0235		Included
5	30.0000	29.7311	0.8964	4.128	0.1122		Included
6	75.0000	74.9890	0.0146	9.776	0.3064		Included
7	125.0000	127.3486	-1.8789	16.310	0.7205		Included

Correlation Coefficient : 9.9979968E-01
Root Mean Square : 3.6885143E+00
Standard Error of Estimate : 1.0499297E-01

Least Squares Regression Report — Task Name : RCRA
Analyte : Mg Channel : 4 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 10:28 AM Tuesday March 12, 1996

Intercept : -2.22511E+00
Coefficient 2 : 3.60121E+00

Std	Concentration	Calc. Conc	% Delta Conc	Xpulses	%RSD Xpulses	I.S. Xpulses	Used in Regression
1	0.0000	-0.0230		0.611	0.0010		Included
2	0.2400	0.2435	-1.4676	0.685	0.0024		Included
3	1.2000	1.2086	-0.7206	0.953	0.0017		Included
4	6.0000	6.1693	-2.8220	2.331	0.0180		Included
5	12.0000	12.2293	-1.9105	4.014	0.0441		Included
6	60.0000	60.4297	-0.7162	17.398	0.1256		Included
7	150.0000	147.8519	1.4321	41.674	0.5208		Included
8	250.0000	244.5481	2.1808	68.525	1.1169		Included

Correlation Coefficient : 9.9971183E-01

Root Mean Square : 1.6434142E+00
Standard Error of Estimate : 5.7235259E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Mn Channel : 27 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 10:28 AM Tuesday March 12, 1996

Intercept : -6.73992E-04
Coefficient 2 : 2.40624E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.028	0.0114		Included
2	0.0100	0.0100	-0.3377	0.445	0.0199		Included
3	0.0480	0.0484	-0.8234	2.039	0.0235		Included
4	0.2400	0.2450	-2.1021	10.212	0.0141		Included
5	0.4800	0.4812	-0.2574	20.027	0.0966		Included
6	2.4000	2.3899	0.4198	99.350	0.8012		Included
7	6.0000	5.8268	2.8871	242.181	1.5964		Included

Correlation Coefficient : 9.9949789E-01
Root Mean Square : 1.4035108E+00
Standard Error of Estimate : 4.0328602E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Mo Channel : 10 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 10:28 AM Tuesday March 12, 1996

Intercept : -5.56972E-03
Coefficient 2 : 3.05754E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.018	0.0063		Included
2	0.0480	0.0466	2.9971	0.170	0.0155		Included
3	0.0960	0.0978	-1.8492	0.338	0.0105		Included
4	0.4800	0.4888	-1.8247	1.617	0.0291		Included
5	1.2000	1.2048	-0.3966	3.958	0.0544		Included
6	2.0000	1.9741	1.2944	6.475	0.0710		Included

Correlation Coefficient : 9.9988061E-01
Root Mean Square : 1.7109613E+00
Standard Error of Estimate : 6.0389391E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Na Channel : 9 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared

Intercept : 2.26882E-01
Coefficient 2 : 7.07310E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0028		-0.317	0.0068		Included
2	0.2400	0.2400	0.0048	0.019	0.0083		Included
3	1.2000	1.2080	-0.6672	1.387	0.0358		Included
4	6.0000	6.0862	-1.4360	8.284	0.3246		Included
5	12.0000	12.1711	-1.4256	16.887	0.6147		Included
6	60.0000	60.6068	-1.0113	85.365	2.4489		Included
7	150.0000	148.5341	0.9773	209.678	6.4517		Included
8	250.0000	244.1360	2.3456	344.840	13.8124		Included

Correlation Coefficient : 9.9969237E-01
Root Mean Square : 1.2257285E+00
Standard Error of Estimate : 1.0880748E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Ni Channel : 22
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :
10:29 AM Tuesday March 12, 1996

Intercept : -2.13206E-03
Coefficient 2 : 1.52772E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.014	0.0430		Included
2	0.0480	0.0443	7.6864	0.304	0.0207		Included
3	0.2400	0.2501	-4.2218	1.651	0.0708		Included
4	0.4800	0.4973	-3.6077	3.269	0.0396		Included
5	2.4000	2.4664	-2.7663	16.158	0.0858		Included
6	6.0000	5.9774	0.3774	39.140	0.3939		Included
7	10.0000	9.7880	2.1202	64.083	1.2965		Included

Correlation Coefficient : 9.9971921E-01
Root Mean Square : 3.8211715E+00
Standard Error of Estimate : 6.9483297E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Pb Channel : 19
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :
10:29 AM Tuesday March 12, 1996

Intercept : 3.01383E-04
Coefficient 2 : 6.02718E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

1	0.0000	0.0000		-0.001	0.0054	Included
2	0.1200	0.1154	3.8162	0.191	0.0126	Included
3	0.6000	0.6256	-4.2703	1.037	0.0095	Included
4	1.2000	1.2306	-2.5500	2.041	0.0295	Included
5	6.0000	6.0683	-1.1387	10.068	0.1092	Included
6	15.0000	14.8070	1.2868	24.566	0.2333	Included
7	25.0000	24.4090	2.3638	40.498	0.6237	Included

Correlation Coefficient : 9.9964910E-01
Root Mean Square : 2.6142796E+00
Standard Error of Estimate : 1.8601990E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Sb — Channel : 17 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:29 AM Tuesday March 12, 1996

Intercept : -1.27134E-02
Coefficient 2 : 4.49551E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.028	0.0084		Included
2	0.2400	0.2435	-1.4711	0.570	0.0269		Included
3	0.4800	0.4884	-1.7549	1.115	0.0125		Included
4	2.4000	2.4080	-0.3336	5.385	0.0476		Included
5	6.0000	5.8948	1.7527	13.141	0.1434		Included
6	10.0000	9.8518	1.4822	21.943	0.2060		Included

Correlation Coefficient : 9.9979550E-01
Root Mean Square : 1.3306675E+00
Standard Error of Estimate : 7.2037785E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Se — Channel : 11 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:29 AM Tuesday March 12, 1996

Intercept : 8.55256E-03
Coefficient 2 : 8.15186E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.011	0.0103		Included
2	0.4800	0.5030	-4.7839	0.606	0.0291		Included
3	0.8000	0.7985	0.1916	0.969	0.0403		Included
4	2.4000	2.4731	-3.0443	3.023	0.0240		Included
5	6.0000	5.8369	2.7179	7.150	0.1098		Included
6	10.0000	9.5517	4.4827	11.707	0.1384		Included

Correlation Coefficient : 9.9850419E-01
Root Mean Square : 3.1536144E+00

Least Squares Regression Report — Task Name : RCRA

Analyte : Sn — Channel : 6 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : — 10:30 AM Tuesday March 12, 1996

Intercept : -3.91234E-01

Coefficient 2 : 2.87984E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0020		1.352	0.0250		Included
2	0.4800	0.4889	-1.8575	3.056	0.0355		Included
3	0.9600	0.9620	-0.2085	4.699	0.0674		Included
4	4.8000	4.8292	-0.6082	18.127	0.1117		Included
5	12.0000	11.9264	0.6133	42.772	0.3272		Included
6	20.0000	19.8741	0.6294	70.370	0.7765		Included

Correlation Coefficient : 9.9996579E-01

Root Mean Square : 8.7902030E-01

Standard Error of Estimate : 2.2097509E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Tl — Channel : 7 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : — 10:30 AM Tuesday March 12, 1996

Intercept : -2.57278E-02

Coefficient 2 : 8.58931E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		0.030	0.0121		Included
2	0.2400	0.2408	-0.3184	0.310	0.0195		Included
3	0.4800	0.5230	-8.9566	0.639	0.0112		Included
4	2.4000	2.3514	2.0248	2.768	0.1211		Included
5	6.0000	5.6734	5.4441	6.635	0.2334		Included

Correlation Coefficient : 9.9781553E-01

Root Mean Square : 4.7761749E+00

Standard Error of Estimate : 4.9246204E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : V — Channel : 8 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : — 10:30 AM Tuesday March 12, 1996

Intercept : 5.87823E-03

Coefficient 2 : 1.965968E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.030	0.0051		Included
2	0.0480	0.0490	-2.0467	0.219	0.0116		Included
3	0.2400	0.2435	-1.4447	1.208	0.0145		Included
4	0.4800	0.4760	0.8243	2.391	0.0136		Included
5	2.4000	2.3916	0.3521	12.135	0.0972		Included
6	6.0000	5.9116	1.4726	30.040	0.2444		Included
7	10.0000	9.8639	1.3614	50.143	0.5369		Included

Correlation Coefficient : 9.9985238E-01
Root Mean Square : 1.2593486E+00
Standard Error of Estimate : 3.0979628E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Zn — Channel : 15 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 10:30 AM Tuesday March 12, 1996

Intercept : -3.58645E-03
Coefficient 2 : 5.22414E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0002		0.072	0.0526		Included
2	0.0100	0.0083	17.0153	0.227	0.0256		Included
3	0.0480	0.0488	-1.6366	1.002	0.0041		Included
4	0.2400	0.2506	-4.4143	4.865	0.0429		Included
5	0.4800	0.4974	-3.6160	9.589	0.0180		Included
6	2.4000	2.4409	-1.7034	46.792	0.3640		Included
7	6.0000	5.9519	0.8010	114.000	0.1524		Included

Correlation Coefficient : 9.9992673E-01
Root Mean Square : 6.8483805E+00
Standard Error of Estimate : 3.7576935E-03

ICP Analysis Log 158D-164

DV:030994 00006

LENL-Pensacola, FL

RL # 158D-164

Page 1 of 2

Client: Bailey, ENGLAND

SDG: 03B88124, 03E88072

Analyte(s): ARCFE List

Method Ref: 6010

System ID: ICP-OC1

Program: RCRA

Results File ID: AA88072

Calib. Data: Cal. Stds. Ref: 149F-84

ICV Stds. Ref: 149F-91

PQL Stds. Ref: N/A

ICS Stds. Ref: 149F-86 149F-93

C / M / R Ref: 158D-Pg 34

CRI Stds. Ref: 149F-77

Date 3/13/96 Analyst: CLH (PP)

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std 1		X	X	X	
	3	Cal. Std 2		X	X	X	
	4	Cal. Std 3		X	X	X	
	5	Cal. Std 4		X	X	X	
	6	Cal. Std 5		X	X	X	
	7	Cal Std. 6		X	X	X	
	8	Cal. Std 7		X	X	X	
	9	ICV		X	X	X	
	10	ICB		X	X	X	
	11	ICSAI		X	X	X	
	12	ICSABI		X	X	X	
	13	CRII/PQL		X	X	X	
✓	14	PB (W / S)	332	W	1	1	
✓	15	LCS (W / S)	332	W	1	1	
✓	16	AA88127	6 PB-FBI	W	1	1	
✓	17	PB	333	S	.1	1	
✓	18*	LCS	333	S	.1	1	
	19*	AA88072	01SSRS	S	.0882	1	
	20	AA88072L		S	.0882	5	
	21	CCV		X	X	X	
	22	CCBI		X	X	X	
	23	AA88072MS		S	.0869	1	
	24	AA88072MSD	↓	S	.0886	1	
✓	25	AA88129	A3	S	.111	1	
	26	AA88129	A3	S	.111	10	Omit Cu
	27	AA88072P	01SSRS	S	.0882	1	Sb = 132% Cd = 108%
	28	CRIF		X	X	X	
	29	ICSA		X	X	X	
	30*	ICSAB		X	X	X	

LENL-Pensacola, FL

RL # 1580-164

Client: Fiat

Case: n/a

SDG: Fiat

1580-164 DV:030994

Page 2 of 2

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Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31*	CCV		X	X	X	
32	CCB2		X	X	X	
33						
34						
35						
36						
37						
38						
39						
40						
41						
42*						
43*						
44						
45						
46						
47						
48						
49						
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51						
52						
53						
54*						
55*						
56						
57						
58						
59						
60						

Seq	Comments

1580-164

000069

Least Squares Regression Report
Analyte : Ag Channel : 18
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
9:53 AM Wednesday March 13, 1996

Intercept : 9.53130E-03
Coefficient 2 : 1.70855E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0002		-0.057	0.0143		Included
2	0.0480	0.0517	-7.7759	0.247	0.0218		Included
3	0.0960	0.0986	-2.6972	0.521	0.0191		Included
4	0.4800	0.4437	7.5592	2.541	0.0428		Included
5	1.2000	1.1540	3.8332	6.698	0.0580		Included
6	2.0000	1.9705	1.4763	11.477	0.0994		Included

Correlation Coefficient : 9.9933335E-01
Root Mean Square : 4.8606138E+00
Standard Error of Estimate : 1.1444398E-02

Least Squares Regression Report
Analyte : Al Channel : 12
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
9:54 AM Wednesday March 13, 1996

Intercept : -1.89093E-01
Coefficient 2 : 8.64710E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0019		0.216	0.0128		Included
2	0.4800	0.5048	-5.1744	0.802	0.0025		Included
3	2.4000	2.4156	-0.6512	3.012	0.0059		Included
4	4.8000	4.8517	-1.2849	5.841	0.0150		Included
5	24.0000	22.5562	6.0157	26.304	1.4750		Included
6	50.0000	50.2440	-0.4066	69.888	0.5849		Included
7	100.0000	101.5767	-1.5767	117.688	0.6320		Included

Correlation Coefficient : 9.9974124E-01
Root Mean Square : 3.1096370E+00
Standard Error of Estimate : 2.9584660E-02

Least Squares Regression Report
Analyte : As Channel : 5
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :
9:54 AM Wednesday March 13, 1996

Intercept : 1.20205E-02
Coefficient 2 : 1.07001E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.011	0.0155		Included
2	0.4800	0.5160	-7.4990	0.471	0.0055		Included
3	2.4000	2.2898	4.5915	2.129	0.1021		Included
4	6.0000	5.9468	0.8861	5.546	0.0446		Included
5	10.0000	9.8476	1.5245	9.192	0.1141		Included

Correlation Coefficient : 9.9972057E-01
Root Mean Square : 4.0106462E+00
Standard Error of Estimate : 5.4434645E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Ba — Channel : 2 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:54 AM Wednesday March 13, 1996

Intercept : -1.84184E-03
Coefficient 2 : 5.29411E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.034	0.0120		Included
2	0.0200	0.0320	-60.0038	0.639	0.0098		Included
3	0.0480	0.0445	7.3575	0.875	0.0188		Included
4	0.2400	0.2360	1.6628	4.493	0.0978		Included
5	1.2000	1.1520	4.0014	21.794	0.0421		Included
6	2.4000	2.3437	2.3458	44.305	0.0536		Included
7	12.0000	10.7021	10.8160	202.185	14.0361		Included
8	30.0000	29.0203	3.2658	548.196	5.4554		Included
9	50.0000	48.7729	2.4542	921.302	6.4457		Included

Correlation Coefficient : 9.9917810E-01
Root Mean Square : 2.0581937E+01
Standard Error of Estimate : 7.7723403E-03

Least Squares Regression Report — Task Name : RCRA
Analyte : Be — Channel : 13 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:54 AM Wednesday March 13, 1996

Intercept : -1.47446E-03
Coefficient 2 : 1.74520E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0000		0.086	0.0114		Included
2	0.0020	0.0019	7.2742	0.191	0.0029		Included
3	0.0100	0.0098	2.0918	0.645	0.0067		Included
4	0.0480	0.0504	-5.0307	2.973	0.0069		Included
5	0.0960	0.1003	-4.4669	5.831	0.0086		Included

		0.4532	5.5873	26.052	1.9693		Included
7	1.2000	1.2148	-1.2297	69.690	0.6834		Included

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Correlation Coefficient : 9.9959954E-01
Root Mean Square : 4.3961220E+00
Standard Error of Estimate : 7.8982542E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Ca — Channel : 14 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:55 AM Wednesday March 13, 1996

Intercept : -9.04866E-01
Coefficient 2 : 7.80361E-01

Std	Concentration	Calc. Conc	% Delta Conc	Xpulses	%RSD Xpulses	I.S. Xpulses	Used in Regression
1	0.0000	-0.0190		1.135	0.0099		Included
2	0.1000	0.1244	-24.4302	1.319	0.0034		Included
3	0.2400	0.2349	2.1453	1.460	0.0129		Included
4	1.2000	1.2119	-0.9886	2.712	0.0241		Included
5	6.0000	6.0712	-1.1862	8.939	0.0179		Included
6	12.0000	12.3043	-2.5359	16.927	0.0437		Included
7	60.0000	57.1331	4.7781	74.373	3.3433		Included
8	150.0000	150.6118	-0.4078	194.162	1.1001		Included
9	250.0000	252.2023	-0.8809	324.346	2.6399		Included

Correlation Coefficient : 9.9989291E-01
Root Mean Square : 8.3932762E+00
Standard Error of Estimate : 1.9205905E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Cd — Channel : 20 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:55 AM Wednesday March 13, 1996

Intercept : 3.19177E-03
Coefficient 2 : 1.02953E-01

Std	Concentration	Calc. Conc	% Delta Conc	Xpulses	%RSD Xpulses	I.S. Xpulses	Used in Regression
1	0.0000	-0.0003		-0.034	0.0172		Included
2	0.0100	0.0124	-24.3180	0.090	0.0135		Included
3	0.0480	0.0458	4.4999	0.414	0.0125		Included
4	0.0960	0.0966	-0.6207	0.907	0.0250		Included
5	0.4800	0.4194	12.6293	4.042	0.2157		Included
6	1.2000	1.1083	7.6447	10.734	0.0846		Included
7	2.0000	1.8435	7.8275	17.875	0.0829		Included

Correlation Coefficient : 9.9487684E-01
Root Mean Square : 1.1283436E+01
Standard Error of Estimate : 1.5695257E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Co — Channel : 21 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:55 AM Wednesday March 13, 1996

Intercept : 6.19867E-03

Coefficient 2 : 1.50358E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.041	0.0263		Included
2	0.0480	0.0478	0.4734	0.276	0.0116		Included
3	0.2400	0.2510	-4.5915	1.628	0.0319		Included
4	0.4800	0.4969	-3.5194	3.264	0.0344		Included
5	2.4000	2.2634	5.6926	15.012	0.8124		Included
6	6.0000	5.9700	0.4998	39.664	0.4119		Included
7	10.0000	9.9109	0.8913	65.874	0.4003		Included

Correlation Coefficient : 9.9984414E-01

Root Mean Square : 3.0970514E+00

Standard Error of Estimate : 5.6304318E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Cr — Channel : 30 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:55 AM Wednesday March 13, 1996

Intercept : 7.74494E-03

Coefficient 2 : 2.52879E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0002		-0.031	0.0072		Included
2	0.0480	0.0542	-12.9406	0.184	0.0315		Included
3	0.0960	0.0954	0.6588	0.346	0.0061		Included
4	0.4800	0.4362	9.1149	1.694	0.0782		Included
5	1.2000	1.1638	3.0182	4.571	0.0712		Included
6	2.0000	1.9745	1.2744	7.777	0.1052		Included

Correlation Coefficient : 9.9939650E-01

Root Mean Square : 6.6043825E+00

Standard Error of Estimate : 2.1860997E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Cu — Channel : 16 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:56 AM Wednesday March 13, 1996

Coefficient 2 : 9.75285E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0001		0.102	0.0128		Included
2	0.0480	0.0498	-3.7523	0.613	0.0031		Included
3	0.2400	0.2458	-2.4306	2.623	0.0216		Included
4	0.4800	0.4924	-2.5854	5.152	0.0544		Included
5	2.4000	2.2268	7.2153	22.935	1.5910		Included
6	5.0000	5.9862	0.2297	61.482	0.9200		Included
7	10.0000	10.0824	-0.8244	103.482	0.8744		Included

Correlation Coefficient : 9.9979250E-01
Root Mean Square : 3.3692822E+00
Standard Error of Estimate : 3.9345688E-03

Least Squares Regression Report
Analyte : Fe Channel : 28
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

9:56 AM Wednesday March 13, 1996

Intercept : 1.92004E-03
Coefficient 2 : 3.09241E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.006	0.0078		Included
2	0.0380	0.0454	-19.3905	0.140	0.0068		Included
3	0.0960	0.0923	3.8587	0.292	0.0113		Included
4	0.4800	0.4703	2.0120	1.515	0.0578		Included
5	2.4000	2.4004	-0.0163	7.756	0.0552		Included
6	4.8000	4.8459	-0.9556	15.664	0.1374		Included
7	24.0000	22.1015	7.9104	71.464	3.7981		Included
8	60.0000	58.7216	2.1306	189.883	1.3991		Included
9	100.0000	98.3751	1.6249	318.112	3.4677		Included

Correlation Coefficient : 9.9961043E-01
Root Mean Square : 7.1925481E+00
Standard Error of Estimate : 2.3119397E-02

Least Squares Regression Report
Analyte : Hg Channel : 3
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date :

Task Name : RCRA
Internal Standard :

9:56 AM Wednesday March 13, 1996

Intercept : 1.01661E-02
Coefficient 2 : 6.67229E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.015	0.0110		Included

2	0.2400	0.2424	-0.9841	0.348	0.0228	Included
3	0.4800	0.4956	-3.2448	0.727	0.0355	Included
4	2.4000	2.2842	4.8230	3.408	0.1023	Included
5	6.0000	5.9602	0.6637	8.917	0.0803	Included
6	10.0000	10.1464	-1.4637	15.191	0.1911	Included

Correlation Coefficient : 9.9977403E-01
Root Mean Square : 2.4947019E+00
Standard Error of Estimate : 2.1041408E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : K — Channel : 26 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:56 AM Wednesday March 13, 1996

Intercept : -2.27200E+00
Coefficient 2 : 5.53033E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0004		0.411	0.0057		Included
2	0.6000	0.6245	-4.0847	0.524	0.0017		Included
3	3.0000	2.9390	2.0349	0.942	0.0152		Included
4	6.0000	6.0263	-0.4377	1.500	0.0437		Included
5	30.0000	28.6578	4.4741	5.593	0.3821		Included
6	75.0000	76.4910	-1.9880	14.242	0.4657		Included
7	125.0000	128.2286	-2.5829	23.597	0.6566		Included

Correlation Coefficient : 9.9948345E-01
Root Mean Square : 2.7165824E+00
Standard Error of Estimate : 1.3709336E-01

Least Squares Regression Report — Task Name : RCRA
Analyte : Mg — Channel : 4 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:56 AM Wednesday March 13, 1996

Intercept : -2.31363E+00
Coefficient 2 : 3.78085E+00

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0101		0.609	0.0028		Included
2	0.2400	0.2328	3.0125	0.673	0.0024		Included
3	1.2000	1.2016	-0.1344	0.930	0.0050		Included
4	6.0000	6.1271	-2.1186	2.232	0.0128		Included
5	12.0000	12.4033	-3.3611	3.892	0.0224		Included
6	60.0000	57.1053	4.8245	15.716	0.9154		Included
7	150.0000	151.1625	-0.7750	40.593	0.4557		Included
8	250.0000	251.3862	-0.5545	67.101	0.3810		Included

Correlation Coefficient : 9.9990148E-01

: 2.4764656E+00
Standard Error of Estimate : 9.0873599E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Mn — Channel : 27 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:57 AM Wednesday March 13, 1996

Intercept : 2.97060E-04
Coefficient 2 : 2.54272E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.011	0.0175		Included
2	0.0100	0.0102	-2.4029	0.376	0.0115		Included
3	0.0480	0.0487	-1.4826	1.832	0.0464		Included
4	0.2400	0.2421	-0.8747	9.150	0.1580		Included
5	0.4800	0.4907	-2.2374	18.558	0.2530		Included
6	2.4000	2.2518	6.1761	85.195	4.1436		Included
7	5.0000	5.9735	0.4417	226.025	1.6777		Included

Correlation Coefficient : 9.9952025E-01
Root Mean Square : 2.7276857E+00
Standard Error of Estimate : 8.9303012E-04

Least Squares Regression Report — Task Name : RCRA
Analyte : Mo — Channel : 10 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:57 AM Wednesday March 13, 1996

Intercept : 4.08565E-03
Coefficient 2 : 3.49687E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.012	0.0102		Included
2	0.0480	0.0516	-7.4077	0.136	0.0199		Included
3	0.0960	0.0954	0.5729	0.261	0.0127		Included
4	0.4800	0.4577	4.6422	1.297	0.0546		Included
5	1.2000	1.1771	1.9074	3.355	0.0391		Included
6	2.0000	1.9904	0.4802	5.680	0.0322		Included

Correlation Coefficient : 9.9982652E-01
Root Mean Square : 3.6684529E+00
Standard Error of Estimate : 1.6128724E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Na — Channel : 9 — Internal Standard :
Order : 1st Order
Weighting : Unity

000076

Intercept : -6.08151E-02
Coefficient 2 : 6.15297E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.2961		-0.382	0.0174		Included
2	0.2400	-0.0095	103.9452	0.083	0.0102		Included
3	1.2000	1.0450	12.9139	1.707	0.0536		Included
4	6.0000	6.0421	-0.7023	9.919	0.4052		Included
5	12.0000	12.4333	-3.6109	20.306	0.8593		Included
6	60.0000	58.7214	2.1310	95.535	7.6862		Included
7	150.0000	153.1947	-2.1298	249.076	8.0100		Included
8	250.0000	248.3090	0.6764	403.659	9.8045		Included

Correlation Coefficient : 9.9987456E-01
Root Mean Square : 3.7071632E+01
Standard Error of Estimate : 1.5844998E+00

Least Squares Regression Report
Task Name : RCRA
Analyte : Ni Channel : 22
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:57 AM Wednesday March 13, 1996

Intercept : 1.14969E-02
Coefficient 2 : 1.53070E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0003		-0.077	0.0205		Included
2	0.0480	0.0515	-7.2633	0.261	0.0236		Included
3	0.2400	0.2497	-4.0465	1.556	0.0260		Included
4	0.4800	0.4906	-2.2094	3.130	0.0766		Included
5	2.4000	2.1980	8.4174	14.284	0.8150		Included
6	6.0000	5.7762	3.7304	37.660	0.2983		Included
7	10.0000	9.5555	4.4453	62.350	0.2417		Included

Correlation Coefficient : 9.9838677E-01
Root Mean Square : 5.0503289E+00
Standard Error of Estimate : 1.0321572E-02

Least Squares Regression Report
Task Name : RCRA
Analyte : Pb Channel : 19
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:58 AM Wednesday March 13, 1996

Intercept : 9.20231E-03
Coefficient 2 : 6.24459E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression

	[illegible]	-0.0000		-0.015	0.0103		Included
2	0.1200	0.1204	-0.2967	0.178	0.0074		Included
3	0.6000	0.6198	-3.2945	0.978	0.0240		Included
4	1.2000	1.2430	-3.5814	1.976	0.0130		Included
5	6.0000	5.6946	5.0902	9.104	0.4520		Included
6	15.0000	14.8805	0.7964	23.815	0.2923		Included
7	25.0000	24.7529	0.9484	39.540	0.2446		Included

Correlation Coefficient : 9.9985172E-01
Root Mean Square : 2.7048120E+00
Standard Error of Estimate : 2.0358890E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Sb — Channel : 17 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:58 AM Wednesday March 13, 1996

Intercept : -1.34627E-02
Coefficient 2 : 4.67224E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.029	0.0252		Included
2	0.2400	0.2517	-4.8695	0.567	0.0107		Included
3	0.4800	0.4856	-1.1769	1.068	0.0330		Included
4	2.4000	2.2832	4.8676	4.915	0.2262		Included
5	6.0000	5.9642	0.5967	12.794	0.0739		Included
6	10.0000	10.0371	-0.3711	21.511	0.0990		Included

Correlation Coefficient : 9.9989845E-01
Root Mean Square : 2.8660468E+00
Standard Error of Estimate : 1.6037442E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Se — Channel : 11 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : — 9:58 AM Wednesday March 13, 1996

Intercept : 4.43555E-02
Coefficient 2 : 7.87153E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0005		-0.057	0.0233		Included
2	0.4800	0.5288	-10.1767	0.615	0.0252		Included
3	0.8000	0.8583	-7.2840	1.034	0.0476		Included
4	2.4000	2.2801	4.9972	2.840	0.0542		Included
5	6.0000	5.7103	4.8286	7.198	0.0312		Included
6	10.0000	9.2706	7.2942	11.721	0.0900		Included

Correlation Coefficient : 9.9591794E-01
Root Mean Square : 6.5588997E+00

Standard Error of Estimate : 6.4867570E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : Sn — Channel : 6 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:58 AM Wednesday March 13, 1996

Intercept : -4.12163E-01

Coefficient 2 : 3.04599E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0005		1.351	0.0404		Included
2	0.4800	0.4822	-0.4620	2.936	0.0453		Included
3	0.9600	0.9732	-1.3783	4.548	0.0416		Included
4	4.8000	4.5837	4.5057	16.401	0.7364		Included
5	12.0000	12.1478	-1.2314	41.234	0.4049		Included
6	20.0000	20.4315	-2.1575	68.430	0.2699		Included

Correlation Coefficient : 9.9960700E-01

Root Mean Square : 2.1827296E+00

Standard Error of Estimate : 7.6754737E-03

Least Squares Regression Report — Task Name : RCRA

Analyte : Tl — Channel : 7 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:59 AM Wednesday March 13, 1996

Intercept : -4.64817E-03

Coefficient 2 : 7.17993E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		0.006	0.0115		Included
2	0.2400	0.2697	-12.3558	0.382	0.0324		Included
3	0.4800	0.5132	-6.9190	0.721	0.0192		Included
4	2.4000	2.1942	8.5742	3.063	0.2978		Included
5	6.0000	5.5732	7.1129	7.769	0.3016		Included

Correlation Coefficient : 9.9553433E-01

Root Mean Square : 8.0579009E+00

Standard Error of Estimate : 7.2296334E-02

Least Squares Regression Report — Task Name : RCRA

Analyte : V — Channel : 8 — Internal Standard :

Order : 1st Order

Weighting : Inverse Intensity Squared

Print Date : 9:59 AM Wednesday March 13, 1996

Intercept : 6.24663E-03

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0000		-0.027	0.0145		Included
2	0.0480	0.0488	-1.6877	0.184	0.0115		Included
3	0.2400	0.2378	0.9191	0.998	0.0255		Included
4	0.4800	0.4870	-1.4542	2.073	0.0278		Included
5	2.4000	2.2480	6.3349	9.564	0.5174		Included
6	6.0000	5.0767	-1.2784	26.171	0.2117		Included
7	10.0000	10.2930	-2.9304	44.348	0.4323		Included

Correlation Coefficient : 9.9935820E-01
Root Mean Square : 2.8332161E+00
Standard Error of Estimate : 8.1970853E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Zn Channel : 15
Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 9:59 AM Wednesday March 13, 1996

Intercept : -1.56516E-03
Coefficient 2 : 5.70956E-02

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	0.0001		0.029	0.0072		Included
2	0.0100	0.0075	24.7253	0.159	0.0128		Included
3	0.0480	0.0514	-7.0665	0.927	0.0415		Included
4	0.2400	0.2543	-5.9638	4.481	0.0586		Included
5	0.4800	0.5152	-7.3426	9.051	0.0397		Included
6	2.4000	2.3957	0.1783	41.986	1.3527		Included
7	6.0000	6.2436	-4.0600	109.379	0.6611		Included

Correlation Coefficient : 9.9898631E-01
Root Mean Square : 1.0469492E+01
Standard Error of Estimate : 7.6396550E-03

Least Squares Regression Report
Task Name : RCRA
Analyte : Cd Channel : 20
Internal Standard :
Order : 2nd Order
Weighting : Inverse Intensity Squared
Print Date : 10:00 AM Wednesday March 13, 1996

Intercept : 3.10463E-03
Coefficient 2 : 9.74355E-02
Coefficient 3 : 1.09881E-03

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0002		-0.034	0.0172		Included
2	0.0100	0.0119	-18.5832	0.090	0.0135		Included
3	0.0480	0.0437	9.0503	0.414	0.0125		Included

4	0.0960	0.0924	3.7423	0.907	0.0250	Included
5	0.4800	0.4149	13.5533	4.042	0.2157	Included
6	1.2000	1.1755	2.0375	10.734	0.0846	Included
7	2.0000	2.0958	-4.7908	17.875	0.0829	Included

Correlation Coefficient : 9.9803748E-01
Root Mean Square : 9.6513745E+00
Standard Error of Estimate : 1.4940406E-02

Least Squares Regression Report — Task Name : RCRA
Analyte : Na — Channel : 9 — Internal Standard :
Order : 1st Order
Weighting : Inverse Intensity Squared
Print Date : 10:00 AM Wednesday March 13, 1996

Intercept : 1.92884E-01
Coefficient 2 : 5.80336E-01

Std	Concentration	Calc. Conc	% Delta Conc	Kpulses	%RSD Kpulses	I.S. Kpulses	Used in Regression
1	0.0000	-0.0290		-0.382	0.0174		Included
2	0.2400	0.2413	-0.5472	0.083	0.0102		Included
3	1.2000	1.2359	-2.9916	1.797	0.0536		Included
4	6.0000	5.9491	0.8489	9.919	0.4052		Included
5	12.0000	11.9771	0.1908	20.306	0.8593		Included
6	60.0000	55.6351	7.2748	95.535	7.6862		Included
7	150.0000	144.7405	3.5063	249.076	8.0100		Included
8	250.0000	234.4504	6.2198	403.659	9.8045		Included

Correlation Coefficient : 9.9759482E-01
Root Mean Square : 3.7734035E+00
Standard Error of Estimate : 4.1731510E-02

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Law Environmental
Lab Code: Law-Pensacola
ICP ID Number: ARL3560
ICS Source: IOV E07WG

Contract: GE3913
SDG No.: 01B88124
Run Log No.: 158D-163
Date Analyzed: 3/12/98

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%Rec	Final Found Sol. A	Final Found Sol. AB	%Rec
Arsenic		1000		953	95		930	93
Barium		500		500	100		498	100
Cadmium		1000		861	86		868	87
Chromium		500		437	87		458	91
Lead		1000		982	98		968	97
Selenium		1000		1158	116		1060	106
Silver		1000		960	96		972	97

BLANK

Lab Name: Law Environmental

Contract: GE3913

Lab Code: Law-P

SDG No: 01B88124

Preparation Blank Matrix (soil/water): Water

Run Log: 158D-163

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte		Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	4	C	Prepa-ration Blank	C
Arsenic	As	50	U	50	U	50	U	50	U			50	U
Barium	Ba	20	U	20	U	20	U	20	U			20	U
Cadmium	Cd	10	U	10	U	10	U	10	U			10	U
Chromium	Cr	50	U	50	U	50	U	50	U			50	U
Lead	Pb	120	U	120	U	120	U	120	U			120	U
Selenium	Se	500	U	500	U	500	U	500	U			500	U
Silver	Ag	50	U	50	U	50	U	50	U			50	U

U = compound analyzed for but not found above reporting limit

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Law Environmental

Contract GE3913

Lab Code: Law-P

SDG No 01B88124

Initial Calibration Source:

Run Log 158D-163

Continuing Calibration Source:

Concentration Units: ug/L

Analyte		Initial Calibration			Continuing Calibration									
		True	Found	%R(1)	True	Found	%R	Found	%R	Found	%R	Found	%R(1)	M
Barium	Ba	25000	23479	94	25000	23143	93	23910	96	24304	97			P
Arsenic	As	5000	5115	102	5000	5055	101	5183	104	5254	105			P
Cadmium	Cd	1000	939	94	1000	930	93	959	96	972	97			P
Chromium	Cr	1000	961	96	1000	971	97	993	99	1021	102			P
Lead	Pb	12500	12554	100	12500	12433	99	12688	102	12742	102			P
Selenium	Se	5000	4929	99	5000	4900	98	5002	100	5117	102			P
Silver	Ag	1000	958	96	1000	957	96	979	98	987	99			P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Law Environmental
Lab Code: Law-Pensacola
ICP ID Number: ARL3560
ICS Source: IOV E07WG

Contract: GE3913
SDG No.: 01B88124
Run Log No.: 158D-164
Date Analyzed: 03/13/96

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%Rec	Final Found Sol. A	Final Found Sol. AB	%Rec
Aluminum	500000	500000		488494	98		490811	98
Barium		500		509	102		515	103
Beryllium		500		483	97		492	98
Cadmium		1000		878	88		887	89
Calcium	500000	500000		487891	98		494262	99
Chromium		500		472	94		493	99
Cobalt		500		480	96		486	97
Copper		500		502	100		498	100
Iron	200000	200000		191206	96		194519	97
Magnesium	500000	500000		490241	98		492450	98
Manganese		500		577	115		590	118
Nickel		1000		902	90		904	90
Silver		1000		988	99		997	100
Vanadium		500		487	97		499	100
Zinc		1000		1014	101		1036	104

BLANK

Lab Name: Law Environmental

Contract: GE3913

Lab Code: Law-P

SDG No: 01B88124

Preparation Blank Matrix (soil/water): Water

Runlog No.: 158D-164

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte		Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	4	C	Prepa-ration Blank	C
Aluminum	Al	500	U	500	U	500	U					500	U
Antimony	Sb	250	U	250	U	250	U					250	U
Barium	Ba	20	U	20	U	20	U					20	U
Beryllium	Be	3	U	3	U	3	U					3	U
Cadmium	Cd	10	U	10	U	10	U					10	U
Calcium	Ca	100	U	100	U	100	U					100	U
Chromium	Cr	50	U	50	U	50	U					50	U
Cobalt	Co	50	U	50	U	50	U					50	U
Copper	Cu	50	U	50	U	50	U					50	U
Iron	Fe	50	U	50	U	50	U					50	U
Magnesium	Mg	250	U	250	U	250	U					250	U
Manganese	Mn	10	U	10	U	10	U					10	U
Nickel	Ni	50	U	50	U	50	U					50	U
Potassium	K	600	U	600	U	600	U					600	U
Silver	Ag	50	U	50	U	50	U					50	U
Sodium	Na	250	U	250	U	250	U					250	U
Vanadium	V	50	U	50	U	50	U					50	U
Zinc	Zn	10	U	10	U	10	U					10	U

U = compound analyzed for but not found above reporting limit

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Law Environmental

Contract: GE3913

Lab Code: Law-P

SDG No: 01B88124

Initial Calibration Source:

RunLog No.: 158D-164

Continuing Calibration Source:

Concentration Units: ug/L

Analyte		Initial Calibration			Continuing Calibration									M
		True	Found	%R(1)	True	Found	%R(1)	Found	%R(2)	Found	%R(3)	Found	%R(4)	
Aluminum	Al	50000	50313	101	50000	50663	101	50553	101					P
Antimony	Sb	5000	5201	104	5000	5254	105	5265	95					P
Barium	Ba	25000	24303	97	25000	24519	98	24311	103					P
Beryllium	Be	625	635	102	625	643	103	639	98					P
Cadmium	Cd	1000	951	95	1000	965	97	958	104					P
Calcium	Ca	125000	125065	100	125000	126916	102	126440	99					P
Chromium	Cr	1000	975	98	1000	1019	102	1010	99					P
Cobalt	Co	5000	4978	100	5000	5043	101	5014	100					P
Copper	Cu	5000	4942	99	5000	4975	100	4961	101					P
Iron	Fe	50000	50194	100	50000	50934	102	50785	98					P
Magnesium	Mg	125000	125805	101	125000	126316	101	126078	99					P
Manganese	Mn	3750	3721	99	3750	3779	101	3768	100					P
Nickel	Ni	5000	4838	97	5000	4913	98	4889	102					P
Potassium	K	62500	62613	100	62500	62494	100	63359	99					P
Silver	Ag	1000	977	98	1000	991	99	989	101					P
Sodium	Na	125000	119060	95	125000	118584	95	118238	106					P
Vanadium	V	5000	5125	103	5000	5197	104	5158	97					P
Zinc	Zn	3750	3922	105	3750	3999	107	4020	93					P

SDG No: 01B88124

Method No.: 7000

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 PitB 2 3

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWLB32	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB.TLWB FWB0335	AA85970			
20 PB.TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-9
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	HQSB0541	AA85972			
22	HQSL0541	AA85973			
23	HQWB0539	AA85974			
24	HQWL0539	AA85975			
25	HQWB0540	AA85976			
26	HQWL0540	AA85977			
27	VSB0789	AA85978			
28	VSL0789	AA85979			
29	SSB8018	AA85980			
30	SSL8018	AA85981			
31	VWB0790	AA85990			
32	VWL0790	AA85991			
33	SWB8017	AA85993			
34	SWL8017	AA85994			
35	2HESB8015	AA85995			
36	CNSB0356	AA86004			
37	CNSL0356	AA86005			
38	VWB0791	AA86011			
39	VWL0791	AA86012			
40	846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICAWB0332T	AA86021			
42	ICPWLB0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846TSL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
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KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
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8260 - TCLP		
A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X
8270 - Total		
A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume
8270 - TCLP		
A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
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well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000094

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7060 As Furn Digest W	SW7060		Done	03/11/96	09:00	JE
610-7060 Arsenic Water ug/L	SW7060	5.00	Not Det	03/12/96	21:11	MC
610-3020 Pb Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7421 Lead Water ug/L	SW7421	5.00	1.03 J	03/13/96	00:32	MC
610-7740 Se Furn Dig W	SW7740		Done	03/11/96	09:00	JE
610-7740 Selenium Water ug/L	SW7740	5.00	Not Det	03/12/96	17:09	MC
610-3020 Tl Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7841 Thallium Water ug/L	SW7841	2.00	Not Det	03/13/96	03:37	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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03/19/96

Page 1

Station ID: A3

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/11/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/13/96	20:19	MC
Arsenic	SW7060	0.493	1.19	03/13/96	20:19	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/14/96	00:40	MC
Lead	SW7421	2.46	24.1	03/14/96	00:40	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/13/96	12:11	MC
Selenium	SW7740	0.493	Not Det	03/13/96	12:11	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	17:10	MC
Thallium	SW7841	0.197	Not Det	03/13/96	17:10	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: FSB0336

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85966

Collector:

Date Sampled: 03/11/96

Time Sampled: 10:00

Log In Date: 03/11/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/11/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/12/96	21:21	MC
Arsenic	SW7060	0.500	Not Det	03/12/96	21:21	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/12/96	00:53	MC
Lead	SW7421	0.500	Not Det	03/12/96	00:53	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/12/96	17:20	MC
Selenium	SW7740	0.500	Not Det	03/12/96	17:20	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	03:57	MC
Thallium	SW7841	0.200	Not Det	03/13/96	03:57	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: AS_SEWB0334

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85968

Collector:

Date Sampled: 03/11/96

Time Sampled: 09:00

Log In Date: 03/11/96

Log In Time: 09:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7060 As Furn Digest W	SW7060		Done	03/11/96	09:00	JE
610-7060 Arsenic Water ug/L	SW7060	5.00	Not Det	03/12/96	20:52	MC
610-7740 Se Furn Dig W	SW7740		Done	03/11/96	09:00	JE
610-7740 Selenium Water ug/L	SW7740	5.00	Not Det	03/12/96	16:49	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: PB_TLWB0335

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85970

Collector:

Date Sampled: 03/11/96

Time Sampled: 09:00

Log In Date: 03/11/96

Log In Time: 09:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3020 Pb Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7421 Lead Water ug/L	SW7421	5.00	Not Det	03/13/96	00:00	MC
610-3020 Tl Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7841 Thallium Water ug/L	SW7841	2.00	Not Det	03/13/96	03:07	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : FSB0336

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
FSB0336	AA85966	3/11/96	SQ	LB
FSL0336	AA85967	3/11/96	SQ	BS
A3	AA88129	3/7/96	SO	N

LCS : SW7060
initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0336
LIMS Sample ID : AA85967
Date of Extraction : 3/11/96
Time of Extraction : 10:00
Date of Analysis : 3/12/96
Time of Analysis : 21:40

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Arsenic	5	4.52	90		80	120	PR

LCS : SW7421
initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0336
LIMS Sample ID : AA85967
Date of Extraction : 3/11/96
Time of Extraction : 10:00
Date of Analysis : 3/12/96
Time of Analysis : 01:04

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Lead	5	4.48	90		80	120	PR

LCS : SW7740
initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0336
LIMS Sample ID : AA85967
Date of Extraction : 3/11/96
Time of Extraction : 10:00
Date of Analysis : 3/12/96
Time of Analysis : 17:39

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Selenium	5	4.97	99		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW7841
Initial
Extraction Method : SW3050
Matrix : SQ
Units : mg/Kg

Sample Name : FSL0336
LIMS Sample ID : AA85967
Date of Extraction : 3/11/96
Time of Extraction : 10:00
Date of Analysis : 3/13/96
Time of Analysis : 04:02

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Thallium	5	4.69	94		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : AS_SEWB0334

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
AS_SEWB0334	AA85968	3/11/96	WQ	LB
AS_SEWL0334	AA85969	3/11/96	WQ	BS
G-PB-FB1	AA88127	3/6/96	WQ	EB

LCS : SW7060
initial
Extraction Method : METHOD
Matrix : WQ
Units : ug/L

Sample Name : AS_SEWL0334
LIMS Sample ID : AA85969
Date of Extraction : 3/11/96
Time of Extraction : 09:00
Date of Analysis : 3/12/96
Time of Analysis : 21:02

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7060 Arsenic Water ug/L	50	46.3	93		80	120	PR

LCS : SW7740
initial
Extraction Method : METHOD
Matrix : WQ
Units : ug/L

Sample Name : AS_SEWL0334
LIMS Sample ID : AA85969
Date of Extraction : 3/11/96
Time of Extraction : 09:00
Date of Analysis : 3/12/96
Time of Analysis : 16:59

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7740 Selenium Water ug/L	50	49.9	100		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : PB_TLWB0335

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
PB_TLWB0335	AA85970	3/11/96	WQ	LB
PB_TLWL0335	AA85971	3/11/96	WQ	BS
G-PB-FB1	AA88127	3/6/96	WQ	EB

LCS : SW7421
Initial
Extraction Method : SW3020
Matrix : WQ
Units : ug/L

Sample Name : PB_TLWL0335
LIMS Sample ID : AA85971
Date of Extraction : 3/11/96
Time of Extraction : 09:00
Date of Analysis : 3/13/96
Time of Analysis : 00:10

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7421 Lead Water ug/L	50	45.8	92		80	120	PR

LCS : SW7841
Initial
Extraction Method : SW3020
Matrix : WQ
Units : ug/L

Sample Name : PB_TLWL0335
LIMS Sample ID : AA85971
Date of Extraction : 3/11/96
Time of Extraction : 09:00
Date of Analysis : 3/13/96
Time of Analysis : 03:17

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7841 Thallium Water ug/L	50	48.8	98		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: FSL0336

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85967

Collector:

Date Sampled: 03/11/96

Time Sampled: 10:00

Log In Date: 03/11/96

Log In Time: 10:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3050 Furnace Digest S	SW3050		Done	03/11/96	10:00	JE
610-7060 Arsenic Soil mg/Kg	SW7060		_TITLE_	03/12/96	21:40	MC
Arsenic	SW7060	0.500	4.52	03/12/96	21:40	MC
610-7421 Lead Soil mg/Kg	SW7421		_TITLE_	03/12/96	01:04	MC
Lead	SW7421	0.500	4.48	03/12/96	01:04	MC
610-7740 Selenium Soil mg/Kg	SW7740		_TITLE_	03/12/96	17:39	MC
Selenium	SW7740	0.500	4.97	03/12/96	17:39	MC
610-7841 Thallium Soil mg/Kg	SW7841		_TITLE_	03/13/96	04:02	MC
Thallium	SW7841	0.200	4.69	03/13/96	04:02	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: AS_SEWL0334

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85969

Collector:

Date Sampled: 03/11/96

Time Sampled: 09:00

Log In Date: 03/11/96

Log In Time: 09:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7060 As Furn Digest W	SW7060		Done	03/11/96	09:00	JE
610-7060 Arsenic Water ug/L	SW7060	5.00	46.3	03/12/96	21:02	MC
610-7740 Se Furn Dig W	SW7740		Done	03/11/96	09:00	JE
610-7740 Selenium Water ug/L	SW7740	5.00	49.9	03/12/96	16:59	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: PB_TLWL0335

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85971

Collector:

Date Sampled: 03/11/96

Time Sampled: 09:00

Log In Date: 03/11/96

Log In Time: 09:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-3020 Pb Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7421 Lead Water ug/L	SW7421	5.00	45.8	03/13/96	00:10	MC
610-3020 Tl Furn Digest W	SW3020		Done	03/11/96	09:00	JE
610-7841 Thallium Water ug/L	SW7841	2.00	48.8	03/13/96	03:17	MC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

DV:09/08/95

Client: Bailey Site - Pit B

Case:

Form Initiated 03/08/96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
04	S	CM	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	8050A	SR	3-11-96	0800	SR	3-11-96	[illegible]	Y-S
04	S	JRC	9010	SR	3/13/96	0800	SR	3/13/96	1700	Y-S
04	S	KLO	8240	SR	3/19/96	12:00	GCMS	3/19/96	12:05	N-S
01-07	S	SR	(1)	SR	3/11/96	0900	SR	3/11/96	1700	S-Y

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

(1) Ignitibility, Paint Filter, Ph + Moisture, ZHE, TCLP

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM Metals
LEESNL-PENSACOLA, FL

Page 1 of 9 00010

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3/11/96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	D	[illegible]	[illegible]	[illegible]	3-12-96	[illegible]	[illegible]	[illegible]	[illegible]	Y/D
				[illegible]	3-13-96	[illegible]	[illegible]	[illegible]	[illegible]	Y/D

Matrix: Soil

SAMPLES CONSTITUTING THIS BATCH

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3 / 8 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Custody From:

Custody To:

Y=Yes/N=No

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01-02	S	[illegible]	8240	SR	3/8/96	12:00	GC/MS	3/8/96	12:00	
01	S	[illegible]	7470A	SR	3-12-96	0800	SR	3-8-96	1700	Y-S
01	S	[illegible]	[illegible]	SR	3-11-96	0800	SR	3-11-96	1700	[illegible]
01	S	SR	8270	SR	3/10/96	0800	Consumed			

SAMPLES CONSTITUTING THIS BATCH

Matrix: Water

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

[illegible] 7470 7.6.0 [illegible]

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM Waters
LEESNL-PENSACOLA, FL

000109

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3 / 11 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3-12-96	10:00	[illegible]	[illegible]	[illegible]	[illegible]

Matrix: Waters

SAMPLES CONSTITUTING THIS BATCH

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 52D-336

DV:030994
Page 1 of 1

Client: England Bailey
Case: 11254-5-3262, 6E-3913
SDG: CSE88072, 61BR5-34
Method Ref.: 3050A
Fraction: FLR
QC: nA
Date 3/11/96
Tech: TDE
Balance:Syst.ID: BAL 003
CMR Ref.: 721-002
LCS Ref.: 444-65
Reagents Ref.: 53B-668, 53B-669B, 53B-649E
MSS Ref.: 444-65

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments SCF
1	PrepBlank						0.1		Co	Co	C	C			AA85966
2	LCS						0.1		Co	Co	C	C			AA85967
3	AA88072	CP-01SSRS	nA	LS	Y	1.34	0.1		R	R	Cd	O	M	L	C.0888
4	AA88072MS	CP-01SSRS	nA	LS	Y	1.37	0.1		R	R	Cd	O	M	V	C.0869
5	AA88072MSD	CP-01SSRS	nA	LS	Y	1.41	0.1		R	R	Cd	O	M	V	C.0844
6	AA88129	A3	nA	LS	Y	1.47	0.1		Bk	Y	O	Cd	M	nA	C.0986
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

V = Vegetations

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 52D-334

DV:030994
Page 1 of 1

Client: Bailey - Case: EE-3913 SDG: 01B85124
Method Ref.: 07647/7740 Fraction: FUR QC: NA Date 5/11/96 Tech: JDS
Balance:Syst.ID: BAL-002 CMR Ref.: 726-082 LCS Ref.: 44H.05
Reagents Ref.: 53B-668, 53B-669B MSS Ref.: NA

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments
1	PrepBlank					0.1	0.1	1.0	Co	Co	C	C			AA85968
2	LCS					↓	↓	↓	Co	Co	C	C			AA85969
✓3	AA88127	6-PB-FB1	Y	LW	Y	↓	↓	↓	Co	Co	C	C			
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

Metals Digestion Bench Sheet

LENL-Pensacola, FL
RL # 520-335

DV:030994
Page 1 of 1

Client: England Bailey
Case: 11254-5-3260 GE-3913
SDG: 02E88072, 01E88, 20
Method Ref.: 3020A
Fraction: FUR
QC: NA
Date 3/11/96
Tech: JDE
Balance:Syst.ID: BAL-002
CMR Ref.: 720-082
LCS Ref.: 44H-65
Reagents Ref.: 53B-649E
MSS Ref.: NA

Seq.	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol:L Wgt:g	QS Vol L	SCF	Color B	Color A	Clarity B	Clarity A	Tex	Art	Comments
1	PrepBlank					0.1	0.1	1.0	Co	Co	C	C			AA85970
2	LCS					↓	↓	↓	Co	Co	C	C			AA85971
3	AA88177		Y	LW	Y	↓	↓	↓	Co	Co	C	C			
✓4	AA88127		Y	LW	Y	↓	↓	↓	Co	Co	C	C			
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

KEYS

MATRIX
LW = Low Water
MW = Med Water
LS = Low Soil
MS = Med Soil

COLOR
Co = Colorless
R = Red, Or = Orange
Bl = Blue, W = White
Y = Yello, Br = Brown
Gr = Gree, Gy = Grey
Bk = Black

CLARITY
C = Clear
Cd = Cloudy
O = Opaque

TEXTURE
F = Fine
M = Medium
Cr = Coarse

LENL-Pensacola, FL

RL # 24D - 261

RL 24D-261 DV:030994

Page 1 of 2

C0011

Client: Bailey

Analyte(s): As

SDG # 02B88173, 01B88124

System ID: GF-001

Program: AS

Method Ref: 7060

Calibration Data

Results File ID: TAP88173

C / M / R Ref: 24D -

Cal. Stds. Ref: 1660-69

ICV Stds. Ref: 1660-68

"A" Spike Ref: 1660-82

MSA Stds. Ref: N/A

Date 3 / 13 / 96

Analyst:

3-14-96

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 4		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	omit re-shot on RL #262
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	AA88173	B1	S	0.134	1	SR=2.31954
14	AA88173A	↓	S	0.134	1	
15	AA88173L		S	0.134	5	
16	AA88173LA		S	0.134	5	
17	~~BLANK~~		X	X	X	
18	CCV		X	X	X	
19	CCB		X	X	X	
20	AA88173MS	B1	S	0.130	1	SA=6.60 SSR=8.35164 %R=91%
21	~~AA88173MSD~~	↓	S	~~0.138~~	1	OMIT RSD > 20
22	AA88173MSD	↓	S	0.138	1	SA=6.90 SSR=8.37384 %R=88%
23	AA88176	D2	S	0.261	1	
24	AA88176A	↓	S	0.261	1	
25	AA88178	C2	S	0.128	1	
26	AA88178A	↓	S	0.128	1	
27	AA88180	F2	S	0.195	1	
28	AA88180A	↓	S	0.195	1	
29	~~BLANK~~		X	X	X	
30	CCV		X	X	X	

LENL-Pensacola, FL

RL # 240-261

Client: Bailey

SDG: 02B88173, 01B88124

RL 240-261 DV:030994 C0011

Page 2 of 2

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	CCB		X	X	X	
32	AA88185	E1	S	0.263	1	
33	AA88185A	↓	S	0.263	1	
34	~~AA88129~~	~~A3~~	~~S~~	~~0.0986~~	~~1~~	OMIT RSD > 20
✓ 35	AA88129	↓	S	0.0986	1	
36	AA88129A	↓	S	0.0986	1	
37	~~BLANK~~		~~X~~	~~X~~	~~X~~	
38	CCV		X	X	X	
39	CCB		X	X	X	
40						
41						
42						
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Seq	Comments

CLIENT-Pensacola, FL

RL # 240-261

Client: Bailey, England

Analyte(s): Pb

System ID: GF-001 Program: Pb

Calibration Data

C/M/R Ref: 240-261

Cal. Stds. Ref: 1660-69

"A" Spike Ref: 1660-82

Date 3/13/96 Analyst: [signature] 3-14-96

RL 240-261 DV:030994 000115

Page 1 of 2

SDG # 02B88173, 01B88124, 03E88072

Method Ref: 7421

Results File ID: TAP88173

ICV Stds. Ref: 1660-68

MSA Stds. Ref: N/A

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S3		X	X	X	
3	Cal. Std S45		X	X	X	
4	Cal. Std S90		X	X	X	
5	Cal. Std S150		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	~~LCS343~~		~~S~~	~~0.100~~	~~1~~	Not in sequence
14	~~LCS343A~~		~~S~~		~~1~~	
15	AA88173	B1	S	0.134	1	
16	AA88173	↓	S	↓	5	
17	AA88173A	↓	S	↓	5	
18	AA88173L	↓	S	↓	5	SR=90.1552
19	AA88173LA	↓	S	↓	5	
20	Blank		X	X	X	Omit
21	CCV		X	X	X	
22	CCB		X	X	X	
23	AA88173MS	B1	S	0.132	1	Omit
24	AA88173MS	↓	S	↓	1	
25	AA88173MS	↓	S	↓	5	SA=6.6 SSR=89.8062 R=NR
26	AA88173MSD	↓	S	0.138	1	
27	AA88173MSD	↓	S	↓	5	SA=6.9 SSR=68.5584 R=NR
28	AA88176	D2	S	0.261	1	
29	AA88176	↓	S	↓	5	
30	AA88176A	↓	S	↓	5	

RL # 24D-261
Client: Bailey, England
SDG: 02B88173, 01B88124, 03E88072

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	Blank		X	X	X	Omit
32	CCV		X	X	X	
33	CCB		X	X	X	
34	AA88178	C2	S	0.128	1	
35	AA88178A	↓	S	↓	1	
36	AA88180	F2	S	0.195	1	
37	AA88180	↓	S	↓	5	
38	AA88180A	↓	S	↓	5	
39	AA88185	E1	S	0.263	1	
40	AA88185	↓	S	↓	5	
41	AA88185A	↓	S	↓	5	
42	Blank		X	X	X	
43	CCV		X	X	X	
44	CCB		X	X	X	
✓ 45	AA88129	A3	S	0.0986	1	
46	AA88129	↓	S	↓	5	
47	AA88129A	↓	S	↓	5	
48	AA88072AS	I0329L001CP 1035RS	S	0.0869	5	England SA=4.345 SSR=15602 395 R=15 RPD=25;
49	Blank		X	X	X	Omit
50	CCV		X	X	X	
51	CCB		X	X	X	
52						
53						
54						
55						
56						
57						
58						
59						
60						

Seq	Comments

RL # 24D-261
Client: Bailey
SDG: 02B88173, 01B88124

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	AA88185	E1	S	0.263	1	
32	AA88185A	↓	S	0.263	1	
✓ 33	AA88129	A3	S	0.0986	1	
34	AA88129A	↓	S	0.0986	1	
35	~~BLANK~~		X	X	X	
36	CCV		X	X	X	
37	CCB		X	X	X	
38						
39						
40						
41						
42						
43						
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Seq	Comments

RL 24D-261

24D-261 000119

Report Of Analytical Results
March 14, 1996

Data File: TAPB8173.DAT
Data Collected: 03/13/96

At: 14:26:38

By: JAN MACAULEY

	Tl ug/L	As ug/L	As ug/L	Pb ug/L	Pb ug/L
Standard 1	2.00	----	4.00	----	3.00
Standard 2	30.00	----	30.00	----	45.00
Standard 3	60.00	----	60.00	----	90.00
Standard 4	100.00	----	100.00	----	150.00
BLANK	----	----	----	----	----
Blank	----	----	----	----	----
ICV	0.00%R	Time	0.00%R	Time	0.00%R
ICB	52.20104%	1453	53.40107%	1754	75.18100%
PQL	0.01	1457	-0.09	1759	0.05
PB343	2.01100%	1502	3.9599%	1803	3.09103%
LCS343	0.28110%	1512	~~0.25120%~~ will reshot	1813	0.75115%
AA88173	53.55107%	1517	53.71107%	1818	52.84106%
AA88173L	2.01187%	1532	17.31997%	1832	506.76-over-ca
~~BLANK~~	0.49110%	1542	4.64104%	1842	134.5892%
CCV	~~0.31~~	1547	~~0.03~~	1847	~~0.17~~
CCB	52.17104%	1552	51.55103%	1852	76.65102%
AA88173MS	0.14	1556	-0.09	1856	0.08
AA88173MSD	51.27987% RPD=18%	1601	63.2791%	1901	~~441.42~~-RSD>20
AA88176	60.41117%	1606	~~52.30~~ RSD>20	1906	399.57-over-c
AA88178	1.35103%	1616	20.42105%	1921	----
AA88180	0.89121%	1626	9.4791%	1931	----
~~BLANK~~	1.2095%	1636	105.67-over-cal	1940	----
CCV	~~-0.06~~	1641	~~0.23~~	1945	----
CCB	53.26106%	1646	53.08106%	1950	----
AA88185	0.41	1651	-0.11	1954	----
✓AA88129	1.32111%	1701	26.7197%	2004	----
~~BLANK~~	0.65124%	1710	~~9.88~~ RSD>20	2009	----
CCV	~~0.20~~	1715	~~0.13~~	2023	----
CCB	52.88106%	1720	52.08104%	2038	----
AA88173MSD5X	0.17	1725	0.08	2022	----
AA88129	----	----	60.68~~0~~% RPD=3%	1911	----
AA88173 5X	----	----	12.0694%	2019	496.8
AA88173MS	----	----	----	----	228.34-over-ca
AA88173MS5X	----	----	----	----	588.2121%
AA88176	----	----	----	----	~~445.82~~ RSD>20
AA88176 5X	----	----	----	----	680.4
~~BLANK~~	----	----	----	----	367.16-over-ca
CCV	----	----	----	----	815.4-over-a
CCB	----	----	----	----	~~-0.01~~
AA88178	----	----	----	----	76.01104%
AA88180	----	----	----	----	-0.09
AA88180 5X	----	----	----	----	166.91-over-cal
AA88185	----	----	----	----	686.16-over-cal
AA88185 5X	----	----	----	----	2029.0-over-cal
~~BLANK~~	----	----	----	----	388.04-over-cal
CCV	----	----	----	----	822.3-over-ca
CCB	----	----	----	----	~~0.03~~
✓AA88129 5X	----	----	----	----	78.25104%
AA88072MS 5X	----	----	----	----	-0.03
~~BLANK~~	----	----	----	----	244.3111%
CCV	----	----	----	----	35.91
CCB	----	----	----	----	~~-0.08~~
					79.14106%
					-0.19

3-14-96

RL 24D-259

LENL-Pensacola, FL

DV:030994

000120

RL # 24D-259

Page 1 of 2

Client: England ~~England~~ Bailey SDG # 01B88124, 03E88072

Analyte(s): As Method Ref: 7060

System ID: GF-001 Program: As Results File ID: ST88127A

Calibration Data

C / M / R Ref: 24D-259 ICV Stds. Ref: 166D-72

Cal. Stds. Ref: 166D-71 MSA Stds. Ref: NA

"A" Spike Ref: 166D-82

Date 3/12/96 Analyst: [illegible] (QP) 3-13-96

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 10		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	P.B.334		W	1	1	omit 3-13-96 mec
10	P.B.334 A		W	1	1	
11	LCS 334		W	1	1	
12	LCS 334A		W	1	1	
13	~~AA~~88127	E-PB-FB1	W	1	1	
14	~~AA~~88127 A	↓	W	1	1	
15	P.B.336		S	0.1	1	
16	P.B.336 A		S	0.1	1	
17	CCV					
18	CCB					
19	~~ICS 2 Blank~~					
20	~~ICS 2 Std 1A~~					
21	Std_2					cc = 1.000
22	Std_3					
23	Std_4					
24	ICV					
25	ICB					
26	PQL					
✓ 27	P.B.334		W	1	1	
28	P.B.334 A		W	1	1	
✓ 29	LCS 334		W	1	1	
30	LCS 334A		W	1	1	

RL 94D-259
DV:030994
00012

LENL-Pensacola, FL
RL # 94D-259
Client: England, Bailey
SDG: 01B 88124, 03E 88072

Page 2 of 2

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
✓ 31	AA88127	G-PB-FB1	W	1	1	
32	AA88127A	↓	W	1	1	
✓ 33	P.B.336		S	0.1	1	
34	P.B.336A		S	0.1	1	
35	CCV					
36	CCB					
✓ 37	LCS336		S	0.1	1	
38	LCS336A		S	0.1	1	
39	AA88072	10329L001CP	S	.0888	1	
40	AA88072A		S		1	
41	AA88072L		S		5	
42	AA88072LA		S	↓	5	
43	AA88072MS		S	.0869	1	
44	AA88072MS	↓	S	↓	5	
45	CCV					
46	CCB					
47	AA88072MSD	10329L001CP	S	.0844	1	
48	AA88072MSD	↓	S	↓	5	
49	AA88129	A2	S	.0986	25	
50	AA88129A	↓	S	↓	25	
51	NY.4338-43		S		25	
52	N.Y.4338-43A		S		25	
53	N.Y.4338-43D		S		25	
54	CCV					
55	CCB					
56						
57						
58						
59						
60						

Seq	Comments

RL # 24D-259 Page 1 of 2 00012

Client: England ~~Englund~~ Bailey SDG # 01B88124, 03E88072

Analyte(s): Se Method Ref: 7740

System ID: GF-001 Program: Se Results File ID: ST88127A

Calibration Data

C / M / R Ref: 24D-259 ICV Stds. Ref: 166D-72

Cal. Stds. Ref: 166D-71 MSA Stds. Ref: NA

"A" Spike Ref: 166D-82

Date 3/12/96 Analyst: [illegible] (PP) 3-13-96

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 40		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
✓ 9	P.B.334		W	1	1	
10	P.B.334 A		W	1	1	
✓ 11	LCS 334		W	1	1	
12	LCS 334A		W	1	1	
✓ 13	AA88127	G-PB-FB1	W	1	1	
14	AA88127 A	↓	W	1	1	
✓ 15	P.B.336		S	0.1	1	
16	P.B.336 A		S	0.1	1	
17	CCV					
18	CCB					
✓ 19	LCS 336		S	0.1	1	
20	LCS 336 A		S	0.1	1	
21	AA88072	10329L001EP	S	.0888	1	
22	AA88072 A	↓	S	↓	1	
23	AA88072 L	↓	S	↓	5	
24	AA88072 LA	↓	S	↓	5	
25	AA88072 MS	↓	S	.0869	1	
26	AA88072 MSD	↓	S	.0844	1	
27	CCV					
28	CCB					
29	AA88129	A3	S	.0986	25	
30	AA88129 A	↓	S	↓	25	

RL 94D-259
DV:030994

LENL-Pensacola, FL

RL # 94D-259

Page 2 of 2000129

Client: England, ~~Ex~~ Bailey

SDG: 01R 881724, 0&E 88072

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	CCV					
32	CCB					
33						
34						
35						
36						
37						
38						
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40						
41						
42						
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Seq	Comments

GF Analysis Log

RL 24D-259
DV:030994
000124

LENL-Pensacola, FL

RL # 24D-259 Page 1 of 2

Client: England, Bailey SDG # 01B88124, 03E88072

Analyte(s): Pb Method Ref: 7421

System ID: GF-001 Program: Pb Results File ID: ST88127A

Calibration Data

C/M/R Ref: 24D-259 ICV Stds. Ref: 166D-72

Cal. Stds. Ref: 166D-71 MSA Stds. Ref: NA

"A" Spike Ref: 166D-82

Date 3/12/96 Analyst: [illegible] (PP) 3-13-96

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank S0		X	X	X	
	2	Cal. Std S3.0		X	X	X	
	3	Cal. Std S45		X	X	X	
	4	Cal. Std S90		X	X	X	
	5	Cal. Std S150		X	X	X	
	6	ICV		X	X	X	
	7	ICB		X	X	X	
	8	CRA/PWL		X	X	X	
✓	9	P.B.335		W	1	1	
	10	P.B.335 A		W	1	1	
✓	11	LCS 335		W	1	1	
	12	LCS 335 A		W	1	1	
	13	AA88077	0306103 99	W	1	1	
	14	AA88077 A	↓	W	1	1	
✓	15	AA88127	G-PB-FB1	W	1	1	
	16	AA88127 A	↓	W	1	1	
	17	CCV					
	18	CCB					
✓	19	P.B.336		S	0.1	1	
	20	P.B.336 A		S	0.1	1	
✓	21	LCS 336		S	0.1	1	
	22	LCS 336 A		S	0.1	1	
	23	AA88072	10329L001CP	S	.0888	1	
	24	AA88072 A	↓	S	↓	1	
	25	AA88072L	↓	S	↓	5	5R= 9.01764
	26	AA88072LA	↓	S	↓	5	
	27	CCV					
	28	CCB					
	29	AA88072MS	10329L001CP	S	.0869	1	Reshot on RL #24D-261 at 5x
	30	AA88072MSD	↓	S	.0844	1	

GF Analysis Log

RL24D-259

LENL-Pensacola, FL

DV:030994

RL # 24D-259

Page 2 of 2

000012

Client: England, Bailey

SDG: 01E88124, 03E88072

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	AA88072 MSD	10329 L001CP	S	.0844	5	SA=4.22 SSR=14.10 R=118%
32	AA88129	A3	S	.0986	25	Omit
33	AA88129 A	↓	S	↓	25	
34	CCV					
35	CCB					
36						
37						
38						
39						
40						
41						
42						
43						
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60						

Seq	Comments

KL 24D-257
DV:030994

LENL-Pensacola, FL

RL # 24D-259

Page 1 of 2 000126

Client: England Bailey

SDG # 01B88174, 03E88072

Analyte(s): Tl

Method Ref: 7841

System ID: GF-001

Program: Tl

Results File ID: ST88127A

Calibration Data

C / M / R Ref: 24D-259

ICV Stds. Ref: 166D-72

Cal. Stds. Ref: 166D-71

MSA Stds. Ref: NA

"A" Spike Ref: 166D-82

Date 3/12/96

Analyst: [illegible] (PJ) 3-13-96

	Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
	1	Cal. Blank SO		X	X	X	
	2	Cal. Std S 20		X	X	X	
	3	Cal. Std S 30		X	X	X	
	4	Cal. Std S 60		X	X	X	
	5	Cal. Std S 100		X	X	X	
	6	ICV		X	X	X	
	7	ICB		X	X	X	
	8	CRA/PWL		X	X	X	
✓	9	P.B.335		W	1	1	
	10	P.B.335 A		W	1	1	
✓	11	LCS 335		W	1	1	
	12	LCS 335 A		W	1	1	
	13	AA88077	0306103929	W	1	1	
	14	AA88077 A	↓	W	1	1	
✓	15	AA88127	G-PB-FB1	W	1	1	
	16	AA88127 A	↓	W	1	1	
	17	CCV					
	18	CCB					
✓	19	P.B.336		S	0.1	1	
	20	P.B.336 A		S	0.1	1	
✓	21	LCS 336		S	0.1	1	
	22	LCS 336 A		S	0.1	1	
	23	AA88072	10329L001CP	S	.0888	1	
	24	AA88072 A	↓	S	↓	1	
	25	AA88072L	↓	S	↓	5	
	26	AA88072LA	↓	S	↓	5	
	27	CCV					
	28	CCB					
	29	AA88072MS	10329L001CP	S	.0869	1	
	30	AA88072MSD	↓	S	.0844	1	

RL244-259
DV:030994

LENL-Pensacola, FL
RL # 24D-259
Client: England, Bailey
SDG: 01B88124, 03E88072

0012

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	A88129	A3	S	.0986	25	
32	A88129A	↓	S	↓	25	
33	CCV					
34	CCB					
35						
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38						
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Seq	Comments

RL24D-259

24D-259 000128

Report Of Analytical Results
March 13, 1996

Data File: ST88127A.DAT
Data Collected: 03/12/96 At: 16:03:48 By: MARIA CORTEZ

	Se	As	As	As	Pb
Standard 1	ug/L CC=1.000	ug/L	ug/L	ug/L CC=1.000	ug/L
Mean Conc.	4.00	----	4.00	4.00	----
	Pb	Tl	Tl		
Standard 1	ug/L CC=0.999	ug/L	ug/L CC=0.999		
Mean Conc.	3.00	----	2.00		
	Se	As	As	As	Pb
Standard 2	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	30.00	----	30.00	30.00	----
	Pb	Tl	Tl		
Standard 2	ug/L	ug/L	ug/L		
Mean Conc.	45.00	----	30.00		
	Se	As	As	As	Pb
Standard 3	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	60.00	----	60.00	60.00	----
	Pb	Tl	Tl		
Standard 3	ug/L	ug/L	ug/L		
Mean Conc.	90.00	----	60.00		
	Se	As	As	As	Pb
Standard 4	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	100.00	----	100.00	100.00	----
	Pb	Tl	Tl		
Standard 4	ug/L	ug/L	ug/L		
Mean Conc.	150.00	----	100.00		
	Se	As	As	As	Pb
BLANK	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	----	----	----	----	----
	Pb	Tl	Tl		
BLANK	ug/L	ug/L	ug/L		
Mean Conc.	----	----	----		
	Se	As	As	As	Pb
Blank	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	0.00	----	0.00	0.00	----
	Pb	Tl	Tl		
Blank	ug/L	ug/L	ug/L		
Mean Conc.	0.00	----	0.00		
	Se 1630	As	As	As 2033	Pb
ICV	ug/L	ug/L	ug/L	ug/L	ug/L
Mean Conc.	51.04 102%	----	54.29	51.52 103%	----
	Pb 2338	Tl	Tl 0247		
ICV	ug/L	ug/L	ug/L		
Mean Conc.	73.55 98%	----	52.10 104%		

ICB Mean Conc.	Se ug/L 0.83 1635	As ug/L ----	As ug/L -0.24	As ug/L 0.02 2038	Pb ug/L ----
ICB Mean Conc.	Pb ug/L 0.07 2343	Tl ug/L ----	Tl ug/L -0.06 0252		
PQL Mean Conc.	Se ug/L 4.44 1640 111%	As ug/L ----	As ug/L 4.12	As ug/L 4.23 2042 106%	Pb ug/L ----
PQL Mean Conc.	Pb ug/L 2.84 23.49 95%	Tl ug/L ----	Tl ug/L 1.87 0257 94%		
PB334 Mean Conc.	Se ug/L 0.12 1649 110%	As ug/L ----	As ug/L 0.01	As ug/L 0.50 2052 106%	Pb ug/L ----
PB334 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
LCS334 Mean Conc.	Se ug/L 49.93 1659 100%	As ug/L ----	As ug/L 50.84	As ug/L 46.30 2102 93%	Pb ug/L ----
LCS334 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
AA88127 Mean Conc.	Se ug/L 0.27 1709 111%	As ug/L ----	As ug/L -0.43	As ug/L 0.65 2111 105%	Pb ug/L ----
AA88127 Mean Conc.	Pb ug/L 1.03 0032 107%	Tl ug/L ----	Tl ug/L ----		
PB336 Mean Conc.	Se ug/L 0.85 1720 113%	As ug/L ----	As ug/L -0.26	As ug/L 0.18 2121 107%	Pb ug/L ----
PB336 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
CCV Mean Conc.	Se ug/L 53.96 1724 108%	As ug/L ----	As ug/L 55.91	As ug/L 51.76 2126 104%	Pb ug/L ----
CCV Mean Conc.	Pb ug/L 74.07 0037 99%	Tl ug/L ----	Tl ug/L ----		
CCB Mean Conc.	Se ug/L 0.71	As ug/L ----	As ug/L -0.24	As ug/L -0.13 2131	Pb ug/L ----

RL 24D-259

000130

CCB Mean Conc.	Pb ug/L 20.06	Tl ug/L ----	Tl ug/L ----		
LCS336 Mean Conc.	Se ug/L 49.74 1739 99%	As ug/L ----	As ug/L ----	As ug/L 45.23 2140 90%	Pb ug/L ----
LCS336 Mean Conc.	Pb ug/L 44.85 0104 90%	Tl ug/L ----	Tl ug/L ----		
AA88072 Mean Conc.	Se ug/L 0.72 1749 109%	As ug/L ----	As ug/L ----	As ug/L 71.45 2150 99%	Pb ug/L ----
AA88072 Mean Conc.	Pb ug/L 100.58 0115 1759 ~~114%~~ 114%	Tl ug/L ----	Tl ug/L ----		
AA88072L Mean Conc.	Se ug/L 0.02 APD=1% 1759 114%	As ug/L ----	As ug/L ----	As ug/L 15.01 APD=5% 2201 108%	Pb ug/L ----
AA88072L Mean Conc.	Pb ug/L 20.31 0125 108%	Tl ug/L ----	Tl ug/L ----		
AA88072MS Mean Conc.	Se ug/L 27.77 1804 56%	As ug/L ----	As ug/L ----	As ug/L 116.33	Pb ug/L ----
AA88072MS Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
AA88072MSD Mean Conc.	Se ug/L 27.98 1809 56% RPD=0%	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88072MSD Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
CCV Mean Conc.	Se ug/L 51.56 1814 103%	As ug/L ----	As ug/L ----	As ug/L 51.79 2214 104%	Pb ug/L ----
CCV Mean Conc.	Pb ug/L 73.57 013 98%	Tl ug/L ----	Tl ug/L ----		
CCB Mean Conc.	Se ug/L 0.18 1819	As ug/L ----	As ug/L ----	As ug/L 0.38 2219	Pb ug/L ----
CCB Mean Conc.	Pb ug/L 0.17	Tl ug/L ----	Tl ug/L ----		

AA88129 25X Mean Conc.	Se ug/L 0.35 reshoot straight	As ug/L ----	As ug/L ----	As ug/L 0.97 reshoot straight	Pb ug/L ----
AA88129 25X Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
CCV Mean Conc.	Se ug/L 51.21 1834 102%	As ug/L ----	As ug/L ----	As ug/L 50.73 2256 101%	Pb ug/L ----
CCV Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
CCB Mean Conc.	Se ug/L 0.25 1838	As ug/L ----	As ug/L ----	As ug/L 0.28 2301	Pb ug/L ----
CCB Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
BLANK Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L -0.66	As ug/L 5.00	Pb ug/L ----
BLANK Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
AA88072MS ~~(5x)~~ Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L 126.8	Pb ug/L ----
AA88072MS Mean Conc.	Pb ug/L 171.36	Tl ug/L ----	Tl ug/L ----		
AA88072MSD ~~(5x)~~ Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L 112.56	Pb ug/L ----
AA88072MSD Mean Conc.	Pb ug/L 180.41	Tl ug/L ----	Tl ug/L ----		
AA88072MSD (5x) Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L 123.4	Pb ug/L ----
AA88072MSD (5x) Mean Conc.	Pb ug/L 166.0	Tl ug/L ----	Tl ug/L ----		
NY4338-43 25X Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L 56.13	Pb ug/L ----

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NY4338-43 25X Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
NY4338-43 25X Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L 53.45	Pb ug/L ----
NY4338-43 25X Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L ----		
PB335 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
PB335 Mean Conc.	Pb ug/L 0000 0.26 107%	Tl ug/L ----	Tl ug/L 0307 0.15 111%		
LCS335 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
LCS335 Mean Conc.	Pb ug/L 0010 45.75 92%	Tl ug/L ----	Tl ug/L 0317 48.76 98%		
AA88077 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88077 Mean Conc.	Pb ug/L 0021 0.37 108%	Tl ug/L ----	Tl ug/L 0327 0.14 108%		
PB336 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
PB336 Mean Conc.	Pb ug/L 0053 0.27 106%	Tl ug/L ----	Tl ug/L ----		
AA88129 25X Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88129 25X Mean Conc.	~~Pb ug/L 0202 8.75 104%~~ Omit	Tl ug/L ----	Tl ug/L ----		
CCV Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
CCV Mean Conc.	Pb ug/L 0207 74.89 100%	Tl ug/L ----	Tl ug/L 0342 52.58 105%		

RL240-259
00013

CCB Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
CCB Mean Conc.	Pb ug/L 0.34 0213	Tl ug/L ----	Tl ug/L 0.13		
AA88127 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88127 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L 0337 0.04 108%		
PB336 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
PB336 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl 0357 0402 ug/L 0.36 109%		
LCS336 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
LCS336 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L 0402 46.94 94%		
AA88072 Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88072 Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L 0417 0.86 115%		
AA88072L Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
AA88072L Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L 0.26 112%		
CCV Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----
CCV Mean Conc.	Pb ug/L ----	Tl ug/L ----	Tl ug/L 0432 53.29 107%		
CCB Mean Conc.	Se ug/L ----	As ug/L ----	As ug/L ----	As ug/L ----	Pb ug/L ----

RL24D-259

000134

CCB	Pb ug/L	Tl ug/L	Tl ug/L		
Mean Conc.	----	----	-0.18 0436		
AA88072MS	Se ug/L	As ug/L	As ug/L	As ug/L	Pb ug/L
Mean Conc.	----	----	----	----	----
AA88072MS	Pb ug/L	Tl ug/L	Tl ug/L 0441		
Mean Conc.	----	----	50.74 101%		
AA88072MSD	Se ug/L	As ug/L	As ug/L	As ug/L	Pb ug/L
Mean Conc.	----	----	----	----	----
AA88072MSD	Pb ug/L	Tl ug/L	Tl ug/L RPD=0% 0446		
Mean Conc.	----	----	50.53 101%		
AA88129 25X	Se ug/L	As ug/L	As ug/L	As ug/L	Pb ug/L
Mean Conc.	----	----	----	----	----
AA88129 25X	Pb ug/L	Tl ug/L	Tl ug/L 0455		
Mean Conc.	----	----	0.13 110%		
CCV	Se ug/L	As ug/L	As ug/L	As ug/L	Pb ug/L
Mean Conc.	----	----	----	----	----
CCV	Pb ug/L	Tl ug/L	Tl ug/L 0500		
Mean Conc.	----	----	53.43 107%		
CCB	Se ug/L	As ug/L	As ug/L	As ug/L	Pb ug/L
Mean Conc.	----	----	----	----	----
CCB	Pb ug/L	Tl ug/L	Tl ug/L 0505		
Mean Conc.	----	----	0.51		

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Analyst: MLL Supervisor: 3-13-96

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RL240-260
DV:030994 0013

LENL-Pensacola, FL

RL # 240-260 Page 1 of 2

Client: Bailey SDG # 02B88173, 01B88124

Analyte(s): Se Method Ref: 7740

System ID: GF-001 Program: Se Results File ID: SE88173A

Calibration Data

C / M / R Ref: 240-260 ICV Stds. Ref: 1660-68

Cal. Stds. Ref: 1660-69 MSA Stds. Ref: N/A

"A" Spike Ref: 1660-82

Date 3 / 13 / 96 Analyst: [signature]

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
1	Cal. Blank SO		X	X	X	
2	Cal. Std S 4		X	X	X	
3	Cal. Std S 30		X	X	X	
4	Cal. Std S 60		X	X	X	
5	Cal. Std S 100		X	X	X	
6	ICV		X	X	X	
7	ICB		X	X	X	
8	CRA/PWL		X	X	X	
9	PB343		S	0.100	1	
10	PB343A		S	0.100	1	
11	LCS343		S	0.100	1	
12	LCS343A		S	0.100	1	
13	AA88173	B1	S	0.134	1	SR=0.21172
14	AA88173A	↓	S	0.134	1	
15	AA88173L	↓	S	0.134	5	
16	AA88173LA	↓	S	0.134	5	
17	~~Blank~~		X	X	X	
18	CCV		X	X	X	
19	CCB		X	X	X	
20	AA88173MS	B1	S	0.132	1	SA=6.60 SSR=4.94736 %R=72%
21	AA88173MSD	↓	S	0.138	1	SA=6.90 SSR=5.41788 %R=75%
22	AA88176	D2	S	0.261	1	
23	AA88176A	↓	S	0.261	1	
24	AA88178	C2	S	0.128	1	
25	AA88178A	↓	S	0.128	1	
26	AA88180	F2	S	0.195	1	
27	AA88180A	↓	S	0.195	1	
28	~~Blank~~		X	X	X	
29	CCV		X	X	X	
30	CCB		X	X	X	

RL24D-260

LENL-Pensacola, FL

DV:030994

RL # _____

0000136

Client: Bailey

SDG: 02B88173, 01B88124

Seq	Sample #	Sample ID	Matrix	SCF	DF	Comments
31	AA88185	E1	S	0.263	1	
32	AA88185A	↓	S	0.263	1	
33	AA88129	A3	S	0.0986	1	
34	AA88129A	↓	S	0.0986	1	
35	~~BLANK~~		~~X~~	~~X~~	~~X~~	
36	CCV		X	X	X	
37	CCB		X	X	X	
38						
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Seq	Comments

RL 240-260

Report Of Analytical Results
March 13, 1996

Data File: SE88173A.DAT
Data Collected: 03/13/96 At: 09:24:56 By: MARIA CORTEZ

	Se ug/L		Time
Standard 1	4.00		
Standard 2	30.00	CC=0.999	
Standard 3	60.00		
Standard 4	100.00		
BLANK	----		
Blank	0.00	%R	Time
ICV	50.59	101%	0952
ICB	0.28		0957
PQL	3.96	99%	1001
PB343	-0.18	107%	1011
LCS343	51.24	102%	1021
AA88173	1.58	82% "W"	1031
AA88173L	0.34	106%	1041
~~BLANK~~	~~0.12~~		
CCV	49.83	100%	1051
CCB	0.20		1056
AA88173MS	37.48	72% RPD=4%	1101
AA88173MSD	39.26	75%	1106
AA88176	1.05	80% "W"	1116
AA88178	0.83	80% "W"	1126
AA88180	2.67	94%	1137
~~BLANK~~	~~0.34~~		
CCV	50.78	101%	1146
CCB	0.30		1151
AA88185	0.67	51% "W"	1201
AA88129	0.37	79% "W"	1211
~~BLANK~~	~~0.18~~		
CCV	48.27	97%	1221
CCB	0.29		1225

Analyst: _____ Supervisor: _____

SDG No: 01B88124

Method No.: HG

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 Pit B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWL0332	AA85965			
15 ESB0336	AA85966			
16 ESL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB.TLWB FWB0335	AA85970			
20 PB.TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-9
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HQSB0541	AA85972			
22 HQSL0541	AA85973			
23 HQWB0539	AA85974			
24 HQWL0539	AA85975			
25 HQWB0540	AA85976			
26 HQWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICAWB0332T	AA86021			
42	ICAWL0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846TSL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP

A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X

8270 - Total

A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume

8270 - TCLP

A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 3

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP

The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:10	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:12	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:18	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury Water ug/L	SW7470	0.500	Not Det	03/12/96	13:45	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

— Project Information —

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

— Sample Information —

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:19	CT
Mercury	SW7471	0.296	Not Det	03/13/96	10:19	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:20	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:22	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A4

Project Name: BAILTCLP

BAILEY PROJECT GE3913

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Date Sampled: 03/07/96

Collector: WISEALOWSKI

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:24	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:30	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: A2 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86027

Collector:

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/06/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	1.00	03/12/96	15:14	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000155

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86028

Collector:

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	1.04	03/12/96	15:16	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: HGSB0541

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85972

Collector:

Date Sampled: 03/13/96

Time Sampled: 10:01

Log In Date: 03/13/96

Log In Time: 10:01

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:01	CT
Mercury	SW7471	0.203	Not Det	03/13/96	10:01	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGWB0539

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85974

Collector:

Date Sampled: 03/12/96

Time Sampled: 13:41

Log In Date: 03/12/96

Log In Time: 13:41

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury Water ug/L	SW7470	0.500	Not Det	03/12/96	13:41	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: TCLPSB8014

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA82832

Collector:

Date Sampled: 03/09/96

Time Sampled: 12:30

Log In Date: 03/09/96

Log In Time: 12:30

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:34	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGWB0540

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85976

Collector:

Date Sampled: 03/12/96

Time Sampled: 15:06

Log In Date: 03/12/96

Log In Time: 15:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	Not Det	03/12/96	15:06	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : HGSB0541

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 01B88124 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
HGSB0541	AA85972	3/13/96	SQ	LB
HGSL0541	AA85973	3/13/96	SQ	BS
A3	AA88129	3/7/96	SO	N

LCS : SW7471
initial
Extraction Method : NONE
Matrix : SQ
Units : mg/Kg

Sample Name : HGSL0541
LIMS Sample ID : AA85973
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/13/96
Time of Analysis : 10:03

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Mercury	0.419	0.413	99		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : HGWB0539

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/12/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
HGWB0539	AA85974	3/12/96	WQ	LB
HGWL0539	AA85975	3/12/96	WQ	BS
G-PB-FB1	AA88127	3/6/96	WQ	EB

LCS : SW7470
Initial
Extraction Method : NONE
Matrix : WQ
Units : ug/L

Sample Name : HGWL0539
LIMS Sample ID : AA85975
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/12/96
Time of Analysis : 13:43

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7470 Mercury Water ug/L	1	0.989	99		80	120	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID: TCLPSB8014

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date: 03/09/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID :HGWB0540

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/12/96
SDGs Included : 01B88124

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8014	AA82832	3/9/96	SQ	LB
HGWB0540	AA85976	3/12/96	WQ	LB
HGWL0540	AA85977	3/12/96	WQ	BS
A2 MS	AA86027	3/6/96	SQ	MS
A2 MSD	AA86028	3/6/96	SQ	SD
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

MSD : SW7470
initial
Extraction : SW1311
Matrix : SQ
Units : ug/L
Neat Sample : AA88125

MS Sample Name : A2 MS
MS LIMS ID : AA86027
MS Extraction :
MS Extraction :
MS Analysis : 3/12/96
MS Analysis : 15:14

MSD Sample Name : A2 MSD
MSD LIMS ID : AA86028
MSD Extraction :
MSD Extraction :
MSD Analysis : 3/12/96
MSD Analysis : 15:16

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
610-7470 Mercury TCLP ug/L	0	1	1	100		1	1.04	104		4		75	125	20	PR

LCS : SW7470
initial
Extraction Method : NONE
Matrix : WQ
Units : ug/L

Sample Name : HGWL0540
LIMS Sample ID : AA85977
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/12/96
Time of Analysis : 15:08

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
610-7470 Mercury TCLP ug/L	1	0.973	97		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGSL0541

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85973

Collector:

Date Sampled: 03/13/96

Time Sampled: 10:03

Log In Date: 03/13/96

Log In Time: 10:03

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7471 Mercury Soil mg/Kg	SW7471		_TITLE_	03/13/96	10:03	CT
Mercury	SW7471	0.209	0.413	03/13/96	10:03	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGWL0539

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85975

Collector:

Date Sampled: 03/12/96

Time Sampled: 13:43

Log In Date: 03/12/96

Log In Time: 13:43

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury Water ug/L	SW7470	0.500	0.989	03/12/96	13:43	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: HGWL0540

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85977

Collector:

Date Sampled: 03/12/96

Time Sampled: 15:08

Log In Date: 03/12/96

Log In Time: 15:08

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-7470 Mercury TCLP ug/L	SW7470	0.500	0.973	03/12/96	15:08	CT

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

000167

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3 / 8 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No:
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-02	S	[illegible]	8240	SR	3/8/96	1200A	GC/MS	3/8/96	1200	
01	S	CN	7470A	SR	3-12-96	0800	SR	3-8-96	1700	Y-S
01	S	NH	[illegible]	SR	3-11-96	0800A	SR	3-11-96	1700	Y-S
01	S	SR	8270	SR	3/10/96	0800	Consumed			

SAMPLES CONSTITUTING THIS BATCH

Matrix: Water

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

[illegible] 7470 7060 NH

RL26B-541

000168

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL

DV:030994

RL # 26B-541

Page 1 of 1

Client: BAILEY; IBM

SDG: 01B88124; 02B88123

Method Ref: 7471A/245.5 QC: N/A Syst. ID AAS-001 C/M/R

Reagents Ref: SSA-45-10; SSA-45-5 Stds. Ref: 1660-73; 1660-76

Calib. Curve Data: Slope: 0.8437 Intercept: -0.00713 Corr. Coeff. 0.9998

Prep: Date 3/12/96 Tech: [illegible]

Analysis: Date 3/13/96 Time: 0945 Tech: [illegible] 3-13-96

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	.003	0945	X	X	
2	Std 0.05 ug		X	X	X	X	X	.046	0947	X	X	
3	Std 0.1 ug		X	X	X	X	X	.090	0949	X	X	
4	Std 0.2 ug		X	X	X	X	X	.180	0951	X	X	
5	Std 0.5 ug		X	X	X	X	X	.436	0953	X	X	
6	Std 1.0 ug		X	X	X	X	X	.846	0955	X	X	
7	ICV 0.6 ug		X	X	X	X	X	.522	0957	6.11	X	% Recovery = 102%
8	ICB		X	X	X	X	X	.008	0959	*<0.200	X	*also <0.500
✓ 9	PB (W/S)	→	X	S	X	.2462	.2462	.007	1001	~~<0.200~~ <0.0812 <0.203	~~*also <0.500~~ CM7	AA85970
✓ 10	LCS (W/S)		X		X	.2388	.2388	.090	1003	X	0.413	% Recovery = 99% AA85921
11	AA88173	B1	N/A		Y	.2558	.1407	.010	1005	X	<0.355	
12	AA88178	C2				.2453	.1374	.092	1007	X	0.736	MS% R = 101% AA86029
13	AA88178MSD	C2				.2190	.1226	.090	1009	X	0.805	MSD% R = 99% RPD = 2 AA86030
14	AA88176	D2				.2503	.1676	.019	1011	X	<0.740	
15	AA88178	C2				.2470	.1359	.001	1013	X	<0.368	neat
16	AA88180	F2				.2589	.0933	.017	1015	X	<0.508	
17	AA88185	E1				.2358	.0660	.017	1017	X	<0.758	
✓ 18	AA88129	A3				~~.2364~~ .2343	.1688	.007	1019	X	<0.296	
19*	CCV		X	X	X	X	X	.520	1021	6.08	X	% R = 101%
20*	CCB		X	X	X	X	X	.007	1023	*<0.200	X	*Also <0.500
21	AA88133	L1 Large	N/A	S	Y	0.2106	.1939	.006	1025	X	<0.102	
22	AA88138	L2 Small				.2475	.2401	.007	1027	X	<0.0833	
23	CCV		X	X	X	X	X	.523	1029	6.12	X	% R = 102%
24	CCB		X	X	X	X	X	.011	1031	*<0.200	X	*Also <0.500
25												

Seq	COMMENTS	
11	AA88173 smells like petroleum	0.0236
12 13	AA88178 - strong ? smell.	.02 = X = ~~0.0257~~
14	AA88176 - strong petroleum smell; mostly liquid	
16	AA88180 - " " " " "	.05 = X = 0.0489
17	AA88185 - strong petroleum smell	

RL26B-539

000169

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL

DV:030994

RL # 26B-539

Page 1 of 2

Client: BAILEY; AGL; UST; PATRICK

SDG: 01B88124; 88170

Method Ref: 7470A/245.1 QC: N/A Syst. ID AAS-001 C/M/R 26B-539

Reagents Ref: 53B-649E; 53B-593B; 55A-455; 55A-45-6 Stds. Ref: 1660-73; 1660-76

Calib. Curve Data: Slope: 0.6962 Intercept: X=-0.0103 Corr. Coeff. .9997

Prep: Date 3/12/96 Tech: CMT

Analysis: Date 3/12/96 Time: 1326 Tech: CMT 3-12-96

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	.012	1326	X	X	
2	Std 0.05 ug		X	X	X	X	X	.036	1328	X	X	
3	Std 0.1 ug		X	X	X	X	X	.077	1330	X	X	
4	Std 0.2 ug		X	X	X	X	X	.153	1332	X	X	
5	Std 0.5 ug		X	X	X	X	X	.346	1334	X	X	
6	Std 1.0 ug		X	X	X	X	X	.707	1336	X	X	
7	ICV 0.6 ug		X	X	X	X	X	.465	1338	6.58	X	% Recovery = 110%
8	ICB		X	X	X	X	X	.005	1340	<0.200	X	
✓ 9	PB (W/S)		X	W	X	0.1	1.0	.007	1341	<0.200	X	AA85974
✓ 10	LCS (W/S)		X		X			.076	1343	0.989	X	% Recovery = 99% AA85975
✓ 11	AA88127	G-PB-FB1	Y		Y			.007	1345	<0.500	X	neat
✓ 12	AA88127	G-PB-FB1						.075	1346	0.974	X	MS % R = 97% RPD =
✓ 13	AA88127	G-PB-FB1						.077	1348	1.00	X	MSD % R = 100%
14	AA88170	MW08B						.006	1350	<0.200	X	
15	AA88145	MW-1						.009	1351	<0.200	X	
16	AA87986	1061T-1						1.058	1353	11.50	X	→ over cal do not rept
17	AA87987	1061T-2						.887	1355	12.64	X	→ over cal do not rept
18	AA87988	1175T-3						.687	1357	9.76	X	~~→ over cal do not rept~~
19*	CCV							.445	1359	6.29	X	% R = 105%
20*	CCB							.012	1402	<0.200	X	
21	AA87989	1175T-4	Y	W	Y	0.1	1.0	.410	1405	5.78	X	
22	AA87990	1175T-5						.595	1407	8.41	X	
23	AA87991	1175T-6						.025	1409	0.299	X	
24	AA87992	1175T-7						.023	1410	0.228	X	
25	AA87993	EXT. T-8						.007	1412	<0.200	X	

Seq	COMMENTS
7	ICV Resp = .465 water ug/L = 6.58
	Y = 0.021

RL 268-539

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL

RL # 268-539

Client: BAILEY; AGL; UST; PATRICK

DV:030994 00017

Page 2 of 2

SDG: 01888124, 88170

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
26	AA87994	B.1175T9	Y	W	Y	0.1	1.0	.012	1414	<0.200	X	
27	AA87995	1173T-10						.120	1415	1.62	X	
28	AA87996	1173T-11						.009	1417	<0.200	X	
29	AA87997	1173T-12						.613	1419	8.70	X	
30	AA87998	1179T-13						.008	1421	<0.200	X	
31*	CCV		X	X	X	X	X	.433	1423	6.12	X	Y.R = 102%
32*	CCB		X	X	X	X	X	.007	1425	<0.200	X	
33	AA87999	1179T-14	Y	W	Y	0.1	1.0	.007	1427	<0.200	X	
34	AA88000	1175T-15						.193	1429	2.67	X	
35	AA88001	1175T-16						.015	1431	<0.200	X	
36	TCLPBLK	330						.006	1433	<0.200	X	
37	CCV	•	X	X	X	X	X	0.433	1435	6.12	X	Y.R = 102%.
38	CCB		X	X	X	X	X	.006	1437	<0.200	X	
39												
40												
41												
42												
43*												
44*												
45												
46												
47												
48												
49												
50												

Seq	COMMENTS

RL26B-540

000171

Hg Cold Vapor Prep/Analysis Bench Sheet

LENL-Pensacola, FL

DV:030994

RL # 26B-540

Page 1 of 2

Client: BAILEY ; 3457.1880

SDG: 01B88124

Method Ref: 7470A/245.1 QC: N/A

Syst. ID MAS-001 C/M/R 26B-540

Reagents Ref: 53B-6MAE; 53B-593A; 55A-455; 55A-456

Stds. Ref: 1660-73; 1660-76

Calib. Curve Data: Slope: 0.7694 Intercept: -0.00795 Corr. Coeff. 0.99998

Prep: Date 3/12/96 Tech: CM

Analysis: Date 3/12/96 Time: 1450 Tech: CM

3-12-96

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments	
1	Cal. Blank SO		X	X	X	X	X	.005	1450	X	X		
2	Std 0.05 ug		X	X	X	X	X	.042	1452	X	X		
3	Std 0.1 ug		X	X	X	X	X	.086	1454	X	X		
4	Std 0.2 ug		X	X	X	X	X	.161	1456	X	X		
5	Std 0.5 ug		X	X	X	X	X	.391	1458	X	X		
6	Std 1.0 ug		X	X	X	X	X	.775	1500	X	X		
7	ICV 0.6 ug		X	X	X	X	X	.477	1502	6.15	X	% Recovery = 102%.	
8	ICB		X	X	X	X	X	.012	1504	*<0.200	X	*also <0.500	
✓ 9	PB (W/S)		X	W	X	0.1	1.0	.011	1506	*<0.200	X	*also <0.500	AA85976
✓ 10	LCS (W/S)		X	|	X	|	|	.081	1508	0.973	X	% Recovery = 97%.	AA85977
✓ 11	AA88124	A1	Y	|	Y	|	|	.009	1510	<0.500	X		
✓ 12	AA88125MS	A2	|	|	|	|	|	.083	1514	~~<0.500~~	X	MS % R = 100%	AA86027
✓ 13	AA88125MSD	A2	|	|	|	|	|	.086	1516	1.04	X	MSD % R = 104%	AA86028 RPD = 4
✓ 14	AA88125	A2	|	|	|	|	|	.009	1518	*<0.500	X	neat	
✓ 15	AA88126	A2D	|	|	|	|	|	.008	1518	<0.500	X		
✓ 16	AA88129	A3	|	|	|	|	|	.012	1520	<0.500	X		
✓ 17	AA88130	A31	|	|	|	|	|	.012	1522	<0.500	X		
✓ 18	AA88131	A4	|	|	|	|	|	.010	1524	<0.500	X		
19*	CCV		X	X	X	X	X	.480	1526	6.16	X	% R = 105%	
20*	CCB		X	X	X	X	X	.010	1528	*<0.200	X	*also <0.500	
✓ 21	AA88132	C1	Y	W	Y	0.1	1.0	.010	1530	<0.500	X		
22	AA88164	comp. sample	|	|	|	|	|	.013	1532	<0.200	X		
✓ 23	TLPBIK	8014	|	|	|	|	|	.009	1534	*<0.200	X	*Also <0.500	AA85832
24	TLPBIK	8027	|	|	|	|	|	.014	1536	*<0.200	X	*Also <0.500	
25	CCV		X	X	X	X	X	.458	1538	5.87	X	% R = 98%	

Seq	COMMENTS
11-18	All samples had medium → high
21	petro odor /CM
12	Resp = .083 time = 1514 water ug/l = 1.00
13	= .086 1516 1.04
14	= .009 1512 <0.500

notebook
CLP x = 0.018
ARC x = 0.0445

RL26B-540

000172

Hg Cold Vapor Prep/Analysis Bench Sheet

DV:030994

LENL-Pensacola, FL

RL # 26B-540

Page 2 of 2

Client: 3UST1880; BAILEY

SDG: 01B8124

Seq	Sample #	Sample ID	pH <2	Mtx	Hmg	Vol,1 Wgt,g	SCF	Resp	Time	Water ug/L	Other mg/kg	Comments
26	CCB		X	X	X	X	X	.011	640	±0.200	X	* Abs LO.500
27												
28												
29												
30												
31*												
32*												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43*												
44*												
45												
46												
47												
48												
49												
50												

Seq	COMMENTS

SDG No: 01B88124

Method No.: 9010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 PitB 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWL0332	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB-TLWB FWB0335	AA85970			
20 PB-TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-9
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HGSB0541	AA85972			
22 HGSL0541	AA85973			
23 HGWB0539	AA85974			
24 HGWL0539	AA85975			
25 HGWB0540	AA85976			
26 HGWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 2 3

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICPWB0332T	AA86021			
42	ICPWL0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846TSL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP		
A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X
8270 - Total		
A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume
8270 - TCLP		
A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 3

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:21	JG
Cyanide	SW9010	0.725	Not Det	03/14/96	11:21	JG

Remarks:

Signed: _____

James M. G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: CNSB0356

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86004

Collector:

Date Sampled: 03/14/96

Time Sampled: 11:01

Log In Date: 03/14/96

Log In Time: 11:01

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:01	JG
Cyanide	SW9010	0.500	Not Det	03/14/96	11:01	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : CNSB0356

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/14/96
SDGs Included : 01B88124 02B88173

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
CNSB0356	AA86004	3/14/96	SQ	LB
CNSL0356	AA86005	3/14/96	SQ	BS
A3	AA88129	3/7/96	SO	N

LCS : SW9010
initial
Extraction Method : NONE
Matrix : SQ
Units : mg/Kg

Sample Name : CNSL0356
LIMS Sample ID : AA86005
Date of Extraction :
Time of Extraction :
Date of Analysis : 3/14/96
Time of Analysis : 11:02

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Cyanide	5	4.85	97		80	120	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: CNSL0356

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86005

Collector:

Date Sampled: 03/14/96

Time Sampled: 11:02

Log In Date: 03/14/96

Log In Time: 11:02

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
610-9010 Cyanide Soil mg/Kg	SW9010		_TITLE_	03/14/96	11:02	JG
Cyanide	SW9010	0.500	4.85	03/14/96	11:02	JG

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

000184

Client: Bailey Site - Pit B

Case:

Form Initiated 03 / 08 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
04	S	CM	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	3050A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
04	S	JRU	9010	SR	3/13/96	0800	SR	3/13/96	1700	Y-S
04	S	KLO	8240	SR	3/19/96	12:00	GCMS	3/19/96	12:05	N-S
01-07	S	JR	(1)	SR	3/11/96	08:00	SR	3/11/96	1700	S-Y

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

(1) Ignitibility, Paint Filter, Ph, Moisture, ZHE, TCLP

RL 520-356

000185

LENL-Pensacola, FL

Cyanide Prep/Analysis Bench Sheet

DV:030994

RL # 520-356

Client: ABL, 6002413, BAILEY

Page 1 of

Method Ref: 9010/335.2 QC: NA Spec: Syst. ID Spec-001

SDG: 22170, 22172 017

Reagents Ref: 53B-671A 53B-672 53B-673 53B-678

C/M/R 792-416

Calib. Curve Data: Slope: .00452 Intercept: x = -.339

Stds. Ref: 44H-60, 61

Prep: Date 3/13/96 Tech: JRG

Corr. Coeff. .9998

Analysis: Date 3/14/96 Tech: JRG

3-14-96

Seq	Sample #	Sample ID	pH <12	S	Cl	Mtx	Hmg	V:L Wt:g	SCF	C: mls	Time	Abs	ug in dist.	Water ug/L	Other mg/kg	Comments
1	Cal. Blank SO		X	X	X	X	X	X	X	X	1025	.000	-.339	X	X	
2	Cal Std ~~2.5 ug~~	5 ug/L	X	X	X	X	X	X	X	X	1026	.024	4.97	X	X	
3	Dist Std 5ug	10 ug/L	X	X	X	X	X	X	X	X	1027	.045	9.61	X	X	
4	Cal Std 10ug	20 ug/L	X	X	X	X	X	X	X	X	1028	.097	21.11	X	X	% Rec = 96
5	Cal Std 25ug	50 ug/L	X	X	X	X	X	X	X	X	1029	.234	51.40	X	X	
6	Dist Std 50ug	100 ug/L	X	X	X	X	X	X	X	X	1030	.442	97.39	X	X	% Rec = 97
7	Cal Std 100ug	200 ug/L	X	X	X	X	X	X	X	X	1031	.910	200.87	X	X	
8	Dist ICV 50ug	100 ug/L	X	X	X	X	X	X	X	X	1042	.418	92.08	92.08	X	% Rec = 92
9	ICB		X	X	X	X	X	X	X	X	1043	.000	-.339	<10.0	X	
10	PB (W/S)		X	X	X	LW	X	.05	10	50.0	1044	.000	-.339	<10.0	X	~~AA86000~~
11	LCS (W/S)		X	N	N		X				1045	.436	96.06	96.06	X	96% ~~AA86001~~
12	AA86170	MW08R	12	N	N		Y				1046	.005	.766	<10.0	X	
13	AA86170 MS	MW08R	12	N	N						1047	.445	98.05	98.05	X	98%
14	AA86170 MSD	MW08R	12	N	N						1048	.447	98.49	98.49	X	98%
15	AA86171	MW06B	12	N	N						1049	.004	.545	<10.0	X	
16	AA86190		12	N	N		Y				1100	.005	.766	<10.0	X	
17	PPBLK		X	X	LS		X	1.00	1.00		1101	.000	-.339	X	<5	AA86004
18*	LCS		X	X	X	LS	X	1.00	1.00		1102	.440	96.95	X	4.85	97% AA86005
19*	AA86173	B1	NA	NA	NA	LS	Y	1.00	.594		1103	.000	-.339	X	<.842	
20	ICV		X	X	X	X	X	X	X		1104	.415	91.42	91.42	X	91%
21	CCB		X	X	X	X	X	X	X		1105	.000	-.339	<10.0	X	
22	AA86173 MS	B1	NA	NA	NA	LS	Y	1.00	.550		1115	.103	22.43	X	2.04	22% AA86019
23	AA86173 MSD	B1						1.00	.550		1116	.144	31.50	X	2.86	31% AA86020
24	AA86176	D2						1.00	.270		1117	.006	.968	X	<1.85	
25	AA86178	C2						1.01	.566		1118	.011	2.09	X	<2.83	

RL 52D-356
000186
DV:030994

Cyanide Prep/Analysis Bench Sheet

LENL-Pensacola, FL

RL # 52D-356

Client: BAIT

Page 2 of 2

SDG: 01888124

Prep: Date 3/13/96 Tech: JR6 Analysis: Date 3/14/96

Seq	Sample #	Sample ID	pH <12	S	Cl	Mtx	Hmg	V:L Wt:g	SCF	C: mls	Time	Abs	ug in dist.	Water ug/L	Other mg/kg	Comments
26	AA88180	F2	NA	NA	NA	LS	Y	1.05	399	500	1119	.001	-.118	X	<1.25	
27	AA88185	E1	↓	↓	↓	↓	↓	1.00	.280	↓	1120	.001	-.118	X	<1.79	
28	AA88129	A3	↓	↓	↓	↓	↓	1.00	.640	↓	1121	.002	.103	X	<7.25	
29	AA88173 *	B1	↓	↓	↓	↓	↓	1.08	.594	↓	1130	.133	29.06	X	7.45	146%
30	CCV		X	X	X	X	X	X	X	↓	1131	.419	42.30	42.30	X	92%
31	CCB		X	X	X	X	X	X	X	↓	1132	.000	-.334	<10.0	X	
32																
33																
34																
35																
36																
37																
38																
39																
40																
41																
42																
43																
44																
45																
46																
47																
48																
49																
50																

Seq	COMMENTS
	* AA 88173 Post - Digest Spike 20 ug/L

SDG No: 01B88124

Method No.: 8260 5mL

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 PitB 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWLB32	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS SEWB0334	AA85968			
18 AS-SEWL0334	AA85969			
19 PB-TLWB FWB0335	AA85970			
20 PB-TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-9
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 AQSB0541	AA85972			
22 AQSL0541	AA85973			
23 AQWB0539	AA85974			
24 AQWL0539	AA85975			
25 AQWB0540	AA85976			
26 AQWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICAWB0332T	AA86021			
42	ICAWL0332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846ISL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP		
A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X
8270 - Total		
A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume
8270 - TCLP		
A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 3

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

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TEST DATA REPORT

03/19/96

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Station ID: A1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	08:59	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	08:59	WD
Benzene	SW8260	50.0	268	03/12/96	08:59	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/12/96	08:59	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/12/96	08:59	WD
Chlorobenzene	SW8260	50.0	Not Det	03/12/96	08:59	WD
Chloroform	SW8260	50.0	Not Det	03/12/96	08:59	WD
1,2-Dichloroethane	SW8260	50.0	502	03/12/96	08:59	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/12/96	08:59	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/12/96	08:59	WD
Trichloroethene	SW8260	50.0	Not Det	03/12/96	08:59	WD
Vinyl chloride	SW8260	100	Not Det	03/12/96	08:59	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	91	03/12/96	08:59	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/12/96	08:59	WD

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--- Project Information ---

Station ID: A1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/12/96	08:59	WD

Remarks:

Signed: _____

James M.S. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	09:27	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	09:27	WD
Benzene	SW8260	50.0	333	03/12/96	09:27	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/12/96	09:27	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/12/96	09:27	WD
Chlorobenzene	SW8260	50.0	Not Det	03/12/96	09:27	WD
Chloroform	SW8260	50.0	Not Det	03/12/96	09:27	WD
1,2-Dichloroethane	SW8260	50.0	474	03/12/96	09:27	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/12/96	09:27	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/12/96	09:27	WD
Trichloroethene	SW8260	50.0	Not Det	03/12/96	09:27	WD
Vinyl chloride	SW8260	100	Not Det	03/12/96	09:27	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	88	03/12/96	09:27	WD
sur-Toluene-d8 %R 88-110	SW8260	0	103	03/12/96	09:27	WD

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--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	102	03/12/96	09:27	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	09:54	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	09:54	WD
Benzene	SW8260	50.0	310	03/12/96	09:54	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/12/96	09:54	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/12/96	09:54	WD
Chlorobenzene	SW8260	50.0	Not Det	03/12/96	09:54	WD
Chloroform	SW8260	50.0	Not Det	03/12/96	09:54	WD
1,2-Dichloroethane	SW8260	50.0	410	03/12/96	09:54	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/12/96	09:54	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/12/96	09:54	WD
Trichloroethene	SW8260	50.0	Not Det	03/12/96	09:54	WD
Vinyl chloride	SW8260	100	Not Det	03/12/96	09:54	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	92	03/12/96	09:54	WD
sur-Toluene-d8 %R 88-110	SW8260	0	105	03/12/96	09:54	WD

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03/19/96

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--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/12/96	09:54	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	11:55	WD
622-8260 5mL Volatiles W ug/L	SW8260		_TITLE_	03/13/96	11:55	WD
Acetone	SW8260	10.0	Not Det	03/13/96	11:55	WD
Benzene	SW8260	5.00	Not Det	03/13/96	11:55	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
Bromoform	SW8260	5.00	Not Det	03/13/96	11:55	WD
Bromomethane	SW8260	10.0	Not Det	03/13/96	11:55	WD
2-Butanone	SW8260	10.0	Not Det	03/13/96	11:55	WD
Carbon disulfide	SW8260	5.00	Not Det	03/13/96	11:55	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/13/96	11:55	WD
Chlorobenzene	SW8260	5.00	Not Det	03/13/96	11:55	WD
Chloroethane	SW8260	10.0	Not Det	03/13/96	11:55	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/13/96	11:55	WD
Chloroform	SW8260	5.00	6.27	03/13/96	11:55	WD
Chloromethane	SW8260	10.0	Not Det	03/13/96	11:55	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/13/96	11:55	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	11:55	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/13/96	11:55	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	11:55	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	11:55	WD
Ethylbenzene	SW8260	5.00	Not Det	03/13/96	11:55	WD
2-Hexanone	SW8260	10.0	Not Det	03/13/96	11:55	WD
Methylene chloride	SW8260	5.00	Not Det	03/13/96	11:55	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/13/96	11:55	WD
Styrene	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/13/96	11:55	WD
Toluene	SW8260	5.00	2.74 J	03/13/96	11:55	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/13/96	11:55	WD
Trichloroethene	SW8260	5.00	Not Det	03/13/96	11:55	WD
Vinyl acetate	SW8260	10.0	Not Det	03/13/96	11:55	WD
Vinyl chloride	SW8260	10.0	Not Det	03/13/96	11:55	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/13/96	11:55	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	90	03/13/96	11:55	WD
sur-Toluene-d8 %R 88-110	SW8260	0	98	03/13/96	11:55	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/13/96	11:55	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: TB

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88128

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	12:22	WD
622-8260 5mL Volatiles W ug/L	SW8260		_TITLE_	03/13/96	12:22	WD
Acetone	SW8260	10.0	Not Det	03/13/96	12:22	WD
Benzene	SW8260	5.00	Not Det	03/13/96	12:22	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
Bromoform	SW8260	5.00	Not Det	03/13/96	12:22	WD
Bromomethane	SW8260	10.0	Not Det	03/13/96	12:22	WD
2-Butanone	SW8260	10.0	Not Det	03/13/96	12:22	WD
Carbon disulfide	SW8260	5.00	Not Det	03/13/96	12:22	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/13/96	12:22	WD
Chlorobenzene	SW8260	5.00	Not Det	03/13/96	12:22	WD
Chloroethane	SW8260	10.0	Not Det	03/13/96	12:22	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/13/96	12:22	WD
Chloroform	SW8260	5.00	Not Det	03/13/96	12:22	WD
Chloromethane	SW8260	10.0	Not Det	03/13/96	12:22	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/13/96	12:22	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	12:22	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/13/96	12:22	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	12:22	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	12:22	WD
Ethylbenzene	SW8260	10.0	Not Det	03/13/96	12:22	WD
2-Hexanone	SW8260	5.00	Not Det	03/13/96	12:22	WD
Methylene chloride						

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: TB

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88128

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/13/96	12:22	WD
Styrene	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/13/96	12:22	WD
Toluene	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/13/96	12:22	WD
Trichloroethene	SW8260	5.00	Not Det	03/13/96	12:22	WD
Vinyl acetate	SW8260	10.0	Not Det	03/13/96	12:22	WD
Vinyl chloride	SW8260	10.0	Not Det	03/13/96	12:22	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/13/96	12:22	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	95	03/13/96	12:22	WD
sur-Toluene-d8 %R 88-110	SW8260	0	100	03/13/96	12:22	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/13/96	12:22	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000204

TEST DATA REPORT

03/19/96

Page 1

Station ID: A3

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
622-5030 Purge and Trap	SW5030		Done	03/11/96	11:39	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/11/96	11:39	WD
Acetone	SW8260	25000	Not Det	03/11/96	11:39	WD
Benzene	SW8260	12500	59700	03/11/96	11:39	WD
Bromodichloromethane	SW8260	12500	Not Det	03/11/96	11:39	WD
Bromoform	SW8260	12500	Not Det	03/11/96	11:39	WD
Bromomethane	SW8260	25000	Not Det	03/11/96	11:39	WD
2-Butanone	SW8260	25000	Not Det	03/11/96	11:39	WD
Carbon disulfide	SW8260	12500	Not Det	03/11/96	11:39	WD
Carbon tetrachloride	SW8260	12500	Not Det	03/11/96	11:39	WD
Chlorobenzene	SW8260	12500	Not Det	03/11/96	11:39	WD
Chloroethane	SW8260	25000	Not Det	03/11/96	11:39	WD
2-Chloroethyl vinyl ether	SW8260	25000	Not Det	03/11/96	11:39	WD
Chloroform	SW8260	12500	Not Det	03/11/96	11:39	WD
Chloromethane	SW8260	25000	Not Det	03/11/96	11:39	WD
Dibromochloromethane	SW8260	12500	Not Det	03/11/96	11:39	WD
1,1-Dichloroethane	SW8260	12500	Not Det	03/11/96	11:39	WD
1,2-Dichloroethane	SW8260	12500	57900	03/11/96	11:39	WD
1,1-Dichloroethene	SW8260	12500	Not Det	03/11/96	11:39	WD
cis-1,2-Dichloroethene	SW8260	12500	Not Det	03/11/96	11:39	WD
trans-1,2-Dichloroethene	SW8260	12500	Not Det	03/11/96	11:39	WD
1,2-Dichloropropane	SW8260	12500	Not Det	03/11/96	11:39	WD
cis-1,3-Dichloropropene	SW8260	12500	Not Det	03/11/96	11:39	WD
trans-1,3-Dichloropropene	SW8260	12500	Not Det	03/11/96	11:39	WD
Ethylbenzene	SW8260	12500	118000	03/11/96	11:39	WD
2-Hexanone	SW8260	25000	Not Det	03/11/96	11:39	WD
Methylene chloride	SW8260	12500	Not Det	03/11/96	11:39	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	25000	Not Det	03/11/96	11:39	WD
Styrene	SW8260	12500	131000	03/11/96	11:39	WD
1,1,2,2-Tetrachloroethane	SW8260	12500	Not Det	03/11/96	11:39	WD
Tetrachloroethene	SW8260	12500	Not Det	03/11/96	11:39	WD
Toluene	SW8260	12500	38800	03/11/96	11:39	WD
1,1,1-Trichloroethane	SW8260	12500	Not Det	03/11/96	11:39	WD
1,1,2-Trichloroethane	SW8260	12500	Not Det	03/11/96	11:39	WD
Trichloroethene	SW8260	12500	Not Det	03/11/96	11:39	WD
Vinyl acetate	SW8260	25000	Not Det	03/11/96	11:39	WD
Vinyl chloride	SW8260	25000	Not Det	03/11/96	11:39	WD
Xylenes (Total)	SW8260	12500	63600	03/11/96	11:39	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	93	03/11/96	11:39	WD
sur-Toluene-d8 %R 81-117	SW8260	0	97	03/11/96	11:39	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	101	03/11/96	11:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88129	Matrix: (soil/water)	Soil
SDG No. :	01B88124	Level: (low/med)	Low
Client ID :	A3	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Cyclohexane, methyl-	8.39	25000
Unknown Hydrocarbon	11.23	20000
Cyclohexene, 4-ethenyl-	12.70	30000
Benzene, (1-methylethyl)-	16.81	20000
Benzene, 1-propynyl-	18.96	37500
Benzofuran, 2-methyl-	19.96	275000
Benzene, (1-methyl-2-cyclopropen-1-yl)	20.43	25000
1H-Pyrazole,3,5-dimethyl-	14.37	2030
n-Propylbenzene	16.61	3720
1,3,5-Trimethylbenzene	16.99	8220
1,2,4-Trimethylbenzene	17.71	18900
Naphthalene	20.99	196000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

000207

03/19/96

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	10:22	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	10:22	WD
Benzene	SW8260	50.0	465	03/12/96	10:22	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/12/96	10:22	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/12/96	10:22	WD
Chlorobenzene	SW8260	50.0	Not Det	03/12/96	10:22	WD
Chloroform	SW8260	50.0	Not Det	03/12/96	10:22	WD
1,2-Dichloroethane	SW8260	50.0	872	03/12/96	10:22	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/12/96	10:22	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/12/96	10:22	WD
Trichloroethene	SW8260	50.0	Not Det	03/12/96	10:22	WD
Vinyl chloride	SW8260	100	Not Det	03/12/96	10:22	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	90	03/12/96	10:22	WD
sur-Toluene-d8 %R 88-110	SW8260	0	106	03/12/96	10:22	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	104	03/12/96	10:22	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000209

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	13:43	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	13:43	WD
Benzene	SW8260	5.00	15.8	03/12/96	13:43	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/12/96	13:43	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/12/96	13:43	WD
Chlorobenzene	SW8260	5.00	1.32 J	03/12/96	13:43	WD
Chloroform	SW8260	5.00	Not Det	03/12/96	13:43	WD
1,2-Dichloroethane	SW8260	5.00	1.68 J	03/12/96	13:43	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/12/96	13:43	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/12/96	13:43	WD
Trichloroethene	SW8260	5.00	Not Det	03/12/96	13:43	WD
Vinyl chloride	SW8260	10.0	Not Det	03/12/96	13:43	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	82	03/12/96	13:43	WD
sur-Toluene-d8 %R 88-110	SW8260	0	102	03/12/96	13:43	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	95	03/12/96	13:43	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000211

TEST DATA REPORT

03/19/96

Page 1

Station ID: A4

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	14:10	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	14:10	WD
Benzene	SW8260	5.00	47.3	03/12/96	14:10	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/12/96	14:10	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/12/96	14:10	WD
Chlorobenzene	SW8260	5.00	Not Det	03/12/96	14:10	WD
Chloroform	SW8260	5.00	Not Det	03/12/96	14:10	WD
1,2-Dichloroethane	SW8260	5.00	3.29 J	03/12/96	14:10	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/12/96	14:10	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/12/96	14:10	WD
Trichloroethene	SW8260	5.00	Not Det	03/12/96	14:10	WD
Vinyl chloride	SW8260	10.0	Not Det	03/12/96	14:10	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	85	03/12/96	14:10	WD
sur-Toluene-d8 %R 88-110	SW8260	0	105	03/12/96	14:10	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: A4

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	98	03/12/96	14:10	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: C1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	11:45	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	11:45	WD
Benzene	SW8260	50.0	222	03/12/96	11:45	WD
2-Butanone (MEK)	SW8260	100	Not Det	03/12/96	11:45	WD
Carbon tetrachloride	SW8260	50.0	Not Det	03/12/96	11:45	WD
Chlorobenzene	SW8260	50.0	Not Det	03/12/96	11:45	WD
Chloroform	SW8260	50.0	Not Det	03/12/96	11:45	WD
1,2-Dichloroethane	SW8260	50.0	238	03/12/96	11:45	WD
1,1-Dichloroethene	SW8260	50.0	Not Det	03/12/96	11:45	WD
Tetrachloroethene	SW8260	50.0	Not Det	03/12/96	11:45	WD
Trichloroethene	SW8260	50.0	Not Det	03/12/96	11:45	WD
Vinyl chloride	SW8260	100	Not Det	03/12/96	11:45	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	83	03/12/96	11:45	WD
sur-Toluene-d8 %R 88-110	SW8260	0	104	03/12/96	11:45	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: C1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/12/96	11:45	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86031

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/11/96	10:39	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/11/96	10:39	WD
Acetone	SW8260	25000	109000	03/11/96	10:39	WD
Benzene	SW8260	125000	198000	03/11/96	10:39	WD
Bromodichloromethane	SW8260	12500	128000	03/11/96	10:39	WD
Bromoform	SW8260	12500	138000	03/11/96	10:39	WD
Bromomethane	SW8260	25000	124000	03/11/96	10:39	WD
2-Butanone	SW8260	25000	133000	03/11/96	10:39	WD
Carbon disulfide	SW8260	12500	128000	03/11/96	10:39	WD
Carbon tetrachloride	SW8260	12500	129000	03/11/96	10:39	WD
Chlorobenzene	SW8260	12500	129000	03/11/96	10:39	WD
Chloroethane	SW8260	25000	128000	03/11/96	10:39	WD
2-Chloroethyl vinyl ether	SW8260	25000	Not Det	03/11/96	10:39	WD
Chloroform	SW8260	12500	133000	03/11/96	10:39	WD
Chloromethane	SW8260	25000	127000	03/11/96	10:39	WD
Dibromochloromethane	SW8260	12500	121000	03/11/96	10:39	WD
1,1-Dichloroethane	SW8260	12500	132000	03/11/96	10:39	WD
1,2-Dichloroethane	SW8260	12500	193000	03/11/96	10:39	WD
1,1-Dichloroethene	SW8260	12500	131000	03/11/96	10:39	WD
cis-1,2-Dichloroethene	SW8260	12500	129000	03/11/96	10:39	WD
trans-1,2-Dichloroethene	SW8260	12500	132000	03/11/96	10:39	WD
1,2-Dichloropropane	SW8260	12500	132000	03/11/96	10:39	WD
cis-1,3-Dichloropropene	SW8260	12500	116000	03/11/96	10:39	WD
trans-1,3-Dichloropropene	SW8260	12500	134000	03/11/96	10:39	WD
Ethylbenzene	SW8260	12500	263000	03/11/96	10:39	WD
2-Hexanone	SW8260	25000	140000	03/11/96	10:39	WD
Methylene chloride	SW8260	12500	113000	03/11/96	10:39	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: A3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86031

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	25000	145000	03/11/96	10:39	WD
Styrene	SW8260	12500	273000	03/11/96	10:39	WD
1,1,2,2-Tetrachloroethane	SW8260	12500	136000	03/11/96	10:39	WD
Tetrachloroethene	SW8260	12500	128000	03/11/96	10:39	WD
Toluene	SW8260	12500	170000	03/11/96	10:39	WD
1,1,1-Trichloroethane	SW8260	12500	126000	03/11/96	10:39	WD
1,1,2-Trichloroethane	SW8260	12500	147000	03/11/96	10:39	WD
Trichloroethene	SW8260	12500	130000	03/11/96	10:39	WD
Vinyl acetate	SW8260	25000	162000	03/11/96	10:39	WD
Vinyl chloride	SW8260	25000	127000	03/11/96	10:39	WD
Xylenes (Total)	SW8260	12500	468000	03/11/96	10:39	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	105	03/11/96	10:39	WD
sur-Toluene-d8 %R 81-117	SW8260	0	99	03/11/96	10:39	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	102	03/11/96	10:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/11/96	11:04	WD
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/11/96	11:04	WD
Acetone	SW8260	25000	151000	03/11/96	11:04	WD
Benzene	SW8260	12500	182000	03/11/96	11:04	WD
Bromodichloromethane	SW8260	12500	132000	03/11/96	11:04	WD
Bromoform	SW8260	12500	138000	03/11/96	11:04	WD
Bromomethane	SW8260	25000	113000	03/11/96	11:04	WD
2-Butanone	SW8260	25000	144000	03/11/96	11:04	WD
Carbon disulfide	SW8260	12500	113000	03/11/96	11:04	WD
Carbon tetrachloride	SW8260	12500	114000	03/11/96	11:04	WD
Chlorobenzene	SW8260	12500	120000	03/11/96	11:04	WD
Chloroethane	SW8260	25000	110000	03/11/96	11:04	WD
2-Chloroethyl vinyl ether	SW8260	25000	Not Det	03/11/96	11:04	WD
Chloroform	SW8260	12500	119000	03/11/96	11:04	WD
Chloromethane	SW8260	25000	106000	03/11/96	11:04	WD
Dibromochloromethane	SW8260	12500	118000	03/11/96	11:04	WD
1,1-Dichloroethane	SW8260	12500	118000	03/11/96	11:04	WD
1,2-Dichloroethane	SW8260	12500	189000	03/11/96	11:04	WD
1,1-Dichloroethene	SW8260	12500	119000	03/11/96	11:04	WD
cis-1,2-Dichloroethene	SW8260	12500	117000	03/11/96	11:04	WD
trans-1,2-Dichloroethene	SW8260	12500	112000	03/11/96	11:04	WD
1,2-Dichloropropane	SW8260	12500	127000	03/11/96	11:04	WD
cis-1,3-Dichloropropene	SW8260	12500	119000	03/11/96	11:04	WD
trans-1,3-Dichloropropene	SW8260	12500	138000	03/11/96	11:04	WD
Ethylbenzene	SW8260	12500	248000	03/11/96	11:04	WD
2-Hexanone	SW8260	25000	179000	03/11/96	11:04	WD
Methylene chloride	SW8260	12500	122000	03/11/96	11:04	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: A3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	25000	159000	03/11/96	11:04	WD
Styrene	SW8260	12500	267000	03/11/96	11:04	WD
1,1,2,2-Tetrachloroethane	SW8260	12500	142000	03/11/96	11:04	WD
Tetrachloroethene	SW8260	12500	122000	03/11/96	11:04	WD
Toluene	SW8260	12500	167000	03/11/96	11:04	WD
1,1,1-Trichloroethane	SW8260	12500	112000	03/11/96	11:04	WD
1,1,2-Trichloroethane	SW8260	12500	141000	03/11/96	11:04	WD
Trichloroethene	SW8260	12500	125000	03/11/96	11:04	WD
Vinyl acetate	SW8260	25000	145000	03/11/96	11:04	WD
Vinyl chloride	SW8260	25000	112000	03/11/96	11:04	WD
Xylenes (Total)	SW8260	12500	448000	03/11/96	11:04	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	104	03/11/96	11:04	WD
sur-Toluene-d8 %R 81-117	SW8260	0	102	03/11/96	11:04	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	103	03/11/96	11:04	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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03/19/96

Page 1

Station ID: VSB0789

BAILEY PROJECT GE3913

Lab ID: AA85978

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/11/96

Time Sampled: 09:40

Log In Date: 03/11/96

Log In Time: 09:40

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/11/96	09:40	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/11/96	09:40	WD
Acetone	SW8260	10.0	Not Det	03/11/96	09:40	WD
Benzene	SW8260	5.00	Not Det	03/11/96	09:40	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
Bromoform	SW8260	5.00	Not Det	03/11/96	09:40	WD
Bromomethane	SW8260	10.0	Not Det	03/11/96	09:40	WD
2-Butanone	SW8260	10.0	Not Det	03/11/96	09:40	WD
Carbon disulfide	SW8260	5.00	Not Det	03/11/96	09:40	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/11/96	09:40	WD
Chlorobenzene	SW8260	5.00	Not Det	03/11/96	09:40	WD
Chloroethane	SW8260	10.0	Not Det	03/11/96	09:40	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/11/96	09:40	WD
Chloroform	SW8260	5.00	Not Det	03/11/96	09:40	WD
Chloromethane	SW8260	10.0	Not Det	03/11/96	09:40	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/11/96	09:40	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/11/96	09:40	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/11/96	09:40	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/11/96	09:40	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/11/96	09:40	WD
Ethylbenzene	SW8260	5.00	Not Det	03/11/96	09:40	WD
2-Hexanone	SW8260	10.0	Not Det	03/11/96	09:40	WD
Methylene chloride	SW8260	5.00	Not Det	03/11/96	09:40	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: VSB0789

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85978

Collector:

Date Sampled: 03/11/96

Time Sampled: 09:40

Log In Date: 03/11/96

Log In Time: 09:40

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/11/96	09:40	WD
Styrene	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/11/96	09:40	WD
Toluene	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/11/96	09:40	WD
Trichloroethene	SW8260	5.00	Not Det	03/11/96	09:40	WD
Vinyl acetate	SW8260	10.0	Not Det	03/11/96	09:40	WD
Vinyl chloride	SW8260	10.0	Not Det	03/11/96	09:40	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/11/96	09:40	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	98	03/11/96	09:40	WD
sur-Toluene-d8 %R 81-117	SW8260	0	101	03/11/96	09:40	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	98	03/11/96	09:40	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENVIRONMENTAL NATIONAL LABORATORIES
VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA85978	Matrix: (soil/water)	Soil
SDG No. :	01B88124	Level: (low/med)	Low
Client ID :	VSB0789	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION

None Detected

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: VWB0791

BAILEY PROJECT GE3913

Lab ID: AA86011

Collector:

--- Project Information ---

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/13/96

Time Sampled: 07:39

Log In Date: 03/13/96

Log In Time: 09:39

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	07:39	MF
622-8260 5mL Volatiles W ug/L	SW8260		_TITLE_	03/13/96	07:39	WD
Acetone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Benzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromodichloromethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromoform	SW8260	5.00	Not Det	03/13/96	07:39	WD
Bromomethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
2-Butanone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Carbon disulfide	SW8260	5.00	Not Det	03/13/96	07:39	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chlorobenzene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chloroethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
2-Chloroethyl vinyl ether	SW8260	10.0	Not Det	03/13/96	07:39	WD
Chloroform	SW8260	5.00	Not Det	03/13/96	07:39	WD
Chloromethane	SW8260	10.0	Not Det	03/13/96	07:39	WD
Dibromochloromethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1-Dichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
cis-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
trans-1,2-Dichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,2-Dichloropropane	SW8260	5.00	Not Det	03/13/96	07:39	WD
cis-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	07:39	WD
trans-1,3-Dichloropropene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Ethylbenzene	SW8260	10.0	Not Det	03/13/96	07:39	WD
2-Hexanone	SW8260	5.00	Not Det	03/13/96	07:39	WD
Methylene chloride						

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 2

Station ID: VWB0791

BAILEY PROJECT GE3913

Lab ID: AA86011

Collector:

--- Project Information ---

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/13/96

Time Sampled: 07:39

Log In Date: 03/13/96

Log In Time: 09:39

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	Not Det	03/13/96	07:39	WD
Styrene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Toluene	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,1-Trichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
1,1,2-Trichloroethane	SW8260	5.00	Not Det	03/13/96	07:39	WD
Trichloroethene	SW8260	5.00	Not Det	03/13/96	07:39	WD
Vinyl acetate	SW8260	10.0	Not Det	03/13/96	07:39	WD
Vinyl chloride	SW8260	10.0	Not Det	03/13/96	07:39	WD
Xylenes (Total)	SW8260	5.00	Not Det	03/13/96	07:39	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	90	03/13/96	07:39	WD
sur-Toluene-d8 %R 88-110	SW8260	0	99	03/13/96	07:39	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	101	03/13/96	07:39	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: ZHESB8015

BAILEY PROJECT GE3913

Lab ID: AA85995

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/09/96

Time Sampled: 12:00

Log In Date: 03/09/96

Log In Time: 12:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-Zero Head Space Ext S	SW1311		Done	03/09/96	12:00	SC
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	12:14	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	12:14	WD
Benzene	SW8260	5.00	Not Det	03/12/96	12:14	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/12/96	12:14	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/12/96	12:14	WD
Chlorobenzene	SW8260	5.00	Not Det	03/12/96	12:14	WD
Chloroform	SW8260	5.00	Not Det	03/12/96	12:14	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/12/96	12:14	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/12/96	12:14	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/12/96	12:14	WD
Trichloroethene	SW8260	10.0	Not Det	03/12/96	12:14	WD
Vinyl chloride	SW8260	0	81	03/12/96	12:14	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	104	03/12/96	12:14	WD
sur-Toluene-d8 %R 88-110						

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: ZHESB8015

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85995

Collector:

Date Sampled: 03/09/96

Time Sampled: 12:00

Log In Date: 03/09/96

Log In Time: 12:00

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-Bromofluorobenzene %R 86-115	SW8260	0	96	03/12/96	12:14	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWB0790

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85990

Collector:

Date Sampled: 03/12/96

Time Sampled: 08:02

Log In Date: 03/12/96

Log In Time: 08:02

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	08:02	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	08:02	WD
Benzene	SW8260	5.00	Not Det	03/12/96	08:02	WD
2-Butanone (MEK)	SW8260	10.0	Not Det	03/12/96	08:02	WD
Carbon tetrachloride	SW8260	5.00	Not Det	03/12/96	08:02	WD
Chlorobenzene	SW8260	5.00	Not Det	03/12/96	08:02	WD
Chloroform	SW8260	5.00	Not Det	03/12/96	08:02	WD
1,2-Dichloroethane	SW8260	5.00	Not Det	03/12/96	08:02	WD
1,1-Dichloroethene	SW8260	5.00	Not Det	03/12/96	08:02	WD
Tetrachloroethene	SW8260	5.00	Not Det	03/12/96	08:02	WD
Trichloroethene	SW8260	5.00	Not Det	03/12/96	08:02	WD
Vinyl chloride	SW8260	10.0	Not Det	03/12/96	08:02	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	86	03/12/96	08:02	WD
sur-Toluene-d8 %R 88-110	SW8260	0	106	03/12/96	08:02	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	99	03/12/96	08:02	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID :VSB0789

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : MED
Batch Prep Date : 3/11/96
SDGs Included : 01B88124

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
VSB0789	AA85978	3/11/96	SQ	LB
VSL0789	AA85979	3/11/96	SQ	BS
A3 MS	AA86031	3/7/96	SQ	MS
A3 MSD	AA86032	3/7/96	SQ	SD
A3	AA88129	3/7/96	SO	N

LCS : SW8260
initial
Extraction Method : SW5030
Matrix : SQ
Units : ug/Kg

Sample Name : VSL0789
LIMS Sample ID : AA85979
Date of Extraction : 3/11/96
Time of Extraction : 10:09
Date of Analysis : 3/11/96
Time of Analysis : 10:09

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1,1-Trichloroethane	50	48.7	97		69	127	PR
1,1,2,2-Tetrachloroethane	50	49.2	98		73	118	PR
1,1,2-Trichloroethane	50	54.8	110		78	135	PR
1,1-Dichloroethane	50	49.1	98		74	125	PR
1,1-Dichloroethene	50	49	98		69	122	PR
1,2-Dichloroethane	50	49	98		71	124	PR
1,2-Dichloropropane	50	49	98		70	126	PR
2-Butanone	50	50.6	101		35	207	PR
2-Chloroethyl vinyl ether	50	44	88		0	192	PR
2-Hexanone	50	51.5	103		57	156	PR
4-Methyl-2-pentanone	50	48.2	96		67	148	PR
Acetone	50	62.8	126		34	221	PR
Benzene	50	49.6	99		68	124	PR
Bromodichloromethane	50	49.2	98		68	124	PR
Bromoform	50	48	96		71	131	PR
Bromomethane	50	48.9	98		67	124	PR
Carbon disulfide	50	48.4	97		63	133	PR
Carbon tetrachloride	50	48.4	97		62	109	PR
Chlorobenzene	50	48.2	96		73	127	PR
Chloroethane	50	48.6	97		71	116	PR
Chloroform	50	49.6	99		63	117	PR
Chloromethane	50	48.6	97		65	121	PR
Dibromochloromethane	50	47.8	96		64	120	PR
Ethylbenzene	50	48.4	97		72	125	PR
Methylene chloride	50	51	102		67	124	PR
Styrene	50	48.3	97		72	123	PR
Tetrachloroethene	50	49.8	100		66	116	PR
Toluene	50	48.2	96		73	122	PR
Trichloroethene	50	49.6	99		76	117	PR
Vinyl acetate	50	49.2	98		3	175	PR
Vinyl chloride	50	48.2	96		69	127	PR
Xylenes (Total)	150	147	98		71	123	PR
cis-1,2-Dichloroethene	50	48.1	96		71	131	PR
cis-1,3-Dichloropropene	50	44.7	89		53	149	PR
trans-1,2-Dichloroethene	50	49	98		69	120	PR
trans-1,3-Dichloropropene	50	51.6	103		48	158	PR

3 - 8260

VOLATILE
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LEESNL-P Case No.: SDG NO.: 01B88124

Sample No.: A3/AA88129 Level:(low/med) MED

A3MS/AA86031 COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC. #	QC LIMITS REC.
Benzene	125000	59700	198000	111	68 - 124
Chlorobenzene	125000	0	129000	103	73 - 127
Chloroform	125000	0	133000	106	63 - 117
Dibromochloromethane	125000	0	121000	97	64 - 120
1,1-Dichloroethene	125000	0	131000	105	69 - 122
Ethylbenzene	125000	118000	263000	116	72 - 125
Tetrachloroethene	125000	0	128000	102	66 - 116
Toluene	125000	38800	170000	105	73 - 122
1,1,1-Trichloroethane	125000	0	126000	101	69 - 127
Trichloroethene	125000	0	130000	104	76 - 117

A3MSD/AA86032 COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC. #	% RPD #	RPD	QC LIMITS REC.
Benzene	125000	182000	98	12	40	68 - 124
Chlorobenzene	125000	120000	96	7	40	73 - 127
Chloroform	125000	119000	95	11	40	63 - 117
Dibromochloromethane	125000	118000	94	3	40	64 - 120
1,1-Dichloroethene	125000	119000	95	10	40	69 - 122
Ethylbenzene	125000	248000	104	11	40	72 - 125
Tetrachloroethene	125000	122000	98	5	40	66 - 116
Toluene	125000	167000	103	2	40	73 - 122
1,1,1-Trichloroethane	125000	112000	90	12	40	69 - 127
Trichloroethene	125000	125000	100	4	40	76 - 117

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : VWB0791

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/13/96
SDGs Included : 01B88124 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
VWB0791	AA86011	3/13/96	WQ	LB
VWL0791	AA86012	3/13/96	WQ	BS
G-PB-FB1	AA88127	3/6/96	WQ	EB
TB	AA88128	3/6/96	WQ	TB

LCS : SW8260
initial
Extraction Method : SW5030
Matrix : WQ
Units : ug/L

Sample Name : VWL0791
LIMS Sample ID : AA86012
Date of Extraction : 3/13/96
Time of Extraction : 08:06
Date of Analysis : 3/13/96
Time of Analysis : 08:06

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1,1-Trichloroethane	50	48.8	98		69	127	PR
1,1,2,2-Tetrachloroethane	50	50.7	101		73	118	PR
1,1,2-Trichloroethane	50	50.4	101		78	135	PR
1,1-Dichloroethane	50	49.7	99		74	125	PR
1,1-Dichloroethene	50	49.9	100		69	122	PR
1,2-Dichloroethane	50	49	98		71	124	PR
1,2-Dichloropropane	50	50.1	100		70	126	PR
2-Butanone	50	50.7	101		35	207	PR
2-Chloroethyl vinyl ether	50	7.11	14		0	192	PR
2-Hexanone	50	54.7	109		57	156	PR
4-Methyl-2-pentanone	50	53.3	107		67	148	PR
Acetone	50	51.3	103		34	221	PR
Benzene	50	49.2	98		68	124	PR
Bromodichloromethane	50	51.3	103		68	124	PR
Bromoform	50	49.3	99		71	131	PR
Bromomethane	50	50.6	101		67	124	PR
Carbon disulfide	50	49.5	99		63	133	PR
Carbon tetrachloride	50	46.2	92		62	109	PR
Chlorobenzene	50	49.4	99		73	127	PR
Chloroethane	50	48.3	97		71	116	PR
Chloroform	50	50.5	101		63	117	PR
Chloromethane	50	52.4	105		65	121	PR
Dibromochloromethane	50	47.9	96		64	120	PR
Ethylbenzene	50	49.3	99		72	125	PR
Methylene chloride	50	53.1	106		67	124	PR
Styrene	50	49.4	99		72	123	PR
Tetrachloroethene	50	49.6	99		66	116	PR
Toluene	50	48.6	97		73	122	PR
Trichloroethene	50	50.5	101		78	117	PR
Vinyl acetate	50	51.8	104		3	175	PR
Vinyl chloride	50	51.4	103		69	127	PR
Xylenes (Total)	150	153	102		71	123	PR
cis-1,2-Dichloroethene	50	49.6	99		71	131	PR
cis-1,3-Dichloropropene	50	44.4	89		53	149	PR
trans-1,2-Dichloroethene	50	49.2	98		69	120	PR
trans-1,3-Dichloropropene	50	52.1	104		48	158	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID: ZHESB8015

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date: 03/09/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : VWB0790

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/12/96
SDGs Included : 01B88124 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
VWB0790	AA85990	3/12/96	WQ	LB
VWL0790	AA85991	3/12/96	WQ	BS
ZHESB8015	AA85995	3/9/96	SQ	LB
AB1 MS	AA86033	3/7/96	SQ	MS
AB1 MSD	AA86034	3/7/96	SQ	SD
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

MSD : SW8260
initial
Extraction : SW5030
Matrix : SQ
Units : ug/L
Neat Sample : AA88130

MS Sample Name : AB1 MS
MS LIMS ID : AA86033
MS Extraction : 3/12/96
MS Extraction : 12:47
MS Analysis : 3/12/96
MS Analysis : 12:47

MSD Sample Name : AB1 MSD
MSD LIMS ID : AA86034
MSD Extraction : 3/12/96
MSD Extraction : 13:15
MSD Analysis : 3/12/96
MSD Analysis : 13:15

Analyte	Original Conc	MS Spike	MS Conc.	MS %	*	MSD Spike	MSD Conc.	MSD %	*	RPD	*	LCL	UCL	RPD CL	RC
1,1-Dichloroethene	0	50	46.2	92		50	45.6	91		1		69	122	40	PR
Benzene	15.8	50	64.2	97		50	61.9	92		5		68	124	40	PR
Chlorobenzene	1.32	50	53.4	104		50	55.2	108		4		73	127	40	PR
Chloroform	0	50	48	96		50	45.3	91		6		63	117	40	PR
Tetrachloroethene	0	50	52.6	105		50	53	106		1		66	116	40	PR
Trichloroethene	0	50	56.4	113		50	56.8	114		1		76	117	40	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8260
Initial
Extraction Method : SW5030
Matrix : WQ
Units : ug/L

Sample Name : VWL0790
LIMS Sample ID : AA85991
Date of Extraction : 3/12/96
Time of Extraction : 08:31
Date of Analysis : 3/12/96
Time of Analysis : 08:31

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,1-Dichloroethene	50	47.8	96		69	122	PR
1,2-Dichloroethane	50	45.6	91		71	124	PR
2-Butanone (MEK)	50	47.3	95		35	207	PR
Benzene	50	47.4	95		68	124	PR
Carbon tetrachloride	50	47.3	95		62	109	PR
Chlorobenzene	50	52.2	104		73	127	PR
Chloroform	50	48	96		63	117	PR
Tetrachloroethene	50	52.4	105		66	116	PR
Trichloroethene	50	55	110		76	117	PR
Vinyl chloride	50	48.2	96		69	127	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: VSL0789

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85979

Collector:

Date Sampled: 03/11/96

Time Sampled: 10:09

Log In Date: 03/11/96

Log In Time: 10:09

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/11/96	10:09	MF
622-8260 5mL Volatiles S ug/Kg	SW8260		_TITLE_	03/11/96	10:09	WD
Acetone	SW8260	10.0	62.8	03/11/96	10:09	WD
Benzene	SW8260	5.00	49.6	03/11/96	10:09	WD
Bromodichloromethane	SW8260	5.00	49.2	03/11/96	10:09	WD
Bromoform	SW8260	5.00	48.0	03/11/96	10:09	WD
Bromomethane	SW8260	10.0	48.9	03/11/96	10:09	WD
2-Butanone	SW8260	10.0	50.6	03/11/96	10:09	WD
Carbon disulfide	SW8260	5.00	48.4	03/11/96	10:09	WD
Carbon tetrachloride	SW8260	5.00	48.4	03/11/96	10:09	WD
Chlorobenzene	SW8260	5.00	48.2	03/11/96	10:09	WD
Chloroethane	SW8260	10.0	48.6	03/11/96	10:09	WD
2-Chloroethyl vinyl ether	SW8260	10.0	44.0	03/11/96	10:09	WD
Chloroform	SW8260	5.00	49.6	03/11/96	10:09	WD
Chloromethane	SW8260	10.0	48.6	03/11/96	10:09	WD
Dibromochloromethane	SW8260	5.00	47.8	03/11/96	10:09	WD
1,1-Dichloroethane	SW8260	5.00	49.1	03/11/96	10:09	WD
1,2-Dichloroethane	SW8260	5.00	49.0	03/11/96	10:09	WD
1,1-Dichloroethene	SW8260	5.00	49.0	03/11/96	10:09	WD
cis-1,2-Dichloroethene	SW8260	5.00	48.1	03/11/96	10:09	WD
trans-1,2-Dichloroethene	SW8260	5.00	49.0	03/11/96	10:09	WD
1,2-Dichloropropane	SW8260	5.00	49.0	03/11/96	10:09	WD
cis-1,3-Dichloropropene	SW8260	5.00	44.7	03/11/96	10:09	WD
trans-1,3-Dichloropropene	SW8260	5.00	51.6	03/11/96	10:09	WD
Ethylbenzene	SW8260	5.00	48.4	03/11/96	10:09	WD
2-Hexanone	SW8260	10.0	51.5	03/11/96	10:09	WD
Methylene chloride	SW8260	5.00	51.0	03/11/96	10:09	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: VSL0789

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85979

Collector:

Date Sampled: 03/11/96

Time Sampled: 10:09

Log In Date: 03/11/96

Log In Time: 10:09

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	48.2	03/11/96	10:09	WD
Styrene	SW8260	5.00	48.3	03/11/96	10:09	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	49.2	03/11/96	10:09	WD
Tetrachloroethene	SW8260	5.00	49.8	03/11/96	10:09	WD
Toluene	SW8260	5.00	48.2	03/11/96	10:09	WD
1,1,1-Trichloroethane	SW8260	5.00	48.7	03/11/96	10:09	WD
1,1,2-Trichloroethane	SW8260	5.00	54.8	03/11/96	10:09	WD
Trichloroethene	SW8260	5.00	49.6	03/11/96	10:09	WD
Vinyl acetate	SW8260	10.0	49.2	03/11/96	10:09	WD
Vinyl chloride	SW8260	10.0	48.2	03/11/96	10:09	WD
Xylenes (Total)	SW8260	5.00	147	03/11/96	10:09	WD
sur-1,2-Dichloroethane-d4 %R 70-121	SW8260	0	102	03/11/96	10:09	WD
sur-Toluene-d8 %R 81-117	SW8260	0	102	03/11/96	10:09	WD
sur-Bromofluorobenzene %R 74-121	SW8260	0	102	03/11/96	10:09	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Page 1

--- Project Information ---

Station ID: VWL0791

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86012

Collector:

Date Sampled: 03/13/96

Time Sampled: 08:06

Log In Date: 03/13/96

Log In Time: 08:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 Purge and Trap	SW5030		Done	03/13/96	08:06	MF
622-8260 5mL Volatiles W ug/L	SW8260		_TITLE_	03/13/96	08:06	WD
Acetone	SW8260	10.0	51.3	03/13/96	08:06	WD
Benzene	SW8260	5.00	49.2	03/13/96	08:06	WD
Bromodichloromethane	SW8260	5.00	51.3	03/13/96	08:06	WD
Bromoform	SW8260	5.00	49.3	03/13/96	08:06	WD
Bromomethane	SW8260	10.0	50.6	03/13/96	08:06	WD
2-Butanone	SW8260	10.0	50.7	03/13/96	08:06	WD
Carbon disulfide	SW8260	5.00	49.5	03/13/96	08:06	WD
Carbon tetrachloride	SW8260	5.00	46.2	03/13/96	08:06	WD
Chlorobenzene	SW8260	5.00	49.4	03/13/96	08:06	WD
Chloroethane	SW8260	10.0	48.3	03/13/96	08:06	WD
2-Chloroethyl vinyl ether	SW8260	10.0	7.11 J	03/13/96	08:06	WD
Chloroform	SW8260	5.00	50.5	03/13/96	08:06	WD
Chloromethane	SW8260	10.0	52.4	03/13/96	08:06	WD
Dibromochloromethane	SW8260	5.00	47.9	03/13/96	08:06	WD
1,1-Dichloroethane	SW8260	5.00	49.7	03/13/96	08:06	WD
1,2-Dichloroethane	SW8260	5.00	49.0	03/13/96	08:06	WD
1,1-Dichloroethene	SW8260	5.00	49.9	03/13/96	08:06	WD
cis-1,2-Dichloroethene	SW8260	5.00	49.6	03/13/96	08:06	WD
trans-1,2-Dichloroethene	SW8260	5.00	49.2	03/13/96	08:06	WD
1,2-Dichloropropane	SW8260	5.00	50.1	03/13/96	08:06	WD
cis-1,3-Dichloropropene	SW8260	5.00	44.4	03/13/96	08:06	WD
trans-1,3-Dichloropropene	SW8260	5.00	52.1	03/13/96	08:06	WD
Ethylbenzene	SW8260	5.00	49.3	03/13/96	08:06	WD
2-Hexanone	SW8260	10.0	54.7	03/13/96	08:06	WD
Methylene chloride	SW8260	5.00	53.1	03/13/96	08:06	WD

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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--- Project Information ---

Station ID: VWL0791

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86012

Collector:

Date Sampled: 03/13/96

Time Sampled: 08:06

Log In Date: 03/13/96

Log In Time: 08:06

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
4-Methyl-2-pentanone	SW8260	10.0	53.3	03/13/96	08:06	WD
Styrene	SW8260	5.00	49.4	03/13/96	08:06	WD
1,1,2,2-Tetrachloroethane	SW8260	5.00	50.7	03/13/96	08:06	WD
Tetrachloroethene	SW8260	5.00	49.6	03/13/96	08:06	WD
Toluene	SW8260	5.00	48.6	03/13/96	08:06	WD
1,1,1-Trichloroethane	SW8260	5.00	48.8	03/13/96	08:06	WD
1,1,2-Trichloroethane	SW8260	5.00	50.4	03/13/96	08:06	WD
Trichloroethene	SW8260	5.00	50.5	03/13/96	08:06	WD
Vinyl acetate	SW8260	10.0	51.8	03/13/96	08:06	WD
Vinyl chloride	SW8260	10.0	51.4	03/13/96	08:06	WD
Xylenes (Total)	SW8260	5.00	153	03/13/96	08:06	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	91	03/13/96	08:06	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/13/96	08:06	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	100	03/13/96	08:06	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: VWL0790

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85991

Collector:

Date Sampled: 03/12/96

Time Sampled: 08:31

Log In Date: 03/12/96

Log In Time: 08:31

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
622-5030 TCLP Purge and Trap	SW5030		Done	03/12/96	08:31	MF
622-8260 5mL Volatiles TCLP ug/L	SW8260		_TITLE_	03/12/96	08:31	WD
Benzene	SW8260	5.00	47.4	03/12/96	08:31	WD
2-Butanone (MEK)	SW8260	10.0	47.3	03/12/96	08:31	WD
Carbon tetrachloride	SW8260	5.00	47.3	03/12/96	08:31	WD
Chlorobenzene	SW8260	5.00	52.2	03/12/96	08:31	WD
Chloroform	SW8260	5.00	48.0	03/12/96	08:31	WD
1,2-Dichloroethane	SW8260	5.00	45.6	03/12/96	08:31	WD
1,1-Dichloroethene	SW8260	5.00	47.8	03/12/96	08:31	WD
Tetrachloroethene	SW8260	5.00	52.4	03/12/96	08:31	WD
Trichloroethene	SW8260	5.00	55.0	03/12/96	08:31	WD
Vinyl chloride	SW8260	10.0	48.2	03/12/96	08:31	WD
sur-1,2-Dichloroethane-d4 %R 76-114	SW8260	0	86	03/12/96	08:31	WD
sur-Toluene-d8 %R 88-110	SW8260	0	101	03/12/96	08:31	WD
sur-Bromofluorobenzene %R 86-115	SW8260	0	98	03/12/96	08:31	WD

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 01B88124

Lab File ID (Standard): 34414

Date Analyzed: 03/11/96

Instrument ID: VOA-1

Time Analyzed: 09:12

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	56136		5.15		355213		7.52		275512		13.57	
	UPPER LIMIT	112272		5.65		710426		8.02		551024		14.07	
	LOWER LIMIT	28068		4.65		177607		7.02		137756		13.07	
	EPA SAMPLE NO												
1	VSB0789	60579		5.19		367756		7.55		283426		13.57	
2	VSL0789	58203		5.13		370258		7.52		290214		13.56	
3	A3	61621		5.17		369775		7.53		283734		13.57	
4	A3 MS	56441		5.15		363463		7.54		271158		13.56	
5	A3 MSD	61160		5.18		368520		7.52		292250		13.57	
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vis34414

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 01B88124

Lab File ID (Standard): 34446

Date Analyzed: 03/13/96

Instrument ID: VOA-1

Time Analyzed: 07:11

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	52276		5.16		326947		7.51		263623		13.55	
	UPPER LIMIT	104552		5.66		653894		8.01		527246		14.05	
	LOWER LIMIT	26138		4.66		163474		7.01		131812		13.05	
	EPA SAMPLE NO												
1	VWB0791	55068		5.15		314694		7.53		248853		13.55	
2	VWL0791	52022		5.16		325904		7.52		258636		13.56	
3	G-PB-FB1	58039		5.15		329407		7.54		258098		13.55	
4	TB	53954		5.16		317649		7.52		252805		13.56	
5													
6													
7													
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18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vis34446

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc.

Contract No.: GE-3913

Lab Code: LENL-P

SDG NO.: 01B88124

Lab File ID (Standard): 34423

Date Analyzed: 03/12/96

Instrument ID: VOA-1

Time Analyzed: 07:35

		IS1 (BCB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	44358		5.15		312189		7.53		241525		13.57	
	UPPER LIMIT	88716		5.65		624378		8.03		483050		14.07	
	LOWER LIMIT	22179		4.65		156095		7.03		120763		13.07	
	EPA SAMPLE NO												
1	WB0790	52416		5.17		297562		7.54		236564		13.56	
2	WL0790	50250		5.15		314033		7.49		241833		13.56	
3	A1	51825		5.14		317152		7.50		249310		13.55	
4	A2	51816		5.17		304091		7.53		252777		13.55	
5	A2D	51461		5.16		301642		7.53		253222		13.55	
6	A3	52812		5.14		314077		7.55		251331		13.55	
7	AB1	56834		5.17		333843		7.53		271047		13.55	
8	A4	57142		5.17		337820		7.52		275220		13.56	
9	C1	57646		5.17		335914		7.52		268690		13.55	
10	ZHEBLK8015	54702		5.15		334755		7.53		273644		13.56	
11	AB1 MS	53811		5.16		323758		7.51		264459		13.57	
12	AB1 MSD	55389		5.17		323026		7.54		256839		13.57	
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (CCB) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

vis34423

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Page 1 of 1

Client: Bailey Site - Pit B

Case: 000241

Form Initiated 03/08/96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
04	S	CM	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	8050A	SR	3-11-96	0800	SR	3-11-96	[illegible]	Y-S
04	S	JRU	9010	SR	3/13/96	[illegible]	SR	3/13/96	17[illegible]	Y-S
04	S	KLU	8240	SR	3/19/96	12:00	GCMS	3/19/96	12:05	Y-S
01-07	S	R	①	SR	3/11/96	0800	SR	3/11/96	1700	S-Y

Matrix: Soil

SAMPLES CONSTITUTING THIS BATCH

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

① Ignitibility, Paint Filter, Ph, Moisture, ZHE, TCLP

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM OPRep ZHE
LEESNL-PENSACOLA, FL

Page 1 of CCC242

Client: Bailey

Case: GE-3913

Form Initiated 3 / 11 / 96

SDG: AA88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No:
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-07	X	JC	1311	—	—		O-Prep	3/11/96	0930	X-Y
01-07	X	[illegible]	8240L	O-Prep	3/11/96	9:30	GC/MS	3/11/96	09:30	

SAMPLES CONSTITUTING THIS BATCH

Matrix:

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

Page 1 of [illegible]

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3 / 8 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01-02	S	[illegible]	8240	SR	3/8/96	12:00	LC/HJ	3/8/96	12:00	
01	S	CM	7470A	SR	3-12-96	0800	SR	3-8-96	1700	Y-S
01	S	DK	[illegible]	SR	3-11-96	0800	SR	3-11-96	1700	[illegible]
01	S	SR	8270	SR	3/10/96	0800	CONSUMED			

Matrix: Water

SAMPLES CONSTITUTING THIS BATCH

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

8240 7470 7060 DK

ZHE PREP SHEET

LENL-Pensacola, FL

DV:031894

Run Log # GC-8015

Bailey SDG 88124

Page 1 of 1

Technician: SL

Extraction Information:

Begin Date: 3 / 9 / 96 Time: 1200

End Date: 3 / 11 / 96 Time: 0830

Fluid #1 Ref: pH= 4.94

Sample ID	Pressure(psi) B	Pressure(psi) A	Wgt. of Sample Extr.	Wgt. of Fluid	Amount of Fluid Collected	Final pH	Comments
BLK - 8015	30	30	—	200g	120 mL	5	AA 85999
88124	30	30	10.02			5	
88125	30	30	10.50			5	
88126	30	30	10.40			5	
88129	30	30	10.05			5	
88130	30	30	10.00			5	
88131	30	30	10.10			6	
88132	30	30	10.50	200g	120mL	5	

000244

VAFIW2

000245

LENZ Laboratories, Inc. DV:0051404

Operator WIB Date 12 / 7 / 95 Client(s) CURVE SDG: _____

GC Program CRYO1 _____ 35 HOLD 6 MIN.: THEN 7/MIN TO 115; HOLD 0 MIN.: THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID1AFW, ID1CLW SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP 33 Acquisition Cm: D4 STDS: ISSS* VSTD*

OVM/S

Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
2	> 33992		BFB	2	5ul/50ng BFB	Daily Tune Scan # 377 Area = 112 K		✓	Time 7:50
3	>		Cont. Calib.	3	50 PPB	VS.			
4	> 33993			4	4			✓	✓
5	> 33994			5	10			✓	✓
6	> 33995			6	20	VAFIW2		✓	✓
7	> 33996			7	50	VOAIW1		✓	✓
8	> 33997			8	100			✓	✓
9	> 33998			9	150			✓	✓
10	> 33999			10	200			✓	✓
11	> 34000			11					
12	>								
13	>								
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30	>								

SIGNED Walter L. Cry COSIGNED [illegible] Chevington

_____ ARCHIVED _____ TIC's _____ EXTENDED REPORTS

000765

VAFIW2

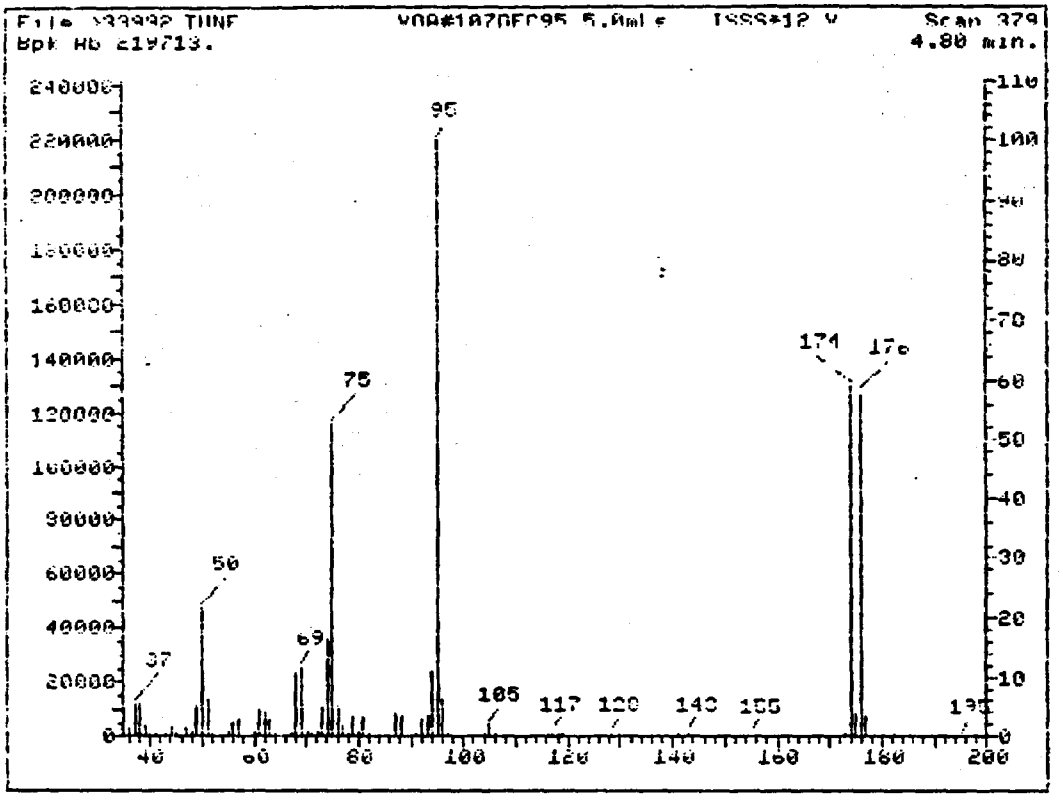
C00248

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	21.55	21.55	Ok
75	30-60% of mass 95	52.69	52.69	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.24	6.24	Ok
173	Less than 2% of mass 174	.56	.95	Ok
174	Greater than 50% of mass 95	59.00	59.00	Ok
175	5-9% of mass 174	4.11	6.97	Ok
176	95-101% of mass 174	57.93	98.18	Ok
177	5-9% of mass 176	3.63	6.26	Ok

Injection Date: 12/07/95
Injection Time: 07:50
Data File: >33992
Scan: 379

:RU.AL..1



VAFIWZ 000247

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE W

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

VAFIWZ

Contract No:

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Laboratory ID:	>33993	>33994	>33995	>33996	>33997	>33998	>33999						
Compound	RF 4.00	RF 10.00	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
Dichlorodifluoromethane	2.11468	2.31273	2.47780	2.46919	2.33219	2.53379	2.36336	.337	2.37195	5.918	.998757		
Chloromethane	1.03359	1.58784	1.47759	1.56106	1.46862	1.50970	1.39046	.309	1.43269	13.085	.998345		**
Vinyl Chloride	1.29069	1.62762	1.53713	1.45532	1.39960	1.48444	1.35015	.334	1.44928	7.879	.998092	*	
Bromomethane	1.00253	1.26002	1.31306	1.32557	1.25964	1.33910	1.24253	.373	1.24892	9.194	.998733		
Chloroethane	.69298	1.26073	1.34775	1.31853	1.25655	1.30361	1.18738	.392	1.19536	19.033	.997941		
Trichlorofluoromethane	4.48812	4.46520	3.87480	3.78158	3.46693	3.78206	3.55424	.418	3.91613	10.421	.998828		
Acetone	.91455	.72762	.49056	.50632	.47865	.48763	.39677	.503	.57173	31.857	.989948		
Carbon Disulfide	6.56886	6.10534	5.30560	4.97048	4.71196	5.06262	4.69366	.526	5.34550	13.495	.998710		
1,1-Dichloroethene	1.90579	1.94408	1.81035	1.74615	1.66286	1.77044	1.66231	.489	1.78571	6.124	.999087	*	
Methylene Chloride	1.73160	1.75798	1.56266	1.56065	1.55416	1.60782	1.51822	.582	1.61330	5.816	.999324		
trans-1,2-Dichloroethene	2.49368	2.26856	1.99128	1.87396	1.78708	1.93368	1.82811	.640	2.02519	12.855	.999057		
1,1-Dichloroethane	4.23843	4.12426	3.79765	3.58289	3.42651	3.67399	3.45465	.741	3.75680	8.462	.999065		**
Vinyl Acetate	4.95043	4.40634	3.89275	3.48608	3.45504	3.43530	3.13201	.767	3.82256	16.863	.998045		
cis-1,2-Dichloroethene	2.22832	2.50812	2.06500	2.06842	1.93448	2.04063	1.94989	.916	2.11355	9.412	.999419		
2,2-Dichloropropane	4.40489	3.86908	3.51449	3.34350	3.17751	3.33848	3.03101	.912	3.52556	13.330	.998107		
2-Butanone	1.18662	.82185	.74878	.65363	.63327	.56819	.52850	.937	.73441	30.403	.996549		
Chloroform	5.61431	5.11510	4.40992	4.30335	4.06777	4.27197	4.02547	1.043	4.54399	13.073	.999247	*	
1,1,1-Trichloroethane	5.35832	5.07122	4.27277	4.16779	3.93100	4.22462	3.95580	1.098	4.42593	12.655	.998942		
1,1-Dichloropropene	4.03854	3.86509	3.40196	3.33289	3.12837	3.35156	3.12368	1.178	3.46316	10.230	.998860		
Carbon Tetrachloride	2.90325	2.99061	3.37324	3.31110	3.35718	3.61531	3.41997	1.167	3.28152	7.601	.999136		
Benzene	7.29975	6.95872	5.90980	5.85237	5.60773	6.01845	5.64830	1.259	6.18387	10.806	.999049		
1,2-Dichloroethane-d4	2.24363	2.24824	2.27850	2.35429	2.42458	2.58388	2.52632	1.245	2.37991	5.737	-		
1,2-Dichloroethane	2.81778	3.01072	2.26971	2.59875	2.51994	2.63116	2.50164	1.277	2.62139	9.069	.999324		
Trichloroethene	.51006	.49815	.44148	.41357	.40216	.41615	.40906	1.068	.44152	10.101	.999828		
1,2-Dichloropropane	.42735	.38051	.35263	.34372	.33822	.33942	.34088	1.128	.36039	9.159	.999978	*	
Bromodichloromethane	.81044	.77529	.65372	.63074	.61044	.63055	.64066	1.223	.67883	11.728	.999642		
Dibromomethane	.22252	.30029	.25848	.25340	.25740	.25965	.25668	1.165	.25835	8.759	.999921		
2-Chloroethyl vinyl ether	-	.05537	.10751	.11418	.09751	.11437	.12451	1.327	.10224	24.087	.994459		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE W

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

Contract No:

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Compound	>33993 RF 4.00	>33994 RF 10.00	>33995 RF 20.00	>33996 RF 50.00	>33997 RF 100.00	>33998 RF 150.00	>33999 RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
cis-1,3-Dichloropropene	.65265	.62610	.55290	.52844	.51690	.52654	.53471	1.351	.56261	9.618	.999796		
trans-1,3-Dichloropropene	.58803	.47750	.43054	.40124	.39848	.40288	.40776	1.515	.43235	10.863	.999866		
Dibromochloromethane	.54640	.51272	.46137	.44079	.44140	.45027	.46176	1.661	.47353	8.525	.999646		
1,1,2-Trichloroethane	.17667	.24896	.23321	.22392	.22484	.22543	.22335	1.560	.22234	9.942	.999950		
Tetrachloroethene	.49008	.44587	.39358	.38312	.37457	.39379	.40451	1.585	.41222	10.005	.999268		
Toluene	.91351	.80242	.69232	.65744	.62990	.66386	.65110	1.436	.71579	14.520	.999656	*	
Toluene-d8	1.04722	1.04401	1.05236	1.05746	1.05469	1.05953	1.05634	1.418	1.05309	.536	-		
4-Methyl-2-pentanone	.45384	.39103	.35896	.31157	.31377	.29096	.28393	1.412	.34344	17.983	.999129		
2-Hexanone	.37681	.30127	.29058	.27068	.25252	.23597	.22791	1.648	.27939	18.150	.998776		
1,3-Dichloropropane	.52619	.52311	.46046	.43298	.42780	.42229	.42697	1.600	.45997	9.980	.999944		
1,2-Dibromoethane	.30942	.35686	.32321	.32172	.32881	.32956	.33064	1.678	.32860	4.389	.999964		
Chlorobenzene	1.23853	1.15349	.98190	.94009	.94029	.94966	.95746	1.003	1.02306	11.875	.999887		**
1,1,1,2-Tetrachloroethane	.51149	.52131	.45492	.44735	.44494	.44960	.45877	1.021	.46977	6.878	.999806		
Ethylbenzene	2.58851	2.36946	1.98892	1.93307	1.87881	1.67037	1.41675	1.027	1.97798	20.891	.988211	*	
m&p-Xylene	.84467	.79205	.67828	.66030	.63964	.66642	.60423	1.046	.69794	12.458	.998043		
Styrene	1.20117	1.14678	1.02542	1.00337	.98422	1.00259	.97842	1.107	1.04885	8.410	.999879		
Xylene(Total)	.80730	.76739	.65330	.63954	.61838	.64110	.59952	1.046	.67522	11.758	.999185		
Bromoform	.29071	.32669	.30530	.30482	.31742	.31942	.31818	1.130	.31179	3.901	.999942		**
Bromofluorobenzene	.78943	.78919	.79576	.82711	.81920	.80830	.80329	1.181	.80461	1.816	-		
Isopropylbenzene(Cumene)	.42078	.48649	.44187	.43551	.42299	.43651	.43913	1.162	.44047	4.953	.999822		
Bromobenzene	1.19031	1.15001	.96025	.91511	.89201	.89973	.87694	1.197	.98348	13.287	.999874		
1,2,3-Trichloropropane	.38832	.39489	.37567	.33194	.34462	.31607	.31327	1.213	.35211	9.677	.999059		
1,1,2,2-Tetrachloroethane	.48706	.51289	.46033	.44542	.45190	.43928	.42297	1.214	.45998	6.647	.999464		**
n-Propylbenzene	5.48193	4.94195	4.20434	4.06338	3.48559	2.67790	2.17006	1.227	3.86074	30.565	.962114		
1,3,5-Trimethylbenzene	2.24806	2.06370	1.77305	1.73351	1.70136	1.57545	1.30404	1.254	1.77131	17.489	.987977		
2-Chlorotoluene	.42410	.44767	.38884	.39004	.37366	.38212	.38332	1.230	.39854	6.759	.999880		
4-Chlorotoluene	.44207	.48094	.41457	.42222	.41661	.42994	.42590	1.247	.43318	5.302	.999872		
tert-Butylbenzene	2.09645	1.91041	1.64159	1.61940	1.55769	1.57779	1.40329	1.300	1.68666	13.975	.996883		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAFIW2 000249

Initial Calibration Data
HSL Compounds

Case No:

Instrument ID: VOA#1 8260 AFCEE W

Contractor: LAW ENVIRONMENTAL

Calibration Date: 12/08/95

Contract No:

Minimum $\overline{RF}$ for SPCC is .300 Maximum % RSD for CCC is 30%%

Laboratory ID:	>33993	>33994	>33995	>33996	>33997	>33998	>33999						
Compound	RF 4.00	RF 10.00	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RRT}$	$\overline{RF}$	% RSD	CORR1	CCC	SPCC
1,2,4-Trimethylbenzene	2.13737	2.02758	1.69889	1.66563	1.60472	1.49158	1.26799	1.307	1.69908	17.639	.990902		
sec-Butylbenzene	3.11855	2.88011	2.47479	2.41703	2.14558	1.75081	1.41378	1.331	2.31438	25.926	.971614		
4-Isopropyltoluene	2.32528	2.13123	1.81576	1.84324	1.74606	1.48906	1.22218	1.352	1.79618	20.596	.980238		
1,3-Dichlorobenzene	.94806	.88594	.73702	.75083	.73764	.73905	.81116	1.338	.80138	10.614	.997799		
1,4-Dichlorobenzene	1.04388	1.00138	.88921	.88387	.88208	.98196	.91308	1.350	.93077	6.967	.999819		
n-Butylbenzene	2.60490	2.34856	2.04006	2.06557	1.80623	1.46598	1.18264	1.396	1.93055	25.468	.970045		
1,2-Dichlorobenzene	.85403	.79896	.69741	.67554	.69507	.69707	.71048	1.389	.73265	9.123	.999803		
1,2-Dibromo-3-Chloropropane	-	.05965	.06998	.06934	.07659	.07374	.07116	1.465	.07008	8.226	.998961		
1,2,4-Trichlorobenzene	.57099	.53093	.46539	.45756	.46351	.46105	.47038	1.532	.48853	9.080	.999862		
Hexachlorobutadiene	.42163	.37499	.32319	.34123	.34061	.35265	.36297	1.549	.35961	8.916	.999462		
Naphthalene	1.06307	.80147	.77779	.71543	.74886	.72566	.69976	1.551	.79029	15.878	.999463		
1,2,3-Trichlorobenzene	.50838	.44010	.40148	.39249	.40588	.40913	.41151	1.572	.42410	9.420	.999891		

RF - Response Factor (Subscript is amount in ug/L)

$\overline{RRT}$ - Average Relative Retention Time (RT Std/RT Istd)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

000250

VAFIW2-34413

LENL-Pensacola, FL

GC/MS VOA #1 Log Book

DV:031494

Operator [illegible] Date 3/11/96 Client(s) Bailey SDG: 88124

GC Program CRYO1 _____ 35 HOLD 6 MIN.: THEN 7/MIN TO 115; HOLD 0 MIN.: THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID/AFW SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP___ Acquisition Cm: D 2 STDS: ISSS*12 E VSTD*03 I

Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
✓ 2	> 34413		BFB	2	5ul/50ng BFB	Daily Tune Scan # 386 Area = 196 244		✓	Time 08:46
✓ 3	> 34414		Cont. Calib.	3	50 PPB	VS. VAFIW2		✓	✓
✓ 4	> 34415	VWB0789		4	5.0ml	Daily Blank		✓	✓
✓ 5	> 34416	VWL0789		5	↓	LCS		✓	✓
6	> 34417	A3 MS	AA88129	6	5 ml	Waste dil 2500x MS		✓	✓
7	> 34418	A3 MSD	AA88129	7	↓	↓ MSD		✓	✓
✓ 8	> 34419	A3	AA88129	8	↓	↓		✓	✓
9	> 34420	ZHC Blk	RL8015	9	5.0ml	verify - percentage		no	
10	> 34421	A1	AA88124	10	1.0 ml	5X not run - percentage		no	
11	>								
12	>								
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SIGNED [signature] COSIGNED [signature]

____ ARCHIVED ____ TIC's ____ EXTENDED REPORTS

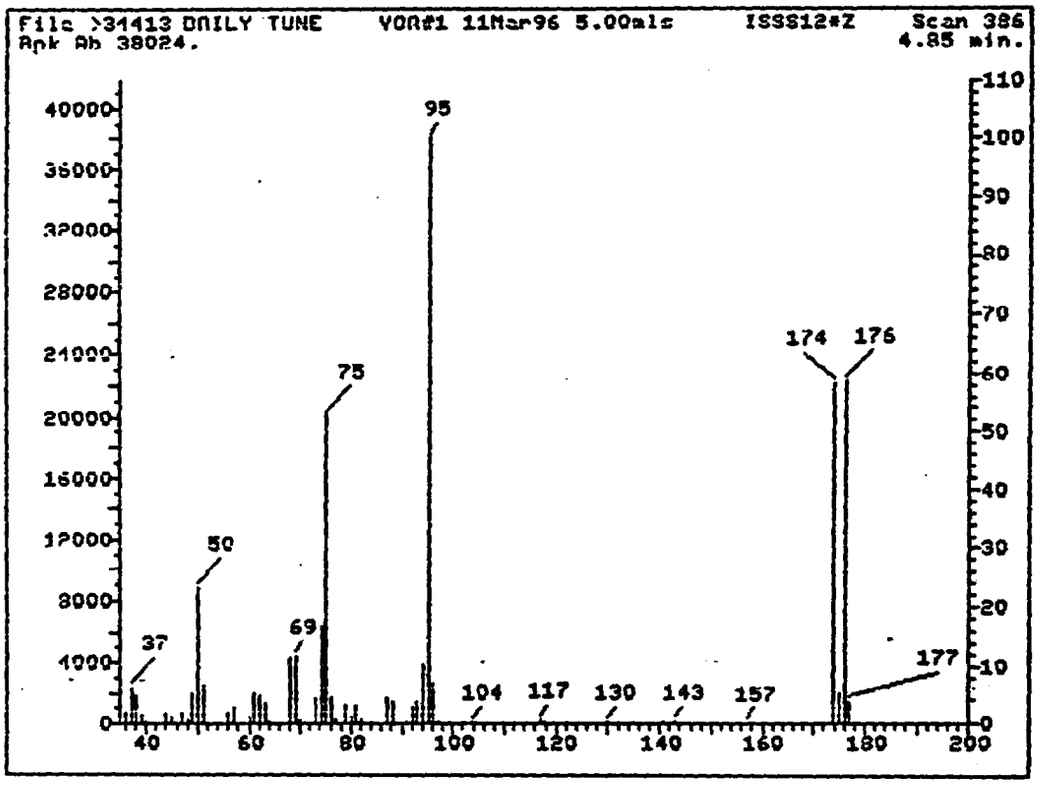
000780

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
50	15-40% of mass 95	23.19	23.19	Ok
75	30-60% of mass 95	52.75	52.75	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.74	6.74	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	58.36	58.36	Ok
175	5-9% of mass 174	5.09	8.72	Ok
176	95-101% of mass 174	58.85	100.83	Ok
177	5-9% of mass 176	3.83	6.52	Ok

Injection Date: 03/11/96
Injection Time: 08:46
Data File: >34413
Scan: 386

:RU,AL,,1



VAFIW2-34413 000252

HSL Compounds

Case No: Calibration Date: 03/11/96

Contractor: LAW ENVIRONMENTAL Time: 09:12

Contract No: Laboratory ID: >34414

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Dichlorodifluoromethane	2.37195	1.23231	48.05			
Chloromethane	1.43269	1.16784	18.49		**	
Vinyl Chloride	1.44928	1.39590	3.68	*		
Bromomethane	1.24892	1.15290	7.69			
Chloroethane	1.19536	1.36934	14.55			
Trichlorofluoromethane	3.91613	3.44431	12.05			
Acetone	.57173	.75135	31.42			
Carbon Disulfide	5.34550	5.08159	4.94			
1,1-Dichloroethene	1.78571	1.89677	6.22	*		
Methylene Chloride	1.61330	1.37988	14.47			
trans-1,2-Dichloroethene	2.02519	2.06114	1.77			
1,1-Dichloroethane	3.75680	3.95753	5.34		**	
Vinyl Acetate	3.82256	1.99357	47.85			
cis-1,2-Dichloroethene	2.11355	2.22022	5.05			
2,2-Dichloropropane	3.52556	2.29318	34.96			
2-Butanone	.73441	.87169	18.69			
Chloroform	4.54399	4.22959	6.92	*		
1,1,1-Trichloroethane	4.42593	4.00600	9.49			
1,1-Dichloropropene	3.46316	3.25224	6.09			
Carbon Tetrachloride	3.28152	3.42418	4.35			
Benzene	6.18387	6.53092	5.61			
1,2-Dichloroethane-d4	2.37991	2.40664	1.12			
1,2-Dichloroethane	2.62139	2.69137	2.67			
Trichloroethene	.44152	.41036	7.06			
1,2-Dichloropropane	.36039	.37383	3.73	*		
Bromodichloromethane	.67883	.57252	15.66			
Dibromomethane	.25835	.22896	11.38			
2-Chloroethyl vinyl ether	.10224	.17513	71.29			
cis-1,3-Dichloropropene	.56261	.52054	7.48			(Conc=47.25)
trans-1,3-Dichloropropene	.43235	.37709	12.78			(Conc=52.75)
Dibromochloromethane	.47353	.41031	13.35			
1,1,2-Trichloroethane	.22234	.20485	7.87			

OK JS. VAFIW2
3-11-96

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

HSL Compounds

Case No: | Calibration Date: 03/11/96

Contractor: LAW ENVIRONMENTAL | Time: 09:12

Contract No: | Laboratory ID: >34414

Instrument ID: VOA#1 8260 AFCEE W | Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 | Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Tetrachloroethene	.41222	.38714	6.08			
Toluene	.71579	.68951	3.67	*		
Toluene-d8	1.05309	1.04595	.68			
4-Methyl-2-pentanone	.34344	.29983	12.70			
2-Hexanone	.27939	.25786	7.71			
1,3-Dichloropropane	.45997	.45355	1.40			
1,2-Dibromoethane	.32860	.33802	2.87			
Chlorobenzene	1.02306	.98889	3.34		**	
1,1,1,2-Tetrachloroethane	.46977	.44182	5.95			
Ethylbenzene	1.97298	1.90595	3.64	*		
m&p-Xylene	.69794	.64879	7.04			(Conc=100.00)
Styrene	1.04885	.99901	4.75			
Xylene(Total)	.67522	.62233	7.83			(Conc=150.00)
Bromoform	.31179	.27202	12.76		**	
Bromofluorobenzene	.80461	.77601	3.55			
Isopropylbenzene(Cumene)	.44047	.45125	2.45			
Bromobenzene	.98348	.92908	5.53			
1,2,3-Trichloropropane	.35211	.32979	6.34			
1,1,2,2-Tetrachloroethane	.45998	.43221	6.04		**	
n-Propylbenzene	3.86074	3.83218	.74			(Conc=50.00)
1,3,5-Trimethylbenzene	1.77131	1.64333	7.23			
2-Chlorotoluene	.39854	.39741	.28			
4-Chlorotoluene	.43318	.40856	5.68			
tert-Butylbenzene	1.68666	1.61521	4.24			
1,2,4-Trimethylbenzene	1.69908	1.52587	10.19			
sec-Butylbenzene	2.31438	2.29419	.87			(Conc=50.00)
4-Isopropyltoluene	1.79610	1.78726	.49			(Conc=50.00)
1,3-Dichlorobenzene	.88138	.72728	9.26			
1,4-Dichlorobenzene	.93077	.88675	4.73			
n-Butylbenzene	1.93055	1.89172	2.01			(Conc=50.00)
1,2-Dichlorobenzene	.73265	.69417	5.25			
1,2-Dibromo-3-Chloropropane	.07008	.06529	6.84			

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No: _____ Calibration Date: 03/11/96

Contractor: LAW ENVIRONMENTAL Time: 09:12

Contract No: _____ Laboratory ID: >34414

Instrument ID: VOA#1 8260 AFCEE W Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
1,2,4-Trichlorobenzene	.48853	.41291	15.48			(Conc=50.00)
Hexachlorobutadiene	.35961	.30378	15.53			(Conc=50.00)
Naphthalene	.79029	.66942	15.29			(Conc=50.00)
1,2,3-Trichlorobenzene	.42410	.34953	17.58			(Conc=50.00)

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

GC/MS VOA #1 Log Book

LENL Pensacola, Fl. DV:031494

Operator [illegible] Date 3 / 13 / 96 Client(s) Bailey, UST1880 6/1880 SDG: 38173

GC Program CRYO1 _____ 35 HOLD 8 MIN.; THEN 7/MIN TO 115; HOLD 0 MIN.: 38124
THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID 1AF W
SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP___ Acquisition Cm: D 2 STDS: ISSS=12 Z
VSTD=03 I

Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
✓ 2	> 34445		BFB	2	5ul/50ng BFB	Daily Tune Scan # 388 Area = 134652		✓	Time 06:44
✓ 3	> 34446		Cont. Calib.	3	50 PPB	VS. : VAF1W2		✓	✓
✓ 4	> 34447	VWB0791		4	5.0 ml	Daily Blank		✓	✓
✓ 5	> 34448	VWL0791		5	↓	LCS		✓	✓
6	> 34449	B1	AA88173	6	100 µl	125X Waste Dil.		✓	✓
7	> 34450	D2	AA88176	7				✓	✓
8	> 34451	C2	AA88178	8		rerun @ 50 µl		no	✓
9	> 34452	F2	AA88180	9		rerun @ 50 µl (125X)		no	
10	> 34453	E1	AA88185	10	↓	rerun @ 50 µl		no	
11	> 34456	B3 MS	AA88183	11	500 µl	MS 10X		✓	✓
12	> 34457	B3 MSD	AA88183	12	↓	MSD ↓		✓	✓
✓ 13	> 34458	G-PB-FB1	AA88127	13	5.0 ml			✓	✓
✓ 14	> 34459	TB	AA88128	14				✓	✓
15	> 34460	B1	AA88173	15	500 µl	10X		✓	✓
16	> 34461	D1	AA88174	16				✓	✓
17	> 34462	D3	AA88175	1				✓	✓
18	> 34463	D2	AA88176	2				✓	✓
19	> 34464	F3	AA88177	3				✓	✓
20	> 34465	C2	AA88178	4				✓	✓
21	> 34466	B2	AA88179	5				✓	✓
22	> 34467	F2	AA88180	6				✓	✓
23	> 34468	C1	AA88181	7				✓	✓
24	> 34469	F4	AA88182	8				✓	✓
25	> 34470	B3	AA88183	9				✓	✓
26	> 34471	E2	AA88184	10				✓	✓
27	> 34472	C1	AA88185	11	↓	↓		✓	✓
28	> 34473	3HE Blank	RL8026	12	5.0 ml	out of "12-hr" - rerun			
29	> 34474	3HE Blank	RL8028	13					
30	> 34475	MW-5-3 11:25 13:25	AA88145	14	↓	↓			

SIGNED [signature] COSIGNED [signature]

_____ ARCHIVED _____ TIC's _____ EXTENDED REPORTS

:RU,TUNER,=BFB88

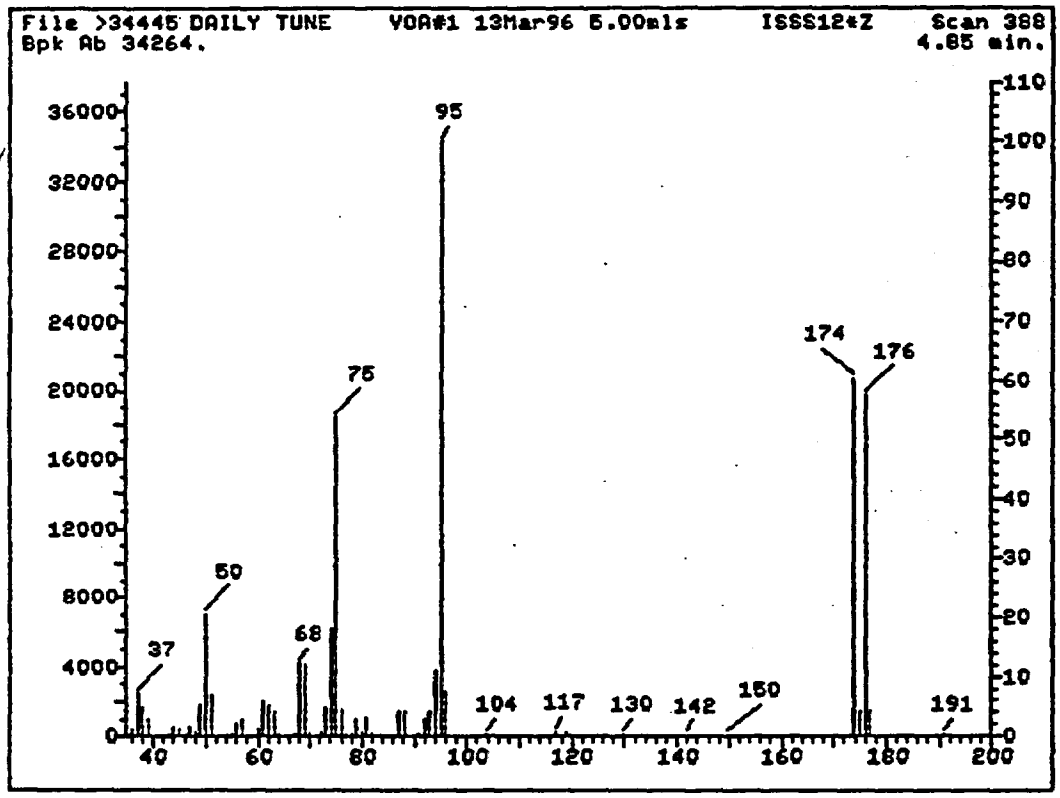
VAFIW2-34445-CCC258

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	20.38	20.38	Ok
75	30-60% of mass 95	53.79	53.79	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	7.50	7.50	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	60.33	60.33	Ok
175	5-9% of mass 174	4.24	7.03	Ok
176	95-101% of mass 174	57.46	95.24	Ok
177	5-9% of mass 176	4.02	7.00	Ok

Injection Date: 03/13/96
Injection Time: 06:44
Data File: >34445
Scan: 388

:RU,AL,,1



Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL

Time: 07:11

Contract No:

Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Dichlorodifluoromethane	2.37195	.90462	61.86			
Chloromethane	1.43269	1.01578	29.10		**	
Vinyl Chloride	1.44928	1.26511	12.71	*		
Bromomethane	1.24892	1.08658	13.00			
Chloroethane	1.19536	1.28971	7.89			
Trichlorofluoromethane	3.91613	2.94518	24.79			
Acetone	.57173	.83905	46.76			
Carbon Disulfide	5.34550	4.81083	10.00			
1,1-Dichloroethene	1.7[illegible]71	1.78843	.15	*		
Methylene Chloride	1.61338	1.40925	12.65			
trans-1,2-Dichloroethene	2.02519	2.04161	.81			
1,1-Dichloroethane	3.75680	3.86776	2.95		**	
Vinyl Acetate	3.82256	2.21890	41.95			
cis-1,2-Dichloroethene	2.11355	2.16032	2.21			
2,2-Dichloropropane	3.52556	2.16158	38.69			
2-Butanone	.73441	1.01175	37.76			
Chloroform	4.54399	4.00086	11.95	*		
1,1,1-Trichloroethane	4.42593	3.88672	12.18			
1,1-Dichloropropene	3.46316	3.19345	7.79			
Carbon Tetrachloride	3.28152	3.21687	1.97			
Benzene	6.18387	6.48320	4.84			
1,2-Dichloroethane-d4	2.37991	2.49864	4.99			
1,2-Dichloroethane	2.62139	2.72159	3.82			
Trichloroethene	.44152	.40492	8.29			
1,2-Dichloropropane	.36039	.37195	3.21	*		
Bromodichloromethane	.67883	.56533	16.72			
Dibromomethane	.25835	.24412	5.51			
2-Chloroethyl vinyl ether	.10224	.19448	90.22			
cis-1,3-Dichloropropene	.56261	.53109	5.60			(Conc=47.25)
trans-1,3-Dichloropropene	.43235	.38837	10.17			(Conc=52.75)
Dibromochloromethane	.47353	.42343	10.58			
1,1,2-Trichloroethane	.22234	.20393	8.28			

OK US: VAFIW2
3-13-96

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL

Time: 07:11

Contract No:

Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Tetrachloroethene	.41222	.37097	10.01			
Toluene	.71579	.69559	2.82	*		
Toluene-d8	1.05309	1.06174	.82			
4-Methyl-2-pentanone	.34344	.33311	3.01			
2-Hexanone	.27939	.29743	6.46			
1,3-Dichloropropane	.45997	.46863	1.88			
1,2-Dibromoethane	.32860	.27790	15.43			
Chlorobenzene	1.02306	.93140	8.96		**	
1,1,1,2-Tetrachloroethane	.46977	.40748	13.26			
Ethylbenzene	1.97798	1.85207	6.37	*		
m&p-Xylene	.69794	.62417	10.57			(Conc=100.00)
Styrene	1.04885	.94908	9.51			
Xylene(Total)	.67522	.60427	10.51			(Conc=150.00)
Bromoform	.31179	.27412	12.08		**	
Bromofluorobenzene	.80461	.78131	2.90			
Isopropylbenzene(Cumene)	.44047	.41171	6.53			
Bromobenzene	.98348	.87609	10.92			
1,2,3-Trichloropropane	.35211	.34687	1.49			
1,1,2,2-Tetrachloroethane	.45998	.45542	.99		**	
n-Propylbenzene	3.86074	3.82781	.85			(Conc=50.00)
1,3,5-Trimethylbenzene	1.77131	1.50711	14.92			
2-Chlorotoluene	.39854	.36264	9.01			
4-Chlorotoluene	.43318	.39349	9.16			
tert-Butylbenzene	1.68666	1.49185	11.60			
1,2,4-Trimethylbenzene	1.69908	1.47437	13.23			
sec-Butylbenzene	2.31438	2.15173	7.03			(Conc=50.00)
4-Isopropyltoluene	1.79610	1.65270	7.98			(Conc=50.00)
1,3-Dichlorobenzene	.80138	.69300	13.52			
1,4-Dichlorobenzene	.93077	.81145	12.82			
n-Butylbenzene	1.93055	1.80679	6.41			(Conc=50.00)
1,2-Dichlorobenzene	.73265	.64878	11.45			
1,2-Dibromo-3-Chloropropane	.07008	.06359	9.25			

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/13/96

Contractor: LAW ENVIRONMENTAL

Time: 07:11

Contract No:

Laboratory ID: >34446

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
1,2,4-Trichlorobenzene	.48853	.37784	22.66			(Conc=50.00)
Hexachlorobutadiene	.35961	.26159	27.26			(Conc=50.00)
Naphthalene	.79029	.65115	17.61			(Conc=50.00)
1,2,3-Trichlorobenzene	.42418	.32047	24.44			(Conc=50.00)

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

VAF1W2-34422

LENL-Pensacola, Fl.

GC/MS VOA #1 Log Book

Operator [illegible] Date 3/12/96 Client(s) Bailey SDG: 88124 DV:031494

GC Program CRYO1 _____ 35 HOLD 6 MIN.: THEN 7/MIN TO 115; HOLD 0 MIN.: THEN 20/MIN TO 175; HOLD 0 MIN

Scan Range: 35 - 260 Tune File: TUNER 1 EM: 1750 SEQ. File: SEQ_B1 I.D. LIST: ID 1AFW SEQ_V1/SEQV1

Quant/Upload ___/___/___ Upload File: VDMP___ Acquisition Cm: D 4 STDS: ISSS= 12 Z VSTD= 03 I

	Seq	FRN	Sample #	LAB #	MPM POS	VOLUME	Comments	pH <2?	QC OK?	QAREA QDEL
	1	>		Column Condit	1	5ul/5ppt BFB	STD		X	X
	2	>34422		BFB	2	5ul/50ng BFB	Daily Tune Scan # 385 Area = 164112		✓	Time 07:08
	3	>34423		Cont. Calib.	3	50 PPB	VS. : VAF1W2		✓	✓
✓	4	>34424	VWB0790		4	5.0 ml	Daily Blank		✓	✓
✓	5	>34425	VWL0790		5	↓	LCS		✓	✓
✓	6	>34426	A1	AA88124	6	500 µl	10x		✓	✓
✓	7	>34427	A2	AA88125	7				✓	✓
✓	8	>34428	A2D	AA88126	8				✓	✓
✓	9	>34429	A3	AA88129	9				✓	✓
	10	>34430	AB1	AA88130	10		rerun @ 5.0 ml		✓	✓
	11	>34431	A4	AA88131	11		rerun @ 5.0 ml		✓	✓
✓	12	>34432	C1	AA88132	12	↓			✓	✓
✓	13	>34433	ZHE Blank	RL8015	13	5.0 ml			✓	✓
	14	>34434	AB1	AA88130	14		MS		✓	✓
	15	>34435	AB1	AA88130	15		MSD		✓	✓
✓	16	>34436	AB1	AA88130	16				✓	✓
✓	17	>34437	A4	AA88131	1				✓	✓
	18	>34438	Top Blank 3/7	AA88123	2				✓	✓
	19	>34439	B1	AA88173	3	2 µl	6250x			
	20	>34440	D2	AA88176	4					
	21	>34441	C2	AA88178	5					
	22	>34442	F2	AA88180	6					
	23	>34443	E1	AA88185	7	↓	↓			
	24	>34444	Amb 0790	Amb Blank	8	5.0 ml			✓	✓
	25	>								
	26	>								
	27	>								
	28	>								
	29	>								
	30	>								

SIGNED [illegible] COSIGNED [illegible]

____ ARCHIVED ____ TIC's ____ EXTENDED REPORTS

:RU,TUNFR,=BFBAB

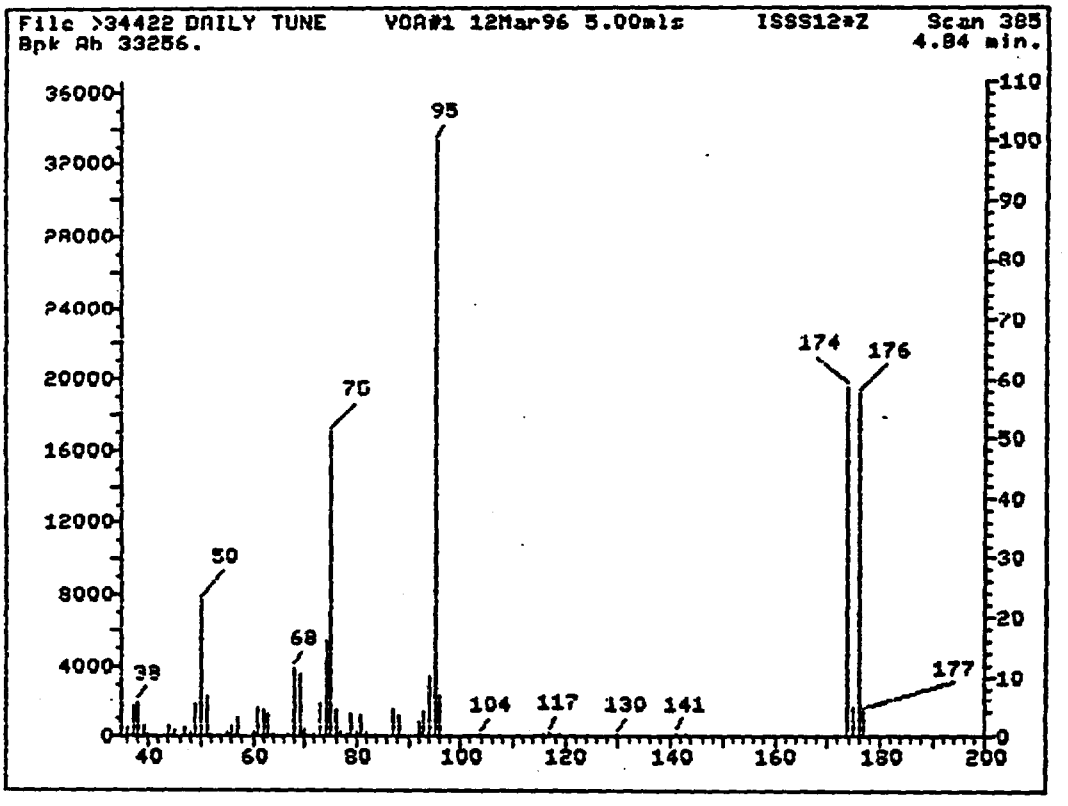
VAFIW2-34422

GC/MS PERFORMANCE STANDARD
RCRA
Bromofluorobenzene (BFB)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
50	15-40% of mass 95	22.92	22.92	Ok
75	30-60% of mass 95	50.95	50.95	Ok
95	Base peak, 100% relative abundance	100.00	100.00	Ok
96	5-9% of mass 95	6.83	6.83	Ok
173	Less than 2% of mass 174	0.00	0.00	Ok
174	Greater than 50% of mass 95	58.60	58.60	Ok
175	5-9% of mass 174	4.87	8.31	Ok
176	95-101% of mass 174	57.40	97.95	Ok
177	5-9% of mass 176	4.01	6.98	Ok

Injection Date: 03/12/96
Injection Time: 07:08
Data File: >34422
Scan: 385

:RU,AL,,1



VAFIW2-34422

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/12/96

Contractor: LAW ENVIRONMENTAL | Time: 07:35

Contract No: | Laboratory ID: >34423

Instrument ID: VOA$1 8260 AFCEE W | Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300 | Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Dichlorodifluoromethane	2.37195	1.05365	55.58			
Chloromethane	1.43269	1.11326	22.30		**	
Vinyl Chloride	1.44928	1.34666	7.08	*		
Bromomethane	1.24892	1.09707	12.16			
Chloroethane	1.19536	1.34975	12.92			
Trichlorofluoromethane	3.91613	3.21320	17.95			
Acetone	.57173	1.09137	90.89			
Carbon Disulfide	5.34550	5.15702	3.53			
1,1-Dichloroethene	1.78571	1.88210	5.40	*		
Methylene Chloride	1.61330	1.53539	4.83			
trans-1,2-Dichloroethene	2.02519	2.13560	5.45			
1,1-Dichloroethane	3.75680	4.08398	8.71		**	
Vinyl Acetate	3.82256	2.22341	41.83			
cis-1,2-Dichloroethene	2.11355	2.24474	6.21			
2,2-Dichloropropane	3.52556	2.21703	37.12			
2-Butanone	.73441	.93764	27.67			
Chloroform	4.54399	4.18046	8.00	*		
1,1,1-Trichloroethane	4.42593	4.06581	8.14			
1,1-Dichloropropene	3.46316	3.38081	2.38			
Carbon Tetrachloride	3.28152	3.51666	7.17			
Benzene	6.18387	6.76719	9.43			
1,2-Dichloroethane-d4	2.37991	2.69816	13.37			
1,2-Dichloroethane	2.62139	2.80799	7.12			
Trichloroethene	.44152	.36866	16.50			
1,2-Dichloropropane	.36039	.34412	4.51	*		
Bromodichloromethane	.67883	.55156	18.75			
Dibromomethane	.25835	.22459	13.07			
2-Chloroethyl vinyl ether	.10224	.18351	79.49			
cis-1,3-Dichloropropene	.56261	.48716	13.41			(Conc=47.25)
trans-1,3-Dichloropropene	.43235	.36604	15.34			(Conc=52.75)
Dibromochloromethane	.47353	.39433	16.72			
1,1,2-Trichloroethane	.22234	.17291	22.23			

OK VS: VAFIW2
2-12-96

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/12/96

Contractor: LAW ENVIRONMENTAL

Time: 07:35

Contract No:

Laboratory ID: >34423

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
Tetrachloroethene	.41222	.35282	14.41			
Toluene	.71579	.63929	10.69	*		
Toluene-d8	1.05309	1.03002	2.19			
4-Methyl-2-pentanone	.34344	.30065	12.46			
2-Hexanone	.27939	.25937	7.17			
1,3-Dichloropropane	.45997	.42116	8.44			
1,2-Dibromoethane	.32860	.30117	8.35			
Chlorobenzene	1.02306	.89916	12.11		**	
1,1,1,2-Tetrachloroethane	.46977	.41321	12.04			
Ethylbenzene	1.97798	1.79396	9.30	*		
m&p-Xylene	.69794	.60889	12.76			(Conc=100.00)
Styrene	1.04885	.92189	12.11			
Xylene(Total)	.67522	.58749	12.99			(Conc=150.00)
Bromoform	.31179	.28438	8.82		**	
Bromofluorobenzene	.80461	.77259	3.98			
Isopropylbenzene(Cumene)	.44047	.41385	6.04			
Bromobenzene	.98348	.85592	12.97			
1,2,3-Trichloropropane	.35211	.32359	8.10			
1,1,2,2-Tetrachloroethane	.45998	.42011	8.67		**	
n-Propylbenzene	3.86074	3.78218	2.03			(Conc=50.00)
1,3,5-Trimethylbenzene	1.77131	1.45773	17.70			
2-Chlorotoluene	.39854	.35566	10.76			
4-Chlorotoluene	.43318	.39318	9.23			
tert-Butylbenzene	1.68666	1.49430	11.41			
1,2,4-Trimethylbenzene	1.69908	1.41551	16.69			
sec-Butylbenzene	2.31438	2.13492	7.75			(Conc=50.00)
4-Isopropyltoluene	1.79610	1.65920	7.62			(Conc=50.00)
1,3-Dichlorobenzene	.80138	.68781	14.27			
1,4-Dichlorobenzene	.93077	.82456	11.41			
n-Butylbenzene	1.93055	1.78607	7.48			(Conc=50.00)
1,2-Dichlorobenzene	.73265	.63597	13.20			
1,2-Dibromo-3-Chloropropane	.07008	.06414	8.47			

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Continuing Calibration Check
HSL Compounds

Case No:

Calibration Date: 03/12/96

Contractor: LAW ENVIRONMENTAL

Time: 07:35

Contract No:

Laboratory ID: >34423

Instrument ID: VOA#1 8260 AFCEE W

Initial Calibration Date: 12/08/95

Minimum $\overline{RF}$ for SPCC is .300

Maximum % Diff for CCC is 25%%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC	
1,2,4-Trichlorobenzene	.48853	.37478	23.28			(Conc=50.00)
Hexachlorobutadiene	.35961	.26193	27.16			(Conc=50.00)
Naphthalene	.79029	.60727	23.16			(Conc=50.00)
1,2,3-Trichlorobenzene	.42418	.30666	27.69			(Conc=50.00)

RF - Response Factor from daily standard file at 50.00 ug/L

$\overline{RF}$ - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

SDG No: 01B88124

Method No.: 8270

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96

Sampling Site(s): 1 Pit B 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWLB32	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS SEWB0334	AA85968			
18 AS-SEWL0334	AA85969			
19 PB-TLWB FWB0335	AA85970			
20 PB-TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-91
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HQSB0541	AA85972			
22 HQSL0541	AA85973			
23 HQWB0539	AA85974			
24 HQWL0539	AA85975			
25 HQWB0540	AA85976			
26 HQWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICPWB0332T	AA86021			
42	ICPWLB332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846ISL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP

A1	AA88124	10X
A2	AA86125	10X
A2D	AA86126	10X
A3	AA88129	10X
C1	AA88132	10X

8270 - Total

A3	AA88129	100X and 40 mL end volume
A3MS	AA86031	100X and 30 mL end volume
A3MSD	AA86032	100X and 30 mL end volume

8270 - TCLP

A1	AA88124	100X except *
A2	AA86125	100X except *
A2D	AA86126	100X except *
A3	AA88129	10X
AB1	AA88130	10X
A4	AA88131	10X
C1	AA88132	10X

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 3

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP
The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LENL-Pensacola, FL

DV:031894

Information Only ✓ Deficient Incident ____

Section: GCMS Semivolatiles

Analyst: [illegible] Date: 3/18/96 Supervisor: [illegible] Date 3/18/96

Description

Samples could only be run at a 100x dilution for large non-Target analytes. This put 2-4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene over the TCLP regulatory levels.

SDG/Samples Affected

Bailey SDG# 88124 TCLPs
AA 88124-126

Resolution

Samples had Silica Gel Cleanup performed on them at were re-run for those 3 constituents only. 2 standards were also run through the cleanup step and recoveries are as follows:

	STD #1	STD #2
2,4-Dinitrotoluene	70%	73%
Hexachlorobenzene	77%	86%
Hexachlorobutadiene	93%	101%

Hexachlorobutadiene was also evaluated in the 8260 analysis and found as non-Detect.

Report

SDG/Samples: _____

Follow up

Review

Cleanup was performed to help reduce Background to lower the reporting limit for 2,4-Dinitrotoluene, Hexachlorobenzene and Hexachlorobutadiene. This was achieved and samples were rerun & the analysis reported for these analytes only.

Approvals

3/20/96

Laboratory Manager

QA/QC Officer

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

Station ID: A1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/09/96	12:30	SB
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	15:46	DH
3-Methylphenol	SW8270	1000	Not Det	03/14/96	15:46	DH
2-Methylphenol	SW8270	1000	Not Det	03/14/96	15:46	DH
4-Methylphenol	SW8270	1000	408 J	03/14/96	15:46	DH
1,4-Dichlorobenzene	SW8270	1000	Not Det	03/14/96	15:46	DH
Hexachloroethane	SW8270	1000	Not Det	03/14/96	15:46	DH
Nitrobenzene	SW8270	1000	Not Det	03/14/96	15:46	DH
Pentachlorophenol	SW8270	3000	Not Det	03/14/96	15:46	DH
Pyridine	SW8270	2000	Not Det	03/14/96	15:46	DH
2,4,5-Trichlorophenol	SW8270	2000	Not Det	03/14/96	15:46	DH
2,4,6-Trichlorophenol	SW8270	1000	Not Det	03/14/96	15:46	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	46	03/14/96	15:46	DH
sur-Phenol-d6 %R 10-94	SW8270	0	18	03/14/96	15:46	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	117	03/14/96	15:46	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	108	03/14/96	15:46	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	53	03/14/96	15:46	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	89	03/14/96	15:46	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/15/96	11:35	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/15/96	11:35	DH
Hexachlorobenzene	SW8270	100	Not Det	03/15/96	11:35	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/15/96	11:35	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	65	03/15/96	11:35	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	65	03/15/96	11:35	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	54	03/15/96	11:35	DH

LAW ENVIROMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96
Page 2

---Project Information---

Station ID:	A1	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	01B88124

---Sample Information---

		Date Sampled:	03/06/96
Lab ID:	AA88124	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/08/96
		Log In Time:	13:55

---Test Information---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000276

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/10/96	11:45	BP
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	16:36	DH
3-Methylphenol	SW8270	1000	232 J CE	03/14/96	16:36	DH
2-Methylphenol	SW8270	1000	Not Det	03/14/96	16:36	DH
4-Methylphenol	SW8270	1000	232 J CE	03/14/96	16:36	DH
1,4-Dichlorobenzene	SW8270	1000	Not Det	03/14/96	16:36	DH
Hexachloroethane	SW8270	1000	Not Det	03/14/96	16:36	DH
Nitrobenzene	SW8270	1000	Not Det	03/14/96	16:36	DH
Pentachlorophenol	SW8270	3000	Not Det	03/14/96	16:36	DH
Pyridine	SW8270	2000	Not Det	03/14/96	16:36	DH
2,4,5-Trichlorophenol	SW8270	2000	Not Det	03/14/96	16:36	DH
2,4,6-Trichlorophenol	SW8270	1000	Not Det	03/14/96	16:36	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	19	03/14/96	16:36	DH
sur-Phenol-d6 %R 10-94	SW8270	0	27	03/14/96	16:36	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	59	03/14/96	16:36	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	82	03/14/96	16:36	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	40	03/14/96	16:36	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	70	03/14/96	16:36	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/15/96	12:29	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/15/96	12:29	DH
Hexachlorobenzene	SW8270	100	Not Det	03/15/96	12:29	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/15/96	12:29	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	49	03/15/96	12:29	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	60	03/15/96	12:29	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	51	03/15/96	12:29	DH

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TEST DATA REPORT

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---Project Information---

Station ID:	A2	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	01B88124

---Sample Information---

		Date Sampled:	03/06/96
Lab ID:	AA88125	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/08/96
		Log In Time:	13:55

---Test Information---

Parameter	Method	Det Lim	Result	Date	Analysis Time	Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/10/96	11:45	BP
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/13/96	14:08	DH
3-Methylphenol	SW8270	1000	232 J CE	03/13/96	14:08	DH
2-Methylphenol	SW8270	1000	Not Det	03/13/96	14:08	DH
4-Methylphenol	SW8270	1000	232 J CE	03/13/96	14:08	DH
1,4-Dichlorobenzene	SW8270	1000	Not Det	03/13/96	14:08	DH
Hexachloroethane	SW8270	1000	Not Det	03/13/96	14:08	DH
Nitrobenzene	SW8270	1000	Not Det	03/13/96	14:08	DH
Pentachlorophenol	SW8270	3000	Not Det	03/13/96	14:08	DH
Pyridine	SW8270	2000	Not Det	03/13/96	14:08	DH
2,4,5-Trichlorophenol	SW8270	2000	Not Det	03/13/96	14:08	DH
2,4,6-Trichlorophenol	SW8270	1000	Not Det	03/13/96	14:08	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	42	03/13/96	14:08	DH
sur-Phenol-d6 %R 10-94	SW8270	0	38	03/13/96	14:08	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	84	03/13/96	14:08	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	92	03/13/96	14:08	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	42	03/13/96	14:08	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	65	03/13/96	14:08	DH
622-8270 Semi-VOA TCLP RE ug/L	SW8270		_TITLE_	03/15/96	13:23	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/15/96	13:23	DH
Hexachlorobenzene	SW8270	100	Not Det	03/15/96	13:23	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/15/96	13:23	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	52	03/15/96	13:23	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	60	03/15/96	13:23	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	47	03/15/96	13:23	DH

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TEST DATA REPORT

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---Project Information---

Station ID:	A2D	Project Name:	BAILTCLP
BAILEY PROJECT GE3913		SDG:	01B88124

---Sample Information---

		Date Sampled:	03/06/96
Lab ID:	AA88126	Time Sampled:	00:00
Collector:	WISEALOWSKI	Log In Date:	03/08/96
		Log In Time:	13:55

---Test Information---

Parameter	Method	Det Lim	Result	Date	Analysis Time	Tech

Remarks:

Signed:

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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Station ID: G-PB-FB1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-3520 SVOA Cont Liq W	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-Volatiles W ug/L	SW8270		_TITLE_	03/13/96	09:36	DH
Acenaphthene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Acenaphthylene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Anthracene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benz(a)anthracene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benzo(b)fluoranthene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benzo(k)fluoranthene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benzo(g,h,i)perylene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benzo(a)pyrene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Benzoic acid	SW8270	50.0	Not Det	03/13/96	09:36	DH
Benzyl alcohol	SW8270	20.0	Not Det	03/13/96	09:36	DH
bis(2-Chloroethoxy)methane	SW8270	10.0	Not Det	03/13/96	09:36	DH
bis(2-Chloroethyl)ether	SW8270	10.0	Not Det	03/13/96	09:36	DH
bis(2-Chloroisopropyl)ether	SW8270	10.0	Not Det	03/13/96	09:36	DH
bis(2-Ethylhexyl)phthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH
4-Bromophenyl phenyl ether	SW8270	10.0	Not Det	03/13/96	09:36	DH
Butyl benzyl phthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH
4-Chloroaniline	SW8270	20.0	Not Det	03/13/96	09:36	DH
4-Chloro-3-methylphenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Chloronaphthalene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Chlorophenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
4-Chlorophenyl phenyl ether	SW8270	10.0	Not Det	03/13/96	09:36	DH
Chrysene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Dibenz(a,h)anthracene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Dibenzofuran	SW8270	10.0	Not Det	03/13/96	09:36	DH
Di-n-butylphthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
1,3-Dichlorobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
1,4-Dichlorobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
3,3'-Dichlorobenzidine	SW8270	20.0	Not Det	03/13/96	09:36	DH
2,4-Dichlorophenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
Diethylphthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH
2,4-Dimethylphenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
Dimethylphthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH
4,6-Dinitro-2-methylphenol	SW8270	50.0	Not Det	03/13/96	09:36	DH
2,4-Dinitrophenol	SW8270	50.0	Not Det	03/13/96	09:36	DH
2,4-Dinitrotoluene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2,6-Dinitrotoluene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Di-n-octylphthalate	SW8270	10.0	Not Det	03/13/96	09:36	DH
Fluoranthene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Fluorene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Hexachlorobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Hexachlorobutadiene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Hexachlorocyclopentadiene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Hexachloroethane	SW8270	10.0	Not Det	03/13/96	09:36	DH
Indeno(1,2,3-cd)pyrene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Isophorone	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Methylnaphthalene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Methylphenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
4-Methylphenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
Naphthalene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Nitroaniline	SW8270	50.0	Not Det	03/13/96	09:36	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	50.0	Not Det	03/13/96	09:36	DH
4-Nitroaniline	SW8270	50.0	Not Det	03/13/96	09:36	DH
Nitrobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2-Nitrophenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
4-Nitrophenol	SW8270	50.0	Not Det	03/13/96	09:36	DH
n-Nitrosodiphenylamine	SW8270	10.0	Not Det	03/13/96	09:36	DH
n-Nitrosodinpropylamine	SW8270	10.0	Not Det	03/13/96	09:36	DH
Pentachlorophenol	SW8270	30.0	Not Det	03/13/96	09:36	DH
Phenanthrene	SW8270	10.0	Not Det	03/13/96	09:36	DH
Phenol	SW8270	10.0	Not Det	03/13/96	09:36	DH
Pyrene	SW8270	10.0	Not Det	03/13/96	09:36	DH
1,2,4-Trichlorobenzene	SW8270	10.0	Not Det	03/13/96	09:36	DH
2,4,5-Trichlorophenol	SW8270	20.0	Not Det	03/13/96	09:36	DH
2,4,6-Trichlorophenol	SW8270	10.0	Not Det	03/13/96	09:36	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: G-PB-FB1

BAILEY PROJECT GE3913

Project Name: BAILQC

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88127

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 21-100	SW8270	0	65	03/13/96	09:36	DH
sur-Phenol-d6 %R 10-94	SW8270	0	56	03/13/96	09:36	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	70	03/13/96	09:36	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	75	03/13/96	09:36	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	50	03/13/96	09:36	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	67	03/13/96	09:36	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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Station ID: A3

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Time	Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	04:36	DH
Acenaphthene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Acenaphthylene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Anthracene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benz(a)anthracene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benzo(b)fluoranthene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benzo(k)fluoranthene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benzo(g,h,i)perylene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benzo(a)pyrene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Benzoic acid	SW8270	16000000	Not Det	03/14/96	04:36	DH
Benzyl alcohol	SW8270	6400000	Not Det	03/14/96	04:36	DH
bis(2-Chloroethoxy)methane	SW8270	3200000	Not Det	03/14/96	04:36	DH
bis(2-Chloroethyl)ether	SW8270	3200000	Not Det	03/14/96	04:36	DH
bis(2-Chloroisopropyl)ether	SW8270	3200000	Not Det	03/14/96	04:36	DH
bis(2-Ethylhexyl)phthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH
4-Bromophenyl phenyl ether	SW8270	3200000	Not Det	03/14/96	04:36	DH
Butyl benzyl phthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH
4-Chloroaniline	SW8270	6400000	Not Det	03/14/96	04:36	DH
4-Chloro-3-methylphenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
2-Chloronaphthalene	SW8270	3200000	Not Det	03/14/96	04:36	DH
2-Chlorophenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
4-Chlorophenyl phenyl ether	SW8270	3200000	Not Det	03/14/96	04:36	DH
Chrysene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Dibenz(a,h)anthracene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Dibenzofuran	SW8270	3200000	Not Det	03/14/96	04:36	DH
Di-n-butylphthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
1,3-Dichlorobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
1,4-Dichlorobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
3,3'-Dichlorobenzidine	SW8270	6400000	Not Det	03/14/96	04:36	DH
2,4-Dichlorophenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
Diethylphthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH
2,4-Dimethylphenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
Dimethylphthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH
4,6-Dinitro-2-methylphenol	SW8270	16000000	Not Det	03/14/96	04:36	DH
2,4-Dinitrophenol	SW8270	16000000	Not Det	03/14/96	04:36	DH
2,4-Dinitrotoluene	SW8270	3200000	Not Det	03/14/96	04:36	DH
2,6-Dinitrotoluene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Di-n-octylphthalate	SW8270	3200000	Not Det	03/14/96	04:36	DH
Fluoranthene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Fluorene	SW8270	3200000	73600 J	03/14/96	04:36	DH
Hexachlorobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Hexachlorobutadiene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Hexachlorocyclopentadiene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Hexachloroethane	SW8270	3200000	Not Det	03/14/96	04:36	DH
Indeno(1,2,3-cd)pyrene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Isophorone	SW8270	3200000	Not Det	03/14/96	04:36	DH
2-Methylnaphthalene	SW8270	3200000	Not Det	03/14/96	04:36	DH
2-Methylphenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
4-Methylphenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
Naphthalene	SW8270	3200000	355000 J	03/14/96	04:36	DH
2-Nitroaniline	SW8270	16000000	Not Det	03/14/96	04:36	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	16000000	Not Det	03/14/96	04:36	DH
4-Nitroaniline	SW8270	16000000	Not Det	03/14/96	04:36	DH
Nitrobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
2-Nitrophenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
4-Nitrophenol	SW8270	16000000	Not Det	03/14/96	04:36	DH
n-Nitrosodiphenylamine	SW8270	3200000	Not Det	03/14/96	04:36	DH
n-Nitrosodi-n-propylamine	SW8270	3200000	Not Det	03/14/96	04:36	DH
Pentachlorophenol	SW8270	9600000	Not Det	03/14/96	04:36	DH
Phenanthrene	SW8270	3200000	Not Det	03/14/96	04:36	DH
Phenol	SW8270	3200000	Not Det	03/14/96	04:36	DH
Pyrene	SW8270	3200000	Not Det	03/14/96	04:36	DH
1,2,4-Trichlorobenzene	SW8270	3200000	Not Det	03/14/96	04:36	DH
2,4,5-Trichlorophenol	SW8270	6400000	Not Det	03/14/96	04:36	DH
2,4,6-Trichlorophenol	SW8270	3200000	Not Det	03/14/96	04:36	DH

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TEST DATA REPORT

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--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	04:36	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	04:36	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	04:36	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	04:36	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	04:36	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	04:36	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA88129	Matrix: (soil/water)	Soil
SDG No. :	01B88124	Level: (low/med)	Low
Client ID :	A3	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION
Unknown	6.42	29800000
Unknown	21.43	2240000
Unknown	22.73	26200000
Unknown	23.09	3200000
Unknown	23.36	13100000
Unknown Aromatic	24.81	1600000
Unknown	25.65	10900000
Unknown Aromatic	26.66	1920000
Unknown	26.79	1600000
Unknown Aromatic	27.52	1280000
Unknown Aromatic	29.97	1920000
Unknown Aromatic	30.07	1920000
Unknown	32.67	2240000

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Page 1

Station ID: A3

BAILEY PROJECT GE3913

Lab ID: AA88129

Collector: WISEALOWSKI

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/09/96	12:30	SB
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	07:21	DH
3-Methylphenol	SW8270	100	Not Det	03/14/96	07:21	DH
2-Methylphenol	SW8270	100	Not Det	03/14/96	07:21	DH
4-Methylphenol	SW8270	100	Not Det	03/14/96	07:21	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/14/96	07:21	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/14/96	07:21	DH
Hexachlorobenzene	SW8270	100	Not Det	03/14/96	07:21	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/14/96	07:21	DH
Hexachloroethane	SW8270	100	Not Det	03/14/96	07:21	DH
Nitrobenzene	SW8270	100	Not Det	03/14/96	07:21	DH
Pentachlorophenol	SW8270	300	Not Det	03/14/96	07:21	DH
Pyridine	SW8270	200	Not Det	03/14/96	07:21	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/14/96	07:21	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/14/96	07:21	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	0	03/14/96	07:21	DH
sur-Phenol-d6 %R 10-94	SW8270	0	0	03/14/96	07:21	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	14	03/14/96	07:21	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	67	03/14/96	07:21	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/14/96	07:21	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	75	03/14/96	07:21	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

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— Project Information —

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

— Sample Information —

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/09/96	12:30	SB
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	14:52	DH
3-Methylphenol	SW8270	100	30.8 J CE	03/14/96	14:52	DH
2-Methylphenol	SW8270	100	29.3 J	03/14/96	14:52	DH
4-Methylphenol	SW8270	100	30.8 J CE	03/14/96	14:52	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/14/96	14:52	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/14/96	14:52	DH
Hexachlorobenzene	SW8270	100	Not Det	03/14/96	14:52	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/14/96	14:52	DH
Hexachloroethane	SW8270	100	Not Det	03/14/96	14:52	DH
Nitrobenzene	SW8270	100	Not Det	03/14/96	14:52	DH
Pentachlorophenol	SW8270	300	Not Det	03/14/96	14:52	DH
Pyridine	SW8270	200	Not Det	03/14/96	14:52	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/14/96	14:52	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/14/96	14:52	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	60	03/14/96	14:52	DH
sur-Phenol-d6 %R 10-94	SW8270	0	60	03/14/96	14:52	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	73	03/14/96	14:52	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	98	03/14/96	14:52	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	62	03/14/96	14:52	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	86	03/14/96	14:52	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Station ID: A4

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/10/96	11:45	BP
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/13/96	11:22	DH
3-Methylphenol	SW8270	100	Not Det	03/13/96	11:22	DH
2-Methylphenol	SW8270	100	Not Det	03/13/96	11:22	DH
4-Methylphenol	SW8270	100	Not Det	03/13/96	11:22	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/13/96	11:22	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/13/96	11:22	DH
Hexachlorobenzene	SW8270	100	Not Det	03/13/96	11:22	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/13/96	11:22	DH
Hexachloroethane	SW8270	100	Not Det	03/13/96	11:22	DH
Nitrobenzene	SW8270	100	Not Det	03/13/96	11:22	DH
Pentachlorophenol	SW8270	300	Not Det	03/13/96	11:22	DH
Pyridine	SW8270	200	Not Det	03/13/96	11:22	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/13/96	11:22	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/13/96	11:22	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	53	03/13/96	11:22	DH
sur-Phenol-d6 %R 10-94	SW8270	0	40	03/13/96	11:22	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	57	03/13/96	11:22	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	78	03/13/96	11:22	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	51	03/13/96	11:22	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	63	03/13/96	11:22	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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--- Project Information ---

Station ID: C1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/09/96	12:30	SB
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/14/96	08:11	DH
3-Methylphenol	SW8270	100	53.3 J CE	03/14/96	08:11	DH
2-Methylphenol	SW8270	100	Not Det	03/14/96	08:11	DH
4-Methylphenol	SW8270	100	53.3 J CE	03/14/96	08:11	DH
1,4-Dichlorobenzene	SW8270	100	Not Det	03/14/96	08:11	DH
2,4-Dinitrotoluene	SW8270	100	Not Det	03/14/96	08:11	DH
Hexachlorobenzene	SW8270	100	Not Det	03/14/96	08:11	DH
Hexachlorobutadiene	SW8270	100	Not Det	03/14/96	08:11	DH
Hexachloroethane	SW8270	100	Not Det	03/14/96	08:11	DH
Nitrobenzene	SW8270	100	Not Det	03/14/96	08:11	DH
Pentachlorophenol	SW8270	300	Not Det	03/14/96	08:11	DH
Pyridine	SW8270	200	Not Det	03/14/96	08:11	DH
2,4,5-Trichlorophenol	SW8270	200	Not Det	03/14/96	08:11	DH
2,4,6-Trichlorophenol	SW8270	100	Not Det	03/14/96	08:11	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	21	03/14/96	08:11	DH
sur-Phenol-d6 %R 10-94	SW8270	0	0	03/14/96	08:11	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	96	03/14/96	08:11	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	91	03/14/96	08:11	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	0	03/14/96	08:11	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	83	03/14/96	08:11	DH

Remarks:

Signed: _____

James M.G. Tusci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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--- Project Information ---

Station ID: A3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86031

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	05:29	DH
Acenaphthene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Acenaphthylene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Anthracene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benz(a)anthracene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benzo(b)fluoranthene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benzo(k)fluoranthene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benzo(g,h,i)perylene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benzo(a)pyrene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Benzoic acid	SW8270	18900000	Not Det	03/14/96	05:29	DH
Benzyl alcohol	SW8270	7560000	Not Det	03/14/96	05:29	DH
bis(2-Chloroethoxy)methane	SW8270	3780000	Not Det	03/14/96	05:29	DH
bis(2-Chloroethyl)ether	SW8270	3780000	Not Det	03/14/96	05:29	DH
bis(2-Chloroisopropyl)ether	SW8270	3780000	Not Det	03/14/96	05:29	DH
bis(2-Ethylhexyl)phthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH
4-Bromophenyl phenyl ether	SW8270	3780000	Not Det	03/14/96	05:29	DH
Butyl benzyl phthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH
4-Chloroaniline	SW8270	7560000	Not Det	03/14/96	05:29	DH
4-Chloro-3-methylphenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
2-Chloronaphthalene	SW8270	3780000	Not Det	03/14/96	05:29	DH
2-Chlorophenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
4-Chlorophenyl phenyl ether	SW8270	3780000	Not Det	03/14/96	05:29	DH
Chrysene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Dibenz(a,h)anthracene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Dibenzofuran	SW8270	3780000	Not Det	03/14/96	05:29	DH
Di-n-butylphthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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Station ID: A3 MS

BAILEY PROJECT GE3913

Lab ID: AA86031

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
1,3-Dichlorobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
1,4-Dichlorobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
3,3'-Dichlorobenzidine	SW8270	7560000	Not Det	03/14/96	05:29	DH
2,4-Dichlorophenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
Diethylphthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH
2,4-Dimethylphenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
Dimethylphthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH
4,6-Dinitro-2-methylphenol	SW8270	18900000	Not Det	03/14/96	05:29	DH
2,4-Dinitrophenol	SW8270	18900000	Not Det	03/14/96	05:29	DH
2,4-Dinitrotoluene	SW8270	3780000	Not Det	03/14/96	05:29	DH
2,6-Dinitrotoluene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Di-n-octylphthalate	SW8270	3780000	Not Det	03/14/96	05:29	DH
Fluoranthene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Fluorene	SW8270	3780000	97600 J	03/14/96	05:29	DH
Hexachlorobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Hexachlorobutadiene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Hexachlorocyclopentadiene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Hexachloroethane	SW8270	3780000	Not Det	03/14/96	05:29	DH
Indeno(1,2,3-cd)pyrene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Isophorone	SW8270	3780000	Not Det	03/14/96	05:29	DH
2-Methylnaphthalene	SW8270	3780000	Not Det	03/14/96	05:29	DH
2-Methylphenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
4-Methylphenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
Naphthalene	SW8270	3780000	385900 J	03/14/96	05:29	DH
2-Nitroaniline	SW8270	18900000	Not Det	03/14/96	05:29	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

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Station ID: A3 MS

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86031

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	18900000	Not Det	03/14/96	05:29	DH
4-Nitroaniline	SW8270	18900000	Not Det	03/14/96	05:29	DH
Nitrobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
2-Nitrophenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
4-Nitrophenol	SW8270	18900000	Not Det	03/14/96	05:29	DH
n-Nitrosodiphenylamine	SW8270	3780000	Not Det	03/14/96	05:29	DH
n-Nitrosodi-n-propylamine	SW8270	3780000	Not Det	03/14/96	05:29	DH
Pentachlorophenol	SW8270	11300000	Not Det	03/14/96	05:29	DH
Phenanthrene	SW8270	3780000	Not Det	03/14/96	05:29	DH
Phenol	SW8270	3780000	Not Det	03/14/96	05:29	DH
Pyrene	SW8270	3780000	Not Det	03/14/96	05:29	DH
1,2,4-Trichlorobenzene	SW8270	3780000	Not Det	03/14/96	05:29	DH
2,4,5-Trichlorophenol	SW8270	7560000	Not Det	03/14/96	05:29	DH
2,4,6-Trichlorophenol	SW8270	3780000	Not Det	03/14/96	05:29	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

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--- Project Information ---

Station ID: A3 MS

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86031

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/07/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	05:29	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	05:29	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	05:29	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	05:29	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	05:29	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	05:29	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/20/96

--- Project Information ---

Station ID: A3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/14/96	06:23	DH
Acenaphthene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Acenaphthylene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Anthracene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benz(a)anthracene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benzo(b)fluoranthene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benzo(k)fluoranthene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benzo(g,h,i)perylene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benzo(a)pyrene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Benzoic acid	SW8270	20100000	Not Det	03/14/96	06:23	DH
Benzyl alcohol	SW8270	8040000	Not Det	03/14/96	06:23	DH
bis(2-Chloroethoxy)methane	SW8270	4020000	Not Det	03/14/96	06:23	DH
bis(2-Chloroethyl)ether	SW8270	4020000	Not Det	03/14/96	06:23	DH
bis(2-Chloroisopropyl)ether	SW8270	4020000	Not Det	03/14/96	06:23	DH
bis(2-Ethylhexyl)phthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH
4-Bromophenyl phenyl ether	SW8270	4020000	Not Det	03/14/96	06:23	DH
Butyl benzyl phthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH
4-Chloroaniline	SW8270	8040000	Not Det	03/14/96	06:23	DH
4-Chloro-3-methylphenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
2-Chloronaphthalene	SW8270	4020000	Not Det	03/14/96	06:23	DH
2-Chlorophenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
4-Chlorophenyl phenyl ether	SW8270	4020000	Not Det	03/14/96	06:23	DH
Chrysene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Dibenz(a,h)anthracene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Dibenzofuran	SW8270	4020000	Not Det	03/14/96	06:23	DH
Di-n-butylphthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
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Station ID: A3 MSD

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
1,3-Dichlorobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
1,4-Dichlorobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
3,3'-Dichlorobenzidine	SW8270	8040000	Not Det	03/14/96	06:23	DH
2,4-Dichlorophenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
Diethylphthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH
2,4-Dimethylphenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
Dimethylphthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH
4,6-Dinitro-2-methylphenol	SW8270	20100000	Not Det	03/14/96	06:23	DH
2,4-Dinitrophenol	SW8270	20100000	Not Det	03/14/96	06:23	DH
2,4-Dinitrotoluene	SW8270	4020000	Not Det	03/14/96	06:23	DH
2,6-Dinitrotoluene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Di-n-octylphthalate	SW8270	4020000	Not Det	03/14/96	06:23	DH
Fluoranthene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Fluorene	SW8270	4020000	88725 J	03/14/96	06:23	DH
Hexachlorobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Hexachlorobutadiene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Hexachlorocyclopentadiene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Hexachloroethane	SW8270	4020000	Not Det	03/14/96	06:23	DH
Indeno(1,2,3-cd)pyrene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Isophorone	SW8270	4020000	Not Det	03/14/96	06:23	DH
2-Methylnaphthalene	SW8270	4020000	Not Det	03/14/96	06:23	DH
2-Methylphenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
4-Methylphenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
Naphthalene	SW8270	4020000	413500 J	03/14/96	06:23	DH
2-Nitroaniline	SW8270	20100000	Not Det	03/14/96	06:23	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/20/96

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--- Project Information ---

Station ID: A3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	20100000	Not Det	03/14/96	06:23	DH
4-Nitroaniline	SW8270	20100000	Not Det	03/14/96	06:23	DH
Nitrobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
2-Nitrophenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
4-Nitrophenol	SW8270	20100000	Not Det	03/14/96	06:23	DH
n-Nitrosodiphenylamine	SW8270	4020000	Not Det	03/14/96	06:23	DH
n-Nitrosodi-n-propylamine	SW8270	4020000	Not Det	03/14/96	06:23	DH
Pentachlorophenol	SW8270	12100000	Not Det	03/14/96	06:23	DH
Phenanthrene	SW8270	4020000	Not Det	03/14/96	06:23	DH
Phenol	SW8270	4020000	Not Det	03/14/96	06:23	DH
Pyrene	SW8270	4020000	Not Det	03/14/96	06:23	DH
1,2,4-Trichlorobenzene	SW8270	4020000	Not Det	03/14/96	06:23	DH
2,4,5-Trichlorophenol	SW8270	8040000	Not Det	03/14/96	06:23	DH
2,4,6-Trichlorophenol	SW8270	4020000	Not Det	03/14/96	06:23	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/20/96

Page 4

--- Project Information ---

Station ID: A3 MSD

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA86032

Collector:

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	0	03/14/96	06:23	DH
sur-Phenol-d6 %R 24-113	SW8270	0	0	03/14/96	06:23	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	0	03/14/96	06:23	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	0	03/14/96	06:23	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	0	03/14/96	06:23	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	0	03/14/96	06:23	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000321

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SSB8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/13/96	22:20	DH
Acenaphthene	SW8270	333	Not Det	03/13/96	22:20	DH
Acenaphthylene	SW8270	333	Not Det	03/13/96	22:20	DH
Anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Benz(a)anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(b)fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(k)fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(g,h,i)perylene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzo(a)pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
Benzoic acid	SW8270	1670	Not Det	03/13/96	22:20	DH
Benzyl alcohol	SW8270	667	Not Det	03/13/96	22:20	DH
bis(2-Chloroethoxy)methane	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Chloroethyl)ether	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Chloroisopropyl)ether	SW8270	333	Not Det	03/13/96	22:20	DH
bis(2-Ethylhexyl)phthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4-Bromophenyl phenyl ether	SW8270	333	Not Det	03/13/96	22:20	DH
Butyl benzyl phthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4-Chloroaniline	SW8270	667	Not Det	03/13/96	22:20	DH
4-Chloro-3-methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
2-Chloronaphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Chlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Chlorophenyl phenyl ether	SW8270	333	Not Det	03/13/96	22:20	DH
Chrysene	SW8270	333	Not Det	03/13/96	22:20	DH
Dibenz(a,h)anthracene	SW8270	333	Not Det	03/13/96	22:20	DH
Dibenzofuran	SW8270	333	Not Det	03/13/96	22:20	DH
Di-n-butylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 2

--- Project Information ---

Station ID: SSB8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
1,3-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
1,4-Dichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
3,3'-Dichlorobenzidine	SW8270	667	Not Det	03/13/96	22:20	DH
2,4-Dichlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH
Diethylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
2,4-Dimethylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
Dimethylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
4,6-Dinitro-2-methylphenol	SW8270	1670	Not Det	03/13/96	22:20	DH
2,4-Dinitrophenol	SW8270	1670	Not Det	03/13/96	22:20	DH
2,4-Dinitrotoluene	SW8270	333	Not Det	03/13/96	22:20	DH
2,6-Dinitrotoluene	SW8270	333	Not Det	03/13/96	22:20	DH
Di-n-octylphthalate	SW8270	333	Not Det	03/13/96	22:20	DH
Fluoranthene	SW8270	333	Not Det	03/13/96	22:20	DH
Fluorene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorobutadiene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachlorocyclopentadiene	SW8270	333	Not Det	03/13/96	22:20	DH
Hexachloroethane	SW8270	333	Not Det	03/13/96	22:20	DH
Indeno(1,2,3-cd)pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
Isophorone	SW8270	333	Not Det	03/13/96	22:20	DH
2-Methylnaphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Methylphenol	SW8270	333	Not Det	03/13/96	22:20	DH
Naphthalene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 3

Station ID: SSB8018

BAILEY PROJECT GE3913

Lab ID: AA85980

Collector:

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH
4-Nitroaniline	SW8270	1670	Not Det	03/13/96	22:20	DH
Nitrobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
2-Nitrophenol	SW8270	333	Not Det	03/13/96	22:20	DH
4-Nitrophenol	SW8270	1670	Not Det	03/13/96	22:20	DH
n-Nitrosodiphenylamine	SW8270	333	Not Det	03/13/96	22:20	DH
n-Nitrosodi-n-propylamine	SW8270	333	Not Det	03/13/96	22:20	DH
Pentachlorophenol	SW8270	1000	Not Det	03/13/96	22:20	DH
Phenanthrene	SW8270	333	Not Det	03/13/96	22:20	DH
Phenol	SW8270	333	Not Det	03/13/96	22:20	DH
Pyrene	SW8270	333	Not Det	03/13/96	22:20	DH
1,2,4-Trichlorobenzene	SW8270	333	Not Det	03/13/96	22:20	DH
2,4,5-Trichlorophenol	SW8270	667	Not Det	03/13/96	22:20	DH
2,4,6-Trichlorophenol	SW8270	333	Not Det	03/13/96	22:20	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 4

--- Project Information ---

Station ID: SSB8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85980

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	46	03/13/96	22:20	DH
sur-Phenol-d6 %R 24-113	SW8270	0	49	03/13/96	22:20	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	60	03/13/96	22:20	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	63	03/13/96	22:20	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	43	03/13/96	22:20	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	61	03/13/96	22:20	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

TENTATIVELY IDENTIFIED COMPOUND

LAW ENGINEERING AND ENVIRONMENTAL SERVICES
SEMI-VOLATILE

Project No. :	GE-3913	Project Name:	Bailey
Labworks ID :	AA85980	Matrix: (soil/water)	Soil
SDG No. :	01B88124	Level: (low/med)	Low
Client ID :	SSB8018	Units:	ug/Kg

COMPOUND NAME	R.T.	CONCENTRATION

None Detected

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

Page 1

— Project Information —

Station ID: TCLPSB8014

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

— Sample Information —

Lab ID: AA82832

Collector:

Date Sampled: 03/09/96

Time Sampled: 12:30

Log In Date: 03/09/96

Log In Time: 12:30

— Test Information —

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-1311 TCLP Ext Semi S	SW1311		Done	03/09/96	12:30	SB
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/12/96	17:47	DH
3-Methylphenol	SW8270	10.0	Not Det	03/12/96	17:47	DH
2-Methylphenol	SW8270	10.0	Not Det	03/12/96	17:47	DH
4-Methylphenol	SW8270	10.0	Not Det	03/12/96	17:47	DH
1,4-Dichlorobenzene	SW8270	10.0	Not Det	03/12/96	17:47	DH
2,4-Dinitrotoluene	SW8270	10.0	Not Det	03/12/96	17:47	DH
Hexachlorobenzene	SW8270	10.0	Not Det	03/12/96	17:47	DH
Hexachlorobutadiene	SW8270	10.0	Not Det	03/12/96	17:47	DH
Hexachloroethane	SW8270	10.0	Not Det	03/12/96	17:47	DH
Nitrobenzene	SW8270	10.0	Not Det	03/12/96	17:47	DH
Pentachlorophenol	SW8270	30.0	Not Det	03/12/96	17:47	DH
Pyridine	SW8270	20.0	Not Det	03/12/96	17:47	DH
2,4,5-Trichlorophenol	SW8270	20.0	Not Det	03/12/96	17:47	DH
2,4,6-Trichlorophenol	SW8270	10.0	Not Det	03/12/96	17:47	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	57	03/12/96	17:47	DH
sur-Phenol-d6 %R 10-94	SW8270	0	44	03/12/96	17:47	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	66	03/12/96	17:47	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	77	03/12/96	17:47	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	43	03/12/96	17:47	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	70	03/12/96	17:47	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000307

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SWB8017

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85993

Collector:

Date Sampled: 03/10/96

Time Sampled: 11:45

Log In Date: 03/10/96

Log In Time: 11:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/12/96	16:00	DH
3-Methylphenol	SW8270	10.0	Not Det	03/12/96	16:00	DH
2-Methylphenol	SW8270	10.0	Not Det	03/12/96	16:00	DH
4-Methylphenol	SW8270	10.0	Not Det	03/12/96	16:00	DH
1,4-Dichlorobenzene	SW8270	10.0	Not Det	03/12/96	16:00	DH
2,4-Dinitrotoluene	SW8270	10.0	Not Det	03/12/96	16:00	DH
Hexachlorobenzene	SW8270	10.0	Not Det	03/12/96	16:00	DH
Hexachlorobutadiene	SW8270	10.0	Not Det	03/12/96	16:00	DH
Hexachloroethane	SW8270	10.0	Not Det	03/12/96	16:00	DH
Nitrobenzene	SW8270	10.0	Not Det	03/12/96	16:00	DH
Pentachlorophenol	SW8270	30.0	Not Det	03/12/96	16:00	DH
Pyridine	SW8270	20.0	Not Det	03/12/96	16:00	DH
2,4,5-Trichlorophenol	SW8270	20.0	Not Det	03/12/96	16:00	DH
2,4,6-Trichlorophenol	SW8270	10.0	Not Det	03/12/96	16:00	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	66	03/12/96	16:00	DH
sur-Phenol-d6 %R 10-94	SW8270	0	63	03/12/96	16:00	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	81	03/12/96	16:00	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	79	03/12/96	16:00	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	63	03/12/96	16:00	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	71	03/12/96	16:00	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : SSB8018

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/11/96
SDGs Included : 01B88124 02B88173

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
SSB8018	AA85980	3/11/96	SQ	LB
SSL8018	AA85981	3/11/96	SQ	BS
A3 MS	AA86031	3/7/96	SQ	MS
A3 MSD	AA86032	3/7/96	SQ	SD
A3	AA88129	3/7/96	SO	N

LCS : SW8270
Initial
Extraction Method : SW3550
Matrix : SQ
Units : ug/Kg

Sample Name : SSL8018
LIMS Sample ID : AA85981
Date of Extraction : 3/11/96
Time of Extraction : 08:45
Date of Analysis : 3/13/96
Time of Analysis : 23:14

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,2,4-Trichlorobenzene	1,670	964	58		44	142	PR
1,2-Dichlorobenzene	1,670	856	51		32	126	PR
1,3-Dichlorobenzene	1,670	840	50		0	132	PR
1,4-Dichlorobenzene	1,670	862	52		20	124	PR
2,4,5-Trichlorophenol	1,670	1,010	61		35	141	PR
2,4,6-Trichlorophenol	1,670	1,010	61		45	144	PR
2,4-Dichlorophenol	1,670	963	58		39	135	PR
2,4-Dimethylphenol	1,670	634	38		32	119	PR
2,4-Dinitrophenol	1,670	454	27		0	134	PR
2,4-Dinitrotoluene	1,670	1,100	66		47	129	PR
2,6-Dinitrotoluene	1,670	1,140	68		51	132	PR
2-Chloronaphthalene	1,670	1,020	61		60	115	PR
2-Chlorophenol	1,670	879	53		23	127	PR
2-Methylnaphthalene	1,670	983	59		0	146	PR
2-Methylphenol	1,670	879	53		13	141	PR
2-Nitroaniline	3,330	1,600	48		0	130	PR
2-Nitrophenol	1,670	836	50		29	137	PR
3,3'-Dichlorobenzidine	1,670	855	51		0	262	PR
3-Nitroaniline	3,330	1,600	48		0	130	PR
4,6-Dinitro-2-methylphenol	1,670	800	48		0	140	PR
4-Bromophenyl phenyl ether	1,670	916	55	*	60	127	PR
4-Chloro-3-methylphenol	1,670	1,050	63		39	131	PR
4-Chloroaniline	1,670	2,850	171	*	0	134	PR
4-Chlorophenyl phenyl ether	1,670	1,100	66		48	133	PR
4-Methylphenol	1,670	986	59		23	132	PR
4-Nitroaniline	1,670	1,630	98		0	250	PR
4-Nitrophenol	1,670	928	56		0	132	PR
Acenaphthene	1,670	1,060	64		47	135	PR
Acenaphthylene	1,670	1,120	67		33	144	PR
Anthracene	1,670	976	59		40	127	PR
Benz(a)anthracene	1,670	1,160	70		43	136	PR
Benzo(a)pyrene	1,670	1,020	61		17	152	PR
Benzo(b)fluoranthene	1,670	1,040	62		24	153	PR
Benzo(g,h,i)perylene	1,670	1,070	64		0	154	PR
Benzo(k)fluoranthene	1,670	1,130	68		11	162	PR
Benzoic acid	1,670	22.6	1		0	250	PR
Benzyl alcohol	1,670	997	60		0	118	PR
Butyl benzyl phthalate	1,670	1,170	70		54	143	PR
Chrysene	1,670	1,200	72		38	146	PR
Di-n-butylphthalate	1,670	1,160	70		43	118	PR

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

LCS : SW8270
initial
Extraction Method : SW3550
Matrix : SQ
Units : ug/Kg

Sample Name : SSL8018
LIMS Sample ID : AA85981
Date of Extraction : 3/11/96
Time of Extraction : 08:45
Date of Analysis : 3/13/96
Time of Analysis : 23:14

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
Di-n-octylphthalate	1,670	1,190	71		4	146	PR
Dibenz(a,h)anthracene	1,670	988	59		0	166	PR
Dibenzofuran	1,670	1,080	65		0	142	PR
Diethylphthalate	1,670	1,230	74		36	114	PR
Dimethylphthalate	1,670	1,110	67		33	112	PR
Fluoranthene	1,670	1,100	66		41	136	PR
Fluorene	1,670	1,130	68		59	121	PR
Hexachlorobenzene	1,670	960	58		42	144	PR
Hexachlorobutadiene	1,670	970	58		24	116	PR
Hexachlorocyclopentadiene	1,670	821	49		0	121	PR
Hexachloroethane	1,670	912	55		40	113	PR
Indeno(1,2,3-cd)pyrene	1,670	1,820	109		3	153	PR
Isophorone	1,670	928	56		21	134	PR
Naphthalene	1,670	990	59		33	127	PR
Nitrobenzene	1,670	896	54		35	142	PR
Pentachlorophenol	1,670	811	49		14	155	PR
Phenanthrene	1,670	1,020	61		60	120	PR
Phenol	1,670	854	51		29	112	PR
Pyrene	1,670	1,150	69		60	115	PR
bis(2-Chloroethoxy)methane	1,670	992	60		33	154	PR
bis(2-Chloroethyl)ether	1,670	888	53		12	145	PR
bis(2-Chloroisopropyl)ether	1,670	939	56		36	160	PR
bis(2-Ethylhexyl)phthalate	1,670	1,230	74		49	158	PR
n-Nitrosodi-n-propylamine	1,670	850	51		0	139	PR
n-Nitrosodiphenylamine	1,670	2,380	143		0	250	PR

3 - 8270
SEMIVOLATILE
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc. Contract: GE3913

Lab Code: LEESNL-P SDG No.: 01B88124

Sample No.: A3/AA88129 Level:(low/med) LOW

A3MS/AA86031 COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC.	#	QC LIMITS REC.
Acenaphthene	378000	0	0	0	*	47 - 135
Benzo(a)anthracene	378000	0	0	0	*	43 - 136
Benzo(a)pyrene	378000	0	0	0	*	17 - 152
bis(2-Chloroethoxy)methane	378000	0	0	0	*	33 - 154
Butyl benzyl phthalate	378000	0	0	0	*	54 - 143
4-Chloro-3-methylphenol	567000	0	0	0	*	39 - 131
2-Chlorophenol	567000	0	0	0	*	23 - 127
1,4-Dichlorobenzene	378000	0	0	0	*	20 - 124
2,4-Dinitrotoluene	378000	0	0	0	*	47 - 129
Hexachlorobenzene	378000	0	0	0	*	42 - 144
Naphthalene	378000	355000	386000	8	*	33 - 127
4-Nitrophenol	567000	0	0	0	*	D - 132
N-Nitroso-di-n-propylamine	378000	0	0	0	*	D - 139
Pentachlorophenol	567000	0	0	0	*	14 - 155
Phenol	567000	0	0	0	*	29 - 112
Pyrene	378000	0	0	0	*	60 - 115
1,2,4-Trichlorobenzene	378000	0	0	0	*	44 - 142

A3MSD/AA86032 COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC.	#	% RPD	#	RPD	QC LIMITS REC.
Acenaphthene	401000	0	0	*			40	47 - 135
Benzo(a)anthracene	401000	0	0	*			40	43 - 136
Benzo(a)pyrene	401000	0	0	*			40	17 - 152
bis(2-Chloroethoxy)methane	401000	0	0	*			40	33 - 154
Butyl benzyl phthalate	401000	0	0	*			40	54 - 143
4-Chloro-3-methylphenol	602000	0	0	*			40	39 - 131
2-Chlorophenol	602000	0	0	*			40	23 - 127
1,4-Dichlorobenzene	401000	0	0	*			40	20 - 124
2,4-Dinitrotoluene	401000	0	0	*			40	47 - 129
Hexachlorobenzene	401000	0	0	*			40	42 - 144
Naphthalene	401000	414000	15	*	57	*	40	33 - 127
4-Nitrophenol	602000	0	0	*			40	D - 132
N-Nitroso-di-n-propylamine	401000	0	0	*			40	D - 139
Pentachlorophenol	602000	0	0	*			40	14 - 155
Phenol	602000	0	0	*			40	29 - 112
Pyrene	401000	0	0	*			40	60 - 115
1,2,4-Trichlorobenzene	401000	0	0	*			40	44 - 142

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID: TCLPSB8014

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date: 03/09/96
SDGs Included : 01B88124

Samples in Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

Law Engineering and Environmental Services, Inc.
National Laboratories - Pensacola

Law Batch ID : SWB8017

Project Name : BAILEY PROJECT
Project Number : GE3913
SDG Number : 01B88124

Concentration Level : LOW
Batch Prep Date : 3/10/96
SDGs Included : 01B88124

Samples In Batch

Sample ID	LIMS ID	Sampled	Matrix	SACODE
TCLPSB8014	AA82832	3/9/96	SQ	LB
SWB8017	AA85993	3/10/96	WQ	LB
SWL8017	AA85994	3/10/96	WQ	BS
A1	AA88124	3/6/96	SO	N
A2	AA88125	3/6/96	SO	N
A2D	AA88126	3/6/96	SO	N
G-PB-FB1	AA88127	3/6/96	WQ	EB
A3	AA88129	3/7/96	SO	N
AB1	AA88130	3/7/96	SO	N
A4	AA88131	3/7/96	SO	N
C1	AA88132	3/7/96	SO	N

LCS : SW8270
Initial
Extraction Method : SW3520
Matrix : WQ
Units : ug/L

Sample Name : SWL8017
LIMS Sample ID : AA85994
Date of Extraction : 3/10/96
Time of Extraction : 11:45
Date of Analysis : 3/12/96
Time of Analysis : 16:53

Analyte	LCS Spike	LCS Conc.	LCS %	*	LCL	UCL	RC
1,4-Dichlorobenzene	50	56	112		20	124	PR
2,4,5-Trichlorophenol	50	67.9	136		38	142	PR
2,4,6-Trichlorophenol	50	96.1	192	*	42	144	PR
2,4-Dinitrotoluene	50	64.4	129		44	135	PR
2-Methylphenol	50	66.5	133		0	169	PR
3-Methylphenol	100	124	124		24	142	PR
4-Methylphenol	100	124	124		24	142	PR
Hexachlorobenzene	50	62	124		34	152	PR
Hexachlorobutadiene	50	57.8	116		33	116	PR
Hexachloroethane	50	47.7	95		40	113	PR
Nitrobenzene	50	72.3	145	*	35	140	PR
Pentachlorophenol	50	63.9	128		14	176	PR

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000313

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3550 SVOA Sonication S	SW3550		Done	03/11/96	08:45	LB
622-8270 Semi-Volatiles S ug/Kg	SW8270		_TITLE_	03/13/96	23:14	DH
Acenaphthene	SW8270	333	1060	03/13/96	23:14	DH
Acenaphthylene	SW8270	333	1120	03/13/96	23:14	DH
Anthracene	SW8270	333	976	03/13/96	23:14	DH
Benz(a)anthracene	SW8270	333	1160	03/13/96	23:14	DH
Benzo(b)fluoranthene	SW8270	333	1040	03/13/96	23:14	DH
Benzo(k)fluoranthene	SW8270	333	1130	03/13/96	23:14	DH
Benzo(g,h,i)perylene	SW8270	333	1070	03/13/96	23:14	DH
Benzo(a)pyrene	SW8270	333	1020	03/13/96	23:14	DH
Benzoic acid	SW8270	1670	22.6 J	03/13/96	23:14	DH
Benzyl alcohol	SW8270	667	997	03/13/96	23:14	DH
bis(2-Chloroethoxy)methane	SW8270	333	992	03/13/96	23:14	DH
bis(2-Chloroethyl)ether	SW8270	333	888	03/13/96	23:14	DH
bis(2-Chloroisopropyl)ether	SW8270	333	939	03/13/96	23:14	DH
bis(2-Ethylhexyl)phthalate	SW8270	333	1230	03/13/96	23:14	DH
4-Bromophenyl phenyl ether	SW8270	333	916	03/13/96	23:14	DH
Butyl benzyl phthalate	SW8270	333	1170	03/13/96	23:14	DH
4-Chloroaniline	SW8270	667	2850	03/13/96	23:14	DH
4-Chloro-3-methylphenol	SW8270	333	1050	03/13/96	23:14	DH
2-Chloronaphthalene	SW8270	333	1020	03/13/96	23:14	DH
2-Chlorophenol	SW8270	333	879	03/13/96	23:14	DH
4-Chlorophenyl phenyl ether	SW8270	333	1100	03/13/96	23:14	DH
Chrysene	SW8270	333	1200	03/13/96	23:14	DH
Dibenz(a,h)anthracene	SW8270	333	988	03/13/96	23:14	DH
Dibenzofuran	SW8270	333	1080	03/13/96	23:14	DH
Di-n-butylphthalate	SW8270	333	1160	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
1,2-Dichlorobenzene	SW8270	333	856	03/13/96	23:14	DH
1,3-Dichlorobenzene	SW8270	333	840	03/13/96	23:14	DH
1,4-Dichlorobenzene	SW8270	333	862	03/13/96	23:14	DH
3,3'-Dichlorobenzidine	SW8270	667	855	03/13/96	23:14	DH
2,4-Dichlorophenol	SW8270	333	963	03/13/96	23:14	DH
Diethylphthalate	SW8270	333	1230	03/13/96	23:14	DH
2,4-Dimethylphenol	SW8270	333	634	03/13/96	23:14	DH
Dimethylphthalate	SW8270	333	1110	03/13/96	23:14	DH
4,6-Dinitro-2-methylphenol	SW8270	1670	800 J	03/13/96	23:14	DH
2,4-Dinitrophenol	SW8270	1670	454 J	03/13/96	23:14	DH
2,4-Dinitrotoluene	SW8270	333	1100	03/13/96	23:14	DH
2,6-Dinitrotoluene	SW8270	333	1140	03/13/96	23:14	DH
Di-n-octylphthalate	SW8270	333	1190	03/13/96	23:14	DH
Fluoranthene	SW8270	333	1100	03/13/96	23:14	DH
Fluorene	SW8270	333	1130	03/13/96	23:14	DH
Hexachlorobenzene	SW8270	333	960	03/13/96	23:14	DH
Hexachlorobutadiene	SW8270	333	970	03/13/96	23:14	DH
Hexachlorocyclopentadiene	SW8270	333	821	03/13/96	23:14	DH
Hexachloroethane	SW8270	333	912	03/13/96	23:14	DH
Indeno(1,2,3-cd)pyrene	SW8270	333	1820	03/13/96	23:14	DH
Isophorone	SW8270	333	928	03/13/96	23:14	DH
2-Methylnaphthalene	SW8270	333	983	03/13/96	23:14	DH
2-Methylphenol	SW8270	333	879	03/13/96	23:14	DH
4-Methylphenol	SW8270	333	986	03/13/96	23:14	DH
Naphthalene	SW8270	333	990	03/13/96	23:14	DH
2-Nitroaniline	SW8270	1670	1600 CE J	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

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Station ID: SSL8018

BAILEY PROJECT GE3913

--- Project Information ---

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
3-Nitroaniline	SW8270	1670	1600 CE J	03/13/96	23:14	DH
4-Nitroaniline	SW8270	1670	1630 J	03/13/96	23:14	DH
Nitrobenzene	SW8270	333	896	03/13/96	23:14	DH
2-Nitrophenol	SW8270	333	836	03/13/96	23:14	DH
4-Nitrophenol	SW8270	1670	928 J	03/13/96	23:14	DH
n-Nitrosodiphenylamine	SW8270	333	2380	03/13/96	23:14	DH
n-Nitrosodi-n-propylamine	SW8270	333	850	03/13/96	23:14	DH
Pentachlorophenol	SW8270	1000	811 J	03/13/96	23:14	DH
Phenanthrene	SW8270	333	1020	03/13/96	23:14	DH
Phenol	SW8270	333	854	03/13/96	23:14	DH
Pyrene	SW8270	333	1150	03/13/96	23:14	DH
1,2,4-Trichlorobenzene	SW8270	333	964	03/13/96	23:14	DH
2,4,5-Trichlorophenol	SW8270	667	1010	03/13/96	23:14	DH
2,4,6-Trichlorophenol	SW8270	333	1010	03/13/96	23:14	DH

LAW ENVIRONMENTAL NATIONAL LABORATORIES

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TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: SSL8018

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85981

Collector:

Date Sampled: 03/11/96

Time Sampled: 08:45

Log In Date: 03/11/96

Log In Time: 08:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
sur-2-Fluorophenol %R 25-121	SW8270	0	50	03/13/96	23:14	DH
sur-Phenol-d6 %R 24-113	SW8270	0	50	03/13/96	23:14	DH
sur-Nitrobenzene-d5 %R 23-120	SW8270	0	59	03/13/96	23:14	DH
sur-2-Fluorobiphenyl %R 30-115	SW8270	0	63	03/13/96	23:14	DH
sur-2,4,6-Tribromophenol %R 19-122	SW8270	0	54	03/13/96	23:14	DH
sur-Terphenyl-d14 %R 18-137	SW8270	0	72	03/13/96	23:14	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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03/19/96

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--- Project Information ---

Station ID: SWL8017

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA85994

Collector:

Date Sampled: 03/10/96

Time Sampled: 11:45

Log In Date: 03/10/96

Log In Time: 11:45

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-3520 SVOA Cont Liq TCLP	SW3520		Done	03/10/96	11:45	BP
622-8270 Semi-VOA TCLP ug/L	SW8270		_TITLE_	03/12/96	16:53	DH
3-Methylphenol	SW8270	10.0	124 CE	03/12/96	16:53	DH
2-Methylphenol	SW8270	10.0	66.5	03/12/96	16:53	DH
4-Methylphenol	SW8270	10.0	124 CE	03/12/96	16:53	DH
1,4-Dichlorobenzene	SW8270	10.0	56.0	03/12/96	16:53	DH
2,4-Dinitrotoluene	SW8270	10.0	64.4	03/12/96	16:53	DH
Hexachlorobenzene	SW8270	10.0	62.0	03/12/96	16:53	DH
Hexachlorobutadiene	SW8270	10.0	57.8	03/12/96	16:53	DH
Hexachloroethane	SW8270	10.0	47.7	03/12/96	16:53	DH
Nitrobenzene	SW8270	10.0	72.3	03/12/96	16:53	DH
Pentachlorophenol	SW8270	30.0	63.9	03/12/96	16:53	DH
Pyridine	SW8270	20.0	Not Det	03/12/96	16:53	DH
2,4,5-Trichlorophenol	SW8270	20.0	67.9	03/12/96	16:53	DH
2,4,6-Trichlorophenol	SW8270	10.0	96.1	03/12/96	16:53	DH
sur-2-Fluorophenol %R 21-100	SW8270	0	64	03/12/96	16:53	DH
sur-Phenol-d6 %R 10-94	SW8270	0	63	03/12/96	16:53	DH
sur-Nitrobenzene-d5 %R 35-114	SW8270	0	72	03/12/96	16:53	DH
sur-2-Fluorobiphenyl %R 43-116	SW8270	0	73	03/12/96	16:53	DH
sur-2,4,6-Tribromophenol %R 10-123	SW8270	0	64	03/12/96	16:53	DH
sur-Terphenyl-d14 %R 38-141	SW8270	0	71	03/12/96	16:53	DH

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	107840		11.11		442657		14.95		291585		20.47	
	UPPER LIMIT	215680		11.61		885314		15.45		583170		20.97	
	LOWER LIMIT	53920		10.61		221329		14.45		145793		19.97	
	EPA SAMPLE NO												
1	SSB8018	114757		11.10		432098		14.93		289929		20.45	
2	SSL8018	98982		11.10		374332		14.94		246266		20.46	
3	A3	130676		11.11		492970		14.95		352245		20.46	
4	A3 MS	129190		11.11		497599		14.94		355867		20.46	
5	A3 MSD	131598		11.11		516794		14.94		383938		20.46	
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	443950		25.16		365815		33.52		358548		37.75	
	UPPER LIMIT	887900		25.66		731630		34.02		717096		38.25	
	LOWER LIMIT	221975		24.66		182908		33.02		179274		37.25	
	EPA SAMPLE NO												
1	SSB8018	526173		25.14		457127		33.49		465865		37.73	
2	SSL8018	446239		25.15		358613		33.51		394491		37.75	
3	A3	637517		25.16		402280		33.50		314158		37.72	
4	A3 MS	644353		25.16		408674		33.50		347204		37.73	
5	A3 MSD	706055		25.16		466882		33.50		395828		37.73	
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94223

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94200 Date Analyzed: 03/12/96

Instrument ID: BNA-2 Time Analyzed: 14:43

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	81789		11.13		345669		14.98		235562		20.50	
	UPPER LIMIT	163578		11.63		691338		15.48		471124		21.00	
	LOWER LIMIT	40895		10.63		172835		14.48		117781		20.00	
	EPA SAMPLE NO												
1	SWB8017	91400		11.14		354520		14.97		240579		20.51	
2	SWL8017	94113		11.13		369284		14.97		247268		20.49	
3	TCLPSB8014	95907		11.21		351940		14.98		231664		20.48	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94200 Date Analyzed: 03/12/96

Instrument ID: BNA-2 Time Analyzed: 14:43

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	395077		25.19		308196		33.56		239498		37.78	
	UPPER LIMIT	790154		25.69		616392		34.06		478996		38.28	
	LOWER LIMIT	197539		24.69		154098		33.06		119749		37.28	
	EPA SAMPLE NO												
1	SWB8017	450911		25.19		356974		33.54		248269		37.78	
2	SWL8017	462374		25.19		343978		33.53		234389		37.75	
3	TCLPSB8014	424497		25.18		312182		33.54		205870		37.76	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94200

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94207 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 07:51

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	84413		11.13		359754		14.98		246043		20.49	
	UPPER LIMIT	168826		11.63		719508		15.48		492086		20.99	
	LOWER LIMIT	42207		10.63		179877		14.48		123022		19.99	
	EPA SAMPLE NO												
1	G-PB-FB1	79802		11.12		305722		14.95		201958		20.47	
2	A4	125800		11.14		460247		14.96		309499		20.49	
3	A2D	140359		11.14		517574		14.98		381077		20.51	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94207 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 07:51

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	398899		25.19		295779		33.55		231518		37.76	
	UPPER LIMIT	797798		25.69		591558		34.05		463036		38.26	
	LOWER LIMIT	199450		24.69		147890		33.05		115759		37.26	
	EPA SAMPLE NO												
1	G-PB-FB1	370480		25.17		280903		33.51		253131		37.75	
2	A4	562598		25.19		391626		33.53		195845		37.75	
3	A2D	731455		25.24		534785		33.55		415862		37.78	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94207

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	107840		11.11		442657		14.95		291585		20.47	
	UPPER LIMIT	215680		11.61		885314		15.45		583170		20.97	
	LOWER LIMIT	53920		10.61		221329		14.45		145793		19.97	
	EPA SAMPLE NO												
1	A3	153860		11.26		875504		15.08		178697		20.43	
2	C1	145542		11.17		594262		15.01		382965		20.52	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94223 Date Analyzed: 03/13/96

Instrument ID: BNA-2 Time Analyzed: 21:26

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	443950		25.16		365815		33.52		358548		37.75	
	UPPER LIMIT	887900		25.66		731630		34.02		717096		38.25	
	LOWER LIMIT	221975		24.66		182908		33.02		179274		37.25	
	EPA SAMPLE NO												
1	A3	378239		24.98		425122		33.52		259831		37.73	
2	C1	646670		25.32		475276		33.53		294987		37.75	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94238 Date Analyzed: 03/14/96

Instrument ID: BNA-2 Time Analyzed: 12:39

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	105269		11.06		420328		14.91		282139		20.41	
	UPPER LIMIT	210538		11.56		840656		15.41		564278		20.91	
	LOWER LIMIT	52635		10.56		210164		14.41		141070		19.91	
	EPA SAMPLE NO												
1	AB1	129998		11.09		460464		14.90		334220		20.42	
2	A1	180084		11.09		633774		14.93		447391		20.43	
3	A2	169408		11.03		552967		14.90		397142		20.42	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94238 Date Analyzed: 03/14/96

Instrument ID: BNA-2 Time Analyzed: 12:39

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	466713		25.10		430496		33.48		451471		37.69	
	UPPER LIMIT	933426		25.60		860992		33.98		902942		38.19	
	LOWER LIMIT	233357		24.60		215248		32.98		225736		37.19	
	EPA SAMPLE NO												
1	AB1	592706		25.14		481532		33.47		335208		37.68	
2	A1	810302		25.16		686318		33.47		701359		37.70	
3	A2	721153		25.15		589159		33.47		678319		37.71	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

sis94238

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No.: SDG NO.: 01B88124

Lab File ID (Standard): 94253 Date Analyzed: 03/15/96

Instrument ID: BNA-2 Time Analyzed: 01:48

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	109733		11.07		440802		14.91		309031		20.43	
	UPPER LIMIT	219466		11.57		881604		15.41		618062		20.93	
	LOWER LIMIT	54867		10.57		220401		14.41		154516		19.93	
	EPA SAMPLE NO												
1	A1 RE	108577		11.11		470920		14.97		289880		20.44	
2	A2 RE	105895		11.07		446542		14.94		276490		20.43	
3	A2D RE	111591		11.10		460432		14.95		288441		20.44	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Law Environmental, Inc. Contract No.: GE3913

Lab Code: LENL-P Case No. 0 SDG NO.: 01B88124

Lab File ID (Standard): 94253 Date Analyzed: 03/15/96

Instrument ID: BNA-2 Time Analyzed: 01:48

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	493502		25.12		420700		33.49		391944		37.72	
	UPPER LIMIT	987004		25.62		841400		33.99		783888		38.22	
	LOWER LIMIT	246751		24.62		210350		32.99		195972		37.22	
	EPA SAMPLE NO												
1	A1 RE	519460		25.22		419593		33.47		233021		37.69	
2	A2 RE	488788		25.21		390848		33.47		280293		37.69	
3	A2D RE	515854		25.20		420227		33.48		392069		37.70	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

is94253

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

DV:09/08/95

000330

Client: Bailey Site - Pit B

Case:

Form Initiated 03/08/96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
04	S	CMT	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	8050A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
04	S	JRC	9010	SR	3/13/96	0800	SR	3/13/96	1700	Y-S
04	S	KLC	8240	SR	3/19/96	12:00	GCMS	3/19/96	12:05	N-S
01-07	S	R	(1)	SR	3/11/96	0900	SR	3/11/96	1700	S-Y

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

(1) Ignitibility, Paint Filter, Ph+Moisture, ZHE, TCLP

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM O-PIC
LEESNL-PENSACOLA, FL

Page 1 of 1

090331

Client: Bailey

Case: GE-3913

Form Initiated 3 / 1 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Custody From:

Custody To:

Y=Yes/N=

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01	S	L.R.	8270				OPreD	3-13-96	0940	X
1	X	DL	8270				GCMS	[illegible]	[illegible]	Y-X

SAMPLES CONSTITUTING THIS BATCH

Matrix: Water Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA 88125	11:
02:	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

000332

Client: Bailey Site - Pit B

Case: GE-3913

Form Initiated 3/8/96

SDG: 88124

S=Sample/X=Extract/D=Digestate				Custody From:			Custody To:			Y=Yes/N=No:
Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Location	Date	Time	Location	Date	Time	Complete Y/N S/X/D
01-02	S	MM	8240	SR	3/8/96	12:00	AC/HJ	3/8/96	12:00	
01	S	CM	7470A	SR	3-12-96	0800	SR	3-8-96	1700	Y-S
01	S	DK	A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
01	S	SR	8270	SR	3/10/96	0800	Consumed			

SAMPLES CONSTITUTING THIS BATCH

Matrix: Water

Laboratory Sample ID	Laboratory Sample ID
01: AA88127	11:
02: AA88128	12:
03:	13:
04:	14:
05:	15:
06:	16:
07:	17:
08:	18:
09:	19:
10:	20:

COMMENTS

8240 7470 7060 DK

DV:09/08/95

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

 090333

Client: Briley

Case: GE-3913

Form Initiated 3 / 11 / 96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
01-07	S	L.B.	8270				C Prep	3-11-96	0915	X
1-7	X	DH	8270				GCMS	3/12/96	9:30	Y-X

Matrix: Soil Water

SAMPLES CONSTITUTING THIS BATCH

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

Organics Extraction Bench Sheet

LENL-Pensacola, FL

DV: 030494

Client: Bailey Case: _____ SDG: 02B88173 01B88124

Run Log 51C-8018
Start: 3/11/96 0845
End 3/12/96 1345

Type: BNA / PP / TPH / Other - _____ Matrix: SOIL - ORGANIC

Sonc / Dilln / Tumble SURR: 48J-36 1.0ml / 48J-38 1.0ml Spike: 48J-37 1.0ml

Balance: 004 74B-14 Oven: 001 120B-10 pH: 001 _____

Analysts: Prep SB/KJ Surr KJ Extr KJ Dry KJ Conc SB

Reagents: MeCl2 - 54B-11-11 Na2SO4 - 54B 11-8 Acetone - 54B-10-92

Seq	Sample #	Vol/Wt	End Vol	pH	% Sol.	Dish	Wet	Dry	Appearance		Comments
1	BLKA 8018	30.0ml	1.0ml		—	—	—	—	co/cl	co/cl	AA85980
2	BLKB 8018	30.0	1.0ml		—	—	—	—	co/cl	co/cl	AA8598
3	LCS 8018	30.0	1.0ml		—	—	—	—	co/cl	co/cl	48J-35 2.50ml
4	88129	18.10	40.0ml		69	1.30	3.70	2.95	Blk	Blk/op	
5	88129 ms	13.00	30.0ml		61	1.30	4.52	3.25	Blk	Blk/op	AA86031
6	88129msD	12.25	30.0ml		—	—	—	—	Blk	Blk/op	AA86032
7	88173	30.62	80.0ml		55	1.30	7.53	4.70	Blk	Blk/op	48J-38 1.0ml
8	88176	31.81	30.0ml		27	1.32	6.20	2.63	Blk	Blk/op	↓
9	88178	29.22	50.0ml		56	1.33	8.51	5.33	Blk	Blk/op	
10	88180	30.86	60.0ml		38	1.35	7.66	3.77	Blk	Blk/op	
11	88185	30.44	40.0ml		28	1.33	7.35	3.01	Blk	Blk/op	48J-38 1.0ml
12											
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00034

DV:021892
LENL-Pensacola
TECH: SMB

TCLP PREP SHEET
Bailey

RL# 51C-8014

EXTRACTION INFORMATION:
BEGIN DATE: 3-9-96 TIME: 1230
END DATE: 3-10-96 TIME: 1000

C/M/R: BALANCE ____:_____ OVEN 006:_____
FLUID #1 REF: 4.94
FLUID #2 REF:_____

SAMPLE I.D.	FLUID TYPE	WGT. OF SAMPLE EXTR.	WGT. OF FLUID	AMOUNT OF FLUID COLLECTED	Final pH	COMMENTS
BLK	Type 1	—	1000ml	1000	5	4482832
88124		75.38	1500 ml	~~1000~~ DCT 1500	5	
88125		75.50	1500 ml	~~1000~~ DCT 1500	5	
88126		75.50	1500 ml	1500	5	
88129		75.50	1500 ml	1500	6	
88130		150.32	3000 ml	1500	6	
88131		75.12	1500 ml	1500	6	
88132		75.07	1500 ml	1500	6	

000335

DV:060990
LENL-Pensacola, FL

TCLP Characterization Bench Sheet

Date 3 / 8 / 96 Initials SOB

RL # SIC-8014
Page 1 of 1

Balance: System ID 746-16 C/M/R Ref: _____ pH: System ID * C/M/R Ref: _____

Oven: System ID _____ C/M/R Ref: _____ Drying Time In _____ Out _____

Sample # ID	Wgt. CV	Wgt. CV+S	Wgt. TV	Wgt. TV+S	Wgt. TV-S	Wgt. F	Wgt. F+S	% Solids	% Dry Solids	pH #1	pH #2	Part. Size	Hmg.	Comments
88/24							----							
88/25							----							
88/26							----							
88/27							----							
88/28							----							
88/29							----							
88/30							----							
88/31							----							
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---------							----							
---------							----							* Since the samples
---------							----							were verify
---------							----							The characterization
---------							----							was done by Ph paper
---------							----							all samples were
---------							----							less than 2 when
---------							----							the 3.5ml of HCl
---------							----							was added
---------							----							
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CV = Collection Vessel TV = Transfer Vessel F = Filter S = Sample

Organics Extraction Bench Sheet

LENL-Pensacola, FL

DV:030494

Run Log # 51C - 8017

Client: BAILEY Case: SDG: 01B88124 Start 3-10-96 / 1145

Type: (BNA) / PP / TPH / Other - Matrix: (WATER) - ORGANIC End: 3-11-96 / 1500

Sep F / (L-L) / Diltn SURR: 48J-36 (1mL) Spike: 48J-37 (1mL)

Analysts: Prep DRT Surr DRT Extr DRT Dry B.P. Conc B.P

Reagents: CH_2Cl_2 54B 11-11 Na_2SO_4 54B 11-8 $MeCl_2$ 54B 11-11

Seq	Sample #	(Vol) Wt	End Vol	pH	Appearance		Comments
1	BLK A 8017	1000 mL	1 mL	7	co/cl	co/cl	AA859923
2	BLK B 8017	1000 mL		7	co/cl	co/cl	
3	LCS 8017	1000 mL		7	co/cl	co/cl	48J-25 (200µL) AA859934
4	TCLP BLK	1000 mL		5	co/cl	co/cl	RL# 8014 AA82832
5	AA88124	1000 mL		5	y/cl	or/cl	
6	AA88125	1000 mL		5	y/cl	or/cld	
7	AA88126	1000 mL		5	y/cl	or/cld	
8	AA88129	1000 mL		6	y/cl	or/cl	
9	AA88130	1000 mL		6	co/cl	y/cl	
10	AA88131	1000 mL		6	co/cl	y/cl	
11	AA88132	1000 mL		6	y/cl	or/cl	
12	AA88127	1000 mL		6	co/cl	co/cl	
13	AA88127 MS	500 mL		6	co/cl	co/cl	
14	AA88127 MSD	500 mL	1 mL	6	co/cl	co/cl	
15							
16							
17							
18							
19							
20							
21							
22							
23							

000337

CA2BCQ
000341
CA2BCQ
AFCEE

Initial Calibration Data
HSL Compounds

Case No: _____ Instrument ID: RNA-2

Contractor: IAW Calibration Date: 03/12/96

Contract No: _____

Minimum RF for SPCC is 0.05 Maximum % RSD for CCC is 30%

Laboratory ID:	>94128	>94127	>94123	>94126	>94125	>94124						
	RF	RF	RF	RF	RF	RF						
Compound	7.50	20.00	50.00	80.00	120.00	160.00	RRT	RF	% RSD	CORR1	CCC	SPCC
Pyridine	.19156	.21327	.16765	.24327	.21083	.20289	.359	.20490	12.243	.991681		
N-Nitrosodimethylamine	.44533	.55623	.52940	.55869	.61207	.61686	.362	.55310	11.366	.998209		
2-Fluorophenol	.79016	1.02687	1.02965	1.01093	1.03105	1.09205	.674	.99762	10.618	.998841		
Aniline	1.03674	.64723	.42908	.37119	.25686	.09999	.918	.47360	69.806	.500809		
Phenol-d6	1.32352	1.53329	1.50357	1.40506	1.42087	1.48670	.925	1.44550	5.350	.999111		
Phenol	1.25642	1.53131	1.55919	1.37465	1.37970	1.33254	.929	1.40564	8.334	.998491	*	
bis(2-Chloroethyl)ether	1.29482	1.37829	1.23293	1.15726	1.16165	1.20344	.946	1.23815	6.910	.999245		
2-Chlorophenol	1.11628	1.31328	1.21919	1.16700	1.14269	1.20368	.945	1.19385	5.851	.999059		
1,3-Dichlorobenzene	1.[illegible]86	1.50648	1.40341	1.32377	1.31564	1.32618	.983	1.37191	5.350	.999733		
1,4-Dichlorobenzene	1.39174	1.53564	1.39941	1.30697	1.26155	1.27892	1.005	1.36237	7.518	.999431	*	
Benzyl alcohol	.60941	.80583	.74051	.59776	.65053	.75450	1.049	.69296	12.322	.990081		
1,2-Dichlorobenzene	1.36543	1.50713	1.37721	1.28659	1.25649	1.25978	1.042	1.34211	7.162	.999570		
2-Methylphenol	1.00031	1.22159	1.12163	1.09527	1.14551	1.04686	1.084	1.10506	7.014	.997206		
bis(2-Chloroisopropyl)ether	1.36559	1.50915	1.43157	1.28829	1.27121	1.37876	1.088	1.37409	6.475	.997519		
3&4-Methylphenol	1.00175	1.25854	1.20713	.94390	.94643	1.00085	1.130	1.05977	12.961	.995938		
N-Nitroso-di-n-propylamine	.75427	.93663	.89953	.79938	.71319	.64194	1.125	.79083	14.158	.989107		**
Hexachloroethane	.54497	.60636	.55615	.45805	.42115	.44667	1.130	.50556	14.569	.995316		
Nitrobenzene-d5	.23908	.30104	.27860	.28959	.28747	.30090	.858	.28278	8.152	.999348		
Nitrobenzene	.28967	.35395	.30234	.31959	.30228	.31616	.862	.31399	7.117	.999083		
Isophorone	.60642	.69453	.66481	.68579	.64011	.64343	.914	.65585	4.972	.999310		
2-Nitrophenol	.15830	.21719	.19952	.20657	.20105	.21183	.926	.19908	10.570	.999220	*	
2,4-Dimethylphenol	.29559	.34434	.31262	.31695	.31626	.33650	.947	.32038	5.473	.998774		
Benzoic acid	.12171	.19821	.22805	.20946	.23916	.25978	.995	.20940	22.988	.996021		
bis(2-Chloroethoxy)methane	.40768	.44801	.41587	.40348	.39797	.41552	.965	.41476	4.268	.999362		
2,4-Dichlorophenol	.23695	.31276	.29003	.27586	.26717	.25773	.978	.27333	9.549	.998287	*	
1,2,4-Trichlorobenzene	.32723	.35992	.31161	.31016	.29944	.30339	.991	.31862	7.018	.999710		
Naphthalene	.97113	1.02225	.87687	.82744	.76618	.77008	1.005	.87233	12.131	.998875		
4-Chloroaniline	.22487	.11836	.01725	.02649	.01870	-	1.031	.07962	113.017	.310907		

RF - Response Factor (Subscript is amount in ng/ul)

RRT - Average Relative Retention Time (RT Std/RT Istd)

RF - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2BCQ

000342

Initial Calibration Data
HSL Compounds

Case No: _____ Instrument ID: RNA-2

Contractor: IAW Calibration Date: 03/12/96

Contract No: _____

Minimum RF for SPCC is 0.05 Maximum % RSD for CCC is 30%

Laboratory ID:	>94128 RF 7.50	>94127 RF 20.00	>94126 RF 50.00	>94126 RF 80.00	>94125 RF 120.00	>94124 RF 160.00	RRT	RF	% RSD	CORR1	CCC	SPCC
Phenanthrene	1.14977	1.18000	1.00102	.92087	.88851	.89345	1.003	1.00560	12.942	.999356		
Anthracene	1.29326	1.30176	1.09346	1.00105	.93072	.91072	1.010	1.08846	16.007	.998388		
Carbazole	-	.18978	.14452	.17666	.14384	.16694	1.033	.16435	12.942	.987974		
Benzidine	-	.00799	.00847	.00868	.00894	.00961	.986	.00874	6.871	.998268		
Di-n-butylphthalate	1.57485	1.66654	1.37721	1.16950	.99571	.96359	1.085	1.29123	22.977	.991003		
Fluoranthene	1.35563	1.42789	1.21995	1.13620	1.04564	1.03516	1.152	1.20258	13.373	.998409	*	
Pyrene	1.28176	1.39438	1.22654	1.19168	1.15872	1.15386	.885	1.23449	7.419	.999745		
Terphenyl-d14	.83756	.98450	.79787	.78719	.79152	.80336	.904	.82033	5.479	.999740		
Butylbenzylphthalate	.64978	.72831	.67491	.64464	.65578	.67775	.954	.67186	4.572	.999381		
3,3'-Dichlorobenzidine	.19708	.16701	.12870	.13522	.14273	.13083	1.000	.15018	17.915	.997372		
Benzo(a)anthracene	1.12497	1.26475	1.16636	1.11174	1.13599	1.20585	.999	1.16828	4.967	.998520		
Chrysene	1.16087	1.21400	1.08069	1.04379	1.01763	1.02208	1.002	1.08985	7.394	.999797		
bis(2-Ethylhexyl)phthalate	.94695	1.05160	.94660	.88586	.85250	.85244	1.010	.92766	8.254	.999401		
Di-n-octylphthalate	1.44363	1.64079	1.40659	1.23027	1.08163	1.06587	.948	1.31138	17.200	.994678	*	
Benzo(b)fluoranthene	1.00397	1.16093	1.10787	1.23351	1.29957	1.34375	.971	1.19160	10.597	.998658		
Benzo(k)fluoranthene	1.04298	1.09034	.95955	.80125	1.29957	1.34375	.973	1.08839	18.954	.979511		
Benzo(a)pyrene	.88822	1.01753	.93870	.92562	.93085	.96711	.996	.94384	4.465	.999439	*	
Indeno(1,2,3-cd)pyrene	.82090	.87857	.78255	.88534	.93388	.64087	1.101	.82369	12.676	.956529		
Dibenz(a,h)anthracene	.65017	.83581	.73247	.70454	.74251	.77869	1.104	.74070	8.552	.998358		
Benzo(g,h,i)perylene	.65884	.86359	.73398	.68874	.74853	.78349	1.131	.74608	9.717	.997543		

RF - Response Factor (Subscript is amount in ng/ml)

RRT - Average Relative Retention Time (RT Std/RT Istd)

RF - Average Response Factor

%RSD - Percent Relative Standard Deviation

CORRn - Coefficient of Correlation (nth degree)

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

270 CA2BCQ/94199

000343

GC/MS SVO #2 LOG BOOK

OPERATOR RB/DH DATE 3/2/91 CLIENTS BATLY/CHAMPION SDG. 8 of 24

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14 MIN.

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNA2A I.D. LIST IDA QUANT/UPLOAD DATE

UPLOAD FILE NAME SV/SV/SV ACQUISITION CRN D8 STANDARDS SSTD 8 37A/01

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA QDEL
1	>94199	DAILY	Daily Tune 50ng/µl	3		Area = 25K Scan# 302	OK	TIME 14.23
2	>94200	JJ 50A SSTD 18	Daily CCV/50ng/µl	4		OKVS. CA2BCQ Areas	✓	✓
✓3	>94201	SBLK 8017	FOR BATLEY	5			✓	✓
✓4	>94202	LCS 8017		6			✓	✓
✓5	>94203	TCLP 8014		7			✓	✓
✓6	>94204	6-PB-FB1MS	AA88127	8			✓	✓
7	>94205	6PB-FB1MSD	127	9	omit	INT ERROR		
8	>94206	6-PB-FB1	127	10	omit	INT ERROR		
9	>94207	C1	132	11	X100			
10	>94208	A4	131	12	X10			
11	>94209	AB1	130	13	X10			
12	>94210	A3	129	14	X100			
13	>94211	A2D	126	15	X1000			
14	>94212	A2	125	16	X1000			
15	>94213	A1	124	17	X1000			
16	>94214	DIOXIN STD	5.0 STD	18				
17	>94215	SBLK 8012	FOR CHAMPION	19				
18	>94216	RCW4	AA88120	20				
19	>94217	RCW32	121	21				
20	>94218	LC-1	122	22				
	94219	LCS 8012	FOR CHAMP.	23		✓	✓	

SIGNED Rafael Ramos COSIGNED [illegible]

+ = uploaded files

☐ - Tics ☐ - Extends

01

CAD BCQ/94199

000340

HSL Compounds

Case No: | Calibration Date: 03/12/96

Contractor: IAU | Time: 14:43

Contract No: | Laboratory ID: 394200

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	$\overline{RF}$	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.33892	.86	*	✓
2,4,5-Trichlorophenol	.39396	.35647	9.52		
2-Chloronaphthalene	.94763	.94398	.38		
2-Fluorobiphenyl	.96344	.94889	1.51		
2&3-Nitroaniline	.20973	.12853	38.72		
Dimethylphthalate	1.28020	1.25593	1.90		
Acenaphthylene	1.34737	1.45640	8.09		
2,6-Dinitrotoluene	.27213	.26192	3.75		
Acenaphthene	.98312	.97237	1.09	*	✓
1,2-Diphenylhydrazine	1.20258	1.16451	3.17		
2,4-Dinitrophenol	.18409	.16367	11.09		** ✓
4-Nitrophenol	.10733	.10146	5.47		** ✓
Dibenzofuran	1.45152	1.46603	1.06		
2,4-Dinitrotoluene	.42609	.42932	.76		
Diethylphthalate	1.26681	1.25034	1.30		
4-Chlorophenyl-phenylether	.62303	.61732	.92		
Fluorene	1.14566	1.14953	.34		
4-Nitroaniline	.24624	.19262	21.77		
4,6-Dinitro-2-methylphenol	.14143	.15605	10.34		
N-Nitrosodiphenylamine	.19148	.18627	2.72	*	✓
2,4,6-Tribromophenol	.12322	.11459	7.01		
4-Bromophenyl-phenylether	.23326	.22768	2.39		
Hexachlorobenzene	.26313	.24649	6.32		
Pentachlorophenol	.13127	.14035	6.92	*	✓
Phenanthrene	1.00560	1.00698	.14		
Anthracene	1.00846	1.09556	.65		
Carbazole	.16435	.17284	5.16		
Benzidine	.00824	.00787	9.96		
Di-n-butylphthalate	1.29123	1.35601	5.02		✓
Fluoranthene	1.20258	1.16038	3.51	*	
Pyrene	1.23449	1.49973	21.49		
Terphenyl-d14	.82033	.92367	12.60		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

GC/MS SVO #2 LOG BOOK

OPERATOR RG/OH DATE 3/13/96 CLIENTS BAILY/CHAMPION SDG. 8184

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14 MIN.

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNA24 I.D. LIST IDI QUANT/UPLOAD DATE

UPLOAD FILE NAME SV SV SV ACQUISITION CRN D8 STANDARDS SSTO 33450A

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA QDEL
1	> 94206	DAILY	Daily Tune Sample	3		Area= 15K Scan# 303	OK	TIME 7.29
2	> 94207	20 ppm SSTD 16	Daily CCV/50ng/l	4		OK VS. CAJBCQ AGREE	✓	✓
✓3	> 94208	G-PB3-FB1MSD	AA88127	10			✓	✓
✓4	> 94209	G-PB-FB1	127	11			✓	✓
5	> 94210	C1	132	12	X100	Non x 10	NO	✓
✓6	> 94211	A4	131	13	X10		✓	✓
7	> 94212	AB1	130	14	X10	FAILS LAST 21	NO	✓
8	> 94213	A3	129	15	X100	Non x10	NO	✓
✓9	> 94214	A2D	126	16	X1000		✓	✓
10	> 94215	A2	125	17	X1000	FAILS IS but	NO	✓
11	> 94216	A1	124	18	X1000	↓ ↓ ↓	NO	✓
12	> 94217	SBLK 8024	FOR ACL	19				
13	> 94218	MW08B	AA88170	20			✓	✓
14	> 94219	MW08BMS	170	21			✓	✓
15	> 94220	MW08BMSD	170	22			✓	✓
16	>							
17	>							
18	>							
19	>							
20	>							

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*uploaded files

☐ - Tics ☐ - Extends

:RU,TUNER,=DFTBB

CA3BCQ-
9H206

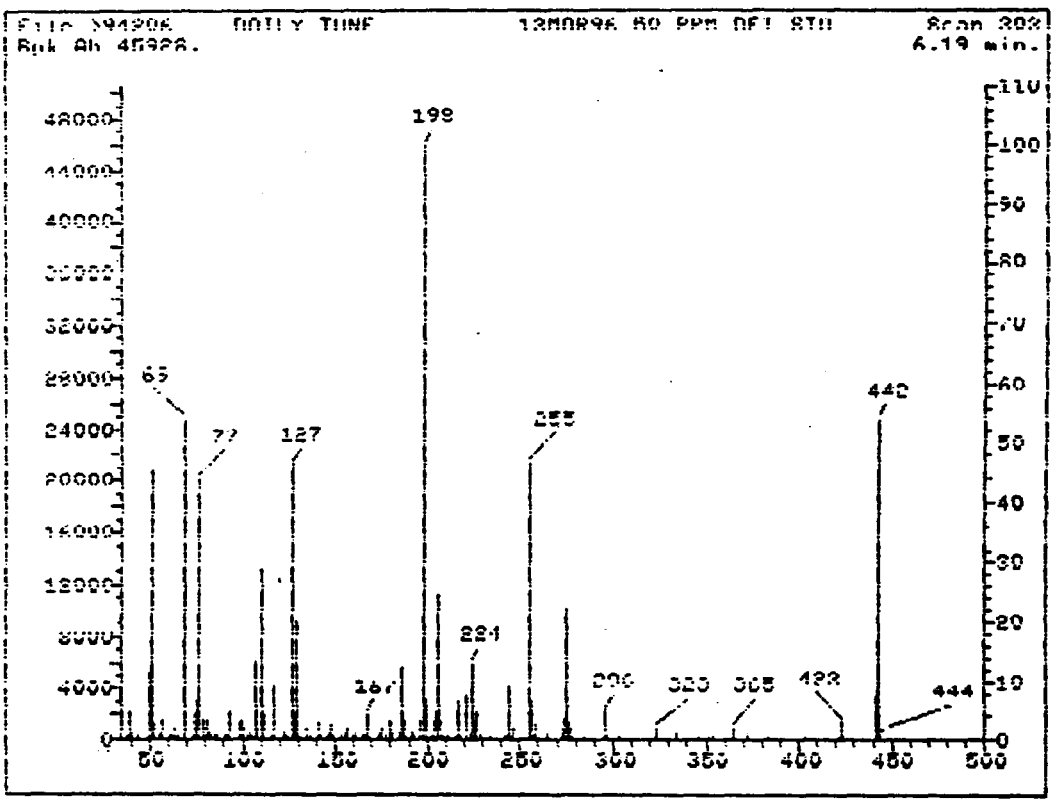
000349

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	45.65	45.65	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	54.14	54.14	Ok
70	Less than 2% of mass 69	0.00	0.00	Ok
127	40-60% of mass 198	46.25	46.25	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.85	6.85	Ok
275	10-30% of mass 198	22.32	22.32	Ok
365	Greater than 1% of mass 198	1.84	1.84	Ok
441	0-100% of mass 443	7.58	23.54	Ok
442	Greater than 40% of mass 198	53.95	53.95	Ok
443	17-23% of mass 442	10.31	19.11	Ok

Injection Date: 03/13/96
Injection Time: 07:29
Data File: >94206
Scan: 303

:RU,AI ,,1



CA28CA-
94206
000351

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAW | Time: 07:51

Contract No: | Laboratory ID: 394207

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.32218	5.76	*	
2,4,5-Trichlorophenol	.39396	.38889	1.29		
2-Chloronaphthalene	.94763	.94458	.33		
2-Fluorobiphenyl	.96344	.93321	3.14		
2&3-Nitroaniline	.20973	.15632	25.47		
Dimethylphthalate	1.28028	1.26046	1.54		
Acenaphthylene	1.34737	1.44225	7.04		
2,6-Dinitrotoluene	.27213	.26266	3.48		
Acenaphthene	.98312	.95603	2.76	*	
1,2-Diphenylhydrazine	1.20258	1.16545	3.09		
2,4-Dinitrophenol	.18409	.06614	64.07		**
4-Nitrophenol	.10733	.08756	18.42		**
Dibenzofuran	1.45152	1.42512	1.82		
2,4-Dinitrotoluene	.47609	.42131	1.12		
Diethylphthalate	1.26681	1.22962	2.94		
4-Chlorophenyl-phenylether	.62303	.59128	5.02		
Fluorene	1.14566	1.12211	2.06		
4-Nitroaniline	.24624	.19745	19.81		
4,6-Dinitro-2-methylphenol	.14143	.07908	44.09		
N-Nitrosodiphenylamine	.19148	.22398	16.93	*	
2,4,6-Tribromophenol	.12322	.10668	13.42		
4-Bromophenyl-phenylether	.23326	.22310	4.36		
Hexachlorobenzene	.26313	.22944	12.80		
Pentachlorophenol	.13127	.10653	18.85	*	
Phenanthrene	1.00560	1.00942	.38		
Anthracene	1.08846	1.11540	2.47		
Carbazole	.16435	-	-		
Benzidine	.00874	-	-		
Di-n-butylphthalate	1.29123	1.35856	5.21		
Fluoranthene	1.20258	1.16639	3.01	*	
Pyrene	1.23449	1.57903	27.91		
Terphenyl-d14	.82033	.94018	14.61		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA3BCQ-
94206

000352

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAW | Time: 07:51

Contract No: | Laboratory ID: >94207

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.76002	13.12		
3,3'-Dichlorobenzidine	.15018	.07915	47.30		
Benzo(a)anthracene	1.16828	1.12899	3.36		
Chrysene	1.08985	1.08384	.55		
bis(2-Ethylhexyl)phthalate	.92266	.93277	1.10		
Di-n-octylphthalate	1.31138	1.57414	20.04	*	
Benzo(b)fluoranthene	1.19160	1.10271	7.46		
Benzo(k)fluoranthene	1.08839	1.10878	1.87		
Benzo(a)pyrene	.94384	.97012	2.78	*	
Indeno(1,2,3-cd)pyrene	.82369	.72493	11.99		
Dibenz(a,h)anthracene	.74070	.68260	7.84		
Benzo(g,h,i)perylene	.74608	.72649	2.63		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2DCQ
94222

000355

OK
vs
CA2BCQ
AFCEE

Continuing Calibration Check
HSL Compounds

Case No: _____ Calibration Date: 03/13/96

Contractor: IAW Time: 21:26

Contract No: _____ Laboratory ID: >94223

Instrument ID: RNA-2 Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20490	.20269	1.08		
N-Nitrosodimethylamine	.55310	.55611	.54		
2-Fluorophenol	.99762	1.03197	3.44		
Aniline	.47368	.42174	10.95		
Phenol-d6	1.44558	1.40876	2.58		
Phenol	1.40564	1.38448	1.51	*	✓
bis(2-Chloroethyl)ether	1.23815	1.16618	5.81		
2-Chlorophenol	1.19385	1.19898	.43		
1,3-Dichlorobenzene	1.37191	1.39585	1.75		
1,4-Dichlorobenzene	1.36237	1.38275	1.50	*	✓
Benzyl alcohol	.69296	.68202	1.58		
1,2-Dichlorobenzene	1.34711	1.36669	1.83		
2-Methylphenol	1.10508	1.06573	3.56		
bis(2-Chloroisopropyl)ether	1.37409	1.28794	6.27		
3&4-Methylphenol	1.05977	1.04045	1.82		
N-Nitroso-di-n-propylamine	.79083	.85210	7.75		** ✓
Hexachloroethane	.50556	.50493	.13		
Nitrobenzene-d5	.28278	.28098	.64		
Nitrobenzene	.31399	.30154	3.96		
Isophorone	.65585	.67600	3.07		
2-Nitrophenol	.19908	.20530	3.13	*	✓
2,4-Dimethylphenol	.32038	.31615	1.32		
Benzoic acid	.20940	.19163	8.48		
bis(2-Chloroethoxy)methane	.41476	.40471	2.42		
2,4-Dichlorophenol	.27333	.29898	9.38	*	✓
1,2,4-Trichlorobenzene	.31867	.32300	1.37		
Naphthalene	.87733	.85784	1.66		
4-Chloroaniline	.07962	.04640	41.73		
Hexachlorobutadiene	.18776	.18795	.10	*	✓
4-Chloro-3-methylphenol	.30849	.31157	1.00	*	✓
2-Methylnaphthalene	.63423	.62415	1.59		✓
Hexachlorocyclopentadiene	.23248	.21843	6.04		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

LA2BCQ-
94222

000356

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAW | Time: 21:26

Contract No: | Laboratory ID: 394223

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.35083	2.62	*	✓
2,4,5-Trichlorophenol	.39396	.42448	7.75		
2-Chloronaphthalene	.94763	.95256	.52		
2-Fluorobiphenyl	.96344	.96179	.17		
2R3-Nitroaniline	.90973	.90387	2.80		
Dimethylphthalate	1.28070	1.28728	.55		
Acenaphthylene	1.34737	1.40967	4.62		
2,6-Dinitrotoluene	.27713	.26602	2.75		
Acenaphthene	.98312	.96210	2.14	*	✓
1,2-Diphenylhydrazine	1.20258	1.09907	8.61		
2,4-Dinitrophenol	.18409	.15931	13.46		** ✓
4-Nitrophenol	.10733	.11296	5.25		** ✓
Dibenzofuran	1.45152	1.43356	1.24		
2,4-Dinitrotoluene	.42609	.42480	.30		
Diethylphthalate	1.26681	1.19826	5.41		
4-Chlorophenyl-phenylether	.62303	.58985	5.33		
Fluorene	1.14566	1.09202	4.68		
4-Nitroaniline	.24624	.25392	3.12		
4,6-Dinitro-2-methylphenol	.14143	.14734	4.17		
N-Nitrosodiphenylamine	.19148	.21569	12.65	*	✓
2,4,6-Tribromophenol	.12322	.11869	3.68		
4-Bromophenyl-phenylether	.23326	.23418	.36		
Hexachlorobenzene	.26313	.23051	12.40		
Pentachlorophenol	.13127	.14619	11.37	*	✓
Phenanthrene	1.00560	.98598	1.95		
Anthracene	1.08846	1.07489	1.25		
Carbazole	.16435	.18477	12.43		
Benzidine	.08874	.08858	1.81		
Di-n-butylphthalate	1.29123	1.29417	.23		
Fluoranthene	1.20258	1.10419	8.18	*	✓
Pyrene	1.23449	1.35514	9.77		
Terphenyl-d14	.82833	.84907	3.50		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAJDCQ-
94222
000357

Continuing Calibration Check
HSL Compounds

Case No: | Calibration Date: 03/13/96

Contractor: IAW | Time: 21:26

Contract No: | Laboratory ID: >94273

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.74084	10.27		
3,3'-Dichlorobenzidine	.15018	.09970	33.94		
Benzo(a)anthracene	1.16878	1.13310	3.01		
Chrysene	1.08985	1.08178	.79		
bis(2-Ethylhexyl)phthalate	.92266	.99585	7.93		
Di-n-octylphthalate	1.31138	1.50970	15.12	*	✓
Benzo(b)fluoranthene	1.19160	1.08377	9.05		
Benzo(k)fluoranthene	1.08839	.99952	8.17		✓
Benzo(a)pyrene	.94384	.95078	.74	*	
Indeno(1,2,3-cd)pyrene	.82369	.75494	8.35		
Dibenz(a,h)anthracene	.74070	.71289	3.75		
Benzo(g,h,i)perylene	.74608	.73938	.90		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

000358 CAJBCQ-94237

GC/MS SVO #2 LOG BOOK

OPERATOR RB DATE 3/14/96 CLIENTS BAILEY SDG. BB124 BB172

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14 MIN

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNAZA I.D. LIST ID2 QUANT/UPLOAD DATE

UPLOAD FILE NAME SV SV SV ACQUISITION CRN 38 STANDARDS SSTD33*50A

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCT	COMMENTS	QC. OK?	QAREF ODEM
1	>94237	DAILY	Daily Tune 50ng/ul	3		Area = 47K Scan# 297	OK	TIME 12:18
2	>94238	SSTD33 SOA 21	Daily CCV/50ng/ul	4		OK VS. CAJBCQ AREA	✓	✓
3	>94239	E1	AA88185	5	X100		✓	✓
✓4	>94240	AB1	130	6	X10		✓	✓
✓5	>94241	A1	124	7	X100		✓	✓
✓6	>94242	A2	125	8	X100		✓	✓
7	>94243	SBLK 8034	For DAILY	9			✓	✓
8	>94244	L1 8034	↑	10			✓	✓
9	>94245	FCLP 8034	↓	11			✓	✓
10	>94246	C2	AA88178	12	X10		✓	✓
11	>94247	M1	78	13	X10		✓	✓
12	>94248	MS0	78	14	X10		✓	✓
13	>94249	B1	73	15	X10		✓	✓
14	>94250	D1	74	16	X10		✓	✓
15	>94251	BAKE	OUT	17				
16	>							
17	>							
18	>							
19	>							
20	>							

SIGNED Rafael Bonaza COSIGNED [illegible]

*uploaded files

☐ - Tics ☐ - Extends

:RII,TUNER,=DFTAA

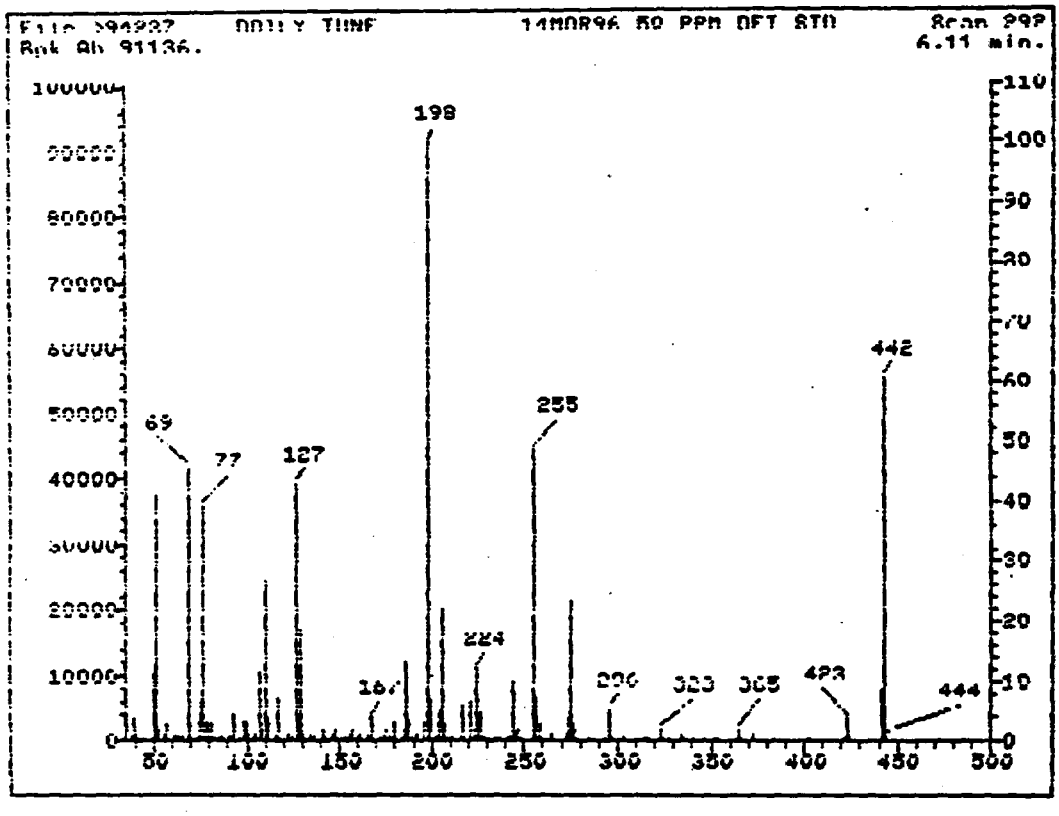
CAJBCA-94237
000359

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	41.38	41.38	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	45.92	45.92	Ok
70	Less than 2% of mass 69	.26	.57	Ok
127	40-60% of mass 198	43.13	43.13	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.78	6.78	Ok
275	10-30% of mass 198	23.43	23.43	Ok
365	Greater than 1% of mass 198	1.95	1.95	Ok
441	0-100% of mass 443	8.51	74.98	Ok
442	Greater than 40% of mass 198	60.60	60.60	Ok
443	17-23% of mass 442	11.46	18.91	Ok

Injection Date: 03/14/96
Injection Time: 12:18
Data File: >94237
Scan: 292

:RII,AI ,,1



CA2BCQ
94237

000360

Case No: Calibration Date: 03/14/96

Contractor: LAW Time: 19:39

Contract No: Laboratory ID: 294238

Instrument ID: RNA-2 Initial Calibration Date: 03/12/96

OK
vs
CA2BCQ
AFCEE

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20490	.20895	1.98		
N-Nitrosodimethylamine	.55310	.57254	3.52		
2-Fluorophenol	.99767	1.01582	1.82		
Aniline	.47360	.47341	.04		
Phenol-d6	1.44550	1.39885	3.23		
Phenol	1.40564	1.40167	.28	*	
bis(2-Chloroethyl)ether	1.23815	1.16895	5.59		
2-Chlorophenol	1.19385	1.17796	1.33		
1,3-Dichlorobenzene	1.37191	1.40113	2.13		
1,4-Dichlorobenzene	1.36237	1.37688	1.07	*	
Benzyl alcohol	.49296	.72573	4.73		
1,2-Dichlorobenzene	1.34211	1.35982	1.32		
2-Methylphenol	1.10506	1.03036	6.76		
bis(2-Chloroisopropyl)ether	1.37409	1.77712	29.33		
3&4-Methylphenol	1.05977	.98056	7.47		
N-Nitroso-di-n-propylamine	.79083	.79523	.56		**
Hexachloroethane	.50556	.50471	.17		
Nitrobenzene-d5	.28278	.29127	3.00		
Nitrobenzene	.31399	.31172	.72		
Isophorone	.65585	.64526	1.61		
2-Nitrophenol	.19908	.20415	2.55	*	
2,4-Dimethylphenol	.32038	.31397	2.00		
Benzoic acid	.20940	.18073	13.69		
bis(2-Chloroethoxy)methane	.41476	.39526	4.70		
2,4-Dichlorophenol	.27333	.30000	9.76	*	
1,2,4-Trichlorobenzene	.31862	.32037	.55		
Naphthalene	.87233	.88221	1.13		
4-Chloroaniline	.07962	.06450	18.99		
Hexachlorobutadiene	.18276	.18409	.72	*	
4-Chloro-3-methylphenol	.30849	.32037	3.85	*	
2-Methylnaphthalene	.63423	.63654	.36		
Hexachlorocyclopentadiene	.23248	.22142	4.76		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CADBCQ
94037

00036

Case No: Calibration Date: 03/14/96

Contractor: LAW Time: 12:39

Contract No: Laboratory ID: >94238

Instrument ID: BNA-2 Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.34961	2.27	*	
2,4,5-Trichlorophenol	.39396	.43401	10.17		
2-Chloronaphthalene	.94763	.96345	1.67		
2-Fluorobiphenyl	.96344	.96514	.18		
2&3-Nitroaniline	.20973	.19616	6.47		
Dimethylphthalate	1.28020	1.28339	.25		
Acenaphthylene	1.34737	1.38738	2.97		
2,6-Dinitrotoluene	.27213	.26308	3.36		
Acenaphthene	.98312	.95434	2.93	*	
1,2-Diphenylhydrazine	1.20258	1.15149	4.25		
2,4-Dinitrophenol	.18409	.15605	15.23		**
4-Nitrophenol	.10733	.07741	27.87		**
Dibenzofuran	1.45152	1.42793	1.63		
2,4-Dinitrotoluene	.42609	.42812	.48		
Diethylphthalate	1.26681	1.23340	2.64		
4-Chlorophenyl-phenylether	.62383	.60163	3.43		
Fluorene	1.14566	1.12531	1.78		
4-Nitroaniline	.24624	.26908	9.28		
4,6-Dinitro-2-methylphenol	.14143	.14702	3.95		
N-Nitrosodiphenylamine	.19148	.21813	13.92	*	
2,4,6-Tribromophenol	.12322	.10916	11.41		
4-Bromophenyl-phenylether	.23326	.21698	7.01		
Hexachlorobenzene	.26313	.22485	14.55		
Pentachlorophenol	.13127	.13868	5.65	*	
Phenanthrene	1.00568	.96509	4.03		
Anthracene	1.08846	1.07824	.94		
Carbazole	.16435	.16051	2.33		
Benzidine	.00874	.00827	5.42		
Di-n-butylphthalate	1.29123	1.26031	2.40		
Fluoranthene	1.20258	1.16398	3.21	*	
Pyrene	1.23449	1.28466	4.06		
Terphenyl-d14	.82033	.88378	2.02		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA00CQ-
9W237
000362

Case No: Calibration Date: 03/14/96

Contractor: LAW Time: 12:39

Contract No: Laboratory ID: >94238

Instrument ID: BNA-2 Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.72426	7.80		
3,3'-Dichlorobenzidine	.15018	.12341	17.83		
Benzo(a)anthracene	1.16828	1.13845	2.55		
Chrysene	1.08985	1.08641	.32		
bis(2-Ethylhexyl)phthalate	.92266	.98022	6.24		
Di-n-octylphthalate	1.31138	1.47600	12.55	*	
Benzo(b)fluoranthene	1.19160	1.05585	11.39		
Benzo(k)fluoranthene	1.08839	1.01559	6.69		
Benzo(a)pyrene	.94384	.92202	2.31	*	
Indeno(1,2,3-cd)pyrene	.82369	.83251	1.07		
Dibenz(a,h)anthracene	.74470	.80994	9.35		
Benzo(g,h,i)perylene	.74608	.79552	6.63		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CAJBCQ-
94252

GC/MS SVO #2 LOG BOOK

000363

OPERATOR RB DATE 3/15/96 CLIENTS BAILEY SUST / RESEA SDG. 48173

GC PROGRAM 38 FOR 4 MIN. & 8 RATE TO 300 HOLD 14

INST. I.D. BNA-2 SCAN RANGE 35 - 550 TUNE FILE MTDFT2

EM 1400 SEQ. FILE BNA2A I.D. LIST FD2 QUANT/UPLOAD DATE

UPLOAD FILE NAME SV SV SV ACQUISITION CRN D8 STANDARDS <<7D3? #52

SEQ#	FRN	SAMPLE #	LAB #	AUT POS	SCF	COMMENTS	QC. OK?	QAREA ODEL
1	> 94252	DAILY	Daily Tune 50ng/µl	3		Area= 48K Scan# 296	OK	TIME 1.29
2	> 94253	SCA22 SSTD 33	Daily CCV/50ng/µl	4		OK vs. CA2BCQ	✓	✓
3	> 94254	D3	AA88175	18	X10		✓	✓
4	> 94255	D2	176	19	X10		✓	✓
5	> 94256	F3	177	20	X10		✓	✓
6	> 94257	B2	179	21	X10		✓	✓
7	> 94258	F2	180	22	X10		✓	✓
8	> 94259	F1	181	23	X10		✓	✓
9	> 94260	F4	182	24	X10		✓	✓
10	> 94261	B3	183	25	X10		✓	✓
11	> 94262	E2	184	26	X10		✓	✓
12	> 94263	E1	185	27	X10		✓	✓
13 ✓	> 94264	FOR DAILY	AA88184	28	X10	X10 .. pk 7/15/96	✓	✓
14 ✓	> 94265	↓	185	29	X10	↓	✓	✓
15 ✓	> 94266	↓	186	30	X10	↓	✓	✓
16	> 94267	BRW	OWT	31				
17	> 94268	SBLK 8047	FOR RESEA/SUST	32			✓	✓
18	> 94269	LIS ↓	↓	33			✓	✓
19	> 94270	RCS 8037	↓	34			✓	✓
20	> 94271	MW-7	AA88186	35			✓	✓

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☐-Tics ☐-Extends

001 13

CA3BCA-
94252
000364

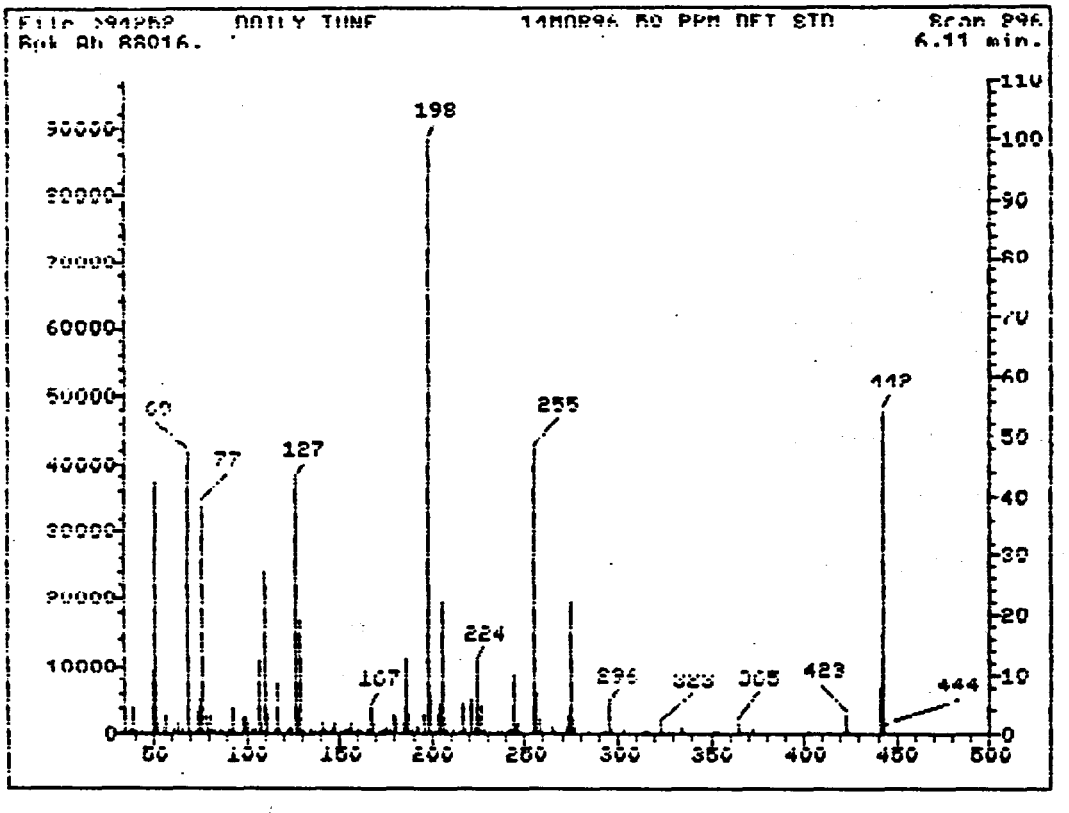
:RU,TUNFR,=DFTBB

GC/MS PERFORMANCE STANDARD
RCRA
Decafluorotriphenylphosphine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	Appropriate Peak	Status
51	30-60% of mass 198	42.39	42.39	Ok
68	Less than 2% of mass 69	0.00	0.00	Ok
69	(reference only)	47.29	47.29	Ok
70	Less than 2% of mass 69	.26	.56	Ok
127	40-60% of mass 198	42.87	42.87	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.46	6.46	Ok
275	10-30% of mass 198	22.20	22.20	Ok
365	Greater than 1% of mass 198	1.97	1.97	Ok
441	0-100% of mass 443	7.83	77.73	Ok
442	Greater than 40% of mass 198	54.19	54.19	Ok
443	17-23% of mass 442	10.08	18.60	Ok

Injection Date: 03/15/96
Injection Time: 01:29
Data File: >94252
Scan: 296

:RU,AI ,,1



CAJBCQ-94252

000365

HSL Compounds

Case No: | Calibration Date: 03/15/96

Contractor: IAM | Time: 01:48

Contract No: | Laboratory ID: >94253

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

OK
US
CAJBCQ
AFCEE

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%.

Compound	RF	RF	%Diff	CCC	SPCC
Pyridine	.20498	.19019	7.18		
N-Nitrosodimethylamine	.55310	.57285	3.57		
2-Fluorophenol	.99762	1.00855	1.10		
Aniline	.47368	.41458	12.48		
Phenol-d6	1.44558	1.34688	6.82		
Phenol	1.40564	1.31416	6.51	*	
bis(2-Chloroethyl)ether	1.23815	1.12910	8.81		
2-Chlorophenol	1.19385	1.17828	1.30		
1,3-Dichlorobenzene	1.37191	1.39932	2.00		
1,4-Dichlorobenzene	1.36737	1.38422	1.68	*	
Benzyl alcohol	.6[illegible]96	.67517	2.57		
1,2-Dichlorobenzene	1.34211	1.36751	1.89		
2-Methylphenol	1.10506	.99429	10.02		
bis(2-Chloroisopropyl)ether	1.37409	1.23998	9.76		
3&4-Methylphenol	1.05977	.96707	8.75		
N-Nitroso-di-n-propylamine	.79083	.81354	2.87		**
Hexachloroethane	.50556	.50340	.43		
Nitrobenzene-d5	.28278	.28775	1.58		
Nitrobenzene	.31399	.30797	1.91		
Isophorone	.65585	.68387	4.27		
2-Nitrophenol	.19908	.20063	.78	*	
2,4-Dimethylphenol	.32038	.30998	3.24		
Benzoic acid	.20948	.16887	19.36		
bis(2-Chloroethoxy)methane	.41476	.41091	.93		
2,4-Dichlorophenol	.27333	.29624	8.38	*	
1,2,4-Trichlorobenzene	.31862	.32875	3.18		
Naphthalene	.87233	.88549	1.51		
4-Chloroaniline	.07962	.05823	26.86		
Hexachlorobutadiene	.18276	.18465	1.03	*	
4-Chloro-3-methylphenol	.30849	.32239	4.51	*	
2-Methylnaphthalene	.63493	.65250	2.88		
Hexachlorocyclopentadiene	.23248	.20159	13.29		**

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA2000-
94252

000366

HSL Compounds

Case No: | Calibration Date: 03/15/96

Contractor: IAW | Time: 01:48

Contract No: | Laboratory ID: >94253

Instrument ID: RNA-2 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
2,4,6-Trichlorophenol	.34186	.33903	.83	*	
2,4,5-Trichlorophenol	.39396	.42997	8.96		
2-Chloronaphthalene	.94763	.95687	.98		
2-Fluorobiphenyl	.96344	.95756	.61		
2&3-Nitroaniline	.20973	.26648	27.06		
Dimethylphthalate	1.28070	1.29041	.80		
Acenaphthylene	1.34737	1.41973	5.33		
2,6-Dinitrotoluene	.27713	.26731	1.77		
Acenaphthene	.98312	.95269	3.10	*	
1,2-Diphenylhydrazine	1.20258	1.13485	5.63		
2,4-Dinitrophenol	.18409	.13052	29.10		**
4-Nitrophenol	.10733	.11265	4.96		**
Dibenzofuran	1.45152	1.47900	1.55		
2,4-Dinitrotoluene	.42689	.43389	1.83		
Diethylphthalate	1.26681	1.23511	2.50		
4-Chlorophenyl-phenylether	.62303	.59357	4.73		
Fluorene	1.14566	1.11598	2.59		
4-Nitroaniline	.24624	.33928	37.79		
4,6-Dinitro-2-methylphenol	.14143	.14094	.35		
N-Nitrosodiphenylamine	.19148	.22570	17.87	*	
2,4,6-Tribromophenol	.12322	.11641	5.53		
4-Bromophenyl-phenylether	.23326	.21835	6.39		
Hexachlorobenzene	.26313	.22761	13.50		
Pentachlorophenol	.13127	.13678	4.20	*	
Phenanthrene	1.00560	.97256	3.29		
Anthracene	1.08846	1.09004	.14		
Carbazole	.16435	-	-		
Benzidine	.00874	-	-		
Di-n-butylphthalate	1.29123	1.29184	.01		
Fluoranthene	1.20258	1.14765	4.57	*	
Pyrene	1.23449	1.35818	10.01		
Terphenyl-d14	.82833	.82883	1.04		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

CA3DCQ-
9U252

000367

HSL Compounds

Case No: | Calibration Date: 03/15/96

Contractor: IAW | Time: 01:48

Contract No: | Laboratory ID: >94253

Instrument ID: RNA-7 | Initial Calibration Date: 03/12/96

Minimum RF for SPCC is 0.05 | Maximum % Diff for CCC is 20%

Compound	RF	RF	%Diff	CCC	SPCC
Butylbenzylphthalate	.67186	.76236	13.47		
3,3'-Dichlorobenzidine	.15018	.07870	47.60		
Benzo(a)anthracene	1.16878	1.13287	3.03		
Chrysene	1.08985	1.13235	3.90		
bis(2-Ethylhexyl)phthalate	.99266	1.08949	9.41		
Di-n-octylphthalate	1.31138	1.58474	14.74	*	
Benzo(b)fluoranthene	1.19160	1.10573	7.21		
Benzo(k)fluoranthene	1.08839	1.04090	4.36		
Benzo(a)pyrene	.94384	.93583	.85	*	
Indeno(1,2,3-cd)pyrene	.82369	.64591	21.58		
Dibenz(a,h)anthracene	.74078	.66699	9.95		
Benzo(g,h,i)perylene	.74608	.64498	13.55		

RF - Response Factor from daily standard file at 50.00 ng/ul

RF - Average Response Factor from Initial Calibration Form VI

%Diff - % Difference from original average or curve

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

SDG No:	01B88124
Method No.:	REACTIVITY
	CYANIDE/
	SULFIDE

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 Pit B 2 3

Sample ID	Lab ID	Matrix	ACE Sample	Corresponds To: Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA88126	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCL PSB 8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWL0332	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB.TLWB FWB0335	AA85970			
20 PB.TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-91

Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21	HQSB0541	AA85972			
22	HQSL0541	AA85973			
23	HQWB0539	AA85974			
24	HQWL0539	AA85975			
25	HQWB0540	AA85976			
26	HQWL0540	AA85977			
27	VSB0789	AA85978			
28	VSL0789	AA85979			
29	SSB8018	AA85980			
30	SSL8018	AA85981			
31	VWB0790	AA85990			
32	VWL0790	AA85991			
33	SWB8017	AA85993			
34	SWL8017	AA85994			
35	2HESB8015	AA85995			
36	CNSB0356	AA86004			
37	CNSL0356	AA86005			
38	VWB0791	AA86011			
39	VWL0791	AA86012			
40	846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-96
Sampling Site(s): 1 _____ 2 _____ 3 _____

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICPWB0332T	AA86021			
42	ICPWLC332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846TSL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

March 14, 1996

Ann Harber
Law Engineering and Environmental Services, Inc.
3355 McLemore Drive
Pensacola, FL 32514

Subject: **Chemical Analysis of Samples Received on 03/11/96**
Project Number: GE 3913

Dear Ms. Harber:

Law Environmental National Laboratories has completed its analysis of your samples and reports the results on the following pages. These results relate only to the contents of the samples as submitted. This report shall not be reproduced except in full without the approval of Law Environmental National Laboratories.

If there are any questions, please do not hesitate to contact Rhonda K. Arnwine at (770)-421-3306.

Sincerely,

LAW ENVIRONMENTAL NATIONAL LABORATORIES

Patrick Kelley for (03-14-96)

W. Paul Brafford
Laboratory Manager

WPB:pah

Enclosures: Data Report
Invoice

NATIONAL LABORATORIES
112 TOWNPARK DRIVE • KENNESAW, GEORGIA 30144
(770)421-3300 • FAX (770)421-3301
ONE OF THE LAW COMPANIES

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

To: Ann Harber
From : Rhonda Arnwine
Date: March 14, 1996

Summary Credit For Analysis

Job Name: Bailey
Job Number: GE 3913
Lab Number: 96-3963-01 thru 06

DEPT.	PARAMETER	COST PER SAMPLE	NUMBER OF SAMPLES	TOTAL CREDIT DUE
10521	Reactivity	$160.00	6	$960.00

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-01
Project No. : GE-3913
Project Name : BAILEY
Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : A1 AA88124
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/06/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	45	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	640	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-02
Project No. : GE-3913
Project Name : BAILEY

Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : A2 AA88125
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/06/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	65	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	2700	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-03
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY

Manager: ANN HARBER

--- Sample Information ---

Station ID : A3 AA88129
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/07/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	43	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	3200	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-04
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY

Manager: ANN HARBER

--- Sample Information ---

Station ID : AB1 AA88130
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/07/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	51	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	1200	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-05
Project No. : GE-3913
Project Name : BAILEY

Cust. No. :

Manager: ANN HARBER

--- Sample Information ---

Station ID : A4 AA88131
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/07/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	80	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	1800	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/14/96
Page 1

--- Project Information ---

Lab Number : 96-3963-06
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY

Manager: ANN HARBER

--- Sample Information ---

Station ID : C1 AA88132
Matrix : SO
Type : GRAB
Collector : W

Sampled Date/Time : 03/07/96
Received Date/Time : 03/11/96 08:57
Received From/By : SLT/MB
Chain of Custody : 8133
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Moisture (Oven Dried @ 105C)	D2216 M	%	1.0	72	03/11/96	DF
Sulfide, Total Releasable	SW 846-I	mg/kg	400	5300	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 03/13/96
Page 1

--- Project Information ---

Lab Number : 96-3963-07
Project No. : GE-3913 Cust. No. :
Project Name : BAILEY

Manager: ANN HARBER

--- Sample Information ---

Station ID : METHOD BLANK
Matrix : SO
Type :
Collector :

Sampled Date/Time : / /
Received Date/Time : / /
Received From/By : /
Chain of Custody : 0
Number of Containers : 0

Parameter	Method	Units	DL	Results	Test Date	Analy
-- INORGANIC CHEMISTRY RESULTS --						
Cyanide, Total Releasable (HCN)	SW 846-I	mg/kg	200	ND	03/11/96	GW
Sulfide, Total Releasable	SW 846-I	mg/kg	400	ND	03/11/96	GW

Remarks:
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Patrick Kelley

Law Environmental National Laboratories
Initial Calibration Verification Standard (ICV)

Project Name: Bailey **Project #:** GE-3913

Lab Number: 96-3963

Date	Analyst	Standard ID	True Value	Value Found	% Rec	Test
03/11/96	GW	KCN	0.192	0.196	102	T. Releasable Cyanide
03/11/96	GW	Na_2S	47.7	41.0	85.9	T. Releasable Sulfide

ICVS.IN (REVISED 08/29/92)

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories
Method Blank Summary

Total Releasable Cyanide

Project Name:	Bailey	**Project # :**	GE-3913
Lab Number:	96-3963-07	**Instrument ID:**	N/A
Date Analyzed:	03/11/96	**Matrix:**	AQ ___ SO X NA ___

	Client Station ID	Lab Sample ID
1	A1 AA88124	96-3963-01
2	A2 AA88125	96-3963-02
3	A3 AA88129	96-3963-03
4	AB1 AA88130	96-3963-04
5	A4 AA88131	96-3963-05
6	C1 AA88132	96-3963-06
7	C1 AA88132	96-3963-06 DUP
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

COMMENTS:

MB.IN

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories

Total Releasable Cyanide Duplicate Analyses Record

Project Name: Bailey **Project #:** GE-3913

Lab Number: 96-3963 **Matrix:** AQ ____ SO X NA ____

SAMPLE ID	X_1	X_2	RANGE	AVERAGE*	RPD*	DATE	ANALYST
96-3963-06	ND	ND	0.00	N/A	N/A	03/11/96	GW

Formulae:

$$Range = x_1 - x_2$$

$$Average = \frac{(x_1 + x_2)}{2}$$

$$Relative\ Percent\ Difference\ (RPD) = \frac{Range}{Average} \times 100$$

* Do not Calculate if results are ND.
ND - Not detected at detection limit
NA - Not Applicable

DAR.IN (REVISED 08/29/92)

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories
Method Blank Summary

Total Releasable Sulfide

Project Name:	Bailey	**Project # :**	GE-3913
Lab Number:	96-3963-07	**Instrument ID:**	N/A
Date Analyzed:	03/11/96	**Matrix:**	AQ ___ SO X NA ___

	Client Station ID	Lab Sample ID
1	A1 AA88124	96-3963-01
2	A2 AA88125	96-3963-02
3	A3 AA88129	96-3963-03
4	AB1 AA88130	96-3963-04
5	A4 AA88131	96-3963-05
6	C1 AA88132	96-3963-06
7	C1 AA88132	96-3963-06 DUP
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

COMMENTS:

MB.IN

APPROVED BY: Patrick Kelley

Law Environmental National Laboratories

Total Releasable Sulfide Duplicate Analyses Record

Project Name: Bailey **Project #:** GE-3913

Lab Number: 96-3963 **Matrix:** AQ ____ SO X NA ____

SAMPLE ID	X_1	X_2	RANGE	AVERAGE*	RPD*	DATE	ANALYST
96-3963-06	5270	5280	18.0	5280	0.35	03/11/96	GW

Formulae:

$$Range = x_1 - x_2$$

$$Average = \frac{(x_1 + x_2)}{2}$$

$$Relative\ Percent\ Difference\ (RPD) = \frac{Range}{Average} \times 100$$

* Do not Calculate if results are ND.
ND - Not detected at detection limit
NA - Not Applicable

DAR.IN (REVISED 08/29/92)

APPROVED BY: Patrick Kelley

SAMPLE RECEIPT/SHIPPER INSPECTION FORM

LENL # 96-3963	DATE: 3/11/96
PROJECT NAME: Bailey	PROJECT # GE-3913

A: PRELIMINARY EXAMINATION: Date shipment was opened: 3/11/96

1. Did shipment come with a shipping air bill?	(Y)	N	N/A
2. If YES, document carrier and air bill number. Fed X 286 8201 935			
3. Were custody seals present on samples?	Y	(N)	–
4. Were custody seals intact?	Y	N	(NA)
5. Were custody papers filled out properly?	Y	(N)	NA
6. Were custody papers signed?	(Y)	N	NA
7. Sampling time(s) present?	(Y)	(N)	NA
8. Sampling date(s) present?	(Y)	N	NA
9. Type of packing and ice used. Bubble + Wet Ice			

B. LOG-IN PHASE Date samples were logged in: 3/11/96

1. Did all bottles arrive intact?	(Y)	N	NA
2. Did all bottle labels agree with custody papers?	(Y)	N	NA
3. Were proper containers used for requested test?	(Y)	N	NA
4. Were correct preservatives added for requested test?	Y	N	(NA)
5. Was sufficient sample received for requested test?	(Y)	N	NA
6. Were air bubbles present in VOA samples?	Y	N	(N)

COMMENTS: Multiple sampling dates documented on COC. Sample date for sample A1-AA88124 + A2 AA88125 documented as 3/6/96. Sample date for sample A3-AA88129, AB1-AA88130, A4-AA 88131, + C1 AA88132 ~~document~~ NB documented as 3/7/96. Sample containers not of Iaes Kennesaw origin. Sample time not documented on COC.

TEMP: Cold PROCESSED BY: Monique Braden

C. CORRECTIVE ACTION:

1. Client notified verbally. Date:	Time:		
2. Samples processed as received.	(Y)	N	–

COMMENTS:

SAMPLE CONTROL COORDINATOR	CG	03/11/96
SAMPLE CONTROL SUPERVISOR		
	INITIAL	DATE

SDG No:	01B88124
Method No.:	D2216
	9045
	9095
	1010

ACE SAMPLE DELIVERY GROUP SHEET

Proj Name: Bailey Site-PitB SDG No: 01B 88124 Date Received: 03-08-96
Sampling Site(s): 1 PitB 2 _____ 3 _____

Sample ID	Lab ID	Matrix	ACE Sample	Site No.
01 A1	AA88124	Soil		1
02 A2	AA88125	Soil		1
03 A2D	AA881260	Soil		1
04 G-PB-FB1	AA88127	FB		1
05 TB	AA88128	TB		1
06 A3	AA88129	Soil		1
07 AB1	AA88130	Soil		1
08 A4	AA88131	Soil		1
09 C1	AA88132	Soil		1
10 ICPSB0333	AA82830			
11 ICPSL0333	AA82831			
12 TCLPSB8014	AA82832			
13 ICPWB0332	AA82833			
14 ICPWLB32	AA85965			
15 FSB0336	AA85966			
16 FSL0336	AA85967			
17 AS.SEWB0334	AA85968			
18 AS.SEWL0334	AA85969			
19 PB.TLWB FWB0335	AA85970			
20 PB.TLWL FWL0335	AA85971			

MATRIX: SO=Soil SED=Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised:10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: 01B88124 Date Received: 3-8-91
Sampling Site(s): 1 _____ 2 _____ 3 _____

Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
21 HQSB0541	AA85972			
22 HQSL0541	AA85973			
23 HQWB0539	AA85974			
24 HQWL0539	AA85975			
25 HQWB0540	AA85976			
26 HQWL0540	AA85977			
27 VSB0789	AA85978			
28 VSL0789	AA85979			
29 SSB8018	AA85980			
30 SSL8018	AA85981			
31 VWB0790	AA85990			
32 VWL0790	AA85991			
33 SWB8017	AA85993			
34 SWL8017	AA85994			
35 2HESB8015	AA85995			
36 CNSB0356	AA86004			
37 CNSL0356	AA86005			
38 VWB0791	AA86011			
39 VWL0791	AA86012			
40 846ISB0311	AA86018			

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

ACE SAMPLE DELIVERY GROUP SHEET (Continued)

Proj Name: Bailey SDG No: DIB88124 Date Received: 3-8-96
Sampling Site(s): 1 2 3

	Sample ID	Lab ID	Matrix	Corresponds To: ACE Sample	Site No.
41	ICPWB0332T	AA86021			
42	ICPWLB332T	AA86022			
43	A1 MS	AA86025			
44	A1 MSD	AA86026			
45	A2 MS	AA86027			
46	A2 MSD	AA86028			
47	A3 MS	AA86031			
48	A3 MSD	AA86032			
49	AB1 MS	AA86033			
50	AB1 MSD	AA86034			
51	846ISL0311	AA86037			
52	C1 DUP	AA86042			
53					
54					
55					
56					
57					
58					
59					
60					

MATRIX: SO=Soil SED-Sediment GW=Ground Water SW=Surface Water
WP=Wipe PC=Paint Chips TB=Trip Blank FD=Field Duplicate R=Rinsate
FB=Field Blank AB=Ambient Blank EB=Equipment Blank Revised: 10/12/94

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 1

KEY OF DATA FLAGS

CE - Co-elution.

D - Dissolved metals.

DL - Re-analysis at a further dilution.

J - Indicates an estimated value.

E - This flag identifies compounds whose concentrations exceed the calibration range of the analytical instrument for that specific analysis.

P - Used for two column quantitative methods to designate primary result. (Please note first result is IRPIMS "1C" equivalent and second result is IRPIMS "2C" equivalent.)

RE - Re-analysis.

T - Total metals.

+ - Correlation coefficient for the MSA is less than 0.995.

NR - Not required.

DILUTIONS

7421 - Total Lead

A3	AA88129	5X
A3MS	AA86031	5X
A3MSD	AA86032	5X

8260 - Total

A3	AA88129	2500X
A3MS	AA86031	2500X
A3MSD	AA86032	2500X

Project Name: Bailey Pit B PreDesign
Project No.: GE3913
Matrix: Soil
SDG No.: 01B88124
Page No.: 2

8260 - TCLP			
A1	AA88124	10X	
A2	AA86125	10X	
A2D	AA86126	10X	
A3	AA88129	10X	
C1	AA88132	10X	
8270 - Total			
A3	AA88129	100X	and 40 mL end volume
A3MS	AA86031	100X	and 30 mL end volume
A3MSD	AA86032	100X	and 30 mL end volume
8270 - TCLP			
A1	AA88124	100X	except *
A2	AA86125	100X	except *
A2D	AA86126	100X	except *
A3	AA88129	10X	
AB1	AA88130	10X	
A4	AA88131	10X	
C1	AA88132	10X	

* 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene were analyzed at a 10X dilution

COMMENTS

SW6010 TCLP - Barium exceeded percent recovery (%REC) criteria for Samples A1MS (AA86025) and A1MSD (AA86026). The laboratory control sample, ICPWL0332T, is within %REC criteria. No further action required.

SW7000 - A post-digestion spike was analyzed immediately after every environmental sample (with the exception of matrix spike/matrix spike duplicate analyses) to assess matrix interference and to determine how each sample would be quantitated.

SW8270 - Please note the laboratory control sample, SWL8017 (Lab ID AA85994), for Sample G-PB-FB1 (Lab ID AA88127) was spiked with the TCLP matrix spike instead of the full list for total analysis. The remaining samples in this batch were for TCLP analysis.

* Silica Gel Clean-up was performed on Samples A1 (AA88124), A2 (AA86125), and A2D (AA86126) in order to analyze at a lower dilution (10X) for the analytes 2,4-Dinitrotoluene, Hexachlorobenzene, and Hexachlorobutadiene. These analytes are reported as a re-analysis as

well as the base/neutral surrogates from the clean-up. Please see the "Information Only Sheet" included in SW8270 for further information.

Samples A3, A3MS, and A3MSD have sample correction factors of 320,000, 378,000, and 401,000 , respectively, due to the following:

Total

A3	18.10 grams/%Solids 69	40 mL end volume	100 X dilution
A3MS	13.00 grams/%Solids 61	30 mL end volume	100 X dilution
A3MSD	12.25 grams/%Solids 61	30 mL end volume	100 X dilution

The surrogates and matrix spike target compounds were not recovered due to the dilutions required.

TCLP

The following samples exceeded surrogate %REC ranges due to required dilutions:

A1	AA88124	TCLP	100X	Nitrobenzene-d5
A2	AA88125	TCLP	100X	2-Fluorophenol
A3	AA88129	TCLP	10X	Nitrobenzene-d5, Phenol-d6, 2-Fluorophenol, 2,4,6-Tribromophenol
C1	AA88132	TCLP	10X	Phenol-d6, 2,4,6-Tribromophenol

TICS: The Tentatively Identified Compound (TIC) program was performed on the SW8260 and SW8270 analyses. Most of the TICs were identified as unknown hydrocarbons, aromatics, and phenols. Furan derivatives were tenatively identified for the 8260 analyses as major analytes. A hydroxydimethylnaphthalene compound was tenatively identified as the major analyte for the 8270 analyses due to the higher intensities of the ions 79, 97, and 175. The ion 175 is the M+1 ion for the hydroxydimethylnaphthalene analyte which has a molecular weight of 174. The TICs identified are analytes found in petroleum tars. The dilutions for the samples were with respect to these types of analytes, not the method target analytes.

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000394

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: A1

Project Name: BAILTCLP

BAILEY PROJECT GE3913

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88124

Date Sampled: 03/06/96

Collector: WISEALOWSKI

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		41.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		4.59	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000395

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A2

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88125

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		59.0	03/09/96	12:30	SB
623-9045 pH units Soil	SW9045		4.58	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

000396

03/19/96

Page 1

--- Project Information ---

Station ID: A2D

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88126

Collector: WISEALOWSKI

Date Sampled: 03/06/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		61	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		4.75	03/11/96	09:15	SB

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

000397

03/19/96

Page 1

--- Project Information ---

Station ID: A3

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88129

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		31.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		4.04	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Pass	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: AB1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88130

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		44.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.48	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000399

TEST DATA REPORT

03/19/96

Page 1

--- Project Information ---

Station ID: A4

Project Name: BAILTCLP

BAILEY PROJECT GE3913

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88131

Date Sampled: 03/07/96

Collector: WISEALOWSKI

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		74	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		6.62	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tucci
Laboratory Manager

LAW ENVIRONMENTAL NATIONAL LABORATORIES

000400

TEST DATA REPORT

03/19/96

--- Project Information ---

Station ID: C1

BAILEY PROJECT GE3913

Project Name: BAILTCLP

SDG: 01B88124

--- Sample Information ---

Lab ID: AA88132

Collector: WISEALOWSKI

Date Sampled: 03/07/96

Time Sampled: 00:00

Log In Date: 03/08/96

Log In Time: 13:55

--- Test Information ---

Parameter	Method	Det Lim	Result	Analysis Date	Analysis Time	Analysis Tech
623-D2216 Moisture	ASTM D2216		69.0	03/11/96	09:10	KG
623-9045 pH units Soil	SW9045		5.63	03/11/96	09:15	SB
623-9095 Paint Filter Test	SW9095		Fail	03/11/96	10:00	SC
623-1010 Ignitability W/S	EPA 1010	75.0	NF<200	03/11/96	11:00	SC

Remarks:

Signed: _____

James M.G. Tusci
Laboratory Manager

INTERNAL CHAIN OF CUSTODY FORM
LEESNL-PENSACOLA, FL

DV:09/08/95

Client: Bailey Site - Pit B

Case: 000401

Form Initiated 03/08/96

SDG: 88124

S=Sample/X=Extract/D=Digestate

Sample ID's	Type S/X/D	Analyst	Method/ Purpose	Custody From: Location	Date	Time	Custody To: Location	Date	Time	Complete Y/N S/X/D
04	S	CM	7471A	SR	3-12-96	0800	SR	3-12-96	1700	Y-S
04	S	JVE	8050A	SR	3-11-96	0800	SR	3-11-96	1700	Y-S
04	S	JRG	9010	SR	3/13/96	0800	SR	3/13/96	1700	Y-S
04	S	KLO	8240	SR	3/9/96	12:00	GCMS	3/9/96	12:05	N-S
01-07	S	SR	(1)	SR	3/11/96	0800	SR	3/11/96	1700	S-Y

Y=Yes/N=

SAMPLES CONSTITUTING THIS BATCH

Matrix: Soil

Laboratory Sample ID	Laboratory Sample ID
01: AA88124	11:
02: AA88125	12:
03: AA88126	13:
04: AA88129	14:
05: AA88130	15:
06: AA88131	16:
07: AA88132	17:
08:	18:
09:	19:
10:	20:

COMMENTS

(1) Ignitibility, Paint Filter, Ph + Moisture, ZHE, TCLP

Organics Extraction Bench Sheet

LENL-Pensacola, FL

02B88173

DV: 030494

Client: BAILEY Case: SDG: 01B88124

Run Log 51C-8019

Start: 3/11/96 09:10

Type: BNA / PP / TPH / (Other) - MOISTURE Matrix: (SOIL) - ORGANIC

End 3/12/96 1615

Sonc / Dltn / Tumble SURR: Spike:

Balance: 004 246-14 Oven: 001 120B-10 pH: 001

Analysts: Prep SBIKG Surr Extr Dry Conc

Reagents:

Seq	Sample #	Vol / Wt	End Vol	pH	% Sol.	Dish	Wet	Dry	Appearance		Comments
1	88124				59	1.30	6.80	4.56	BLK		
2	88125				41	1.32	7.53	3.85	BLK		
3	88126				39	1.31	7.30	3.64	BLK		
4	88127				69	1.30	3.70	2.95	BLK		
5	88130				56	1.31	13.03	7.84	BLK		
6	88131				26	1.31	9.43	3.46	BLK		
7	88132				31	1.30	6.54	2.94	BLK		
8	88129 MS				61	1.30	4.52	3.25	BLK		
9	88173				55	1.30	7.53	4.70	BLK		
10	88174				56	1.31	9.63	5.99	BLK		
11	88175				25	1.33	7.96	2.97	BLK		
12	88176				27	1.32	6.20	2.63	BLK		
13	88177				50	1.30	8.74	5.02	BLK		
14	88178				56	1.33	8.51	5.33	BLK		
15	88179				37	1.32	7.48	3.59	BLK		
16	88180				38	1.35	7.66	3.77	BLK		
17	88181				41	1.30	7.56	3.84	BLK		
18	88182				48	1.32	8.02	4.51	BLK		
19	88183				27	1.30	7.61	3.02	BLK		
20	88184				32	1.27	8.01	3.40	BLK		
21	88185				28	1.33	7.35	3.01	BLK		
22											
23											

000402

Meterable Parameters Bench Sheet

LENL-Pensacola, FL

Start 3/11/96 09:15
end - 3.13.96 1330

DV:041094

RUN LOG # 51C-8020

Page 1 of 2

Client Contract: BAILEY

SDG: 01B88124

Analyte: PH

Method Reference: 9045

QC:

Meter: Syst. ID CDI 194A-18

C/M/R Ref:

Analysis: Date 3 / 13 / 96

Analyst SDB

Standards Ref: 54B4-4 54B4-5 54B4-6

Reagents Ref:

Calib. Curve Data: Slope:

Intercept:

Corr. Coeff:

Seq	Sample #	Mtx	Pres	Hmg	Sample V/M	DF	Obs 1	Delta	Obs 2	Delta	Obs 3	Result	Unit
1	88124				10/10							4.59	
2	88125				30/10							4.58	
3	88126				10/10							4.75	
4	88129											4.04	
5	88130											6.48	
6	88131											6.62	
7	88132											5.63	
8	88129 MS/MSD											5.64	
9	88173											4.98	
10	88174											6.59	
12	BLAER											6.96	
13	88175											6.68	
14	88176											6.17	
15	88177											5.52	
16	88178											4.45	
17	88179				10/10							5.53	
18	88180				30/10							5.06	
19	88181				30/10							5.40	

Seq	COMMENTS
	4.00 = 4.00 7.00 = 7.01
	7.00 = 7.01 10.00 - 10.04
	102.1 Slope 102.2

000403

Meterable Parameters Bench Sheet

Start - 3/11/96 07:15
end -

LENL-Pensacola, FL

DV:041094

RUN LOG # 51C-8020

Page 2 of 2

Client Contract: BAYLEY

SDG: 01B88124

Analyte: pH

Method Reference: 9045

QC:

Meter: Syst. ID 001

C/M/R Ref:

Analysis: Date ___/___/___

Analyst

Standards Ref: 5UB4-4/5UB4-5/5UB4-6

Reagents Ref:

Calib. Curve Data: Slope:

Intercept:

Corr. Coeff:

Seq	Sample #	Mtx	Pres	Hmg	Sample V/M	DF	Obs 1	Delta	Obs 2	Delta	Obs 3	Result	Unit
1	88182				10/10							5.38	
2	88183				10/10							6.79	
3	88184				30/10							6.69	
4	BUFFER											7.01	
5	88185				30/10							6.56	
6	BUFFER											7.05	
7													
8													
9													
10													
12													
13													
14													
15													
16													
17													
18													
19													

Seq	COMMENTS

000404

Organics Extraction Bench Sheet

LENL-Pensacola, FL

DV: 030494

Client: Bailey Case: SDG: 88124

Run Log SIC-8022

Start: 3/11/96 - 1000

Type: BNA / PP / TPH / Other - Paint Filter Matrix: SOIL - ORGANIC

End 3/11/96 - 1050

Sonc / Dltn / Tumble SURR: Spike:

Balance: 004 748-14 Oven: 001 pH: 001

Analysts: Prep Surr Extr Dry Conc

Reagents:

Seq	Sample #	Vol/Wt	End Vol	pH	% Sol.	Dish	Wet	Dry	Appearance		Comments
1	AA 88124	109.18									5mL Collected
2	AA 88125	166.66									9mL Collected
3	AA 88129	102.36									0mL Collected
4	AA 88130	141.49									8mL Collected
5	AA 88131	120.91									5mL Collected
6	AA 88132	101.53									7mL Collected
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											

000405

ANALYST [illegible] SDC-88124 START 3/11/95 - 1100
RUN LOG 51C-8025 END 3/11/95 - 1200

FLASHPOINT BOIL WATER

	SAMPLE #	FLASH-POINT	COMMENTS	APPEARANCE	CLIENT
1.	BUTANOL	95°F	95°F	Co/Cl	STANDARD
2.	ETHOXYETHANOL	112°F	112°F	Co/Cl	STANDARD
3.	CARBITOL	195°F	195°F	Co/Cl	STANDARD
4.	AA 88124	NF 200°F	Did Not flash @ 200°F	BLACK	BAILEY
5.	AA 88125	NF 200°F	Did Not flash @ 200°F	BLACK	BAILEY
6.	AA 88129	NF 200°F	Did Not flash @ 200°F	BLACK	BAILEY
7.	AA 88130	NF 200°F	did not flash @ 200°F	BLACK	BAILEY
8.	AA 88131	NF 200°F	Did Not flash @ 200°F	BLACK	BAILEY
9.	AA 88132	NF 200°F	Did not flash @ 200°F	BLACK	BAILEY
10.					
11.					
12.					
13.					
14.					
15.					

APPENDIX C

LABORATORY TESTING RESULTS

GEOSYNTEC CONSULTANTS

Geomechanics and Environmental Laboratory
5775 Peachtree Dunwoody Road • Suite 10D
Atlanta, Georgia 30342 • USA
Tel. (404) 705-9500 • Fax (404) 705-9300

4 April 1996

Mr. R. Neil Davies, P.E.
GeoSyntec Consultants
1100 Lake Hearn Drive, Suite 200
Atlanta, Georgia 30342

Subject: Final Report - Laboratory Test Results
Bailey Superfund Site
Pit B Pre-Design Study

Dear Mr. Davies:

GeoSyntec Consultants (GeoSyntec) Geomechanics and Environmental Laboratory in Atlanta, Georgia, is pleased to present the attached final test results (Table 1 and Figures 1 through 5) for the above referenced project. A blank shown on the table or the figures indicates that the test was not performed, the parameter is not applicable, or that the test resulted in insufficient data to report the designated parameter. Attachment A presents the general information pertinent to the testing program, and the policy of GeoSyntec regarding the limitations and use of the test results.

The Geomechanics and Environmental Laboratory appreciates the opportunity to provide testing services for this project. Should you have any questions regarding the attached test results or if you require additional information, please do not hesitate to contact either of the undersigned.

Sincerely,

James M. Stalcup, E.I.T.
Assistant Program Manager
Special Testing

Nader S. Rad, Ph.D., P.E.
Laboratory Director

Attachment

GE3913/GEL96035

TABLE 1

SUMMARY OF LABORATORY TEST RESULTS

BAILEY SUPERFUND SITE
PIT B PRE-DESIGN STUDY

Client Sample ID	Lab Sample No.	As-Received Moisture Content (%)	Grain Size			Atterberg Limits ASTM D 4318			Soil Classification ASTM D 2487	Compaction ASTM D 698			Hydraulic Conductivity ASTM D 5084			
			Percent Passing #200 Sieve ASTM D 1140 (%)	ASTM D 422						Max. Dry Unit Weight (pcf)	Optimum Moisture Content (%)	Figure No.	Test Specimen Initial Conditions			Hydraulic Conductivity (cm/s)
				Sieve Figure No.	Hydrom. Figure No.	LL (%)	PL (%)	PI (-)					Dry Unit Weight (pcf)	Moisture Content (%)	Consolidation Pressure (psi)	
A1	E96C05	27.1	80.5	1		45	19	26	CL - Lean Clay with Sand							
B2	E96C06	41.8	69.6	2		42	20	22	CL - Sandy Lean Clay							
	E96C07	30.8											85.8	30.8	5.0	9.0E-9
D1	E96C08	46.1	97.8	3		53	20	33	CH - Fat Clay							
	E96C09	38.6											83.7	38.6	5.0	1.2E-8
E1	E96C10	42.9	95.8	4		62	26	36	CH - Fat Clay							
F2	E96C11	26.9	95.7	5		49	29	20	ML - Silt							

GEO SYNTEC CONSULTANTS
Geomechanics and Environmental Laboratory
Atlanta, Georgia

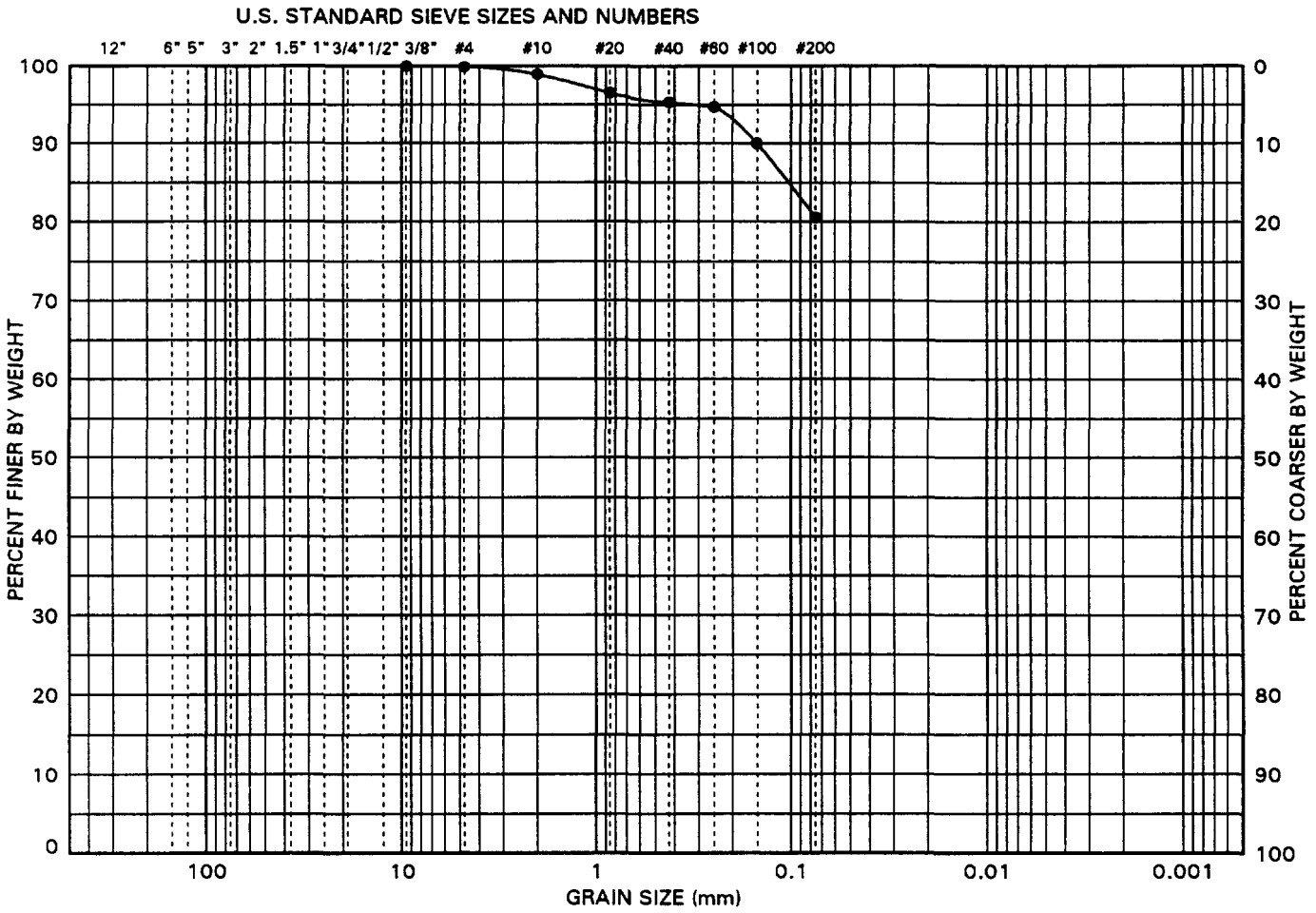
FIGURE 1

PROJECT: BAILEY SITE
PROJECT NO.: GE3913
DOCUMENT NO.: GEL96035

GS FORM: 4PS2 04/02/96

PARTICLE SIZE DISTRIBUTION AND PHYSICAL PROPERTIES

ASTM C 136, D 422, D 2487 D 3042 AND D 4318



SITE SAMPLE ID	A1	LIQUID LIMIT (%)	45	SOIL FRACTIONS: GRAVEL (%)	0.1
LAB. SAMPLE NO.	E96C05	PLASTIC LIMIT (%)	19	SAND (%)	19.4
SAMPLE DEPTH (ft)		PLASTICITY INDEX	26	FINES (%)	80.5
SOIL CLASSIFICATION: CL - Lean Clay with Sand				SILT (%)	
				CLAY(%)	
				COEFF. UNIFORMITY (Cu)	
				COEFF. CURVATURE (Cc)	

PERCENT PASSING U.S. STANDARD SIEVE SIZES AND NUMBERS														PERCENT FINER THAN HYDROMETER PARTICLE DIAMETER (mm)				
3"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#10	#20	#40	#60	#100	#200					
PERCENT PASSING SIEVE SIZES (mm)																		
75	50	37.5	25	19	12.5	9.5	4.75	2.00	0.850	0.425	0.250	0.150	0.075	0.050	0.020	0.005	0.002	0.001
100	100	100	100	100	100	100	100	99	97	95	95	90	81					

NOTES:

GEO SYNTEC CONSULTANTS
Geomechanics and Environmental Laboratory
Atlanta, Georgia

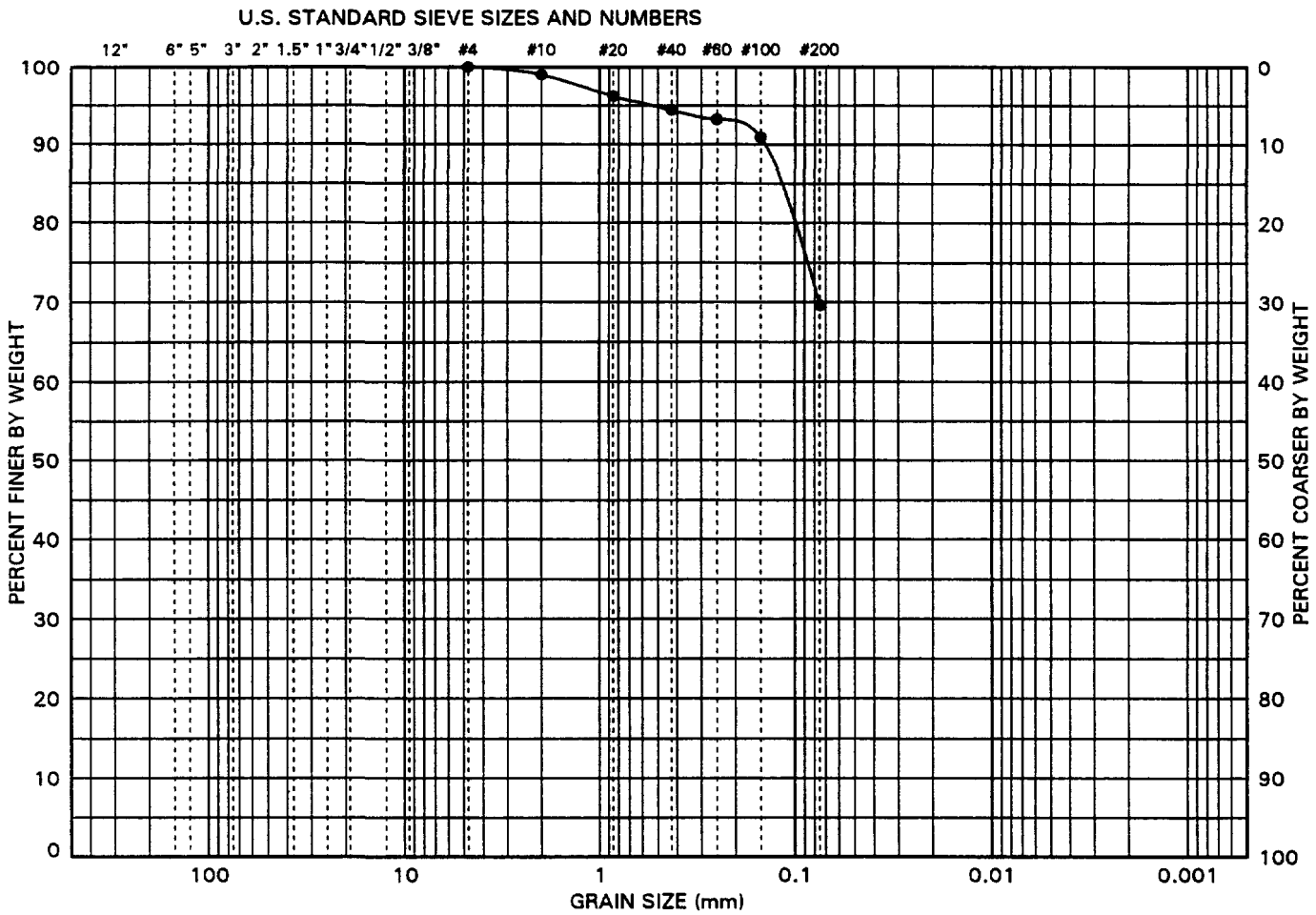
FIGURE 2

PROJECT: BAILEY SITE
PROJECT NO.: GE3913
DOCUMENT NO.: GEL96035

GS FORM: 4PS2 04/02/96

PARTICLE SIZE DISTRIBUTION AND PHYSICAL PROPERTIES

ASTM C 136, D 422, D 2487
D 3042 AND D 4318



SITE SAMPLE ID	B2	LIQUID LIMIT (%)	42	SOIL FRACTIONS: GRAVEL (%)	0.0
LAB. SAMPLE NO.	E96C06	PLASTIC LIMIT (%)	20	SAND (%)	30.4
SAMPLE DEPTH (ft)		PLASTICITY INDEX	22	FINES (%)	69.6
SOIL CLASSIFICATION: CL - Sandy Lean Clay				SILT (%)	
				CLAY(%)	
				COEFF. UNIFORMITY (Cu)	
				COEFF. CURVATURE (Cc)	

PERCENT PASSING U.S. STANDARD SIEVE SIZES AND NUMBERS														PERCENT FINER THAN HYDROMETER PARTICLE DIAMETER (mm)				
3"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#10	#20	#40	#60	#100	#200					
PERCENT PASSING SIEVE SIZES (mm)																		
75	50	37.5	25	19	12.5	9.5	4.75	2.00	0.850	0.425	0.250	0.150	0.075	0.050	0.020	0.005	0.002	0.001
100	100	100	100	100	100	100	100	99	96	94	93	91	70					

NOTES:

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Atlanta, Georgia

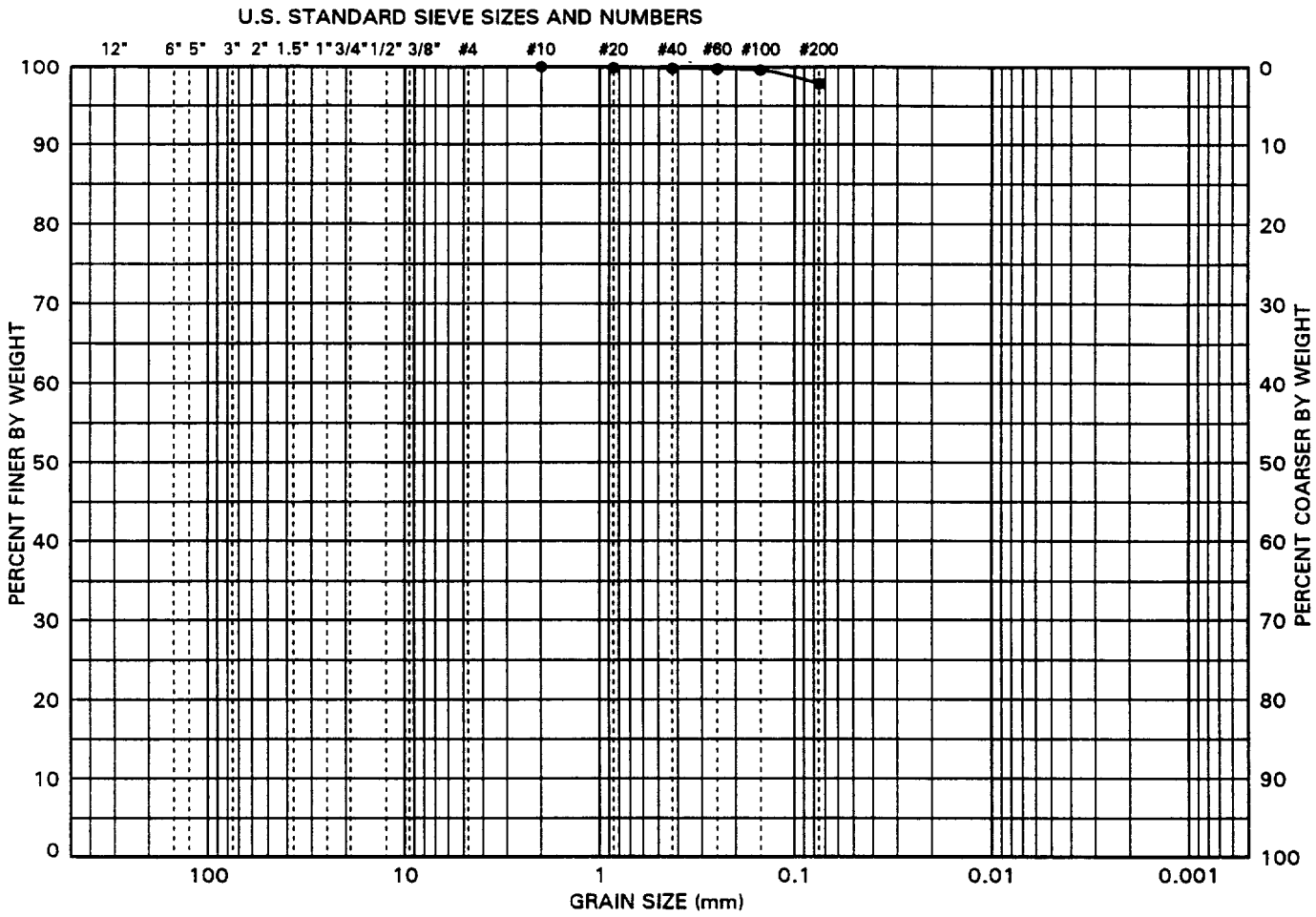
FIGURE 3

PROJECT: BAILEY SITE
PROJECT NO.: GE3913
DOCUMENT NO.: GEL96035

GS FORM: 4PS2 04/02/96

PARTICLE SIZE DISTRIBUTION AND PHYSICAL PROPERTIES

ASTM C 136, D 422, D 2487 D 3042 AND D 4318



SITE SAMPLE ID	D1	LIQUID LIMIT (%)	53	SOIL FRACTIONS: GRAVEL (%)	0.0
LAB. SAMPLE NO.	E96C08	PLASTIC LIMIT (%)	20	SAND (%)	2.2
SAMPLE DEPTH (ft)		PLASTICITY INDEX	33	FINES (%)	97.8
SOIL CLASSIFICATION: CH - Fat Clay				SILT (%)	
				CLAY(%)	
				COEFF. UNIFORMITY (Cu)	
				COEFF. CURVATURE (Cc)	

PERCENT PASSING U.S. STANDARD SIEVE SIZES AND NUMBERS														PERCENT FINER THAN HYDROMETER PARTICLE DIAMETER (mm)				
3"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#10	#20	#40	#60	#100	#200					
PERCENT PASSING SIEVE SIZES (mm)																		
75	50	37.5	25	19	12.5	9.5	4.75	2.00	0.850	0.425	0.250	0.150	0.075	0.050	0.020	0.005	0.002	0.001
100	100	100	100	100	100	100	100	100	100	100	100	100	98					

NOTES:

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Atlanta, Georgia

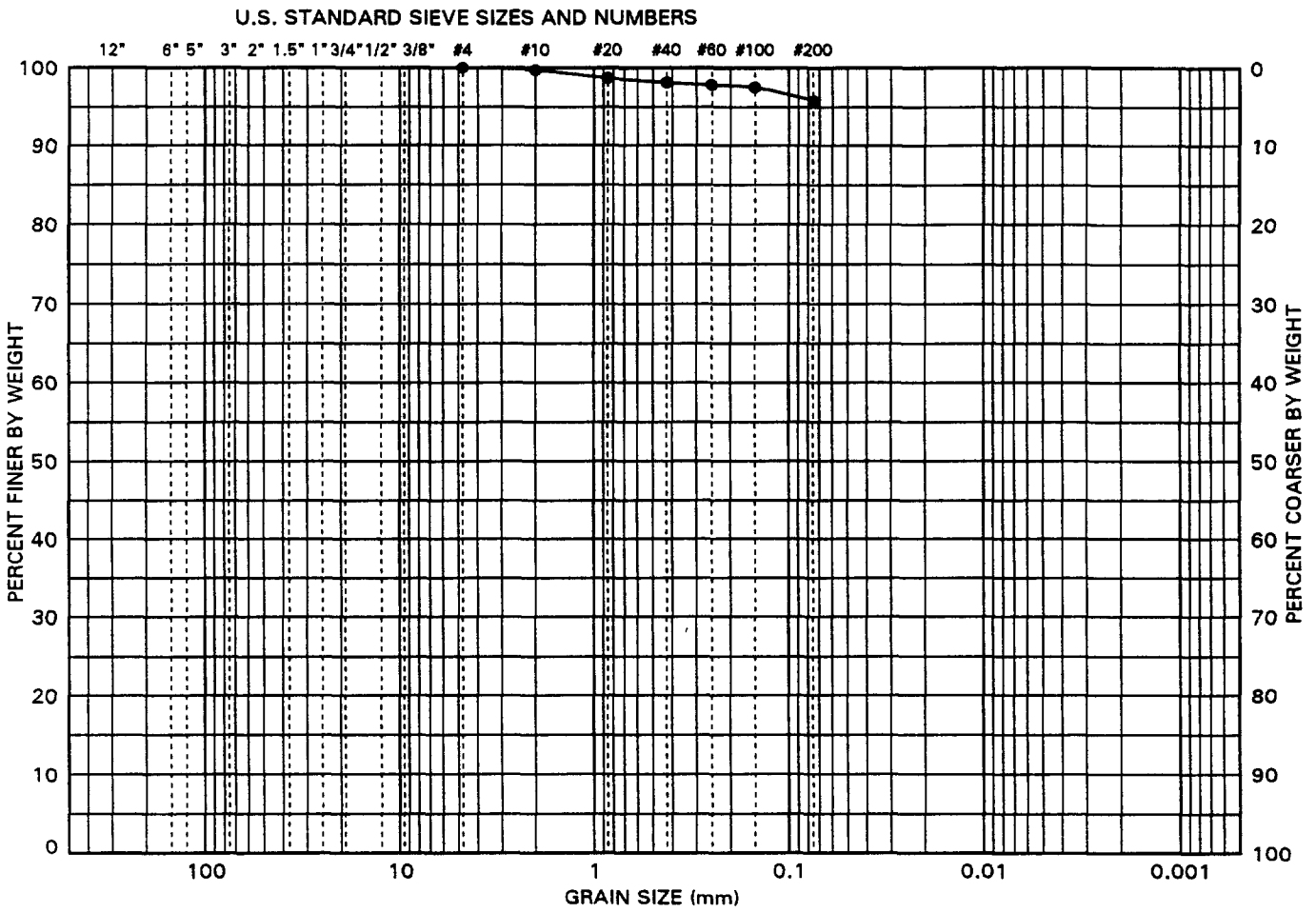
FIGURE 4

PROJECT: BAILEY SITE
PROJECT NO.: GE3913
DOCUMENT NO.: GEL96035

GS FORM: 4PS2 04/02/96

PARTICLE SIZE DISTRIBUTION AND PHYSICAL PROPERTIES

ASTM C 136, D 422, D 2487 D 3042 AND D 4318



SITE SAMPLE ID	E1	LIQUID LIMIT (%)	62	SOIL FRACTIONS	GRAVEL (%) 0.0
LAB. SAMPLE NO.	E96C10	PLASTIC LIMIT (%)	26		SAND (%) 4.2
SAMPLE DEPTH (ft)		PLASTICITY INDEX	36		FINES (%) 95.8
SOIL CLASSIFICATION: CH - Fat Clay					SILT (%)
					CLAY(%)
					COEFF. UNIFORMITY (Cu)
					COEFF. CURVATURE (Cc)

PERCENT PASSING U.S. STANDARD SIEVE SIZES AND NUMBERS														PERCENT FINER THAN HYDROMETER PARTICLE DIAMETER (mm)				
3"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#10	#20	#40	#60	#100	#200					
PERCENT PASSING SIEVE SIZES (mm)																		
75	50	37.5	25	19	12.5	9.5	4.75	2.00	0.850	0.425	0.250	0.150	0.075	0.050	0.020	0.005	0.002	0.001
100	100	100	100	100	100	100	100	100	99	98	98	98	96					

NOTES:

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Atlanta, Georgia

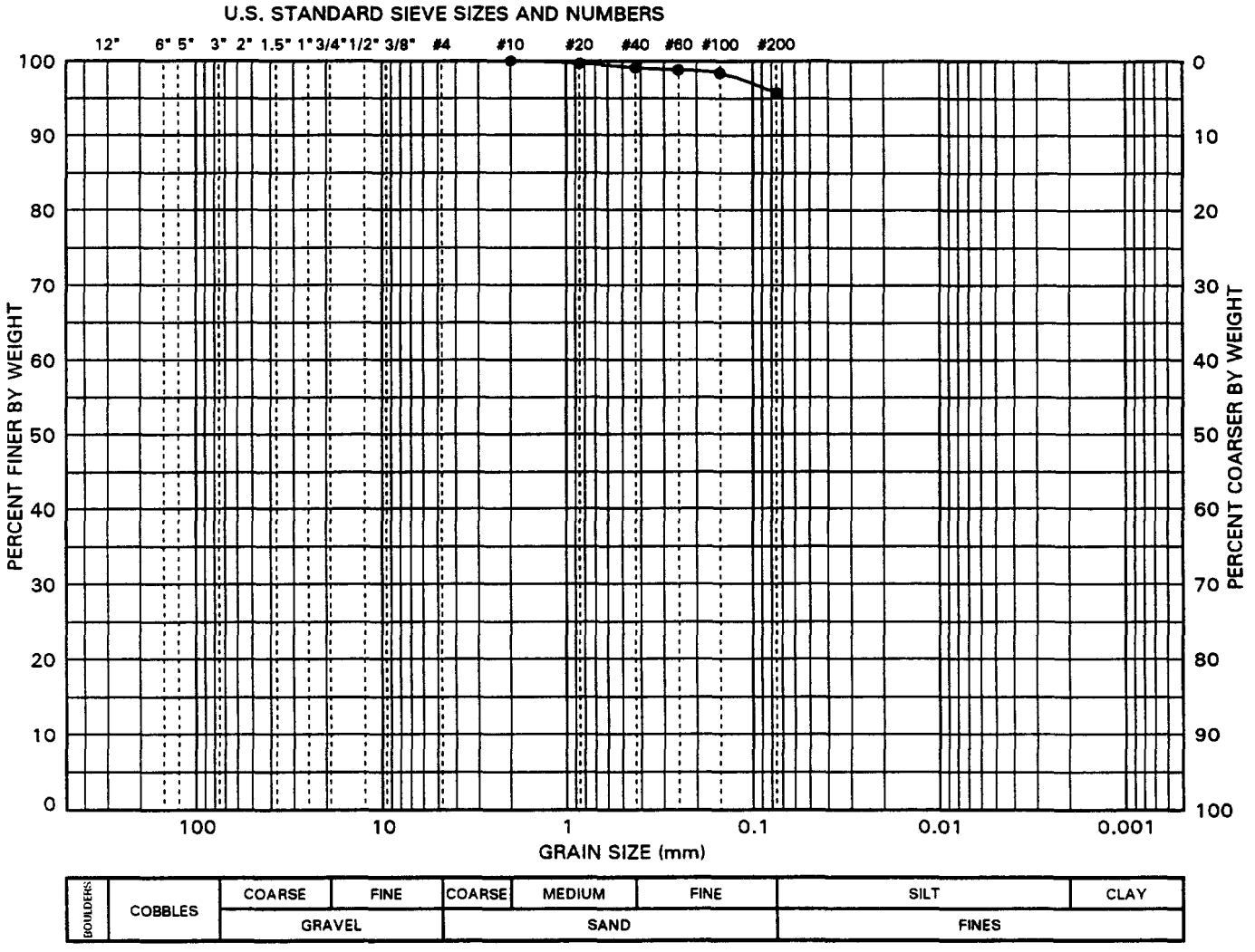
FIGURE 5

PROJECT: BAILEY SITE
PROJECT NO.: GE3913
DOCUMENT NO.: GEL96035

GS FORM: 4PS2 04/02/96

PARTICLE SIZE DISTRIBUTION AND PHYSICAL PROPERTIES

ASTM C 136, D 422, D 2487 D 3042 AND D 4318



SITE SAMPLE ID	F2	LIQUID LIMIT (%)	49	SOIL FRACTIONS: GRAVEL (%)	0.0
LAB. SAMPLE NO.	E96C11	PLASTIC LIMIT (%)	29	SAND (%)	4.3
SAMPLE DEPTH (ft)		PLASTICITY INDEX	20	FINES (%)	95.7
SOIL CLASSIFICATION: ML - Silt				SILT (%)	
				CLAY(%)	
				COEFF. UNIFORMITY (Cu)	
				COEFF. CURVATURE (Cc)	

PERCENT PASSING U.S. STANDARD SIEVE SIZES AND NUMBERS														PERCENT FINER THAN HYDROMETER PARTICLE DIAMETER (mm)				
3"	2"	1.5"	1"	3/4"	1/2"	3/8"	#4	#10	#20	#40	#60	#100	#200					
PERCENT PASSING SIEVE SIZES (mm)																		
75	50	37.5	25	19	12.5	9.5	4.75	2.00	0.850	0.425	0.250	0.150	0.075	0.050	0.020	0.005	0.002	0.001
100	100	100	100	100	100	100	100	100	100	99	99	98	96					

NOTES:

ATTACHMENT A

Sample Identification, Handling, Storage and Disposal

Laboratory Test Standards

Application of Test Results

SAMPLE IDENTIFICATION, HANDLING, STORAGE AND DISPOSAL

Test materials were sent to GeoSyntec Consultants (GeoSyntec) Geomechanics and Environmental Laboratory in Atlanta, Georgia by the client or its representative(s). Samples delivered to the laboratory were identified by client sample identification (ID) numbers which had been assigned by representative(s) of the client. Upon being received at the laboratory, each sample was assigned a laboratory sample number to facilitate tracking and documentation.

Based on the information provided to GeoSyntec by the client or its representative(s) and, when applicable, procedural guidelines recommended by an industrial hygiene consultant, the following Occupational Safety and Health Administration (OSHA) level of personal protection was adopted for handling and testing of the test materials:

[ ] test materials were not contaminated, no special protection measures were taken;
[X] level D
[ ] level C
[ ] level B

In accordance with the health and safety guidelines of GeoSyntec, contaminated materials are stored in a designated containment area in the laboratory. Non-contaminated materials are stored in a general storage area in the laboratory.

GeoSyntec Geomechanics and Environmental Laboratory will continue storing the test materials for a period of 30 days from the date of this report or a year from the time that the samples were received, which ever is shorter. Thereafter: (i) contaminated materials will be returned to the client or its designated representative(s); and (ii) the materials which are not contaminated will be discarded unless long-term storage arrangements are specifically made with GeoSyntec Geomechanics and Environmental Laboratory.

LABORATORY TEST STANDARDS

At the request of the client, the laboratory testing program was performed utilizing the guidelines provided in the following test standards:

[X] **moisture content** - American Society for Testing and Materials (ASTM) D 2216 "*Standard Method for Laboratory Determination of Water (Moisture) Content of Soil, Rock, and Soil-Aggregate Mixtures*";

[ ] **moisture content** - ASTM D 4643 "*Standard Test Method for Determination of Water (Moisture) Content of Soil by the Microwave Method*";

[X] **particle-size analysis** - ASTM 422, "*Standard Method for Particle-Size Analysis of Soils*";

[X] **percent passing No. 200 sieve** - ASTM D 1140, "*Standard Test Method for Amount of Material in Soil Finer Than No. 200 (75 microns) sieve*";

[X] **Atterberg limits** - ASTM D 4318, "*Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils*";

[X] **soil classification** - ASTM D 2487, "*Standard Test Method for Classification of Soils for Engineering Purposes*";

[ ] **soil pH** - ASTM D 4972, "*Standard Test Method for pH of Soils*";

[ ] **soil pH** - United States Environmental Protection Agency (USEPA) SW-846 Method 9045, Revision 1, 1987, Standard Test Method for Measurement of "*Soil pH*";

[ ] **specific gravity** - ASTM D 854, "*Standard Test Method for Specific Gravity of Soils*";

[ ] **carbonate content** - ASTM D 3042, "*Standard Method for Insoluble Residue in Carbonate Aggregates*";

[ ] **soundness** - ASTM C 88, "*Standard Test Method for Soundness of Aggregates by use of Sodium Sulfate or Magnesium Sulfate*";

[ ] **loss-on-ignition (LOI)** - ASTM D 2974, "*Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils*";

[ ] **standard Proctor compaction** - ASTM D 698, "*Standard Test Method for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 5.5-lb (2.49-kg) Rammer and 12-in. (305-mm) Drop*";

[ ] **modified Proctor compaction** - ASTM D 1557, "*Standard Test Method for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-lb (4.54-kg) Rammer and 18-in. (457-mm) Drop*";

[ ] **maximum relative density** - ASTM D 4253, "*Standard Test Method for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table*";

[ ] **minimum relative density** - ASTM D 4254, "*Standard Test Method for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density*";

[ ] **mass per unit area** - ASTM D 3776, "*Standard Test Method for Mass Per Unit Area (weight) of Woven Fabric*";

[ ] **thickness measurement** - ASTM D 1777, "*Standard Test Method for Measuring Thickness of Textile Materials*";

[ ] **free swell** - United States Pharmacopeia National Formulary (USP-NF) XVII, "*Swell Index of Clay*";

[ ] **fluid loss** - American Petroleum Institute (API)-13B, "*Section 4, Bentonite*";

[ ] **marsh funnel** - API-13B, "*Section 4, Field Testing of Oil Mud Viscosity and Gel Strength*";

[ ] **pinhole dispersion** - ASTM D 4647, "*Standard Test Method for Identification and Classification of Dispersive Clay Soils by the Pinhole Test*";

[ ] **gradient ratio** - ASTM D 5101, "*Standard Test Method for Measuring the Soil-Geotextile System Clogging Potential by the Gradient Ratio*";

[ ] **hydraulic conductivity ratio** - Draft ASTM D 35.03.91.01, "*Standard Test Method for Hydraulic Conductivity Ratio (HCR) Testing*";

[ ] **hydraulic transmissivity** - ASTM D 4716, "*Standard Test Method for Constant Head Hydraulic Transmissivity (In-plane flow) of Geotextiles and Geotextile Related Products*";

[ ] **one-dimensional consolidation** - ASTM D 2435, "*Standard Test Method for One-Dimensional Consolidation Properties of Soil*";

[ ] **one-dimensional swell/collapse** - ASTM D 4546, "*Standard Test Method for One-Dimensional Swell or Settlement Potential of Cohesive Soils*";

[ ] **unconfined compressive strength (UCS)** - ASTM D 2166, " *Standard Test Method for Unconfined Compressive Strength of Cohesive Soil*";

[ ] **triaxial compressive strength ($\overline{\text{ICU}}$)** - ASTM D 4767, "*Standard Test Method for Triaxial Compression Test on Cohesive Soils*";

[ ] **triaxial compressive strength (UU)** - ASTM D 2850, "*Standard Test Method for Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression*";

[ ] **rigid wall constant head hydraulic conductivity** - ASTM D 2434, "*Standard Test Method for Permeability of Granular Soils (Constant Head)*";

[X] **flexible wall falling head hydraulic conductivity** - ASTM D 5084, "*Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter*";

[ ] **flexible wall falling head hydraulic conductivity** - U. S. Army Corp of Engineers; EM-1110-2-1906, "*Standard Test Method for Permeability Tests, Appendix VII*";

[ ] **index flux of GCL** - proposed ASTM method rough draft # 1, 6/18/94, "*Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liner Specimens Using a Flexible Wall Permeameter*";

[ ] **flexible wall falling head hydraulic conductivity** - Geosynthetic Research Institute (GRI) GCL-2, "*Standard Test Method for Permeability of Geosynthetic Clay Liners (GCLs)*";

[ ] **permeability/compatibility** - USEPA Method 9100, SW-846, Revision 1, 1987, Standard Test Method for Measurement of "*Saturated Hydraulic Conductivity, Saturated Leachate Conductivity and Intrinsic Permeability*";

[ ] **capillary-moisture** - ASTM D 2325, "*Standard Test Method for Capillary-Moisture Relationships for Coarse- and Medium-Textured Soils by Porous-Plate Apparatus*";

[ ] **capillary-moisture** - ASTM D 3152, "*Standard Test Method for Capillary-Moisture Relationships for Fine-Textured Soils by Pressure-Membrane Apparatus*" and

[ ] **paint filter liquids** - USEPA Method 9095, SW-846, Revision 1, 1987, "*Paint Filter Liquids Test*".

APPLICATION OF TEST RESULTS

The reported test results apply to the field materials inasmuch as the samples sent to the laboratory for testing are representative of these materials. This report applies only to the materials tested and does not necessarily indicate the quality or condition of apparently identical or similar materials. The testing was performed in accordance with the general engineering standards and conditions reported. The test results are related to the testing conditions used during the testing program. As a mutual protection to the client, the public, and GeoSyntec, this report is submitted and accepted for the exclusive use of the client and upon the condition that this report is not used, in whole or in part, in any advertising, promotional or publicity matter without prior written authorization from GeoSyntec.

APPENDIX D

PIT B WASTE CONDITIONING STUDY

Prepared for

Bailey Site Settlors Committee
c/o Parsons Engineering Science, Inc.
9906 Gulf Freeway, Suite 100
Houston, Texas

TECHNICAL MEMORANDUM
PIT B WASTE CONDITIONING STUDY

BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

Prepared by

GEOSYNTEC CONSULTANTS
1100 Lake Hearn Drive, NE, Suite 200
Atlanta, Georgia 30342

Project Number GE3913-204

May 1996

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Table 4. Analytical Data Summary (Adjusted for Dilution)

1. TERMS OF REFERENCE

This document has been prepared by GeoSyntec Consultants, Atlanta, Georgia (GeoSyntec) on behalf of the Bailey Site Settlors Committee (BSSC) to present the results of the bench-scale waste conditioning study conducted on waste present in Pit B at the Bailey Superfund Site, located in Orange County, Texas. The purpose of the waste conditioning study was to evaluate the technical feasibility and effectiveness of different waste conditioning techniques at reducing reactive sulfide levels that were reported in the Pit B waste.

2. STUDY OBJECTIVE

The background of and reasons for conducting the Pit B Pre-design Study (PDS) are presented in the main body of the Pit B PDS Report. The objective of the waste conditioning study is to evaluate (i) the likely source of reactive sulfides that were found in the collected samples of Pit B waste; and (ii) the types of waste conditioning required to reduce the levels of reactive sulfide present (if any) in the Pit B waste stream to less than the EPA Interim Guidance level of 500 mg/kg. The reagents tested were lime, ferric chloride ($FeCl_3$) plus lime, and hydrogen peroxide (H_2O_2) plus lime. The rationale for the selection of these specific reagents is summarized in Section 3.1. Bulk samples of waste were collected from Pit B in the areas thought to contain the highest concentrations reactive sulfide (i.e., up to 1,600 mg/kg reactive H_2S based on results of the PDS sampling events) were collected for evaluation during the waste conditioning study. Varying dosage rates of the reagents considered for the waste conditioning study were evaluated in order to evaluate the lowest dosage possible to reduce the concentration of reactive sulfide. The contributions of all deactivation mechanisms, including dilution, oxidation, precipitation, and pH adjustment/solidification to the disappearance of reactive sulfide were evaluated during the course of this study.

3. EXPERIMENTAL PROTOCOL/RATIONALE

3.1 Deactivation Mechanisms

Sulfide is a regulated constituent under the Resource Conservation and Recovery Act (RCRA) because of its toxicity. Wastes containing sulfide are regulated under RCRA as reactive (D003 waste code) wastes if, at pH values between 2 and 12, the waste will release toxic amounts of sulfide as H_2S gas. The generation of H_2S can be precluded by alkaline pH adjustment or by removing the total reactive sulfide from the waste stream. The latter procedure can be achieved by oxidizing the sulfide present in the waste to sulfate, a relatively non-toxic form of sulfur, in the presence of an oxidizing agent or by precipitation of sulfide as an insoluble compound. The following sections describe the chemical processes evaluated during the waste conditioning study.

3.1.1 pH Adjustment

In aqueous solutions, such as those present in the Pit B waste, soluble sulfide anions exist in pH-dependent forms, as demonstrated by the chemical equilibria presented below:

$$\underset{High\ pH}{S^{2-}} \xleftrightarrow{H^+} HS^- \xleftrightarrow{H^+} \underset{Low\ pH}{H_2S\uparrow}$$

In acidic conditions, in the absence of chelating (binding) agents, sulfide will exist as hydrogen sulfide gas (H_2S). Similarly, in alkaline, non-chelating conditions, sulfide will exist as the soluble sulfide anion (S^{2-}). Since reactive sulfide is defined as that sulfide which will be released to the atmosphere as hydrogen sulfide gas (H_2S) between pH 2 and 12, any agent which increases the alkalinity of the material (by increasing its pH), could mitigate the emission of H_2S.

A common industrial reagent used for this purpose is lime (calcium oxide, CaO). Lime increases the pH of an aqueous solution by the following chemical reaction.

$$CaO + H_2O \longleftrightarrow Ca^{2+} + 2OH^-$$

Thus, when lime is added to the waste, the pH is raised, the sulfide anion (S^{2-}) is predominantly formed, and the generation of H_2S is precluded.

3.1.2 Oxidation

A common industrial chemical that has been employed as an oxidizing agent is hydrogen peroxide, H_2O_2. Hydrogen peroxide oxidizes soluble sulfide to sulfate primarily by the following reaction.

$$8H_2O_2 + S^{2-} \rightleftharpoons SO_4^{2-} + 8H_2O + 2O_2$$

Stoichiometrically, an 8:1 H_2O_2:S^{2-} ratio is required to completely oxidize sulfide to sulfate. This is a relationship postulated based on the absence of any other reactive species which may also consume the H_2O_2 added. As this is obviously not the case in the Pit B waste material (i.e., there are other compounds, principally organics which will be oxidized by H_2O_2 addition), in the waste conditioning study, a stoichiometric relationship of greater than 8:1 H_2O_2:S^{2-} will be added as an upper limit for H_2O_2 addition. Once formed, sulfate will not generate H_2S unless exposed to a reducing agent. Thus, the waste has been deactivated with regard to sulfide reactivity.

Because the only form of peroxide readily available for the waste conditioning study was 3% H_2O_2, a substantial increase in the moisture content of the waste was caused by the addition of a sufficient quantity of the H_2O_2 solution to oxidize the known quantities of sulfide present (detected at concentrations up to 1,600 mg/kg). While the concentration of the H_2O_2 that would be used in the full-scale application of this technique will be much higher (approximately 30%) than that observed in the waste conditioning study, a similar increase in moisture content can be expected. In anticipation of this problem, the treated material will be stabilized with lime, for the dual purpose of waste solidification and also to raise the pH of the treated material, thus altering the state of any unreacted sulfide to the sulfide anion (S^{2-}), precluding the formation of H_2S.

3.1.3 Precipitation

The most effective agents for sulfide precipitation are generally metallic cations. A relatively non-toxic metallic cation that has been widely used for this purpose is ferric iron (iron in the +3 valence state). Ferric iron (Fe^{3+}) is commercially available as ferric chloride ($FeCl_3$) and reacts with soluble sulfide by the following reaction.

$$2FeCl_3 + 3S^{2-} \rightleftharpoons Fe_2S_3(s) + 6Cl^-$$

The ferric sulfide (Fe_2S_3) precipitated is very insoluble (K_{sp}=1.4 x 10^{-88}), even in the presence of acid. Thus, in a complete reaction, soluble sulfide is removed from solution and will not convert to gaseous H_2S. By the stoichiometry above, $FeCl_3$ reacts with soluble sulfide in a 2:3 ratio. It should also be noted that $FeCl_3$ can also be reduced to ferrous sulfide in the presence of a mild reducing agent, likely to be found in the Pit B waste. That reduction occurs by the reactions given below:

$$Fe^{3+} \xleftrightarrow{e^-} Fe^{2+}$$

The reducing agent in question could be the sulfide itself, being converted to sulfate or another oxidized form of sulfur (e.g., sulfur, sulfite, thiosulfate, etc.). The primary oxidation reaction for sulfide has been discussed previously. If, however, there is sulfide remaining in the presence of ferrous (Fe^{2+}) iron, ferrous sulfide (FeS) can be precipitated by the following reaction.

$$Fe^{2+} + S^{2-} \rightleftharpoons FeS(s)$$

Ferrous sulfide is also insoluble in water (K_{sp}=4.9 x 10^{-18}), even in the presence of acid. The degree, if any, to which the oxidation of Fe^{3+} to Fe^{2+} will occur is not known. However, if it does occur, sulfide should be precipitated by a similar mechanism.

Due to the solubility limits of $FeCl_3$ in water, relatively dilute concentrations were used in the waste conditioning study, thus resulting in a substantial increase in the

moisture content of the treated waste. Therefore, the iron conditioned material was stabilized with lime for the same reasons as was the H_2O_2 conditioned material.

3.1.4 Dilution

Because external agents were added to the waste for the purposes of treatment, some degree of mass dilution will occur, independent of chemical reactions under consideration. The degree to which reactive sulfide disappearance will occur due to dilution was evaluated during the waste conditioning study by mathematically adjusting the post-conditioning concentrations prior to rendering any conclusions as to waste conditioning effectiveness.

3.2 Experimental Protocol

The procedures implemented for this study are summarized below by conditioning level under consideration. Table 1 provides a listing of all samples collected for the waste conditioning study, their corresponding conditioning level, and the chemical analyses performed on each.

Pretesting

1. Three bulk samples (approximately 40 pounds each) were collected in a five gallon bucket from sampling locations A3, D2, and B3, the most heavily contaminated areas of Pit B with regard to reactive sulfide. These samples were shipped to the GeoSyntec Atlanta Laboratory.

2. Upon arrival, sample D2 was homogenized, subsampled in triplicate, and analyzed for reactive sulfide by SW-846 Chapter 7 Method, and total sulfide by SW Method 9030A. Bulk samples A3 and B3 were sampled (three samples from bulk sample A3; one sample from bulk sample B3) for screening purposes and analyzed for reactive and total sulfide. These bulk samples were held in reserve to evaluate the remainder of the Pit B waste in the event that analysis of the sample from location D2 proved unenlightening.

Experimental Procedures:

Stabilization

1. An aliquot of the original sample (approximately 3000 g in weight) was collected.

2. This aliquot was split into thirds (approximately 1000 g each wet weight).

3. A known amount of lime was added to each aliquot. The amounts of lime added were 15, 25 and 40% reagent:waste final ratios.

4. The solution/waste material was mixed thoroughly and allowed to stand for five minutes.

5. Duplicate subsamples were collected from each concentration of lime added and analyzed for reactive sulfide by SW-846 Chapter 7 Method, total sulfide by SW Method 9030A, pH by SW Method 9045C, paint filter by SW Method 9095, and for moisture content by ASTM Method D 2216.

6. Waste handling and mixing operations were performed under controlled conditions (i.e., in a fume hood). The headspace of the mixing container was monitored with Draeger tubes to detect the generation of H_2S gas.

Iron Precipitation

1. An aliquot of the original sample (approximately 3000 g in weight) was collected.

2. This aliquot was split into thirds (approximately 1000 g each wet weight).

3. Ferric chloride was added to each waste aliquot. The concentrations of $FeCl_3$ added were 6, 15, and 30 g $FeCl_3$ per kg waste; each amount of $FeCl_3$ added was dissolved in 100 ml water. Following $FeCl_3$ addition, the waste was mixed thoroughly and subsequently subsampled in duplicate and analyzed for reactive sulfide by SW-846 Chapter 7 Method, total sulfide by SW Method 9030A, pH by SW Method 9045C, paint filter by SW Method 9095, and for moisture content by ASTM Method D 2216.

4. The remaining conditioned material (after subsample collection) was stabilized with 25% (adjusted weight) lime.

5. The waste material was mixed thoroughly and allowed to stand for five minutes.

6. Duplicate subsamples were collected for each concentration of $FeCl_3$ added and analyzed for reactive sulfide by SW-846 Chapter 7 Method, total sulfide by SW Method 9030A, pH by SW Method 9045C, paint filter by SW Method 9095, and for moisture content by ASTM Method D 2216.

7. Waste handling and mixing operations were performed under controlled conditions (i.e., in a fume hood). The headspace of the mixing container was monitored with Draeger tubes to detect the generation of H_2S gas.

Peroxide Oxidation

1. An aliquot of the original sample (approximately 1000 g in weight) was collected.

2. A total of 9 g of H_2O_2 (300 ml 3% solution) was added to this material. Following H_2O_2 addition, the waste was allowed to stand for five minutes and then it was subsampled in duplicate and analyzed for reactive sulfide by SW-846 Chapter 7 Method, total sulfide by SW Method 9030A, pH by SW Method 9045C, paint filter by SW Method 9095, and for moisture content by ASTM Method D 2216.

3. The H_2O_2 conditioned waste was stabilized with 25% lime (adjusted weight).

4. The solution/waste material was mixed thoroughly and allowed to stand for five minutes.

5. Duplicate subsamples were collected from the H_2O_2 conditioned/lime stabilized material and analyzed for reactive sulfide by SW-846 Chapter 7 Method, total sulfide by SW Method 9030A, pH by SW Method 9045C, paint filter by SW Method 9095, and for moisture content by ASTM Method D 2216.

6. Waste handling and mixing operations were performed under controlled conditions (i.e., in a fume hood). The headspace of the mixing container was monitored with Draeger tubes to detect the generation of H_2S gas.

4. RESULTS

4.1 Visual Results Summary

Generally, the reagents applied mixed fairly well with the waste. Hydrogen sulfide was not emitted from any of the waste samples tested at levels detectable with Draeger tubes. For the replicate waste sample conditioned with H_2O_2, it did not appear as though oxygen was emitted from the material (as O_2 bubbles); a noticeable increase in heat was observed from this replicate when lime was added to it, however.

4.2 Pre-Conditioning Results Summary

All three bulk samples analyzed (A3, B3, and D2) contained reactive sulfide concentrations less than 500 mg/kg prior to initiating the waste conditioning study (Table 2), although bulk sample D2 appeared to contain the highest concentration of reactive sulfide (up to 260 mg/kg; Table 2). Since these results were not consistent with those obtained from previous samples of waste collected from Pit B, samples of the water and sediment overlying the waste at location D3 in Pit B were collected and analyzed for total and reactive sulfides in an attempt to identify the potential source of the reactive sulfides. These data are summarized in Table 2.

4.3 Analytical Results Summary

Table 3 presents the results of chemical analyses performed during the waste conditioning study. Table 4 presents the results of these analyses after adjustment for dilution.

For bulk sample D2, the pre-conditioning sampling concentrations of reactive sulfide ranged from 200 to 260 mg/kg (Table 3). Most of the reactive sulfide data were extremely variable in the conditioned waste samples, exhibiting sampling error rates, when computable, of 84% to 125% (Table 3). The end result of the variability in the data is that any data trends are suspect.

Total sulfide was analyzed to provide an additional level of control on the results obtained from the waste conditioning agents applied. However, since the total sulfide levels in the waste material prior to conditioning were less than post-conditioning total sulfide values (Table 2), and because these values were also less than the reactive sulfide values in the same set of samples (Table 3), conclusions based on the total sulfide data cannot be made. The heterogeneous nature of the waste, as evidenced by the high sampling error rates observed for both total and reactive sulfide measured for both the pre- and post-conditioning waste samples, is the likely reason for this apparent disparity.

Lime conditioning may have reduced the reactive sulfide levels in the Pit B waste samples, although variability in the experimental data precludes a positive determination in this regard. For the 15% addition of lime, the reactive sulfide levels may have been reduced up to 26% (Table 4); for the 25% lime addition, reactive sulfide levels may have been reduced up to 43% (Table 4). However, the enormous variation (113-120%) in the analytical data set (Table 4) suggests that this reduction is not significant. The 40% addition of lime apparently reduced the reactive sulfide levels to non-detect (<50 mg/kg; Table 4). In each case, the conditioned material passed the paint filter test, whereas the pre-conditioned material did not, and the pH of the material was dramatically increased, from a pre-conditioned mean of 6.1 to a post-conditioned mean of 12.4 (all lime application rates; Table 4).

Ferric chloride conditioning mediated a reduction in reactive sulfide levels. The 6 g $FeCl_3$/kg application rate did not cause a significant reduction in reactive sulfide levels (Table 4). A significant reduction (to less than the 50 mg/kg detection limit) was noted for the 15 and 30 g $FeCl_3$/kg application rates, however (Table 4). The pH of the material was reduced (made acidic) by the addition of $FeCl_3$ (reduced to approximately pH 2.5 at a dosage rate of 30 g $FeCl_3$/kg; Table 4), which is not surprising since ferric chloride can act as a Lewis acid. When lime was to the ferric chloride conditioned samples, increases in pH were noted (up to pH 12.5; Table 4). The addition of lime significantly reduced the reactive sulfide levels for the 6 g $FeCl_3$/kg application rate (Table 4); no significant change in reactive sulfide levels in the 15 and 30 g $FeCl_3$/kg application rates due to the subsequent addition of lime was noted, however (Table 4).

Hydrogen peroxide, applied at a rate of 9 g H_2O_2/kg waste, reduced the reactive sulfide levels to less than the detection limit of 50 mg/kg and lowered the pH of the material to 4.9 (Table 4). The addition of lime increased the pH of the hydrogen peroxide treated material to 12.45 without a significant change in reactive sulfide levels (Table 4).

5. DISCUSSION

The levels of reactive sulfide in bulk samples A3 and B3 were less than the interim guidance threshold of 500 mg/kg for both samples analyzed (Table 2). This data coupled with the observed concentrations of reactive sulfide in the D2 sample prior to conditioning suggests both that the tarry waste in Pit B, when excavated using a backhoe or other heavy equipment, does not contain reactive sulfide in a concentration greater than 500 mg/kg and that the reactive sulfide levels obtained in earlier Pit B investigations may have come from sampling artifact or another source. A possible source of reactive sulfide in a marsh environment is the sediment; this possibility was investigated as follows.

While at the Bailey site during the execution of the Sitewide Pre-design Study, GeoSyntec personnel collected samples of the sediment and water in Pit B from location D2. The water sample contained 1.1 mg/L reactive sulfide; the sediment sample contained 800 mg/kg reactive sulfide wet weight; 5700 mg/kg reactive sulfide dry weight (Table 2). It is GeoSyntec's opinion that the marsh sediment on top of Pit B is the source of the reactive sulfide detected in the Pit B samples.

With regard to the waste conditioning study, it can generally be concluded that the addition of lime caused a reduction in the levels of reactive sulfide in the Pit B wastes, although the mechanism by which this reduction occurred (dilution or pH adjustment) as well as the minimum lime dosage rate required are uncertain, due to the heterogeneity of waste material, manifested by huge error rates in the samples collected from it (pre- and post-conditioning). A similar statement can be made for ferric chloride addition. Hydrogen peroxide conditioning appeared to reduce the levels of reactive sulfide, but the mechanism by which this was accomplished (i.e., dilution or sulfide oxidation) is unknown.

6. RECOMMENDATION

Because of the relatively inconclusive nature of the waste conditioning study results, and because of the identification of the marsh sediments as the probable source of the reactive sulfide, GeoSyntec recommends an on-site demonstration of the effectiveness of lime conditioning with a larger sample size to confirm that lime conditioning can be used to reduce the concentration of reactive sulfide to less than 500 mg/kg. The waste conditioning process will also serve to improve the handleability of the waste material. The protocol for this demonstration will be developed and addressed under separate cover.

TABLES

TABLE 1
SAMPLE IDENTIFICATION AND ANALYSES PERFORMED
PIT B WASTE CONDITIONING STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

Level	Sample Name	Analyses Performed				
		Total Sulfide (SW 9030A)	Reactive Sulfide (SW-846, Chapter 7)	pH (SW 9045C)	Moisture (ASTM D2216)	Paint Filter (SW 9095)
Pre-Conditioning	D2	X	X			
	D2	X	X			
	D2	X	X			
15% Lime	D2-S1-1	X	X	X	X	X
	D2-S1-2	X	X	X	X	X
25% Lime	D2-S2-1	X	X	X	X	X
	D2-S2-2	X	X	X	X	X
40% Lime	D2-S3-1	X	X	X	X	X
	D2-S3-2	X	X	X	X	X
Iron (6)	D2-FE1-1	X	X	X	X	X
	D2-FE1-2	X	X	X	X	X
Iron (6) + lime	D2-FE1-S-1	X	X	X	X	X
	D2-FE1-S-2	X	X	X	X	X
Iron (15)	D2-FE2-1	X	X	X	X	X
	D2-FE2-2	X	X	X	X	X
Iron (15) + lime	D2-FE2-S-1	X	X	X	X	X
	D2-FE2-S-2	X	X	X	X	X
Iron (30)	D2-FE3-1	X	X	X	X	X
	D2-FE3-2	X	X	X	X	X
Iron (30) + lime	D2-FE3-S-1	X	X	X	X	X
	D2-FE3-S-2	X	X	X	X	X
H_2O_2 (300)	D2-OX1-1	X	X	X	X	X
	D2-OX1-2	X	X	X	X	X
H_2O_2 (300) + lime	D2-OX1-S-1	X	X	X	X	X
	D2-OX1-S-2	X	X	X	X	X

TABLE 2
BULK SAMPLE PRE-CONDITIONING AND MARSH SEDIMENT DATA
PIT B WASTE CONDITIONING STUDY
BAILEY SUPERFUND SITE
ORANGE COUNTY, TEXAS

Level	Identification	Sample Name	Analyses and Results Performed				
			Total Sulfide (mg/kg)[a]	Reactive Sulfide (mg/kg)[a]	pH	Moisture (%)	Paint Filter
Pre-Conditioning Pit B Waste	Bulk Sample D2	D2	12	260	6.1	68	Fail
	Bulk Sample D2	D2	11	200	6.1	63	Fail
	Bulk Sample D2	D2	10	200	6.1	68	Fail
	Bulk Sample A3	PRE-1	26	240	5.7	46	Fail
	Bulk Sample A3	PRE-2	38	<50	5.3	41	Fail
	Bulk Sample A3	PRE-3	16	110	5.7	40	Fail
	Bulk Sample B3	B3	33	91	NA[b]	58	NA
D2 Sediment	Sediment from D2	D2-S	9.1	800	7.8	86	NA
D2 Water	Water from D2	D2-W	1.1	<50	7.8	NA	NA

[a] *Units are mg/L for water samples*
[b] *NA, Not Analyzed*

TABLE 3
ANALYTICAL DATA SUMMARY
PIT B WASTE CONDITIONING STUDY
BAILEY SUPERFUND SITE – ORANGE COUNTY, TEXAS

Level	Parameter	Replicate 1	Replicate 2	Replicate 3	Mean[a]	S.E.[a,b]	% Error
Pretreatment	Moisture	68	68	63	66.33	2.04	3%
	pH	6.1	6.1	6.1	6.10	0.00	0%
	Total Sulfide	10	12	11	11.00	0.71	6%
	Reactive Sulfide	200	260	200	220.00	24.49	11%
15% Lime	Moisture	58	58		58.00	0.00	0%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	250	300		275.00	35.36	13%
	Reactive Sulfide	260	<50		142.50	166.17	117%
25% Lime	Moisture	53	55		54.00	1.41	3%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	240	85		162.50	109.60	67%
	Reactive Sulfide	180	<50		102.50	109.60	107%
40% Lime	Moisture	46	46		46.00	0.00	0%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	11	3600		1805.50	2537.81	141%
	Reactive Sulfide	<50	<50		NA[c]	NA	NA
Iron (6)	Moisture	66	64		65.00	1.41	2%
	pH	5.3	5.4		5.35	0.07	1%
	Total Sulfide	34	180		107.00	103.24	96%
	Reactive Sulfide	410	<50		217.50	272.24	125%
Iron (6) + lime	Moisture	55	53		54.00	1.41	3%
	pH	12.4	12.3		12.35	0.07	1%
	Total Sulfide	79	170		124.50	64.35	52%
	Reactive Sulfide	98	<50		61.50	51.62	84%
Iron (15)	Moisture	72	60		66.00	8.49	13%
	pH	4.1	4		4.05	0.07	2%
	Total Sulfide	44	97		70.50	37.48	53%
	Reactive Sulfide	<50	<50		NA	NA	NA
Iron (15) + lime	Moisture	54	56		55.00	1.41	3%
	pH	12.3	12.3		12.30	0.00	0%
	Total Sulfide	120	11		65.50	77.07	118%
	Reactive Sulfide	150	<50		87.50	88.39	101%
Iron (30)	Moisture	61	65		63.00	2.83	4%
	pH	2.6	2.5		2.55	0.07	3%
	Total Sulfide	73	64		68.50	6.36	9%
	Reactive Sulfide	<50	<50		NA	NA	NA
Iron (30) + lime	Moisture	55	56		55.50	0.71	1%
	pH	12.2	12.2		12.20	0.00	0%
	Total Sulfide	180	110		145.00	49.50	34%
	Reactive Sulfide	170	58		114.00	79.20	69%
H_2O_2 (300)	Moisture	59	69		64.00	7.07	11%
	pH	5	4.9		4.95	0.07	1%
	Total Sulfide	170	70		120.00	70.71	59%
	Reactive Sulfide	<50	<50		NA	NA	NA
H_2O_2 (300) + lime	Moisture	64	63		63.50	0.71	1%
	pH	12.4	12.5		12.45	0.07	1%
	Total Sulfide	15	10		12.50	3.54	28%
	Reactive Sulfide	<50	<50		NA	NA	NA

[a] *Mean and standard error calculated using 1/2 the detection limit, when at least one, but not all values were non-detect.*
[b] *S.E., Standard error*
[c] *NA, Not applicable, all values are non-detect*

TABLE 4
ANALYTICAL DATA SUMMARY
PIT B WASTE CONDITIONING STUDY (ADJUSTED FOR DILUTION)
BAILEY SUPERFUND SITE – ORANGE COUNTY, TEXAS

Level	Parameter	Replicate 1	Replicate 2	Replicate 3	Mean[a]	S.E.[a,b]	% Error
Pretreatment	Moisture	68	68	63	66.33	2.04	3%
	pH	6.1	6.1	6.1	6.10	0.00	0%
	Total Sulfide	10	12	11	11.00	0.71	6%
	Reactive Sulfide	200	260	200	220.00	24.49	11%
15% Lime	Moisture	58	58		58.00	0.00	0%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	288	345		316.25	40.66	13%
	Reactive Sulfide	299	<50		162.00	193.75	120%
25% Lime	Moisture	53	55		54.00	1.41	3%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	300	106		203.13	137.00	67%
	Reactive Sulfide	225	<50		125.00	141.42	113%
40% Lime	Moisture	46	46		46.00	0.00	0%
	pH	12.4	12.4		12.40	0.00	0%
	Total Sulfide	15	5040		2527.70	3552.93	141%
	Reactive Sulfide	<50	<50		NA[c]	NA	NA
Iron (6)	Moisture	66	64		65.00	1.41	2%
	pH	5.3	5.4		5.35	0.07	1%
	Total Sulfide	38	199		118.34	114.18	96%
	Reactive Sulfide	453	<50		239.23	302.97	127%
Iron (6) + lime	Moisture	55	53		54.00	1.41	3%
	pH	12.4	12.3		12.35	0.07	1%
	Total Sulfide	109	235		172.12	88.96	52%
	Reactive Sulfide	135	<50		80.24	78.12	97%
Iron (15)	Moisture	72	60		66.00	8.49	13%
	pH	4.1	4		4.05	0.07	2%
	Total Sulfide	49	108		78.61	41.79	53%
	Reactive Sulfide	<50	<50		NA	NA	NA
Iron (15) + lime	Moisture	54	56		55.00	1.41	3%
	pH	12.3	12.3		12.30	0.00	0%
	Total Sulfide	167	15		91.29	107.42	118%
	Reactive Sulfide	209	<50		117.03	130.15	111%
Iron (30)	Moisture	61	65		63.00	2.83	4%
	pH	2.6	2.5		2.55	0.07	3%
	Total Sulfide	82	72		77.41	7.19	9%
	Reactive Sulfide	<50	<50		NA	NA	NA
Iron (30) + lime	Moisture	55	56		55.50	0.71	1%
	pH	12.2	12.2		12.20	0.00	0%
	Total Sulfide	254	155		204.81	69.92	34%
	Reactive Sulfide	240	82		161.03	111.86	69%
H_2O_2 (300)	Moisture	59	69		64.00	7.07	11%
	pH	5	4.9		4.95	0.07	1%
	Total Sulfide	221	91		156.00	91.92	59%
	Reactive Sulfide	<50	<50		NA	NA	NA
H_2O_2 (300) + lime	Moisture	64	63		63.50	0.71	1%
	pH	12.4	12.5		12.45	0.07	1%
	Total Sulfide	24	16		20.31	5.75	28%
	Reactive Sulfide	<50	<50		NA	NA	NA

[a] *Mean and standard error calculated using 1/2 the detection limit, when at least one, but not all values were non-detect.*
[b] *S.E., Standard error*
[c] *NA, Not applicable, all values are non-detect.*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

May 20, 1996

Ms. Jacqueline McKendry Travers
Parsons Engineering Science Inc.
9906 Gulf Freeway, Suite 100
Houston, Texas 77034

Re: Bailey Waste Disposal Superfund Site
Technical Memorandum Pit B Pre-Design Study

Dear Ms. Travers:

The Environmental Protection Agency (EPA) has reviewed and herein approves the Technical Memorandum Pit B Pre-Design Study (GeoSyntec Consultants, May 1996). If you have any questions or need additional information, please contact me at (214) 665-6758.

Sincerely,

Chris G. Villarreal

Chris G. Villarreal
Remedial Project Manager
Superfund, Texas Section

cc: Ernest Schroeder
Parsons Engineering Science

Trey Collins
Texas Natural Resource Conservation Commission

R. Neil Davies (via facsimile)
GeoSyntec Consultants

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