Occidental Chemical Corporation

PHASE I REPORT

Love Canal Bagged Wastes
Occidental Chemical Corporation

597639

FEBRUARY 1998

REF. NO. 7438-RPT-1A

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1.0 EXECUTIVE SUMMARY

This report has been prepared by Occidental Chemical Corporation (OxyChem) to describe the Phase I activities performed in support of the characterization of the Love Canal Bagged Wastes currently stored at OxyChem's Niagara Plant in Niagara Falls, New York. The Phase I sampling and analysis program was originally described in the United States Environmental Protection Agency (USEPA)/New York State Department of Environmental Conservation (NYSDEC) approved "Sampling and Analysis Plan (SAP), Love Canal Wastes," dated June 3, 1996.

OxyChem has completed Phase I of the SAP. In accordance with the SAP, the data have been used to eliminate analytical categories which do not exceed the F039 land disposal restriction (LDR) limits for the materials. The Phase I program has identified the analytical parameters and number of samples for Phase II sampling.

A review of the analytical results from Phase I demonstrates that no samples exceeded the LDR limits for volatile organic compounds (VOCs), herbicides, cyanide, or methanol. These parameters will be deleted from any Phase II analyses.

Two samples marginally exceeded the LDR limit for leachable lead. All remaining LDR exceedances were either semi-volatile organic compounds (SVOCs), pesticides/PCBs, or dioxins/furans. The majority of exceedances for SVOCs and pesticides/PCBs were in the creek debris category.

The Phase I results showed that most of the bagged material either met or marginally exceeded the F039 LDR limits. The Phase I results showed that several groups of bags within the categories are candidates for direct landfill disposal, pending acceptable Phase II results. The data showed that the samples from the creek debris category were consistently above the LDR levels, and this group will be incinerated and will not be included in the Phase II sampling. A third category of bag groups were consistently marginally above the 1 ppb level for total dioxins/furans. OxyChem believes that the presence of

low levels of dioxins/furans in these groups does not justify incineration, and requests a variance from the LDRs.

The Phase I results were used to provide the basic characterization data needed to apply the statistical equation in SW-846, Third Edition, Chapter Nine. These equations were established by the EPA to provide a statistical sampling basis for determining how many samples are needed to provide data for compliance with disposal regulations. The method is based on using available characteristic data for a waste (Phase I), and then calculating the number of samples needed to verify compliance with LDRs. The number of samples to be analyzed in Phase II has been determined using these equations with the following exceptions:

- The number of samples required for the haul roads category has been adjusted to eliminate the impact of one outlying data point.
- No Phase II sampling will be conducted for the creek debris category.
- Non-detect data greater than the associated LDRs were not used in the statistical evaluation.

The Phase II sampling program will provide the data which will be used by OxyChem and the receiving disposal facilities to determine which groups of bags can be directly landfilled, which groups of bags require incineration, and which groups may be subject to a variance request to allow direct landfill. Presently, 3,811 of the 14,612 bags will be designated for incineration. Sampling in Phase II should determine whether 4,884 bags meet present LDR criteria to be landfilled under the LDRs and whether another 5,117 bags can be landfilled under a variance to the LDRs.

The proposed regulatory variances are outlined in Section 7.0.

2.0 INTRODUCTION

This report has been prepared by OxyChem to describe the Phase I activities performed in support of the characterization of the Love Canal Bagged Wastes currently stored at OxyChem's Niagara Plant in Niagara Falls, New York. The Phase I sampling and analysis program was originally described in the United States Environmental Protection Agency (USEPA)/New York State Department of Environmental Conservation (NYSDEC) approved "Sampling and Analysis Plan (SAP), Love Canal Wastes," dated June 3, 1996.

The original Love Canal Partial Consent Decree, signed by Judge Curtin in 1989, provided that OxyChem would dispose of the Love Canal remediation wastes by incineration at a thermal destruction unit to be constructed at the Niagara Plant or at alternative thermal destruction facilities approved in advance by the USEPA and NYSDEC. The decree was subsequently modified in 1997 to allow landfilling of certain remediation wastes where chemical levels in the wastes were shown to be less than the LDRs for F039 waste materials using the SW-846 statistical test.

Phase I of the SAP consisted of an initial comprehensive characterization of approximately one percent of the bagged materials. The bags were separated into five categories (creek sediment 1, creek sediment 2, haul roads, creek debris, facility cleanup). Each bag chosen for sampling was analyzed for complete F039 LDR list testing. A summary of the bagged waste identification and Phase I sampling requirements specified in the SAP is presented in Table 2.0.

The Phase I characterization was designed to provide the data needed to determine whether additional statistically based sampling and analysis (Phase II) was needed to determine treatment and disposal in accordance with the LDRs. If all of the samples from a category of waste were below the LDR limits, then the waste could be directly landfilled and no additional sampling and analyses would be needed. If only a metal constituent was above the LDR, then the waste could be stabilized and landfilled. If the mean value of any constituent was above the LDR or if the mean value plus two standard deviations for a constituent was above the LDR, then additional

sampling and analyses (Phase II) would be needed to determine which waste material required incineration or a variance from the F039 LDR regulations, and which waste material could be landfilled. Pages five (5) and six (6) of the SAP present the criteria for the determination of Phase II sampling and analyses requirements.

2.1 PHASE I OBJECTIVES

The Phase I data have been used to define the following:

i) the preliminary characterization of bags within each category for treatment and/or disposal;

ii) the number of samples to be collected in Phase II; and

iii) the parameters to be analyzed for Phase II sampling and analysis.

3.0 SAMPLING PROGRAM

One hundred fifty-four samples (including six field duplicates) were collected and submitted for analysis for the Phase I program. All sampling was performed in accordance with the June 1996 SAP. Sample collection began on September 10, 1996, and concluded on November 15, 1996.

3.1 SAMPLE COLLECTION

A sample collection and analysis summary is provided in Appendix A. A sample from one representative bag was collected in each 100 bag series except for the 11601 to 11700 and 13901 to 14000 bag series in the creek debris category. These bag series could not be located during sample collection and are believed to be buried within the piles. As will be discussed below, the entire creek debris category has been scheduled to be incinerated.

In addition, subsequent investigations indicate that there are approximately 400 more facility cleanup bags than the 607 bags thought present at the time of Phase I sampling. These additional bags will be included in the Phase II sampling.

3.2 SAMPLING PROCEDURE

Pursuant to the approved SAP, the bags were divided into sample groups of 100 bags per waste category according to the bag numbers. One bag within each group of 100 was located for sampling.

Approximately 25 percent of the Love Canal bags were exposed on the surface of the two storage piles in Buildings T-28 and T-29. This 25 percent represents a random selection of the groups and categories which were sampled. Due to accessibility, sample collection started on the lowest tier of bags and proceeded around the outer circumference of the piles. Sampling proceeded to the second tier of bags and continued until enough bags from each group within each category of material were located and sampled.

Grab samples were collected from the bags by opening the bag, inserting a clean polystyrene scoop at least six inches below the surface of the material, and collecting a grab sample. The samples were placed directly into clean sample jars and sealed with teflon-lined caps, and the bags were resealed.

A sample log was used to record pertinent information as samples were collected. The log included the following information: sample date, bag number, sample location in the bag houses, and photoionization detector (PID) reading.

3.3 CHAIN OF CUSTODY FORMS

Chain of custody forms were used to track all samples from the time of sampling to the arrival of samples at the laboratory.

Each shipping container sent to the laboratory contained a chain of custody form. The chain of custody form consisted of four copies which were distributed to the sampler, to the shipper, to the contract laboratory and to the office file. The sampler and shipper maintained their copies while the other two copies were enclosed in a waterproof enclosure within the sample container. The laboratory, upon receiving the samples, completed the remaining copies. The laboratory maintained one copy for their records. The executed original was returned with the data deliverables packages.

Copies of the executed chain of custody forms are located in the quality assurance/quality control (QA/QC) review of the data (see Appendix C).

3.4 SAMPLE CONTAINERS AND HANDLING

All samples were placed in appropriate sample containers, labeled, and properly sealed. The sample labels included bag sample number, place of collection, date and time of collection, and analyses to be performed.

Samples were cushioned within the shipping coolers by the use of bubble pack. Samples were kept cool by the use of plastic bags of ice or cooler packs, as required. Samples were shipped priority overnight by commercial courier on a daily basis to the project laboratory.

Two seals comprised of chain of custody tape were placed over the lid on the front and back of each shipping cooler prior to shipment to secure the lid and provide evidence that the samples had not been tampered with during transportation to the laboratory. Clear tape was placed over the seals to ensure that they were not accidentally broken during shipment.

Upon receipt of the coolers at the laboratory, the coolers were inspected. The condition of the coolers and seals were noted on the chain of custody forms. The laboratory documented the date and time of receipt of the coolers and signed the chain of custody forms.

The laboratory checked the contents of the cooler with those samples listed on the chain of custody forms. If damage or discrepancies were noticed, they were recorded in the remarks column of the chain of custody form, dated and signed. The laboratory project manager then reported the information in the report narrative

4.0 ANALYTICAL PROGRAM

All samples submitted were analyzed for the complete F039 LDR list of parameters. Site specific matrix spike/matrix spike duplicate (MS/MSD) analyses were performed at a minimum frequency of one in twenty samples. All analyses were performed in accordance with the June 1996 SAP.

4.1 LABORATORY ANALYSES

An analytical results summary is provided in Appendix B. All laboratory results were validated and any required sample qualifications have been included in the table. A full discussion of the QA/QC Review can be found in the validation report, located in Appendix C of this report.

Most data were judged to be usable. All non-detect results for tris-(2,3-dibromopropyl)phosphate, 1,4-dioxane, famphur, and isobutyl alcohol were rejected. The compounds are known to perform poorly using the LDR testing methods, and did not meet USEPA Region II Contract Laboratory Protocol (CLP) calibration criteria. Some sample kepone results for the pesticides/PCBs analyses and three sample phenolic compounds results for the SVOCs analyses were also rejected. These results were rejected (denoted by "R" in the results table) due to poor laboratory MS/MSD and/or surrogate spike recoveries.

No samples collected in Phase I exceeded the LDR limits for any of these parameters, so the impact of the rejected data on the program is considered negligible.

4.2 SAMPLE RE-ANALYSIS

Upon a review of the data, two samples were identified as possible outliers based on the results of other samples within the category. The dioxins/furans results for haul roads sample HR-10241 were a magnitude greater the any other haul roads sample, and the sample was collected again on

January 30, 1997, and submitted for dioxins/furans analysis. The dioxins/furans results for creek sediment 1 sample CS-07226 were also significantly greater than any other creek sediment 1 sample within similar bag ranges, and this sample was collected again on February 3, 1997, and submitted for dioxins/furans analysis.

The laboratory results for these samples confirmed the data originally reported, and no further evaluation of the laboratory report was performed.

5.0 DISCUSSION OF RESULTS

A review of the analytical results demonstrates that no samples exceeded the LDR limits for VOCs, herbicides, cyanide, or methanol. These parameters have been deleted from any Phase II analyses. All samples met the LDR limits for toxicity characteristic leaching procedure (TCLP) metals except for two creek sediment 1 samples, which had TCLP lead results marginally above the LDR limit of 0.37 milligrams per liter.

All remaining LDR exceedances were either SVOCs, pesticides/PCBs, or dioxins/furans. A discussion of each individual category follows. Field duplicate results are not included in this discussion. None of the five categories of material met the standard of having a mean value plus two standard deviations below the LDR treatment standards, and, therefore, all categories require further testing in Phase II, must be scheduled for incineration, or must receive a variance from the LDRs, as outlined in Page 6 of the SAP.

5.1 CREEK SEDIMENT 1 (7,232 BAGS)

A summary of the LDR exceedances is presented in Table 5.1. Samples CS-06145 and CS-06471 also exceeded the LDR limit for TCLP lead.

Twenty-eight of the 74 samples collected did not exceed the LDR limits. The majority of the remaining samples exceeded the dioxins/furans LDR limits. All exceedances were minor except for samples CS-00897 and CS-00996, which had elevated total dioxins/furans levels. The category mean value for total tetra-chlorinated dibenzo-p-dioxins (TCDDs) marginally exceeded the LDR limit.

The bag series 1 to 600, 4301 to 5300, and 6401 to 7200 have either no or only one marginal sample LDR exceedance (see Table 5.1). These bag series represent the creek sediment 1 candidates for direct landfill without further treatment, pending acceptable Phase II results. The remaining bag series

are candidates for landfill with a regulatory variance or require treatment prior to disposal.

5.2 CREEK SEDIMENT 2 (1,512 BAGS)

A summary of the LDR exceedances is presented in Table 5.2

Twelve of the 16 samples collected did not exceed the LDR limits. All exceedances for the remaining samples were minor. No category mean value exceeded an LDR limit.

The bag series 8401 to 9495 has no sample LDR exceedances (see Table 5.2). This bag series represents the creek sediment 2 candidates for direct landfill without further treatment, pending acceptable Phase II results. The remaining bag series are candidates for landfill with a regulatory variance or require treatment prior to disposal.

5.3 HAUL ROADS (1,450 BAGS)

A summary of the LDR exceedances is presented in Table 5.3

Eight of the 14 samples collected did not exceed the LDR limits. All exceedances for the remaining samples were minor except for sample HR-10241, which had elevated aldrin and total dioxins/furans levels. No category mean value exceeded an LDR limit.

The bag series 9496 to 10200 had only two minor sample LDR exceedances (see Table 5.3), and represents the haul roads candidates for direct landfill without further treatment, pending acceptable Phase II results. The remaining bag series are candidates for landfill with a regulatory variance or require treatment prior to disposal.

5.4 FACILITY CLEANUP (607 BAGS)

A summary of the LDR exceedances is presented in Table 5.4.

Two of the seven samples did not exceed the LDR limits. All exceedances for the remaining samples were minor. The category mean value for total TCDDs marginally exceeded the LDR limit.

The bag series 14817 to 15000 has no LDR exceedances (see Table 5.4), and represents the facility cleanup candidates with a high probability for direct landfill without further treatment, pending acceptable Phase II results.

The remaining bag series are candidates for landfill with a regulatory variance or require treatment prior to disposal. It is believed that approximately 1000 total bags are present in this category.

5.5 CREEK DEBRIS (3,811 BAGS)

A summary of the LDR exceedances is presented in Table 5.5.

The mean value of this category exceeded the LDR limits for all three regulated total dioxins. The creek debris category exceeded the LDR limits for these dioxin congeners plus various chlorinated benzenes. This waste category was substantially different in that the chemicals present were more diverse and generally higher in concentration than in the other four categories. Based on the differences in analyte LDR exceedances and concentration levels, the creek debris category has been excluded from any proposed regulatory variances and will be incinerated prior to landfill disposal.

6.0 PHASE II SAMPLING

6.1 INTRODUCTION

It is the generator's responsibility under the LDRs to properly classify waste materials and to issue a Land Disposal Certification with waste shipments, showing that the waste meets the LDRs if destined for landfill. The EPA has established a statistical sampling basis for determining how many samples are needed to provide data for compliance with the LDRs. This method is detailed in SW-846, Third Edition, Chapter Nine. The method uses available characteristic data for a waste, and then calculates the number of samples needed to verify compliance with LDRs. The Phase I SAP was designed to provide the basic characterization data needed to apply the equations in SW-846, Third Edition, Chapter Nine, and to determine the sampling frequency needed to verify shipments. The number of samples to be analyzed in Phase II (described below) has been determined using these equations, and the results of the Phase II data will be used to determine which waste material meets the LDRs and can be landfilled. This data will also be used to determine which wastes may be above the LDRs but can be landfilled if a variance from the LDRs is obtained, and which wastes have constituent levels above the LDR or the variance level and therefore require incineration.

In addition to the responsibility of the generator to properly classify the waste for LDR purposes, the receiving landfill also has a responsibility to verify that the material being received meets the LDRs prior to landfilling. The established Waste Analysis Plan (WAP) for the landfill determines the frequency of sampling and analysis required. This frequency will vary by facility and state. The frequency of sampling required can vary from a minimum of once per year per waste stream up to a maximum of one sample for every twenty loads received. In all these cases, the WAPs are based on the assumption that the waste is an on-going process waste stream that may change or vary with time. In the case of this project, however, all of the waste has been bagged and readied for shipment. Further, the initial data shows that the waste does not vary greatly from bag to bag. There is precedent in most states to allow for a special sampling requirement for projects of this type. In most cases the special plans call for following a statistical sampling, similar to the Phase II

program described here. Therefore, it is expected that the data from the Phase II sampling and analysis will be used by both the generator and the receiving landfill to verify LDR compliance, since all of the sampling and analysis will be in accordance with approved SW-846 methods. This combined program approach will expedite the project and eliminate redundant sampling requirements on both ends of the shipments.

6.2 SAMPLING METHOD

All of the Phase II sampling will consist of laboratory composites. The initial sampling was based on the standard LDR grab samples in order to provide basic characterization data. LDR verification data (as generally written into landfill and incineration WAPs) are based on a composite sample taken from several locations in a bulk bin, so that a representative value for the bulk shipment can be obtained. Each sample will consist of grab samples from four individual bags chosen at random from groups within the category. A group will represent a proportion of bags within the category based on the number of Phase II samples required in each category. The individual samples will be laboratory composited into one sample, and the sample will be submitted for analysis. Laboratory compositing can be used in the Phase II sampling because VOCs are no longer part of the analytical program (none were found above the LDRs in any waste samples).

Phase II bag selection will be consistent with the procedures detailed in the SAP (see Section 3.2) and used in the Phase I sampling program. The waste will be divided into the four categories, two from the creek remediation, one from the haul roads, and one from the facility cleanup waste. The Phase I data showed that these categories worked quite well, and segmented the waste as expected in accordance with the way the waste was excavated and bagged. The bags (all have unique numbers) will be divided into Phase II sampling groups by taking the total number of bags and dividing by the number of samples needed for each category of waste. Each of the bags will then be assigned to a Phase II sampling group. No bags sampled in Phase I will be used in Phase II. Four bags will be selected from each Phase II sampling group. The selected bags will be on the edge or surface of the pile. The selected bags will be

opened and a sample obtained. The bags will then be resealed. Samples will be collected using the procedures outlined in the SAP, including the use of appropriate sampling equipment and chain of custody forms. The samples will be submitted to the laboratory for the required analysis.

Each of the four individual grab samples collected within a given number series will be homogenized and composited at the laboratory. Compositing will be accomplished by mixing equal volumes of each of the four bags.

The composite sample will be homogenized by removing any large rocks present in the sample. The sample will be thoroughly mixed in the stainless steel pan using a stainless steel spoon. The sample will be scraped from the sides, corners, and bottom of the pan, rolled to the middle of the pan, and initially mixed. The sample will be quartered and moved to the four corners of the pan. Each quarter of the sample will be mixed individually, and then rolled to the center of the pan and the entire sample mixed again. The mixed sample will be placed directly into a clean sample jar and sealed with a teflon-lined cap. Any remaining sample will be archived for possible future use.

The SAP discusses that Phase II sampling will be accomplished after the bags are staged into shipping groups. OxyChem proposes that Phase II sampling be performed in the same fashion as the Phase I sampling for four reasons. First, the incineration of Durez bagged waste has proceeded more slowly than expected. There is no space reasonably available to accomplish the staging originally contemplated by the SAP and this lack of space will unnecessarily delay Phase II sampling. Second, the Phase I sampling program was very successful in providing data and information regarding the characteristics of the materials in the bags. Third, Phase II sampling now will facilitate review of the LDR variance petition which OxyChem intends to file. Fourth, the movement of the 2½ ton bags contemplated by the SAP is a major engineering project that, by its very nature and under the best safety plans and practices, places workers at risk of injury and could lead to spills or breaks in the bags. OxyChem has also considered whether removing Durez bagged waste and creek debris bags for incineration would open up more bags in the four

categories for sampling. It appears only 25 bags would become available, so this option does not seem to be feasible.

An inspection of the bag houses shows that the most of the Phase II samples required for each category can be obtained without moving many bags from the piles. In some cases, the number of bags exposed on the edge of the piles is large compared to the number of Phase II samples required.

6.3 CALCULATIONS

The statistical calculation used to determine Phase II sampling frequency was equation (8) of Table 9-1 of SW-846 Third Edition, Volume II, November 1986. The mean, variance, and standard deviation were calculated as specified in equations (2a), (3a), and (4) of Table 9-1. A summary of the statistical sampling data from the Phase I analytical results is presented in Table 6.3. Field duplicates were not included in the calculations

6.4 DISCUSSION

A summary of the proposed Phase II sampling program is presented in Table 6.4. The program uses the Phase I statistical data from Table 6.3 with the following exceptions:

- Using Phase I data, the number of samples for the haul roads category showed a requirement of 314 samples, which would mean sampling 1,256 individual bags out of a total of 1,450 bags. This very high sample number, as shown in Table 5.1, is due to one sample (HR-10241), which had a high level of one isomer of dioxin. This high value, compared to all the other data, resulted in an elevated mean and variance for the category. Upon further inspection of the data, it was apparent that this one bag and its sample were not similar to any of the other 13 samples collected and it is considered to be a statistical outlier. If this data point is eliminated from the calculation, the revised statistics showed that 5 samples are required as compared to 314. Overall review of the data with respect to the

consistency of the results and applying reasonable scientific judgment would show that the use of 14 samples (from 56 individual bags) is an appropriate number of samples to characterize this category for disposal.

- Non-detect dioxins/furans results with detection limits greater than the LDR limit were removed from the calculations for Phase II sampling categories.

- Analyses for phenanthrene and fluoranthene were included in the Phase II sampling for the creek sediment 1 category.

- The creek debris category had a high number of samples over the LDR limits and a high variability. This showed a large number of samples would be needed to segment the category and most of the waste would require incineration. Therefore, as stated previously in this report and as outlined in the SAP, no Phase II sampling will be conducted for the creek debris category. Based on the Phase I results, the 3,811 bags in this category are not candidates for landfill disposal without further treatment, and therefore all of the waste in this category will be incinerated prior to landfill disposal.

6.5 ANALYTICAL PROGRAM

Table 6.4 shows the analytical testing which will be performed for each of the waste categories. As outlined in the SAP, constituents for the Phase II analytical program are to be based on those constituents found during the Phase I testing. The analyses shown in Table 6.4 reflect the constituents or groups of constituents that had a mean value or a mean value plus two standard deviations above the LDR limit for that constituent. The semi-volatile compounds phenanthrene and fluoranthene were added to the creek sediment 1 category because they were detected above the LDRs in one analysis. The main constituents requiring analyses are the polychlorinated dibenzo-p-dioxins and the polychlorinated dibenzo-furans. In the case of the creek sediment 1 category, lead was found in two samples which caused the mean value plus two standard deviations to be just above the LDR limit.

Therefore lead will be tested for the creek sediment 1 category. The haul roads and the facility cleanup categories both showed some positive results for certain pesticide compounds. Based on the Phase I data, aldrin will be tested for the haul road category, and BHCs will be analyzed for samples from the facility cleanup category.

All analyses for Phase II testing will be performed using RCRA SW-846 analytical methods with specified QA/QC as stated in the SAP. The RCRA methods are the methods specified in the regulations for determining compliance with the LDRs. Dioxin/furan analysis will be performed using Method 8290 (HRMS). The lead analysis will be performed on a TCLP extract (Method 1311) using Method 6010. The pesticides analysis for aldrin and BHCs will be performed using Method 8081. The semi-volatile analysis for fluoranthene and phenanthrene will be performed using Method 8270. The laboratories performing the analytical work will be Alta Analytical Laboratory, Inc. of El Dorado Hills, California (PCDD/PCDF) and Encotec Laboratory in Ann Arbor, Michigan (all remaining analyses). The laboratories are certified in several states, including Utah.

6.6 STATUS OF PHASE I BAGS SAMPLED

Based on the Phase I results, 50 of the bags sampled from the creek sediment 1, creek sediment 2, haul roads, and facility cleanup categories did not exceed the LDR limits and can be directly landfilled. Of the remaining bags sampled in these categories, 58 samples have marginal LDR exceedances. These bags will be candidates for landfilling if the LDR variance discussed in Section 7.0 is granted. All 3,811 creek debris bags will be incinerated, as will two bags from the creek sediment category and one bag from the haul roads category.

7.0 REGULATORY VARIANCE

7.1 PROPOSED VARIANCE

OxyChem intends to apply for an LDR treatability variance, pursuant to 40 CFR 268.44, for the creek sediment 1, creek sediment 2, haul roads, and facility cleanup categories. The proposed variance would establish alternative treatment standards for dioxins/furans of 10 ppb (see Table 7.1). Materials meeting the alternative standard would be disposed of in a RCRA Subtitle C permitted landfill.

7.2 BASIS AND REASON FOR VARIANCE

The LDR regulations provide that a treatability variance is appropriate when either (1) the waste cannot be treated to the specified level or (2) the treatment technology is not appropriate to the waste (40 C.F.R. § 268.44). The Love Canal bagged waste materials qualify under either criteria. First, the bagged material consists of soil and environmental media, wastes which the Agency has previously stated qualify for a treatability variance. Second, the use of incineration is not appropriate for large volumes of soil and sediment that contain concentrations of organic constituents only marginally above the treatment standard.

A. The EPA Has Created A Presumption That The LDR Treatment Standards Are Not Achievable For These Waste Types.

The EPA's numerical treatment standards are based on the application of Best Demonstrated Available Technology (BDAT) to process wastes. For organic constituents, BDAT is generally incineration. However, the EPA has never determined the numerical treatment standards that would be obtained by applying BDAT to environmental media. Rather, the Agency has determined that:

> until specific standards for soils and debris are developed, current BDAT standards are generally inappropriate or unachievable for soil and debris

> from CERCLA response actions and RCRA corrective actions and closures. Rather, the EPA presumes that, *because contaminated soil and debris is significantly different from the wastes evaluated in establishing the BDAT standards, it cannot be treated in accordance with those standards, and thus qualifies for a treatability variance from those standards under 40 CFR 268.44. Accordingly, persons seeking a treatability variance from LDR treatment standards for contaminated soil and debris do not need to demonstrate on a case-by-case basis that BDAT standards for prohibited hazardous wastes are inappropriate or not achievable.*

55 Fed. Reg. 8760, 8761 (March 8, 1990) (emphasis added).

The EPA has elaborated on this principle in guidance. "Obtaining a Soil and Debris Treatability Variance for Remedial Actions," OSWER Doc. 9347.3-06FS (Sept. 1990). That guidance provides that for soils containing initial dioxin concentrations less than 500 ppb, alternative treatment standards should be established in the range of .01 to 50 ppb. (Since publication of that guidance, the universal treatment standard for dioxin has been established at 1 ppb.) The Agency has granted a treatability variance for dioxin-containing wastes of 5 ppb at the Vertac Superfund site and has proposed a variance of 50 ppb at Dow Chemical's Midland, Michigan site. (At the Vertac site, the variance was granted in part because of the EPA's finding that the 1 ppb standard could <u>not</u> be met with incineration.) The standard of 10 ppb proposed by OxyChem is well within the range the EPA has indicated is appropriate.

The proposed variance would apply to four waste categories - creek sediment 1, creek sediment 2, haul roads, and facility cleanup. These wastes are similar in both the identity and concentrations of constituents found in the wastes. These wastes are also similar in physical characteristics, being either creek sediment and soil-like material, or soil and debris from the construction activity.

Analyses of samples from these four waste categories showed that much of the waste already meets the LDR treatment standard, while the rest of the waste is only marginally above the limit, specifically, in the range of 1 to 5 ppb. Consistent with the EPA's presumption that contaminated

environmental media should qualify for a treatability variance, these waste categories should be granted a variance.

B. Incineration Is Not Appropriate For These Wastes.

The EPA also has determined that a treatability variance should be granted when use of the treatment technology needed to achieve numerical treatment standards is not appropriate for the waste, even if the numerical standards are technically achievable. 62 Fed. Reg. 26041, 26058-26060 (May 12, 1997). One specific example of a situation where a treatability variance should be granted under this rationale is where "the treatment standard would result in combustion of large amounts of soil or wastewater." Id. at 26059. More generally, a treatability variance should be granted where "imposition of BDAT treatment would lead to environmentally counterproductive results." Id.

Both of these rationales apply in this case. Holding the Love Canal bagged wastes to the 1 ppb treatment standard for dioxin would require the combustion of massive amounts of soil for the destruction of minuscule amounts of dioxin. Moreover, given the pollutants generated in the incineration process itself, and the minimal (if any) reduction in the risk posed by the wastes, incineration of this material is clearly not appropriate.

The placement of soil materials containing up to 10 ppb of dioxins/furans in a carefully monitored Subtitle C landfill clearly minimizes or eliminates any risk that this small amount of material may have to the environment. In addition, the material has been stabilized, which will tend to render the remaining low level constituents immobile. The EPA itself has recognized that dioxins bind tightly to soils and that soils contaminated with low levels of dioxin pose little risk when properly managed. In the preamble to its proposed rule imposing the LDRs on dioxin wastes, the Agency stated that "Investigations have documented the extreme immobility of TCDD in most soils and its low solubility in water. . . . the other CDDs and CDFs are expected to be immobile in soils and water insoluble." 51 Fed. Reg. 1602, 1731 (Jan. 14, 1986). The Agency stated further that "CDDs and CDFs are not expected to leach into groundwater and percolate through soils if proper precautions are taken to prevent co-disposal with solubilizing agents." Id. The Agency has thus

recognized that low concentrations of soil-bound dioxins can be safely managed in an appropriate landfill.

The landfill currently proposed to receive this waste is Laidlaw's Grassy Mountain Landfill in Utah. This landfill is a new facility and is designed to meet or exceed all Subtitle C requirements. The landfill is located in an area with little or no groundwater (semi-arid region) and is isolated from contact with the general population. This facility provides an extremely secure and protective location for the disposal of these waste materials. There is virtually no possibility that the materials in this waste will leach in any significant quantity and even less chance that any leached material would reach the environment. Therefore, given the nature of the waste and the very low levels of constituents, the stabilization treatment achieved, and the design of the landfill cells, land disposal of material with up to 10 ppb dioxins/furans is the appropriate treatment and disposal technology for this waste.

The proposed variance would eliminate the need to incinerate large quantities of materials to destroy minute quantities of dioxins/furans. The incineration of material with virtually no significant organic content will consume a large amount of fuel. The burning of this fuel will generate greenhouse gases such as carbon dioxide, and also increased levels of NOx. Evaluation of multi-media impacts would show that granting this variance would result in a net reduction in total pollutants entering the environment. Because dioxins/furans are relatively immobile in soils, incineration has no net environmental benefit compared to placement of these wastes in a RCRA permitted landfill, and therefore these wastes should be granted a treatability variance.

Moreover, incineration of this material will not significantly reduce the volume of material ultimately landfilled. This is due to the composition of the soils, which generally consist of less than 10 percent organic matter. In fact, when the material is burned with other waste materials in the incinerator, the resulting volume can actually increase if the "mixed residue" (soil and other wastes burned together) requires stabilization prior to being placed in the landfill. In addition, the particulate matter removed in the incinerator gas cleaning train generally is light and fluffy, resulting in a larger

volume than the original soil and debris. Thus, the granting of this variance will result in no significant decrease in the volume of material landfilled and may actually slightly increase the overall volume of waste requiring land disposal.

The proposed variance will have a significant impact on the schedule for completion of this project. Currently, the capacity at the receiving incinerators is the rate limiting step for completion of this project. At the current rate of disposal by incineration, the project will take approximately 4 years to complete. The variance would reduce the amount of material requiring incineration, therefore reducing the total time for project completion by approximately one year. This shorter project schedule would result in material being stored for a shorter period of time at the Niagara Falls location and more timely completion of the total project.

8.0 CONCLUSION

OxyChem has completed Phase I sampling as required by the SAP for the Love Canal Bagged Wastes. In accordance with the SAP, the Phase I data have been used to develop the sampling frequency and analyte list for Phase II of the program.

It is anticipated that the analytical results from the Phase II sampling will provide OxyChem with disposal options similar to the Phase I data for each waste category. A summary of the projected disposal quantities is presented in Table 8.0. Projections for each waste category are in the following sections. In accordance with the Phase I program, each Phase I bag sampled has been used to represent approximately 100 bags. All projections are estimated based on the Phase I data. Actual disposal quantities will be based on the Phase II sample data.

8.1 CREEK SEDIMENT 1 (7,232 BAGS)

Based on the Phase I data and using F039 LDR limits, 2,700 bags are candidates that presently may qualify for direct landfill disposal. If a variance is granted and stabilizing for metals is performed, 7,032 bags are candidates for landfill disposal.

8.2 CREEK SEDIMENT 2 (1,512 BAGS)

Based on the Phase I data and using the F039 LDR limits, 1,195 bags are candidates that presently may qualify for direct landfill disposal. If the variance is granted, 1,412 bags would be candidates to qualify for direct landfill disposal.

8.3 HAUL ROADS (1,450 BAGS)

Based on the Phase I data and using the F039 LDR limits, 805 bags are candidates that presently may qualify for direct landfill disposal. If the variance is granted, 1,050 bags are candidates to qualify for direct landfill disposal.

8.4 FACILITY CLEANUP (607 BAGS)

Based on the Phase I data and using the F039 LDR limits, 184 bags are candidates that presently may qualify for direct landfill disposal. If the variance is granted, 507 bags would be candidates to qualify for direct landfill disposal.

Based on subsequent investigations, there are approximately 1,000 bags in this category.

8.5 CREEK DEBRIS (3,811 BAGS)

Based on the Phase I data, this category does not qualify for direct landfill disposal. This category is clearly different from all other categories in regard to the level and type of chemical presence, and will be incinerated to meet the F039 LDR limits.

TABLES

TABLE 2.0

BAGGED WASTE IDENTIFICATION AND PHASE I SAMPLING REQUIREMENTS
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Waste	*Date Bagged*	*Category*	*Number of Bags*	*From Bag Number*	*Total Bag Numbers*
Creek Sediment	8/1 - 9/11	B-1	7,232	0	7,232
Sewer Sediment	9/12 - 9/14	S	751	7,233	7,983
Creek Sediment	9/15 - 9/25	B-2	1,512	7,984	9,495
Haul Road	9/25 - 10/3	HR	1,450	9,496	10,945
Small Debris	10/5 - 10/31	B-3	1,593	10,946	12,538
Carbon	11/8 - 11/9	C	60	12,539	12,598
Small Debris	11/9 - 11/30	B-3	1,284	12,599	13,882
Debris	12/1 - 12/13	B-3	934	13,883	14,816
Facility Cleanup	6/90 - 7/90	F	607	14,817	15,423

Summary of Waste to be Sampled

Waste	*Code*	*Number of Bags*	*Color Code*	*Samples*
Creek (1)	B-1	7,232	None	72
Creek (2)	B-2	1,512	None	15
Creek Debris	B-3	3,811	Yellow or Blue Sides	38
Haul Roads	HR	1,450	Orange Top, Yellow or Orange Side	15
Facility Closure	F	607 (3)	None Listed	6
Total		**14,612**		**146**

Notes:
(1) Creek sediment 1.
(2) Creek sediment 2.
(3) Based on subsequent inspections, the number of facility closure bags is approximately 1,000.

TABLE 5.1

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - CREEK SEDIMENT 1 (1)
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (µg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
0-100	CS-00061	-	-	-
101-200	CS-00116	-	-	-
201-300	CS-00273	-	-	-
301-400	CS-00336	-	-	-
401-500	CS-00478	-	-	-
501-600	CS-00501	-	-	-
601-700	CS-00631	2.7	-	-
701-800	CS-00774	3.1	-	-
801-900	CS-00897	25	-	-
901-1000	CS-00996	22	-	0.12
1001-1100	CS-01089	1.8	-	-
1101-1200	CS-01144	7.1	-	-
1201-1300	CS-01250	9.6	-	-
1301-1400	CS-01397	8.0	-	-
1401-1500	CS-01428	7.3	-	-
1501-1600	CS-01506	5.4	-	-
1601-1700	CS-01692	7.3	-	-
1701-1800	CS-01768	4.8	-	-
1801-1900	CS-01859	7.6	-	-
1901-2000	CS-01935	1.5	-	-
2001-2100	CS-02070	3.8	-	-
2101-2200	CS-02192	3.1	-	-
2201-2300	CS-02222	1.3	-	-
2301-2400	CS-02383	1.4	-	-
2401-2500	CS-02425	2.0	-	-
2501-2600	CS-02568	1.9	-	-
2601-2700	CS-02622	4.1	-	-
2701-2800	CS-02785	-	-	-
2801-2900	CS-02868	-	-	-
2901-3000	CS-02936	1.7	-	-
3001-3100	CS-03069	4.1	-	-
3101-3200	CS-03180	4.7	-	-
3201-3300	CS-03254	3.3	14	-
3301-3400	CS-03365	2.3	-	-
3401-3500	CS-03478	1.7	-	-
3501-3600	CS-03526	-	-	-
3601-3700	CS-03693	1.3	-	-
3701-3800	CS-03737	1.1	-	-
3801-3900	CS-03814	-	-	-
3901-4000	CS-03907	-	-	-
4001-4100	CS-04072	1.1	-	-
4101-4200	CS-04169	1.2	-	-

TABLE 5.1

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - CREEK SEDIMENT 1 (1)
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (µg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
4201-4300	CS-04222	1.2	-	-
4301-4400	CS-04305	-	-	-
4401-4500	CS-04460	-	-	-
4501-4600	CS-04585	-	-	-
4601-4700	CS-04612	-	-	-
4701-4800	CS-04759	-	-	-
4801-4900	CS-04836	1.1	-	-
4901-5000	CS-04902	-	-	-
5001-5100	CS-05085	-	-	-
5001-5100	CS-05087	-	-	-
5101-5200	CS-05183	-	-	-
5201-5300	CS-05261	-	-	-
5301-5400	CS-05381	3.1	-	-
5401-5500	CS-05460	5.7	-	-
5501-5600	CS-05576	1.8	-	-
5601-5700	CS-05673	1.5	-	-
5701-5800	CS-05780	3.8	-	-
5801-5900	CS-05863	1.4	-	-
5901-6000	CS-05935	2.7	-	-
6001-6100	CS-06037	1.3	-	-
6101-6200	CS-06145	1.8	-	-
6201-6300	CS-06226	1.3	-	-
6301-6400	CS-06387	2.1	-	-
6401-6500	CS-06471	-	-	-
6501-6600	CS-06592	3.0	-	-
6601-6700	CS-06670	-	-	-
6701-6800	CS-06722	-	-	-
6801-6900	CS-06801	-	-	-
6901-7000	CS-06910	-	-	-
7001-7100	CS-07078	-	-	-
7101-7200	CS-07109	-	-	-
7201-7232	CS-07226	10	-	-

Notes:

	No values detected above LDR regulatory limits for any individual compound in this category.
1)	Two samples also exceeded the LDR regulatory limits for TCLP lead.
LDR	Land Disposal Restriction.
PCBs	Polychlorinated Biphenyls.
PCDDs	Polychlorinated Dibenzo-p-dioxins.
PCDFs	Polychlorinated Dibenzofurans.
SVOCs	Semi-Volatile Organic Compounds.

TABLE 5.2

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - CREEK SEDIMENT 2
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (µg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
7984-8000	CS2-07985	1.1	-	-
8001-8100	CS2-08011	1.4	-	-
8101-8200	CS2-08199	-	-	-
8201-8300	CS2-08221	3.8	-	-
8301-8400	CS2-08338	-	-	0.076
8401-8500	CS2-08432	-	-	-
8501-8600	CS2-08529	-	-	-
8601-8700	CS2-08602	-	-	-
8701-8800	CS2-08761	-	-	-
8801-8900	CS2-08885	-	-	-
8901-9000	CS-08993	-	-	-
9001-9100	CS2-09048	-	-	-
9101-9200	CS2-09110	-	-	-
9201-9300	CS2-09230	-	-	-
9301-9400	CS2-09329	-	-	-
9401-9495	CS-09471	-	-	-

tes:

No values detected above LDR regulatory limits for any individual compound in this category.
R Land Disposal Restriction.
Bs Polychlorinated Biphenyls.
DDs Polychlorinated Dibenzo-p-dioxins.
DFs Polychlorinated Dibenzofurans.
OCs Semi-Volatile Organic Compounds.

TABLE 5.3

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - HAUL ROADS
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (µg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
9496-9600	HR-09581	-	-	-
9601-9700	HR-09670	-	3.6	-
9701-9800	HR-09705	-	-	0.081
9801-9900	HR-09838	-	-	-
9901-10000	HR-09904	-	-	-
10001-10100	HR-10059	-	-	-
10100-10200	HR-10125	-	-	-
10201-10300	HR-10241	21	-	0.13
10301-10400	HR-10392	-	-	-
10401-10500	HR-10425	-	-	-
10501-10600	HR-10535	1.9	-	0.068
10601-10700	HR-10678	1.1	-	-
10701-10800	HR-10712	-	-	-
10801-10945	HR-10860	1.3	-	-

otes:

No values detected above LDR regulatory limits for any individual compound in this category.
DR Land Disposal Restriction.
CBs Polychlorinated Biphenyls.
CDDs Polychlorinated Dibenzo-p-dioxins.
CDFs Polychlorinated Dibenzofurans.
VOCs Semi-Volatile Organic Compounds.

TABLE 5.4

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - FACILITY CLEANUP
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (µg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
14817-14900	FC-14858	-	-	-
14901-15000	FC-14949	-	-	-
15001-15100	FC-15085	1.7	-	-
15101-15200	FC-15171	3.4	-	-
15201-15300	FC-15278	1.6	-	0.10
15301-15400	FC-15319	1.6	-	-
15401-15423	FC-15421	4.9	-	-

es:

No values detected above LDR regulatory limits for any individual compound in this category.
R Land Disposal Restriction.
Bs Polychlorinated Biphenyls.
DDs Polychlorinated Dibenzo-p-dioxins.
DFs Polychlorinated Dibenzofurans.
DCs Semi-Volatile Organic Compounds.

TABLE 5.5

LDR EXCEEDANCE SUMMARY AND DISPOSAL OPTIONS - CREEK DEBRIS
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Bag Range	*Bag Number*	*Total PCDDs/PCDFs (mg/Kg)*	*Total SVOCs (mg/Kg)*	*Total Pesticides/PCBs (mg/Kg)*
10946-11000	CD-10984	1.3	-	-
11001-11100	CD-11081	3.3	-	-
11101-11200	CD-11120	-	-	-
11201-11300	CD-11248	5.0	-	-
11301-11400	CD-11372	3.1	-	-
11401-11500	CD-11466	3.3	-	0.095
11501-11600	CD-11569	1.3	-	-
11701-11800	CD-11741	4.3	-	0.19
11801-11900	CD-11889	3.1	-	0.21
11901-12000	CD-11912	5.8	3.8	-
12001-12100	CD-12055	9.0	-	-
12101-12200	CD-12112	3.2	-	0.098
12201-12300	CD-12211	4.4	-	0.068
12301-12400	CD-12367	6.6	-	-
12401-12500	CD-12488	1.3	-	-
12501-12538	CD-12533	2.8	-	-
12599-12700	CD-12695	1.6	-	-
12701-12800	CD-12708	2.1	29	-
12801-12900	CD-12880	3.0	-	-
12901-13000	CD-12921	2.2	-	-
13001-13100	CD-13020	37	20	0.098
13101-13200	CD-13120	34	51	-
13201-13300	CD-13282	15	-	-
13301-13400	CD-13395	3.4	109	0.19
13401-13500	CD-13429	13	71	0.23
13501-13600	CD-13528	5.2	-	0.11
13601-13700	CD-13645	4.6	47	0.11
13701-13800	CD-13780	12	67	0.57
13801-13900	CD-13874	19	-	-
14001-14100	CD-14073	7.8	-	0.18
14101-14200	CD-14157	1.3	25	0.13
14201-14300	CD-14247	7.0	-	0.096
14301-14400	CD-14391	5.3	-	0.10
14401-14500	CD-14445	11	26	0.18
14501-14600	CD-14522	6.7	23	0.11
14601-14700	CD-14674	54	18	0.23
14701-14816	CD-14739	4.0	-	0.13

Notes:

(1) The creek debris category has been designated for incineration prior to disposal.
- No values detected above LDR regulatory limits for any individual compound in this category.
LDR Land Disposal Restriction.
PCBs Polychlorinated Biphenyls.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.
SVOCs Semi-Volatile Organic Compounds.

TABLE 6.3

STATISTICAL SAMPLING DATA
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

			Creek Sediment 1 (Calculations based on data from 74 of 74 total samples)						
LDR TCLP Metals	*Units*	*LDR Regulatory Limits*	*Mean*	*# Samples*	*Std. Dev. (s)*	*Variance (s2)*	*T.20*	*UCL*	*n*
Lead	mg/L	0.37	0.054	74	0.162	0.026	1.294	0.378	1
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	2.722	74	4.103	16.836	1.294	10.928	10
Total HxCDD	µg/Kg	1.0	0.139	74	0.801	0.642	1.294	1.742	1

			Creek Sediment 2 (Calculations based on data from 16 of 16 total samples)						
			Mean	*# Samples*	*Std. Dev. (s)*	*Variance (s2)*	*T.20*	*UCL*	*n*
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	0.656	16	0.519	0.269	1.341	1.694	4

			Haul Roads (Calculations based on data from 14 of 14 total samples)						
			Mean	*# Samples*	*Std. Dev. (s)*	*Variance (s2)*	*T.20*	*UCL*	*n*
LDR Chlorinated Pesticides/PCBs									
Aldrin	mg/Kg	0.066	0.013	14	0.037	0.001	1.350	0.087	1
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	0.907	14	1.219	1.485	1.350	3.345	314
Total PeCDD	µg/Kg	1.0	0.357	14	1.104	1.218	1.350	2.564	10
Total HxCDD	µg/Kg	1.0	0.586	14	2.107	4.438	1.350	4.799	371
Total PeCDF	µg/Kg	1.0	0.157	14	0.588	0.346	1.350	1.333	1

TABLE 6.3

STATISTICAL SAMPLING DATA
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Creek Debris
(Calculations based on data from 37 of 37 total samples)

LDR Semi-Volatile Organics	*Units*	*LDR Regulatory Limits*	*Mean*	*# Samples*	*Std. Dev. (s)*	*Variance (s2)*	*T.20*	*UCL*	*n*
1,4-Dichlorobenzene	mg/Kg	6.0	1.841	37	2.963	8.779	1.306	7.766	1
Pentachlorobenzene	mg/Kg	10	5.249	37	5.390	29.048	1.306	16.028	2
1,2,4-Trichlorobenzene	mg/Kg	19	12.084	37	15.181	230.459	1.306	42.445	8
LDR Chlorinated Pesticides/PCBs									
Aldrin	mg/Kg	0.066	0.022	37	0.051	0.003	1.306	0.124	1
delta-BHC	mg/Kg	0.066	0.019	37	0.046	0.002	1.306	0.110	2
gamma-BHC (Lindane)	mg/Kg	0.066	0.051	37	0.071	0.005	1.306	0.193	38
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	3.216	37	2.662	7.085	1.306	8.540	2
Total PeCDD	µg/Kg	1.0	1.397	37	2.484	6.169	1.306	6.365	67
Total HxCDD	µg/Kg	1.0	2.294	37	4.008	16.064	1.306	10.310	16
Total TCDF	µg/Kg	1.0	0.170	37	0.433	0.188	1.306	1.037	0
Total PeCDF	µg/Kg	1.0	0.908	37	1.943	3.777	1.306	4.796	763
Total HxCDF	µg/Kg	1.0	0.689	37	1.884	3.550	1.306	4.457	63

Facility Cleanup
(Calculations based on data from 7 of 7 total samples)

			Mean	*# Samples*	*Std. Dev. (s)*	*Variance (s2)*	*T.20*	*UCL*	*n*
LDR Chlorinated Pesticides/PCBs									
delta-BHC	mg/Kg	0.066	0.031	7	0.037	0.001	1.440	0.106	2
gamma-BHC (Lindane)	mg/Kg	0.066	0.026	7	0.023	0.001	1.440	0.072	1
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	1.357	7	0.709	0.503	1.440	2.775	8
Total PeCDD	µg/Kg	1.0	0.357	7	0.611	0.373	1.440	1.578	3
Total HxCDD	µg/Kg	1.0	0.643	7	0.766	0.586	1.440	2.174	21

Calculations: $n = (t2.20*s2)/\Delta 2$

Δ = Regulatory Threshold - Mean

n = Number of samples required in Phase II

TABLE 6.4

PHASE II SAMPLING PROGRAM
LOVE CANAL BAGGED WASTES
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Category	*Total Number of Samples in Phase I*	*Total Number of Samples (1)*	*Analyses*
Creek Sediment 1	74	10	PCDDs/PCDFs
		10	Fluoranthene, Phenanthrene
		1	TCLP Lead
Creek Sediment 2	16	4	PCDDs/PCDFs
Haul Roads (2)	14	14	PCDDs/PCDFs
		1	Aldrin
Facility Cleanup	7	21	PCDDs/PCDFs
		2	BHCs
Creek Debris (3)	37	763	PCDDs/PCDFs
		38	Aldrin/BHCs
		8	SVOCs

Notes:

(1) Sample numbers based on Phase I results using equation (8) in Table 9-1 of SW-846 Third Edition, Volume II, November 1986. Non-detect values with detection limits greater than the associated land disposal restriction regulatory limit deleted from the calculation.

(2) Due to a statistical outlier, Phase I statistics have not been used to determine Phase II sampling frequency (see Section 6.4).

(3) This category has been excluded from the Phase II sampling program.

BHCs Benzene Hexachlorocyclohexanes.

PCDDs Polychlorinated Dibenzo-p-dioxins.

PCDFs Polychlorinated Dibenzofurans.

SVOCs Semi-Volatile Organic Compounds.

TCLP Toxicity Characteristic Leaching Procedure.

TABLE 7.1

PROPOSED VARIANCE LIMITS
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Parameter	*F039 LDR Limit (mg/Kg)*	*Proposed Variance Limit (mg/Kg)*
Total TCDD	0.001	0.010
Total PeCDD	0.001	0.010
Total HxCDD	0.001	0.010
Total TCDF	0.001	0.010
Total PeCDF	0.001	0.010
Total HxCDF	0.001	0.010

TABLE 8.0

PROJECTED DISPOSAL QUANTITIES
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

	Without Variances Total Number of Bags for		*With Variances Total Number of Bags for*	
	Landfill	*Incineration*	*Landfill*	*Incineration*
Creek Sediment 1 (7,232 Bags)	2,700	4,532	7,032	200
Creek Sediment 2 (1,512 Bags)	1,195	317	1,412	100
Haul Roads (1,450 Bags)	805	645	1,050	400
Facility Cleanup (607 Bags)	184	423	507	100
Creek Debris (3,811 Bags)	0	3,811	0 (1)	3,811
TOTAL	4,884	9,728	10,001	4,611

s:

The creek debris category has been designated for incineration prior to landfill disposal.

APPENDIX A

SAMPLE COLLECTION AND ANALYSIS SUMMARY

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Sample Location Designation	*Collection Date*	*Collection Time*	*Chain of Custody No.*	*Sample Category*	*Chemical Analysis*	*Comments*
CS-00116	09/10/96	1423	1627	Creek Sediment 1	LDR (1)	
CS-00631	09/10/96	1435	1627	Creek Sediment 1	LDR (1)	
CS-02785	09/10/96	1443	1627	Creek Sediment 1	LDR (1)	
CS-04759	09/10/96	1455	1627	Creek Sediment 1	LDR (1)	
CS-05780	09/10/96	1535	1627	Creek Sediment 1	LDR (1)	MS/MSD
CS-06722	09/10/96	1515	1627	Creek Sediment 1	LDR (1)	MS/MSD (VOCs Only)
CS2-08011	09/10/96	1550	1627	Creek Sediment 2	LDR (1)	
CS2-09110	09/10/96	1600	1627	Creek Sediment 2	LDR (1)	
CS2-16100	09/10/96	1530	1627	Creek Sediment 2	LDR (1)	Dup. of CS2-09110
HR-10425	09/10/96	1720	1627	Haul Roads	LDR (1)	
CD-11120	09/10/96	1730	1627	Creek Debris	LDR (1)	
CD-12533	09/10/96	1615	1627	Creek Debris	LDR (1)	
CD-13528	09/10/96	1710	1627	Creek Debris	LDR (1)	
CD-13874	09/10/96	1630	1627	Creek Debris	LDR (1)	
FC-14949	09/10/96	1700	1627	Facility Cleanup	LDR (1)	
CS-01144	09/12/96	1243	1628	Creek Sediment 1	LDR (1)	
CS-01859	09/12/96	1253	1628	Creek Sediment 1	LDR (1)	
CS-02425	09/12/96	1300	1628	Creek Sediment 1	LDR (1)	
CS-03526	09/12/96	1305	1628	Creek Sediment 1	LDR (1)	
CS-03907	09/12/96	1312	1628	Creek Sediment 1	LDR (1)	
CS-06037	09/12/96	1326	1628	Creek Sediment 1	LDR (1)	
HR-09581	09/12/96	1336	1628	Haul Roads	LDR (1)	
HR-09838	09/12/96	1350	1628	Haul Roads	LDR (1)	
CD-12367	09/12/96	1428	1628	Creek Debris	LDR (1)	MS/MSD
FC-15319	09/12/96	1412	1628	Facility Cleanup	LDR (1)	
CS2-08432	09/12/96	1450	1628	Creek Sediment 2	LDR (1)	
CS2-08199	09/12/96	1440	1628	Creek Sediment 2	LDR (1)	
HR-10241	09/12/96	1457	1628	Haul Roads	LDR (1)	
CD-11912	09/12/96	1506	1628	Creek Debris	LDR (1)	
CD-13395	09/12/96	1520	1628	Creek Debris	LDR (1)	
FC-15421	09/17/96	1335	1631	Facility Cleanup	LDR (1)	
FC-15171	09/17/96	1347	1631	Facility Cleanup	LDR (1)	MS/MSD (Metals Only)
FC-15085	09/17/96	1359	1631	Facility Cleanup	LDR (1)	
CD-13645	09/17/96	1411	1631	Creek Debris	LDR (1)	
CD-12055	09/17/96	1430	1631	Creek Debris	LDR (1)	
HR-10059	09/17/96	1440	1631	Haul Roads	LDR (1)	
CS2-08529	09/17/96	1405	1631	Creek Sediment 2	LDR (1)	
CS2-09329	09/17/96	1420	1631	Creek Sediment 2	LDR (1)	
HR-10125	09/17/96	1350	1631	Haul Roads	LDR (1)	
CS2-16212	09/17/96	1320	1631	Creek Sediment 2	LDR (1)	Dup. of HR-10125, MS/MSD (VOCs Only)
FC-14858	09/17/96	1430	1631	Facility Cleanup	LDR (1)	MS/MSD (Except Methanol)
CD-13780	09/17/96	1450	1631	Creek Debris	LDR (1)	
CS-02936	09/17/96	1510	1631	Creek Sediment 1	LDR (1)	
CS-02222	09/17/96	1520	1631	Creek Sediment 1	LDR (1)	
CS-01935	09/17/96	1520	1631	Creek Sediment 1	LDR (1)	
CS-02868	09/17/96	1530	1631	Creek Sediment 1	LDR (1)	
CS-00061	09/19/96	1355	1629	Creek Sediment 1	LDR (1)	
CS-00273	09/19/96	1530	1629	Creek Sediment 1	LDR (1)	
CS-00897	09/19/96	1510	1629	Creek Sediment 1	LDR (1)	
CS-00996	09/19/96	1500	1629	Creek Sediment 1	LDR (1)	
CS-01250	09/19/96	1440	1629	Creek Sediment 1	LDR (1)	
CS-01506	09/19/96	1420	1629	Creek Sediment 1	LDR (1)	
CS-02383	09/19/96	1410	1629	Creek Sediment 1	LDR (1)	
CS-00501	09/19/96	1354	1629	Creek Sediment 1	LDR (1)	
CS-00774	09/19/96	1402	1629	Creek Sediment 1	LDR (1)	
CS-01692	09/19/96	1409	1629	Creek Sediment 1	LDR (1)	
CS-09471	09/19/96	1454	1629	Creek Sediment 2	LDR (1)	MS/MSD
CS-02622	09/19/96	1458	1629	Creek Sediment 1	LDR (1)	
CS-01768	09/26/96	1114	1630	Creek Sediment 1	LDR (1)	

SAMPLE COLLECTION AND ANALYSIS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

Sample Location Designation	*Collection Date*	*Collection Time*	*Chain of Custody No.*	*Sample Category*	*Chemical Analysis*	*Comments*
CS-03180	09/26/96	1140	1630	Creek Sediment 1	LDR (1)	
CS-03365	09/26/96	1150	1630	Creek Sediment 1	LDR (1)	
CS-03693	09/26/96	1200	1630	Creek Sediment 1	LDR (1)	
CS-04836	09/26/96	1230	1630	Creek Sediment 1	LDR (1)	
CS-16312	09/26/96	1240	1630	Creek Sediment 1	LDR (1)	Dup. of CS-04836
CS-05863	09/26/96	1245	1630	Creek Sediment 1	LDR (1)	
CS-16412	09/26/96	1255	1630	Creek Sediment 1	LDR (1)	Dup. of CS-05863
CS-06226	09/26/96	1230	1630	Creek Sediment 1	LDR (1)	
CS-06387	09/26/96	1240	1630	Creek Sediment 1	LDR (1)	
HR-09904	09/26/96	1250	1630	Haul Roads	LDR (1)	MS/MSD
HR-09670	09/26/96	1330	1630	Haul Roads	LDR (1)	
HR-09705	09/26/96	1310	1630	Haul Roads	LDR (1)	MS/MSD (SVOCs Only)
CD-12880	10/03/96	1547	3559	Creek Debris	LDR (1)	
CD-12921	10/03/96	1535	3559	Creek Debris	LDR (1)	
CD-13282	10/03/96	1609	3559	Creek Debris	LDR (1)	
CD-13120	10/03/96	1556	3559	Creek Debris	LDR (1)	
CD-13429	10/03/96	1617	3559	Creek Debris	LDR (1)	
FC-15278	10/03/96	1518	3559	Facility Cleanup	LDR (1)	
CS2-08221	10/03/96	1610	3559	Creek Sediment 2	LDR (1)	MS/MSD
CS-07109	10/17/96	1447	1597	Creek Sediment 1	LDR (1)	MS/MSD (Except Cyanide)
CS-07078	10/17/96	1500	1597	Creek Sediment 1	LDR (1)	
CS-06910	10/17/96	1510	1597	Creek Sediment 1	LDR (1)	
CS-06592	10/17/96	1520	1597	Creek Sediment 1	LDR (1)	
CS-06670	10/17/96	1528	1597	Creek Sediment 1	LDR (1)	
CS-06801	10/17/96	1120	1597	Creek Sediment 1	LDR (1)	
CS-06471	10/18/96	1155	1597	Creek Sediment 1	LDR (1)	
CS-06145	10/18/96	1210	1597	Creek Sediment 1	LDR (1)	
CS-05935	10/18/96	1220	1597	Creek Sediment 1	LDR (1)	
CS-05576	10/23/96	1411	3560	Creek Sediment 1	LDR (1)	
CS-05673	10/23/96	1415	3560	Creek Sediment 1	LDR (1)	
CS-05460	10/23/96	1420	3560	Creek Sediment 1	LDR (1)	MS/MSD (Herbicides Only)
CS-05261	10/23/96	1430	3560	Creek Sediment 1	LDR (1)	
CS-05087	10/23/96	1440	3560	Creek Sediment 1	LDR (1)	
CS-05085	10/23/96	1450	3560	Creek Sediment 1	LDR (1)	
CS-16512	10/23/96	1520	3560	Creek Sediment 1	LDR (1)	Dup. of CS-04169
CS-04585	10/23/96	1513	3560	Creek Sediment 1	LDR (1)	
CS-04305	10/23/96	1520	3560	Creek Sediment 1	LDR (1)	
CS-04072	10/23/96	1530	3560	Creek Sediment 1	LDR (1)	
CS-04222	10/23/96	1535	3560	Creek Sediment 1	LDR (1)	
CS-04169	10/23/96	1549	3560	Creek Sediment 1	LDR (1)	MS/MSD (Except Herbicides)
CS-04460	10/29/96	1415	3561	Creek Sediment 1	LDR (1)	
CS-04612	10/29/96	1410	3561	Creek Sediment 1	LDR (1)	
CS-04902	10/29/96	1425	3561	Creek Sediment 1	LDR (1)	MS/MSD (VOCs Only)
CS-05183	10/29/96	1315	3561	Creek Sediment 1	LDR (1)	MS/MSD
CS-05381	10/29/96	1350	3561	Creek Sediment 1	LDR (1)	
CS-08993	10/29/96	1250	3561	Creek Sediment 2	LDR (1)	
CS-00336	10/31/96	1410	3562	Creek Sediment 1	LDR (1)	
CS-01089	10/31/96	1435	3562	Creek Sediment 1	LDR (1)	MS/MSD (VOCs and Metals Only)
CS-00478	10/31/96	1420	3562	Creek Sediment 1	LDR (1)	
CS-01428	10/31/96	1450	3562	Creek Sediment 1	LDR (1)	
CS-01397	10/31/96	1500	3562	Creek Sediment 1	LDR (1)	
CS-02070	10/31/96	1510	3562	Creek Sediment 1	LDR (1)	
CS-02568	10/31/96	1525	3562	Creek Sediment 1	LDR (1)	
CS-02192	10/31/96	1540	3562	Creek Sediment 1	LDR (1)	
CS-03069	11/05/96	1420	3563	Creek Sediment 1	LDR (1)	
CS-03254	11/05/96	1435	3563	Creek Sediment 1	LDR (1)	
CS-03478	11/05/96	1445	3563	Creek Sediment 1	LDR (1)	MS/MSD
CS-03737	11/05/96	1500	3563	Creek Sediment 1	LDR (1)	
CS-03814	11/05/96	1515	3563	Creek Sediment 1	LDR (1)	

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LOVE CANAL BAGGED WASTES
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Sample Location Designation	*Collection Date*	*Collection Time*	*Chain of Custody No.*	*Sample Category*	*Chemical Analysis*	*Comments*
CS2-08338	11/13/96	1105	3564	Creek Sediment 2	LDR (1)	
CS2-08761	11/13/96	1134	3564	Creek Sediment 2	LDR (1)	
CS2-08602	11/13/96	1117	3564	Creek Sediment 2	LDR (1)	
CS2-09048	11/13/96	1322	3564	Creek Sediment 2	LDR (1)	
CS2-09230	11/13/96	1332	3564	Creek Sediment 2	LDR (1)	
HR-10535	11/13/96	1347	3564	Haul Roads	LDR (1)	
HR-10678	11/13/96	1355	3564	Haul Roads	LDR (1)	
HR-10712	11/13/96	1402	3564	Haul Roads	LDR (1)	
HR-10392	11/13/96	1340	3564	Haul Roads	LDR (1)	
CD-10984	11/13/96	1428	3564	Creek Debris	LDR (1)	
HR-10860	11/13/96	1437	3564	Haul Roads	LDR (1)	
CD-11081	11/13/96	1445	3564	Creek Debris	LDR (1)	MS/MSD (Metals Only)
CD-11248	11/13/96	1454	3564	Creek Debris	LDR (1)	
CD-11466	11/13/96	1504	3564	Creek Debris	LDR (1)	
CD-11569	11/13/96	1534	3564	Creek Debris	LDR (1)	MS/MSD
CS2-16612	11/13/96	1530	3564	Creek Sediment 2	LDR (1)	Dup. of CS2-08602
CD-11741	11/13/96	1545	3564	Creek Debris	LDR (1)	
CD-13020	11/14/96	0945	3566	Creek Debris	LDR (1)	MS/MSD (Metals Only)
CD-12695	11/14/96	1010	3566	Creek Debris	LDR (1)	
CD-12708	11/14/96	1000	3566	Creek Debris	LDR (1)	
CS2-08885	11/14/96	1118	3566	Creek Sediment 2	LDR (1)	
CD-12112	11/14/96	1034	3566	Creek Debris	LDR (1)	
CD-12488	11/14/96	1020	3566	Creek Debris	LDR (1)	
CD-11889	11/14/96	1055	3566	Creek Debris	LDR (1)	
CD-13372	11/14/96	1105	3566	Creek Debris	LDR (1)	
CD-12211	11/14/96	1045	3566	Creek Debris	LDR (1)	
CS-07226	11/14/96	1421	3566	Creek Sediment 1	LDR (1)	
CS2-07985	11/14/96	1540	3566	Creek Sediment 2	LDR (1)	
CD-14073	11/15/96	0930	3566	Creek Debris	LDR (1)	
CD-14445	11/15/96	1000	3566	Creek Debris	LDR (1)	MS/MSD (Metals Only)
CD-14674	11/15/96	0917	3566	Creek Debris	LDR (1)	
CD-14391	11/15/96	0950	3566	Creek Debris	LDR (1)	
CD-14522	11/15/96	0945	3566	Creek Debris	LDR (1)	
CD-14157	11/15/96	1005	3566	Creek Debris	LDR (1)	
CD-14247	11/15/96	1037	1617	Creek Debris	LDR (1)	
CD-14739	11/15/96	1046	1617	Creek Debris	LDR (1)	MS/MSD (Except Pesticides/PCBs and Metals)

otes:
) LDR VOCs, SVOCs, Herbicides, Pesticides/PCBs, PCDDs/PCDFs, LDR TCLP Metals and Methanol, Total Cyanide.
ıp. Field Duplicate.
)R Land Disposal Restriction.
S Matrix Spike.
SD Matrix Spike Duplicate.
:Bs Polychlorinated Biphenyls.
:DDs Polychlorinated Dibenzo-p-dioxins.
:DFs Polychlorinated Dibenzofurans.
'OCs Semi-Volatile Organic Compounds.
:LP Toxicity Characteristic Leaching Procedure.
)Cs Volatile Organic Compounds.

APPENDIX B

ANALYTICAL RESULTS SUMMARY

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-00116	CS-00631	CS-02785	CS-04759	CS-05780	CS-06722	CS2-08011	CS2-09110
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 2
		Collection Date:	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.030	ND 0.034	ND 0.029	ND 0.038	ND 0.034	ND 0.038	ND 0.036	ND 0.037
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-00116	CS-00631	CS-02785	CS-04759	CS-05780	CS-06722	CS2-08011	CS2-09110
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 2
		Collection Date:	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-00116*	*CS-00631*	*CS-02785*	*CS-04759*	*CS-05780*	*CS-06722*	*CS2-08011*	*CS2-09110*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 2*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	CS-00116	CS-00631	CS-02785	CS-04759	CS-05780	CS-06722	CS2-08011	CS2-09110
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 2
		Collection Date:	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.083	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.015	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.022	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.014	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-00116*	*CS-00631*	*CS-02785*	*CS-04759*	*CS-05780*	*CS-06722*	*CS2-08011*	*CS2-09110*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 2*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
	Units	*LDR Regulatory Limits*								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	0.15J	0.28J	0.12J	ND 0.10	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	2.7	0.6	0.6	3.8J	0.6	0.9	ND 0.2
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	ND 0.2	2.7	0.6	0.6	3.8J	0.6	1.4	ND 0.2
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 2.7	ND 0.5	ND 2.3	ND 3.1	ND 0.9
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 1.4	ND 1.3	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.7	ND 0.7	ND 0.4

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		Location ID:	*CS-00116*	*CS-00631*	*CS-02785*	*CS-04759*	*CS-05780*	*CS-06722*	*CS2-08011*	*CS2-09110*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 2*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	0.57	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.19	0.27	0.17	0.19	0.26	0.41	0.18	0.13
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
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		Location ID:	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*	*CD-13528*	*CD-13874*	*FC-14949*
		Description:	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
			(Dup. of CS2-09110)						
	Units	*LDR Regulatory Limits*							
LDR Volatile Organics									
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.050	ND 0.035	ND 0.037	ND 0.038	ND 0.037	ND 0.040	ND 0.044
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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		Location ID:	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*	*CD-13528*	*CD-13874*	*FC-14949*
		Description:	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
			(Dup. of CS2-09110)						
	Units	*LDR Regulatory Limits*							
LDR Volatile Organics (Cont.)									
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics									
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 20	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	1.1	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.4	ND 2.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS2-16100	HR-10425	CD-11120	CD-12533	CD-13528	CD-13874	FC-14949
		Description:	Creek Sediment 2	Haul Roads	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Facility Clean-up
		Collection Date:	09/10/96 (Dup. of CS2-09110)	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96	09/10/96
	Units	LDR Regulatory Limits							
LDR Semi-Volatile Organics (Cont.)									
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	1.2	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	1.9	1.6	4.8	8.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*	*CD-13528*	*CD-13874*	*FC-14949*
		Description:	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
			(Dup. of CS2-09110)						
	Units	*LDR Regulatory Limits*							
LDR Semi-Volatile Organics (Cont.)									
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	1.1	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	1.3	2.4	6.7	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	4.3	6.0	17	1.4
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0
LDR Chlorinated Pesticides/PCBs									
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.016	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.11	ND 0.074	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.021	ND 0.027	ND 0.21	ND 0.17	ND 0.40	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.070	ND 0.048	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	0.11	ND 0.070	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.20	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.052	ND 0.065	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.078	ND 0.095	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	0.012J	ND 0.010	ND 0.025	ND 0.025	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.039	0.098J	ND 0.020	ND 0.050	ND 0.050	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*	*CD-13528*	*CD-13874*	*FC-14949*
		Description:	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
			(Dup. of CS2-09110)						
	Units	*LDR Regulatory Limits*							
LDR Chlorinated Pesticides/PCBs (Cont.)									
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 2.5	ND 2.5	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	0.22J	0.21J	0.16J	ND 0.25	ND 0.25	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides									
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs									
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	0.8	0.9	1.4	1.9	8.7	ND 0.2
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	0.7	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	0.6	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	ND 0.3	0.8	0.9	**1.4**	**1.9**	**10**	ND 0.3
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 3.4	ND 0.5	ND 0.5	**1.2**	**4.7**	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 1.1	ND 1.3	**1.4**	**2.1**	**3.1**	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.6	**1.3**	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	1.0	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	0.8	ND 0.4

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		Location ID:	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*	*CD-13528*	*CD-13874*	*FC-14949*
		Description:	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*	*09/10/96*
			(Dup. of CS2-09110)						
	Units	*LDR Regulatory Limits*							
LDR TCLP Metals									
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.14	0.14	0.14	ND 0.10	0.25	0.18	0.24
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	0.025	0.026	0.025	0.040	0.028	0.032	0.028J	0.026
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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		Location ID:	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	R	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS-01144	CS-01859	CS-02425	CS-03526	CS-03907	CS-06037	HR-09581	HR-09838
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Haul Roads	Haul Roads
		Collection Date:	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	R	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	R	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	2.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	R	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	R	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	2.2	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	2.1	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	R	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.016
delta-BHC	mg/Kg	0.066	ND 0.011	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.026	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*
	Units	*LDR Regulatory Limits*								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	0.13J	0.12J	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	7.1	7.6	2.0	1.0	0.6	1.3	ND 0.2	0.4
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	7.1	7.6	2.0	1.0	0.6	1.3	ND 0.2	0.4
Total PeCDD	µg/Kg	1.0	ND 1.2	ND 1.4	ND 1.4	ND 2.2	ND 1.5	ND 1.9	ND 2.2	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.7	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.4
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.11	0.22	0.73	0.90	0.26	0.22	0.16	0.19
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CD-12367*	*FC-15319*	*CS2-08432*	*CS2-08199*	*HR-10241*	*CD-11912*	*CD-13395*	*FC-15421*
		Description:	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	0.026	0.026	0.026	ND 0.025	0.026	ND 0.025	0.060
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CD-12367	FC-15319	CS2-08432	CS2-08199	HR-10241	CD-11912	CD-13395	FC-15421
		Description:	Creek Debris	Facility Clean-up	Creek Sediment 2	Creek Sediment 2	Haul Roads	Creek Debris	Creek Debris	Facility Clean-up
		Collection Date:	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/12/96	09/17/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 100	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.5	ND 10	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.5	ND 10	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	1.1	ND 1.0	ND 1.0	ND 1.0	1.2	ND 10	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.6	ND 10	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 20	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	1.2	ND 1.0	ND 1.0	ND 1.0	1.8	ND 10	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	5.1J	1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	12	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	11	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CD-12367*	*FC-15319*	*CS2-08432*	*CS2-08199*	*HR-10241*	*CD-11912*	*CD-13395*	*FC-15421*
		Description:	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	1.9	ND 1.0	ND 1.0	ND 1.0	3.8	ND 10	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 80	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 80	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 20	ND 2.0
Pentachlorobenzene	mg/Kg	10	4.8	2.4	ND 1.0	1.1	4.3	5.4	17	3.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	*CD-12367*	*FC-15319*	*CS2-08432*	*CS2-08199*	*HR-10241*	*CD-11912*	*CD-13395*	*FC-15421*
		Description:	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 50	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	1.5	ND 1.0	ND 1.0	ND 1.0	2.4	ND 10	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 80	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 80	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	1.7	ND 1.0	ND 1.0	ND 1.0	3.1	ND 10	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	3.9	1.4	ND 1.0	ND 1.0	ND 1.0	1.3	13	1.8
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	15J	2.9	ND 1.0	ND 1.0	ND 1.0	1.4	**69**	5.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 10	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.11	ND 0.084	ND 0.020	ND 0.033	**0.13J**	ND 0.13	ND 0.85	ND 0.012
delta-BHC	mg/Kg	0.066	ND 0.47	ND 0.031	ND 0.010	ND 0.012	ND 0.025	ND 0.089	**0.093J**	0.031J
beta-BHC	mg/Kg	0.066	ND 0.20	ND 0.068	ND 0.014	ND 0.017	ND 0.079	ND 0.088	ND 0.44	ND 0.089
alpha-BHC	mg/Kg	0.066	ND 0.012	ND 0.017	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.027
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.017	0.020J	ND 0.010	ND 0.012	ND 0.025	ND 0.025	**0.10J**	0.034J
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.20	ND 0.40	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.012	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.012
alpha-Chlordane	mg/Kg	0.26	ND 0.012	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.012
2,4'-DDD	mg/Kg	0.087	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.073	ND 0.16	ND 0.025
4,4'-DDD	mg/Kg	0.087	ND 0.035	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
2,4'-DDE	mg/Kg	0.087	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
4,4'-DDE	mg/Kg	0.087	ND 0.035	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
2,4'-DDT	mg/Kg	0.087	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
4,4'-DDT	mg/Kg	0.087	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
alpha-Endosulfan	mg/Kg	0.066	ND 0.023	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.033	ND 0.054	ND 0.012
Endosulfan sulfate	mg/Kg	0.13	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
Endrin	mg/Kg	0.13	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
Endrin aldehyde	mg/Kg	0.13	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	ND 0.025
Heptachlor	mg/Kg	0.066	ND 0.012	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.012
Heptachlor epoxide	mg/Kg	0.066	ND 0.012	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.012
Isodrin	mg/Kg	0.066	ND 0.012	ND 0.012	ND 0.010	ND 0.012	ND 0.025	ND 0.025	ND 0.050	ND 0.012
Kepone	mg/Kg	0.13	ND 0.025	ND 0.025	ND 0.020	ND 0.025	ND 0.050	ND 0.050	ND 0.10	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.10

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		Location ID:	*CD-12367*	*FC-15319*	*CS2-08432*	*CS2-08199*	*HR-10241*	*CD-11912*	*CD-13395*	*FC-15421*
		Description:	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Aroclor-1221	mg/Kg	10	ND 1.2	ND 1.2	ND 0.25	ND 1.2	ND 2.5	ND 2.5	ND 5.0	ND 1.2
Aroclor-1232	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Aroclor-1242	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Aroclor-1248	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Aroclor-1254	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Aroclor-1260	mg/Kg	10	ND 0.12	ND 0.12	ND 0.10	ND 0.12	ND 0.25	ND 0.25	ND 0.50	ND 0.12
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	0.19	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	3.3	1.6	0.9	0.9	4.6	2.4	3.2	1.5
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	2.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	0.7	ND 0.2	ND 0.2	ND 0.2	3.2	ND 0.2	ND 0.2	0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	0.8	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	**3.3**	**1.6**	0.9	0.9	**4.6**	**2.9**	**3.4**	**1.5**
Total PeCDD	µg/Kg	1.0	0.8	ND 7.4	ND 0.5	ND 0.5	**4.1**	ND 4.1	0.9	**1.3**
Total HxCDD	µg/Kg	1.0	**3.3**	1.0	0.4	ND 1.5	**7.9**	**2.9**	0.6	**2.1**
Total TCDF	µg/Kg	1.0	ND 0.9	ND 0.4	ND 0.4	ND 0.4	**1.3**	ND 0.7	0.8	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	**2.2**	ND 0.7	ND 0.7	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 1.3	ND 0.4	ND 0.4	ND 0.4	**1.3**	ND 1.1	ND 0.4	ND 0.4

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		Description:	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Facility Clean-up*
		Collection Date:	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/12/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.40
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	ND 0.10	0.19	0.10	0.16	ND 0.10	0.16	0.18	0.27
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*FC-15171*	*FC-15085*	*CD-13645*	*CD-12055*	*HR-10059*	*CS2-08529*	*CS2-09329*	*HR-10125*
		Description:	*Facility Clean-up*	*Facility Clean-up*	*Creek Debris*	*Creek Debris*	*Haul Roads*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	0.060	0.066	0.069	0.069	0.062J	0.071	0.072	0.077J
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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NIAGARA FALLS, NEW YORK

		Location ID:	*FC-15171*	*FC-15085*	*CD-13645*	*CD-12055*	*HR-10059*	*CS2-08529*	*CS2-09329*	*HR-10125*
		Description:	*Facility Clean-up*	*Facility Clean-up*	*Creek Debris*	*Creek Debris*	*Haul Roads*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 40	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	1.2J	ND 4.0	ND 1.0	ND 1.0	ND 1.0	1.0J	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 8.0	ND 2.0	R	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	1.2	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	1.3	1.9	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	FC-15171	FC-15085	CD-13645	CD-12055	HR-10059	CS2-08529	CS2-09329	HR-10125
		Description:	Facility Clean-up	Facility Clean-up	Creek Debris	Creek Debris	Haul Roads	Creek Sediment 2	Creek Sediment 2	Haul Roads
		Collection Date:	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 20	ND 5.0	R	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 20	ND 5.0	R	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	1.3	1.6	ND 4.0	ND 1.0	ND 1.0	ND 1.0	1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 20	ND 5.0	R	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	2.3	1.8	11	1.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Description:	Facility Clean-up	Facility Clean-up	Creek Debris	Creek Debris	Haul Roads	Creek Sediment 2	Creek Sediment 2	Haul Roads
		Collection Date:	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 20	ND 5.0	R	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	1.2	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	1.3	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	1.1	ND 1.0	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	2.4	2.9	36	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	R	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.025	ND 0.12	ND 0.31	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	0.057J	ND 0.025	ND 0.13	ND 0.027	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.091	ND 0.067	ND 0.59	ND 0.13	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.043	ND 0.025	ND 0.060	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	0.058J	ND 0.025	0.11J	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.20	ND 0.20	ND 0.40	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.050	ND 0.050	ND 0.10	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.025	ND 0.025	ND 0.050	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	R	R	R	R	R	R	R	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	*FC-15171*	*FC-15085*	*CD-13645*	*CD-12055*	*HR-10059*	*CS2-08529*	*CS2-09329*	*HR-10125*
		Description:	*Facility Clean-up*	*Facility Clean-up*	*Creek Debris*	*Creek Debris*	*Haul Roads*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 2.5	ND 2.5	ND 5.0	ND 2.5	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	0.17J	ND 0.10	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.25	ND 0.25	ND 0.50	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 3.3	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 1.3	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.67	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	2.0	1.7	3.5	2.6	ND 0.2	ND 0.2	0.4	ND 0.2
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	**2.2**	**1.7**	**3.5**	**2.6**	ND 0.2	ND 0.7	0.4	ND 0.2
Total PeCDD	µg/Kg	1.0	**1.2**	ND 0.5	**1.1**	**1.8**	ND 1.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	0.8	ND 2.7	0.8	**4.6**	ND 0.2	ND 0.4	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.8	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.8	ND 0.5	ND 0.5	ND 1.2	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	0.8	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*FC-15171*	*FC-15085*	*CD-13645*	*CD-12055*	*HR-10059*	*CS2-08529*	*CS2-09329*	*HR-10125*
		Description:	*Facility Clean-up*	*Facility Clean-up*	*Creek Debris*	*Creek Debris*	*Haul Roads*	*Creek Sediment 2*	*Creek Sediment 2*	*Haul Roads*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.33	ND 0.10	0.12	0.15	0.18	0.27	ND 0.10	0.15
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*
		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR Volatile Organics									
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	0.061	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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LOVE CANAL BAGGED WASTES
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		Location ID:	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*
		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR Volatile Organics (Cont.)									
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics									
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 40	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	1.5	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	1.5J	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) flucranthene	mg/Kg	6.8	ND 1.0	1.4	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	1.7J	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	1.6	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	8.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*
		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR Semi-Volatile Organics (Cont.)									
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	2.6	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 8.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	1.8	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*
		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR Semi-Volatile Organics (Cont.)									
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 20	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	2.2	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 32	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	2.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	1.0	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	2.9J	**40**	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 4.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs									
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.42	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	0.031J	**0.22J**	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.065	ND 0.61	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.017	ND 0.17	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	0.022J	**0.26J**	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.40	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.012	ND 0.050	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.012	ND 0.050	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.11	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.012	**0.092J**	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.10	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.050	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.050	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.050	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	R	R	R	R	R	R	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*
		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR Chlorinated Pesticides/PCBs (Cont.)									
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 1.2	ND 5.0	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	0.16J	0.12J	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.12	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides									
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs									
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	0.9	4.5	1.7	1.3	1.5	0.7
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs									
Total TCDD	µg/Kg	1.0	ND 0.2	0.9	4.5	1.7	1.3	1.5	0.7
Total PeCDD	µg/Kg	1.0	ND 1.2	ND 0.5	ND 5.1	ND 0.5	ND 0.5	ND 1.3	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	4.4	ND 3.1	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	1.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	1.6	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Description:	*Haul Roads*	*Facility Clean-up*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*	*09/17/96*
			(Dup. of HR-10125)						
	Units	*LDR Regulatory Limits*							
LDR TCLP Metals									
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40	ND 0.40
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.12	0.17	0.23	0.20	0.16	0.38	0.21
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-00061*	*CS-00273*	*CS-00897*	*CS-00996*	*CS-00501*	*CS-00774*	*CS-01250*	*CS-01506*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.029	ND 0.028	ND 0.025	ND 0.025	ND 0.029	ND 0.031	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
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NIAGARA FALLS, NEW YORK

		Location ID:	CS-00061	CS-00273	CS-00897	CS-00996	CS-00501	CS-00774	CS-01250	CS-01506
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS-00061	CS-00273	CS-00897	CS-00996	CS-00501	CS-00774	CS-01250	CS-01506
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96	09/19/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.065	**0.12J**	ND 0.010	ND 0.010	0.029J	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.27	ND 0.25	ND 0.010	ND 0.010	ND 0.019	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.041	ND 0.031	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.20	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	R	R	R	R	R	R	R	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	*CS-00061*	*CS-00273*	*CS-00897*	*CS-00996*	*CS-00501*	*CS-00774*	*CS-01250*	*CS-01506*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*
	Units	*LDR Regulatory Limits*								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 2.5	ND 2.5	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	0.12J	0.11J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.16	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	ND 0.2	24	22	ND 0.2	3.1	9.6	5.4
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	ND 0.2	ND 0.2	25	22	ND 0.2	3.1	9.6	5.4
Total PeCDD	µg/Kg	1.0	ND 3.2	ND 2.4	ND 0.5	ND 2.6	ND 0.5	ND 4.9	ND 1.9	ND 2.1
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	0.7	0.5	ND 0.2	ND 0.2	ND 0.7	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 1.5	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CS-00061*	*CS-00273*	*CS-00897*	*CS-00996*	*CS-00501*	*CS-00774*	*CS-01250*	*CS-01506*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	0.62	0.59	0.65	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	0.25
Mercury	mg/L	0.025	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.20	0.16	0.21	0.21	0.25	0.12	0.25	0.39
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CS-01692*	*CS-02383*	*CS-02622*	*CS-09471*	*CS-01768*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/26/96*
	Units	*LDR Regulatory Limits*					
LDR Volatile Organics							
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.032	ND 0.028	ND 0.029	ND 0.031	ND 0.038
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-01692*	*CS-02383*	*CS-02622*	*CS-09471*	*CS-01768*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/26/96*
	Units	*LDR Regulatory Limits*					
LDR Volatile Organics (Cont.)							
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics							
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-01692	CS-02383	CS-02622	CS-09471	CS-01768
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1
		Collection Date:	09/19/96	09/19/96	09/19/96	09/19/96	09/26/96
	Units	LDR Regulatory Limits					
LDR Semi-Volatile Organics (Cont.)							
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-01692	CS-02383	CS-02622	CS-09471	CS-01768
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1
		Collection Date:	09/19/96	09/19/96	09/19/96	09/19/96	09/26/96
	Units	LDR Regulatory Limits					
LDR Semi-Volatile Organics (Cont.)							
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs							
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	0.013
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	R	R	R	R	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-01692*	*CS-02383*	*CS-02622*	*CS-09471*	*CS-01768*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/26/96*
	Units	*LDR Regulatory Limits*					
LDR Chlorinated Pesticides/PCBs (Cont.)							
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	0.12J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides							
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs							
2,3,7,8-TCDD	µg/Kg	NA	7.3	1.4	1.7	ND 0.2	4.8
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs							
Total TCDD	µg/Kg	1.0	7.3	1.4	1.7	ND 0.2	4.8
Total PeCDD	µg/Kg	1.0	ND 4.6	ND 1.9	2.4	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	0.5	ND 0.2	ND 0.2	ND 0.9
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-01692*	*CS-02383*	*CS-02622*	*CS-09471*	*CS-01768*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*
		Collection Date:	*09/19/96*	*09/19/96*	*09/19/96*	*09/19/96*	*09/26/96*
	Units	*LDR Regulatory Limits*					
LDR TCLP Metals							
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	0.24	ND 0.20	ND 0.20	ND 0.20	ND 0.10
Mercury	mg/L	0.025	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.00020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.10
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.38	0.28	0.26	0.24	0.36
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-03180*	*CS-03365*	*CS-03693*	*CS-04836*	*CS-16312*	*CS-05863*	*CS-16412*	*CS-06387*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*
							(Dup. of CS-04836)		*(Dup. of CS-05863)*	
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	0.037	0.031	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-Methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.042	ND 0.046	0.033	0.034	0.036	0.038	ND 0.042	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-03180	CS-03365	CS-03693	CS-04836	CS-16312	CS-05863	CS-16412	CS-06387
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96 (Dup. of CS-04836)	09/26/96	09/26/96 (Dup. of CS-05863)	09/26/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-03180	CS-03365	CS-03693	CS-04836	CS-16312	CS-05863	CS-16412	CS-06387
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96 (Dup. of CS-04836)	09/26/96	09/26/96 (Dup. of CS-05863)	09/26/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS-03180	CS-03365	CS-03693	CS-04836	CS-16312	CS-05863	CS-16412	CS-06387
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96 (Dup. of CS-04836)	09/26/96	09/26/96 (Dup. of CS-05863)	09/26/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	R	R	R	R	R	R	R	R
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	CS-03180	CS-03365	CS-03693	CS-04836	CS-16312	CS-05863	CS-16412	CS-06387
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96 (Dup. of CS-04836)	09/26/96	09/26/96 (Dup. of CS-05863)	09/26/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	0.14J	0.21J	0.24J	0.12J	ND 0.10	0.14J	0.12J	0.13J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	4.7	2.3	1.3	1.1	1.1	1.4	1.3	2.1
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	4.7	2.3	1.3	1.1	1.1	1.4	1.3	2.1
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	0.6	ND 0.2	0.6
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CS-03180*	*CS-03365*	*CS-03693*	*CS-04836*	*CS-16312*	*CS-05863*	*CS-16412*	*CS-06387*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*
							(Dup. of CS-04836)		*(Dup. of CS-05863)*	
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.10	0.11	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.35	0.29	0.38	0.33	0.14	0.30	0.20	0.28
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS-06226	HR-09670	HR-09705	HR-09904	CS2-08221	CD-12880	CD-12921	CD-13282
		Description:	Creek Sediment 1	Haul Roads	Haul Roads	Haul Roads	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	10/03/96	10/03/96	10/03/96	10/03/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	0.051J	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	ND 0.041	ND 0.038	ND 0.037	0.030J	0.059	0.027	0.027
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-06226	HR-09670	HR-09705	HR-09904	CS2-08221	CD-12880	CD-12921	CD-13282
		Description:	Creek Sediment 1	Haul Roads	Haul Roads	Haul Roads	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	10/03/96	10/03/96	10/03/96	10/03/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	0.090J	0.049	0.073	0.042
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	2.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.6
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.1	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-06226*	*HR-09670*	*HR-09705*	*HR-09904*	*CS2-08221*	*CD-12880*	*CD-12921*	*CD-13282*
		Description:	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*10/03/96*	*10/03/96*	*10/03/96*	*10/03/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	1.2	3.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.3
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	2.2	ND 1.0	ND 1.0	2.7	1.7	1.4	9.7
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-06226*	*HR-09670*	*HR-09705*	*HR-09904*	*CS2-08221*	*CD-12880*	*CD-12921*	*CD-13282*
		Description:	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*10/03/96*	*10/03/96*	*10/03/96*	*10/03/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	R	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	2.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.4
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	3.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.2
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.2	1.0	6.2
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	2.7	3.8	13
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.087	ND 0.073	0.063J	ND 0.25
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	0.081	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.041
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.018	ND 0.037	ND 0.019	ND 0.22
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	0.046	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	0.016	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.047
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.031	ND 0.025	ND 0.025	ND 0.050
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.027	ND 0.025	ND 0.025	ND 0.089
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.028	ND 0.010	ND 0.010	ND 0.020	ND 0.015	ND 0.019	ND 0.046
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.050
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.025
Kepone	mg/Kg	0.13	R	R	R	R	ND 0.079	ND 0.025	ND 0.025	ND 0.13
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	CS-06226	HR-09670	HR-09705	HR-09904	CS2-08221	CD-12880	CD-12921	CD-13282
		Description:	Creek Sediment 1	Haul Roads	Haul Roads	Haul Roads	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	09/26/96	09/26/96	09/26/96	09/26/96	10/03/96	10/03/96	10/03/96	10/03/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.25
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 1.2	ND 1.2	ND 1.2	ND 2.5
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.25
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.25
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.25
Aroclor-1254	mg/Kg	10	0.11J	ND 0.10	ND 0.10	ND 0.10	ND 0.82	ND 0.45	ND 0.47	ND 0.25
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.25
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	1.3	ND 0.2	1.0	ND 0.2	1.6	1.6	2.2	3.1
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	1.0
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	1.3	ND 0.2	1.0	ND 0.2	1.6	1.8	2.2	3.4
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	0.9	ND 0.5	0.9	ND 0.5	0.9	1.0
Total HxCDD	µg/Kg	1.0	0.6	ND 0.2	ND 2.6	ND 0.2	0.6	1.2	ND 0.2	2.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 2.3
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	1.1	ND 0.5	ND 0.5	4.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	1.1	ND 0.4	ND 0.4	4.7

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		Location ID:	*CS-06226*	*HR-09670*	*HR-09705*	*HR-09904*	*CS2-08221*	*CD-12880*	*CD-12921*	*CD-13282*
		Description:	*Creek Sediment 1*	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*09/26/96*	*09/26/96*	*09/26/96*	*09/26/96*	*10/03/96*	*10/03/96*	*10/03/96*	*10/03/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	0.54	0.69	ND 0.50	0.69	0.54	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	0.084	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.20	0.24	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.20	0.14	0.19	0.15	0.22	0.19	0.13	0.22
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*CD-13120*	*CD-13429*	*FC-15278*	*CS-06592*	*CS-06670*	*CS-06801*	*CS-06910*	*CS-07078*
		Description:	*Creek Debris*	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/03/96*	*10/03/96*	*10/03/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	0.030	0.029	ND 0.025	ND 0.069	ND 0.062	ND 0.063	ND 0.065	ND 0.075
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
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		Location ID:	CD-13120	CD-13429	FC-15278	CS-06592	CS-06670	CS-06801	CS-06910	CS-07078
		Description:	Creek Debris	Creek Debris	Facility Clean-up	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/03/96	10/03/96	10/03/96	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	0.044	0.054	0.11	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 40	ND 100	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 8.0	ND 20	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.4	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	4.8	ND 10	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 4.0	ND 10	2.9	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CD-13120	CD-13429	FC-15278	CS-06592	CS-06670	CS-06801	CS-06910	CS-07078
		Description:	Creek Debris	Creek Debris	Facility Clean-up	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/03/96	10/03/96	10/03/96	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 4.0	71	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 4.0	ND 10	2.0	ND 1.0	ND 1.0	ND 1.0	1.3	ND 1.0
Fluorene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 32	ND 80	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 32	ND 80	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 8.0	ND 20	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	18	ND 10	2.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CD-13120*	*CD-13429*	*FC-15278*	*CS-06592*	*CS-06670*	*CS-06801*	*CS-06910*	*CS-07078*
		Description:	*Creek Debris*	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/03/96*	*10/03/96*	*10/03/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 20	ND 50	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 32	ND 80	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 32	ND 80	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	13	ND 10	1.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	33	15	4.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 4.0	ND 10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.57	ND 0.31	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.12	0.13J	0.10J	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.67	ND 0.19	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.12	ND 0.025	ND 0.034	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.12	0.099J	0.050J	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 1.0	ND 0.20	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.12	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.12	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.25	ND 0.089	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.12	ND 0.046	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.25	ND 0.097	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.25	ND 0.050	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.12	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.12	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.12	ND 0.025	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.42	ND 0.16	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.50	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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NIAGARA FALLS, NEW YORK

		Location ID:	CD-13120	CD-13429	FC-15278	CS-06592	CS-06670	CS-06801	CS-06910	CS-07078
		Description:	Creek Debris	Creek Debris	Facility Clean-up	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/03/96	10/03/96	10/03/96	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 12	ND 2.5	ND 2.5	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	0.12J	0.18J	0.14J	0.15J	0.14J
Aroclor-1260	mg/Kg	10	ND 1.2	ND 0.25	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.25	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	7.7	3.6	1.5	3.0	1.0	1.0	1.0	0.7
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	7.7	4.2	1.6	3.0	1.0	1.0	1.0	0.7
Total PeCDD	µg/Kg	1.0	6.1	3.2	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	1.6	3.3	0.6	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	0.7	0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	8.3	2.2	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	9.9	ND 2.2	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*CD-13120*	*CD-13429*	*FC-15278*	*CS-06592*	*CS-06670*	*CS-06801*	*CS-06910*	*CS-07078*
		Description:	*Creek Debris*	*Creek Debris*	*Facility Clean-up*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/03/96*	*10/03/96*	*10/03/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*	*10/17/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 2.0	ND 0.50	ND 1.0	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	0.50	0.57	0.61	0.85
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	0.0071	ND 0.0050	0.0065	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	0.32	0.17	0.37	0.22	0.26
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	0.23	0.37	ND 0.20	0.30	0.34
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.10	ND 0.20	ND 0.10	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	0.056	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	0.098	ND 0.050	0.085	0.051	0.065
Zinc	mg/L	5.3	0.23	0.26	ND 0.10	0.91	0.87	0.89	0.67	0.70
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-07109*	*CS-05935*	*CS-06145*	*CS-06471*	*CS-04072*	*CS-04169*	*CS-16512*	*CS-04222*	*CS-04305*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/17/96*	*10/18/96*	*10/18/96*	*10/18/96*	*10/23/96*	*10/23/96*	*10/23/96 (Dup. of CS-04169)*	*10/23/96*	*10/23/96*
	Units	*LDR Regulatory Limits*									
LDR Volatile Organics											
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	0.058	ND 0.025	0.073	0.049
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.072	ND 0.089	ND 0.12	ND 0.057	0.050	0.043	0.045	0.040	0.045
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-07109	CS-05935	CS-06145	CS-06471	CS-04072	CS-04169	CS-16512	CS-04222	CS-04305
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/17/96	10/18/96	10/18/96	10/18/96	10/23/96	10/23/96	10/23/96 (Dup. of CS-04169)	10/23/96	10/23/96
	Units	LDR Regulatory Limits									
LDR Volatile Organics (Cont.)											
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics											
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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NIAGARA FALLS, NEW YORK

		Location ID:	CS-07109	CS-05935	CS-06145	CS-06471	CS-04072	CS-04169	CS-16512	CS-04222	CS-04305
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/17/96	10/18/96	10/18/96	10/18/96	10/23/96	10/23/96	10/23/96 (Dup. of CS-04169)	10/23/96	10/23/96
	Units	LDR Regulatory Limits									
LDR Semi-Volatile Organics (Cont.)											
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	3.5	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS-07109	CS-05935	CS-06145	CS-06471	CS-04072	CS-04169	CS-16512	CS-04222	CS-04305
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/17/96	10/18/96	10/18/96	10/18/96	10/23/96	10/23/96	10/23/96 (Dup. of CS-04169)	10/23/96	10/23/96
	Units	LDR Regulatory Limits									
LDR Semi-Volatile Organics (Cont.)											
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs											
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.050	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	*CS-07109*	*CS-05935*	*CS-06145*	*CS-06471*	*CS-04072*	*CS-04169*	*CS-16512*	*CS-04222*	*CS-04305*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/17/96*	*10/18/96*	*10/18/96*	*10/18/96*	*10/23/96*	*10/23/96*	*10/23/96 (Dup. of CS-04169)*	*10/23/96*	*10/23/96*
	Units	*LDR Regulatory Limits*									
LDR Chlorinated Pesticides/PCBs (Cont.)											
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 2.5	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	0.12J	0.15J	ND 0.25	0.12J	0.19J	0.16J	0.17J	0.19J	0.13J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.25	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides											
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs											
2,3,7,8-TCDD	µg/Kg	NA	0.9	2.7	1.8	0.8	1.1	1.2	0.9	1.2	0.8
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs											
Total TCDD	µg/Kg	1.0	0.9	2.7	1.8	0.8	1.1	1.2	0.9	1.2	0.8
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-07109*	*CS-05935*	*CS-06145*	*CS-06471*	*CS-04072*	*CS-04169*	*CS-16512*	*CS-04222*	*CS-04305*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/17/96*	*10/18/96*	*10/18/96*	*10/18/96*	*10/23/96*	*10/23/96*	*10/23/96 (Dup. of CS-04169)*	*10/23/96*	*10/23/96*
	Units	*LDR Regulatory Limits*									
LDR TCLP Metals											
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 1.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	0.56	0.84	0.71	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	0.65
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	0.0094	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	0.25	0.22	0.36	0.19	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	0.31	0.24	1.1	0.49	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	0.010	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	0.071	ND 0.050	0.12	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.96	0.84	1.1	0.98	0.23	0.21	0.16	0.29	0.24
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-04585*	*CS-05085*	*CS-05087*	*CS-05261*	*CS-05460*	*CS-05576*	*CS-05673*	*CS-04460*	*CS-04612*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/29/96*	*10/29/96*
	Units	*LDR Regulatory Limits*									
LDR Volatile Organics											
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.31	ND 0.28
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.31	ND 0.28
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 3.1	ND 2.8
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	0.055	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.62	ND 0.56
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.31	ND 0.28
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.31	ND 0.28
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Methylene chloride	mg/Kg	30	0.049	0.045	0.086	0.036	0.11	0.11	0.11	ND 0.031	ND 0.028
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.62	ND 0.56
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028

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		Location ID:	CS-04585	CS-05085	CS-05087	CS-05261	CS-05460	CS-05576	CS-05673	CS-04460	CS-04612
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/29/96	10/29/96
	Units	LDR Regulatory Limits									
LDR Volatile Organics (Cont.)											
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.062	ND 0.056
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.031	ND 0.028
LDR Semi-Volatile Organics											
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 12	ND 11
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.5	ND 2.2
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1

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NIAGARA FALLS, NEW YORK

		Location ID:	CS-04585	CS-05085	CS-05087	CS-05261	CS-05460	CS-05576	CS-05673	CS-04460	CS-04612
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/29/96	10/29/96
	Units	LDR Regulatory Limits									
LDR Semi-Volatile Organics (Cont.)											
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 10	ND 8.9
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 10	ND 8.9
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.5	ND 2.2
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
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NIAGARA FALLS, NEW YORK

		Location ID:	CS-04585	CS-05085	CS-05087	CS-05261	CS-05460	CS-05576	CS-05673	CS-04460	CS-04612
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96	10/29/96	10/29/96
	Units	LDR Regulatory Limits									
LDR Semi-Volatile Organics (Cont.)											
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 6.2	ND 5.6
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 10	ND 8.9
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 10	ND 8.9
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.2	ND 1.1
LDR Chlorinated Pesticides/PCBs											
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CS-04585*	*CS-05085*	*CS-05087*	*CS-05261*	*CS-05460*	*CS-05576*	*CS-05673*	*CS-04460*	*CS-04612*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/29/96*	*10/29/96*
	Units	*LDR Regulatory Limits*									
LDR Chlorinated Pesticides/PCBs (Cont.)											
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.31	ND 0.28
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	0.12J	ND 0.10	0.12J	0.21J	0.14J	0.12J	0.17J	ND 0.10
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides											
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.42	ND 0.37
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.17	ND 0.15
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.083	ND 0.074
PCDDs and PCDFs											
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	ND 0.2	1.0	0.8	5.7	1.8	1.5	0.9	0.4
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs											
Total TCDD	µg/Kg	1.0	0.4	ND 0.2	1.0	0.8	5.7	1.8	1.5	0.9	0.4
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-04585*	*CS-05085*	*CS-05087*	*CS-05261*	*CS-05460*	*CS-05576*	*CS-05673*	*CS-04460*	*CS-04612*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/23/96*	*10/29/96*	*10/29/96*
	Units	*LDR Regulatory Limits*									
LDR TCLP Metals											
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	0.60	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.11	0.12	0.17	0.13	0.18	0.23	0.15	0.25	0.18
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-04902	CS-05183	CS-05381	CS-08993	CS-00336	CS-00478	CS-01089	CS-01397	CS-01428
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/29/96	10/29/96	10/29/96	10/29/96	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96
	Units	LDR Regulatory Limits									
LDR Volatile Organics											
Acetone	mg/Kg	160	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.32	ND 0.31	ND 0.31	ND 0.29	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.32	ND 0.31	ND 0.31	ND 0.29	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 3.2	ND 3.1	ND 3.1	ND 2.9	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.63	ND 0.62	ND 0.62	ND 0.57	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.32	ND 0.31	ND 0.31	ND 0.29	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.32	ND 0.31	ND 0.31	ND 0.29	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.63	ND 0.62	ND 0.62	ND 0.57	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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NIAGARA FALLS, NEW YORK

		Location ID:	CS-04902	CS-05183	CS-05381	CS-08993	CS-00336	CS-00478	CS-01089	CS-01397	CS-01428
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/29/96	10/29/96	10/29/96	10/29/96	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96
	Units	LDR Regulatory Limits									
LDR Volatile Organics (Cont.)											
Toluene	mg/Kg	10	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.063	ND 0.062	ND 0.062	ND 0.057	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.032	ND 0.031	ND 0.031	ND 0.029	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics											
Acenaphthene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 13	ND 12	ND 12	ND 11	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.3	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CS-04902*	*CS-05183*	*CS-05381*	*CS-08993*	*CS-00336*	*CS-00478*	*CS-01089*	*CS-01397*	*CS-01428*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/29/96*	*10/29/96*	*10/29/96*	*10/29/96*	*10/31/96*	*10/31/96*	*10/31/96*	*10/31/96*	*10/31/96*
	Units	*LDR Regulatory Limits*									
LDR Semi-Volatile Organics (Cont.)											
2,4-Dimethylphenol	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 10	ND 9.9	ND 10	ND 9.2	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 10	ND 9.9	ND 10	ND 9.2	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.5	ND 2.5	ND 2.5	ND 2.3	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
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		Location ID:	CS-04902	CS-05183	CS-05381	CS-08993	CS-00336	CS-00478	CS-01089	CS-01397	CS-01428
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/29/96	10/29/96	10/29/96	10/29/96	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96
	Units	LDR Regulatory Limits									
LDR Semi-Volatile Organics (Cont.)											
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 6.3	ND 6.2	ND 6.2	ND 5.7	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	6.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 10	ND 9.9	ND 10	ND 9.2	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 10	ND 9.9	ND 10	ND 9.2	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	16	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.3	ND 1.2	ND 1.2	ND 1.1	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs											
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	0.011	0.018	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.041	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.022	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	CS-04902	CS-05183	CS-05381	CS-08993	CS-00336	CS-00478	CS-01089	CS-01397	CS-01428
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 2	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/29/96	10/29/96	10/29/96	10/29/96	10/31/96	10/31/96	10/31/96	10/31/96	10/31/96
	Units	LDR Regulatory Limits									
LDR Chlorinated Pesticides/PCBs (Cont.)											
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.32	ND 0.31	ND 0.31	ND 0.29	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	ND 0.10	0.20J	0.19J	ND 0.10	ND 0.10	ND 0.10	ND 0.10	0.26J	0.21J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides											
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.42	ND 0.41	ND 0.42	ND 0.38	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.17	ND 0.16	ND 0.17	ND 0.15	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.084	ND 0.082	ND 0.083	ND 0.077	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs											
2,3,7,8-TCDD	µg/Kg	NA	0.5	1.0	3.1	ND 0.2	ND 0.2	ND 0.2	1.8	8.0	7.3
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs											
Total TCDD	µg/Kg	1.0	0.5	1.0	3.1	ND 0.2	ND 0.2	ND 0.2	1.8	8.0	7.3
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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NIAGARA FALLS, NEW YORK

		Location ID:	*CS-04902*	*CS-05183*	*CS-05381*	*CS-08993*	*CS-00336*	*CS-00478*	*CS-01089*	*CS-01397*	*CS-01428*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/29/96*	*10/29/96*	*10/29/96*	*10/29/96*	*10/31/96*	*10/31/96*	*10/31/96*	*10/31/96*	*10/31/96*
	Units	*LDR Regulatory Limits*									
LDR TCLP Metals											
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	0.56	ND 0.50	ND 0.50	ND 0.50	0.55
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.060	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.31	0.33	0.35	0.17	0.16	0.20	0.12	0.43	0.46
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
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NIAGARA FALLS, NEW YORK

		Location ID:	CS-02070	CS-02568	CS-02192	CS-03069	CS-03254	CS-03737	CS-03478	CS-03814
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/31/96	10/31/96	10/31/96	11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	0.052	0.051	0.051	0.049	0.11
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-02070	CS-02568	CS-02192	CS-03069	CS-03254	CS-03737	CS-03478	CS-03814
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/31/96	10/31/96	10/31/96	11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 20	ND 20
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.6J	ND 1.0	ND 2.0	ND 2.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.8J	ND 1.0	ND 2.0	ND 2.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.4J	ND 1.0	ND 2.0	ND 2.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.1J	ND 1.0	ND 2.0	ND 2.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	2.4J	ND 1.0	ND 2.0	ND 2.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS-02070	CS-02568	CS-02192	CS-03069	CS-03254	CS-03737	CS-03478	CS-03814
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/31/96	10/31/96	10/31/96	11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	5.6J	ND 1.0	ND 2.0	ND 2.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.7J	ND 1.0	ND 2.0	ND 2.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 16
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 16
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 4.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0

ANALYTICAL RESULTS SUMMARY
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NIAGARA FALLS, NEW YORK

		Location ID:	CS-02070	CS-02568	CS-02192	CS-03069	CS-03254	CS-03737	CS-03478	CS-03814
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/31/96	10/31/96	10/31/96	11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 10
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	8.4J	ND 1.0	ND 2.0	ND 2.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 16
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 16
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	4.9J	ND 1.0	ND 2.0	ND 2.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	0.016	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	CS-02070	CS-02568	CS-02192	CS-03069	CS-03254	CS-03737	CS-03478	CS-03814
		Description:	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1	Creek Sediment 1
		Collection Date:	10/31/96	10/31/96	10/31/96	11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.025	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	10	0.14J	0.12J	0.11J	0.17J	0.14J	0.84J	0.18J	0.21J
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	3.8	1.9	3.1	4.1	3.3	1.1	1.7	ND 0.2
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	3.8	1.9	3.1	4.1	3.3	1.1	1.7	ND 0.2
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CS-02070*	*CS-02568*	*CS-02192*	*CS-03069*	*CS-03254*	*CS-03737*	*CS-03478*	*CS-03814*
		Description:	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*	*Creek Sediment 1*
		Collection Date:	*10/31/96*	*10/31/96*	*10/31/96*	*11/05/96*	*11/05/96*	*11/05/96*	*11/05/96*	*11/05/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	0.072	0.068
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	ND 0.10	0.40	0.41	0.27	0.32	0.24	0.28	0.66
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CS2-08338	CS2-08761	CS2-08602	CS2-16612	CS2-09048	CS2-09230	CD-11741	HR-10535
		Description:	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Debris	Haul Roads
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96 (Dup of CS2-08602)	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	0.028	0.026	0.050	0.026	ND 0.025	0.041	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS2-08338	CS2-08761	CS2-08602	CS2-16612	CS2-09048	CS2-09230	CD-11741	HR-10535
		Description:	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Debris	Haul Roads
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96 (Dup of CS2-08602)	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	CS2-08338	CS2-08761	CS2-08602	CS2-16612	CS2-09048	CS2-09230	CD-11741	HR-10535
		Description:	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Debris	Haul Roads
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96 (Dup of CS2-08602)	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.6J	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	3.5J	1.3J
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Description:	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Debris	Haul Roads
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96 (Dup of CS2-08602)	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.2J	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.5J	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	0.076J	ND 0.013	ND 0.020	ND 0.016	0.014J	ND 0.010	0.19J	0.057J
delta-BHC	mg/Kg	0.066	0.022J	ND 0.010	0.018J	0.012J	ND 0.010	ND 0.010	0.020J	ND 0.033
beta-BHC	mg/Kg	0.066	ND 0.027	ND 0.010	ND 0.012	ND 0.013	ND 0.010	ND 0.010	ND 0.11	ND 0.045
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	0.068J
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	0.044J
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.025
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.025
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.033	ND 0.050
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.045	ND 0.025
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.050
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.025
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	0.022J	ND 0.025
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.012	ND 0.025
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.025	ND 0.020
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CS2-08338	CS2-08761	CS2-08602	CS2-16612	CS2-09048	CS2-09230	CD-11741	HR-10535
		Description:	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Sediment 2	Creek Debris	Haul Roads
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96 (Dup of CS2-08602)	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.25
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 1.2	ND 2.5
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.25
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.25
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.25
Aroclor-1254	mg/Kg	10	0.44J	0.22J	0.40J	0.31J	0.18J	0.13J	ND 0.12	ND 0.25
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.12	ND 0.25
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	1.0J	0.6J	1.0J	0.7J	0.4J	0.6J	2.8	1.9
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.7
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	0.2J	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	1.0J	0.6J	1.0J	0.7J	0.4J	0.9J	2.8	1.9
Total PeCDD	µg/Kg	1.0	0.5J	ND 0.5	0.7J	ND 0.5	ND 14	ND 9.1	ND 1.0	ND 0.5
Total HxCDD	µg/Kg	1.0	0.8J	ND 0.5	0.2J	ND 0.4	ND 0.2	ND 0.2	1.5	ND 0.7
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 1.3	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 49	ND 5.6	ND 22	ND 0.5	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CS2-08338*	*CS2-08761*	*CS2-08602*	*CS2-16612*	*CS2-09048*	*CS2-09230*	*CD-11741*	*HR-10535*
		Description:	*Creek Sediment 2*	*Creek Sediment 2*	*Creek Sediment 2*	*Creek Sediment 2*	*Creek Sediment 2*	*Creek Sediment 2*	*Creek Debris*	*Haul Roads*
		Collection Date:	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96 (Dup of CS2-08602)*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	0.50	ND 0.50	ND 0.50	ND 0.50	0.53	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.39	0.33	0.44	0.36	0.26	0.21	0.11	0.25
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	HR-10678	HR-10712	HR-10392	CD-10984	HR-10860	CD-11081	CD-11248	CD-11466
		Description:	Haul Roads	Haul Roads	Haul Roads	Creek Debris	Haul Roads	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	ND 0.025	0.031	0.035	0.049	0.048	0.053	0.050
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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		Description:	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Debris*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.0J	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	HR-10678	HR-10712	HR-10392	CD-10984	HR-10860	CD-11081	CD-11248	CD-11466
		Description:	Haul Roads	Haul Roads	Haul Roads	Creek Debris	Haul Roads	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.3J	ND 1.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	1.3J	ND 1.0	1.2J	1.3J	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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NIAGARA FALLS, NEW YORK

		Location ID:	*HR-10678*	*HR-10712*	*HR-10392*	*CD-10984*	*HR-10860*	*CD-11081*	*CD-11248*	*CD-11466*
		Description:	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Debris*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*
	Units	*LDR Regulatory Limits*								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.2J	ND 1.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	1.0J	ND 1.0	ND 1.0	1.4J	ND 1.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	ND 0.029	ND 0.068	ND 0.012	0.048J	ND 0.051	ND 0.020	ND 0.031	0.095J
delta-BHC	mg/Kg	0.066	ND 0.010	0.044J	ND 0.019	0.030J	ND 0.018	ND 0.010	ND 0.010	ND 0.012
beta-BHC	mg/Kg	0.066	ND 0.034	ND 0.041	ND 0.017	ND 0.036	ND 0.043	ND 0.026	ND 0.034	ND 0.066
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.012	ND 0.016	ND 0.012	ND 0.010	ND 0.010	ND 0.012
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	0.016J	0.033J	0.024J	ND 0.012	ND 0.010	ND 0.010	ND 0.012
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.012
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.012
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
4,4'-DDE	mg/Kg	0.087	ND 0.020	0.028J	0.026J	ND 0.025	ND 0.025	ND 0.020	ND 0.020	0.030J
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.031	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.021	ND 0.025
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
alpha-Endosulfan	mg/Kg	0.066	ND 0.012	ND 0.019	ND 0.018	ND 0.015	ND 0.019	ND 0.018	ND 0.019	ND 0.025
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
Endrin	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.025
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.012
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.012
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.012	ND 0.012	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.012
Kepone	mg/Kg	0.13	ND 0.020	ND 0.11	ND 0.080	ND 0.075	ND 0.075	ND 0.020	ND 0.049	ND 0.093
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	HR-10678	HR-10712	HR-10392	CD-10984	HR-10860	CD-11081	CD-11248	CD-11466
		Description:	Haul Roads	Haul Roads	Haul Roads	Creek Debris	Haul Roads	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96	11/13/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.12
Aroclor-1221	mg/Kg	10	ND 0.25	ND 1.2	ND 1.2	ND 1.2	ND 1.2	ND 0.25	ND 0.25	ND 1.2
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.12
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.12
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.12
Aroclor-1254	mg/Kg	10	0.27J	ND 0.12	ND 0.12	ND 0.12	ND 0.12	0.24J	0.34J	ND 0.12
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.12	ND 0.12	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.12
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	1.1	1.0	0.6J	1.3	1.3	1.7	1.3J	1.7
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	0.3J	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	1.1	1.0	0.6J	1.3	1.3	1.7	1.5J	1.7
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.7	ND 0.7	1.3J	0.6
Total HxCDD	µg/Kg	1.0	ND 1.7	ND 2.4	0.3J	ND 0.9	ND 0.2	1.6	2.2J	1.6
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.6	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	ND 27	ND 0.5	ND 0.5	ND 0.5	ND 0.6	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 1.0	ND 0.4

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NIAGARA FALLS, NEW YORK

		Location ID:	*HR-10678*	*HR-10712*	*HR-10392*	*CD-10984*	*HR-10860*	*CD-11081*	*CD-11248*	*CD-11466*
		Description:	*Haul Roads*	*Haul Roads*	*Haul Roads*	*Creek Debris*	*Haul Roads*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*	*11/13/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.22	0.47	0.23	0.50	0.30	0.26	0.20	0.15
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I REPORT
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	*CD-11569*	*CD-13020*	*CD-12695*	*CD-12708*	*CS2-08885*	*CD-12112*	*CD-12488*	*CD-11889*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/13/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*
	Units	*LDR Regulatory Limits*								
LDR Volatile Organics										
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	0.075	0.026	ND 0.025	0.026	ND 0.025	0.025	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

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NIAGARA FALLS, NEW YORK

		Location ID:	CD-11569	CD-13020	CD-12695	CD-12708	CS2-08885	CD-12112	CD-12488	CD-11889
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96
	Units	LDR Regulatory Limits								
LDR Volatile Organics (Cont.)										
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics										
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 20	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	1.1	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	1.3	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	1.9J	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	1.4J
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	7.5	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CD-11569	CD-13020	CD-12695	CD-12708	CS2-08885	CD-12112	CD-12488	CD-11889
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	15	R	R	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	2.7	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	2.7
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 4.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	12	ND 1.0	2.4	ND 1.0	1.5	ND 1.0	2.7
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	CD-11569	CD-13020	CD-12695	CD-12708	CS2-08885	CD-12112	CD-12488	CD-11889
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96
	Units	LDR Regulatory Limits								
LDR Semi-Volatile Organics (Cont.)										
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 10	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	2.5	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	3.2
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 16	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	2.1	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	2.4
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	5.7	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	17	ND 1.0	29	ND 1.0	ND 1.0	1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 2.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs										
Aldrin	mg/Kg	0.066	0.040J	ND 0.23	ND 0.031	ND 0.038	ND 0.010	0.098J	ND 0.017	0.21J
delta-BHC	mg/Kg	0.066	0.023J	ND 0.027	0.017J	0.039J	ND 0.010	ND 0.010	0.014J	ND 0.038
beta-BHC	mg/Kg	0.066	ND 0.025	ND 0.27	ND 0.016	ND 0.017	ND 0.010	ND 0.047	ND 0.044	ND 0.093
alpha-BHC	mg/Kg	0.066	ND 0.012	ND 0.063	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.025
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.012	0.098J	ND 0.012	0.016J	ND 0.010	ND 0.010	ND 0.010	ND 0.025
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20
gamma-Chlordane	mg/Kg	0.26	ND 0.012	ND 0.025	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.025
alpha-Chlordane	mg/Kg	0.26	ND 0.012	ND 0.025	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.025
2,4'-DDD	mg/Kg	0.087	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
4,4'-DDD	mg/Kg	0.087	ND 0.025	ND 0.075	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
2,4'-DDE	mg/Kg	0.087	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
4,4'-DDE	mg/Kg	0.087	ND 0.025	ND 0.057	ND 0.025	ND 0.025	ND 0.020	ND 0.22	ND 0.020	ND 0.053
2,4'-DDT	mg/Kg	0.087	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.034	ND 0.020	ND 0.057
4,4'-DDT	mg/Kg	0.087	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
alpha-Endosulfan	mg/Kg	0.066	ND 0.015	ND 0.073	ND 0.012	ND 0.020	ND 0.010	ND 0.020	ND 0.010	ND 0.078
Endosulfan sulfate	mg/Kg	0.13	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
Endrin	mg/Kg	0.13	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
Endrin aldehyde	mg/Kg	0.13	ND 0.025	ND 0.050	ND 0.025	ND 0.025	ND 0.020	ND 0.020	ND 0.020	ND 0.050
Heptachlor	mg/Kg	0.066	ND 0.012	ND 0.025	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.025
Heptachlor epoxide	mg/Kg	0.066	ND 0.012	ND 0.025	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	0.041J
Isodrin	mg/Kg	0.066	ND 0.012	ND 0.025	ND 0.012	ND 0.012	ND 0.010	ND 0.010	ND 0.010	ND 0.025
Kepone	mg/Kg	0.13	ND 0.046	ND 0.050	ND 0.025	ND 0.027	ND 0.020	ND 0.11	ND 0.020	ND 0.12
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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		Location ID:	CD-11569	CD-13020	CD-12695	CD-12708	CS2-08885	CD-12112	CD-12488	CD-11889
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Sediment 2	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/13/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96	11/14/96
	Units	LDR Regulatory Limits								
LDR Chlorinated Pesticides/PCBs (Cont.)										
Aroclor-1016	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Aroclor-1221	mg/Kg	10	ND 1.2	ND 2.5	ND 1.2	ND 1.2	ND 0.25	ND 0.25	ND 0.25	ND 2.5
Aroclor-1232	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Aroclor-1242	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Aroclor-1248	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Aroclor-1254	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Aroclor-1260	mg/Kg	10	ND 0.12	ND 0.25	ND 0.12	ND 0.12	ND 0.10	ND 0.10	ND 0.10	ND 0.25
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides										
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs										
2,3,7,8-TCDD	µg/Kg	NA	1.3	11	1.6	2.1	0.3J	1.8	1.3	3.1
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	1.8	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	0.8	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	µg/Kg	1.0	1.3	13	1.6	2.1	0.3J	1.8	1.3	3.1
Total PeCDD	µg/Kg	1.0	ND 0.5	5.6	ND 0.5	ND 0.5	ND 0.5	1.4	ND 3.1	0.9
Total HxCDD	µg/Kg	1.0	ND 0.2	14	ND 0.8	ND 1.2	ND 0.2	0.9	ND 0.8	ND 5.1
Total TCDF	µg/Kg	1.0	ND 0.4	1.7	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 0.5	1.8	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 6.3	ND 0.5
Total HxCDF	µg/Kg	1.0	ND 0.4	1.3	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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		Location ID:	*CD-11569*	*CD-13020*	*CD-12695*	*CD-12708*	*CS2-08885*	*CD-12112*	*CD-12488*	*CD-11889*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/13/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*
	Units	*LDR Regulatory Limits*								
LDR TCLP Metals										
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.21	0.25	0.21	0.18	0.26	0.15	0.15	0.20
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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		Location ID:	*CD-11372*	*CD-12211*	*CS-07226*	*CS2-07985*	*CD-14073*	*CD-14445*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/15/96*	*11/15/96*
	Units	*LDR Regulatory Limits*						
LDR Volatile Organics								
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
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		Location ID:	CD-11372	CD-12211	CS-07226	CS2-07985	CD-14073	CD-14445
		Description:	Creek Debris	Creek Debris	Creek Sediment 1	Creek Sediment 2	Creek Debris	Creek Debris
		Collection Date:	11/14/96	11/14/96	11/14/96	11/14/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Volatile Organics (Cont.)								
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics								
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 10	ND 10	ND 10	ND 20
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.1J	ND 2.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.6	2.3
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.1	2.3
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0

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NIAGARA FALLS, NEW YORK

		Location ID:	CD-11372	CD-12211	CS-07226	CS2-07985	CD-14073	CD-14445
		Description:	Creek Debris	Creek Debris	Creek Sediment 1	Creek Sediment 2	Creek Debris	Creek Debris
		Collection Date:	11/14/96	11/14/96	11/14/96	11/14/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Semi-Volatile Organics (Cont.)								
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Famphur	mg/Kg	15	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.3	ND 2.0
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 4.0
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	1.8	1.0	7.0	10
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0

ANALYTICAL RESULTS SUMMARY
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		Location ID:	CD-11372	CD-12211	CS-07226	CS2-07985	CD-14073	CD-14445
		Description:	Creek Debris	Creek Debris	Creek Sediment 1	Creek Sediment 2	Creek Debris	Creek Debris
		Collection Date:	11/14/96	11/14/96	11/14/96	11/14/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Semi-Volatile Organics (Cont.)								
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 10
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.2	ND 2.0
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 16
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 1.0	ND 1.0	1.3	ND 2.0
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 1.0	ND 1.0	4.6	6.5
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	ND 1.0	ND 1.0	13	26
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 2.0
LDR Chlorinated Pesticides/PCBs								
Aldrin	mg/Kg	0.066	ND 0.027	0.068J	ND 0.012	ND 0.053	ND 0.012	ND 0.16
delta-BHC	mg/Kg	0.066	ND 0.015	ND 0.024	ND 0.030	ND 0.012	0.10J	ND 0.21
beta-BHC	mg/Kg	0.066	ND 0.015	ND 0.010	ND 0.058	ND 0.049	ND 0.21	ND 0.32
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.025	ND 0.012	ND 0.057	ND 0.13
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	0.012J	ND 0.014	ND 0.012	0.076J	0.18J
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.20	ND 0.20
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.025	ND 0.025
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.025	ND 0.025
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.030	ND 0.025	ND 0.050	ND 0.050
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.025	ND 0.053	ND 0.050	ND 0.050
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.050
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.043	ND 0.025	ND 0.050	ND 0.050
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.025	ND 0.074	ND 0.067	ND 0.091
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.050
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.076
alpha-Endosulfan	mg/Kg	0.066	0.014J	ND 0.018	ND 0.019	ND 0.012	ND 0.043	ND 0.061
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.050
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.050
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	ND 0.025	ND 0.025	ND 0.050	ND 0.050
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.025	ND 0.025
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.025	ND 0.025
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	ND 0.012	ND 0.012	ND 0.025	ND 0.025
Kepone	mg/Kg	0.13	ND 0.025	ND 0.046	ND 0.034	ND 0.15	ND 0.083	ND 0.050
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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NIAGARA FALLS, NEW YORK

		Location ID:	CD-11372	CD-12211	CS-07226	CS2-07985	CD-14073	CD-14445
		Description:	Creek Debris	Creek Debris	Creek Sediment 1	Creek Sediment 2	Creek Debris	Creek Debris
		Collection Date:	11/14/96	11/14/96	11/14/96	11/14/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Chlorinated Pesticides/PCBs (Cont.)								
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	ND 1.2	ND 1.2	ND 2.5	ND 2.5
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	ND 0.12	ND 0.12	ND 0.25	ND 0.25
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides								
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs								
2,3,7,8-TCDD	µg/Kg	NA	0.8J	2.1	3.4	1.1	2.8	4.5
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs								
Total TCDD	µg/Kg	1.0	0.8J	2.1	3.4	1.1	2.8	5.9
Total PeCDD	µg/Kg	1.0	ND 0.7	ND 0.5	ND 13	0.4	1.2	1.5
Total HxCDD	µg/Kg	1.0	1.3J	2.3	6.8	ND 0.8	3.8	ND 2.1
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	ND 7.0	ND 0.5	ND 2.6	ND 11	1.6	2.1
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 1.8	ND 0.6	0.8	1.4

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*CD-11372*	*CD-12211*	*CS-07226*	*CS2-07985*	*CD-14073*	*CD-14445*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Sediment 1*	*Creek Sediment 2*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/14/96*	*11/14/96*	*11/14/96*	*11/14/96*	*11/15/96*	*11/15/96*
	Units	*LDR Regulatory Limits*						
LDR TCLP Metals								
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.50	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.40	0.13	0.43	0.22	0.18	0.34
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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		Location ID:	*CD-14674*	*CD-14391*	*CD-14522*	*CD-14157*	*CD-14247*	*CD-14739*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*
	Units	*LDR Regulatory Limits*						
LDR Volatile Organics								
Acetone	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,4-Dioxane	mg/Kg	170	R	R	R	R	R	R
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Isobutanol	mg/Kg	170	R	R	R	R	R	R
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Methylene chloride	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025

ANALYTICAL RESULTS SUMMARY
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		Location ID:	CD-14674	CD-14391	CD-14522	CD-14157	CD-14247	CD-14739
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Volatile Organics (Cont.)								
Toluene	mg/Kg	10	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
LDR Semi-Volatile Organics								
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	23	ND 10	ND 10	ND 20	ND 20	ND 10	ND 10
Aniline	mg/Kg	14	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	15	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	6.0	7.0	1.6	2.2J	5.3	3.2	4.4J
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	6.0	3.2	2.0	2.3J	3.5	1.8	3.4
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0

ANALYTICAL RESULTS SUMMARY
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OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK

		Location ID:	CD-14674	CD-14391	CD-14522	CD-14157	CD-14247	CD-14739
		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Semi-Volatile Organics (Cont.)								
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	6.4	ND 2.0	ND 2.0	7.1	1.6
Famphur	mg/Kg	15	R	R	R	R	R	R
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	1.4
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	ND 16	ND 16	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	ND 16	ND 16	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	ND 4.0	ND 4.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	10	11	6.1	8.6J	9.0	7.1	6.1
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0

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NIAGARA FALLS, NEW YORK

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		Description:	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris	Creek Debris
		Collection Date:	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96	11/15/96
	Units	LDR Regulatory Limits						
LDR Semi-Volatile Organics (Cont.)								
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	ND 10	ND 10	ND 5.0	ND 5.0
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	5.6	ND 1.0	1.0	ND 2.0	1.2	ND 1.0	1.1
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	ND 16	ND 16	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	ND 16	ND 16	ND 8.0	ND 8.0
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	ND 2.0	2.5	ND 1.0	1.1
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
Safrole	mg/Kg	22	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	5.9	3.8	5.7J	6.5	4.3	2.9
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	19	17	15	23J	25	15	9.9J
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	ND 2.0	ND 2.0	ND 1.0	ND 1.0
LDR Chlorinated Pesticides/PCBs								
Aldrin	mg/Kg	0.066	ND 0.34	ND 0.14	ND 0.14	ND 0.10	ND 0.24	ND 0.20
delta-BHC	mg/Kg	0.066	ND 0.34	ND 0.11	ND 0.14	ND 0.15	ND 0.14	ND 0.074
beta-BHC	mg/Kg	0.066	ND 0.24	ND 0.20	ND 0.15	ND 0.39	ND 0.35	ND 0.22
alpha-BHC	mg/Kg	0.066	ND 0.15	ND 0.076	ND 0.069	ND 0.086	ND 0.068	ND 0.053
gamma-BHC (Lindane)	mg/Kg	0.066	0.23J	0.10J	0.11J	0.13J	0.096J	0.13J
Chlordane	mg/Kg	0.26	ND 0.40	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
gamma-Chlordane	mg/Kg	0.26	ND 0.050	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
alpha-Chlordane	mg/Kg	0.26	ND 0.050	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
2,4'-DDD	mg/Kg	0.087	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4,4'-DDD	mg/Kg	0.087	ND 0.10	ND 0.050	ND 0.050	ND 0.055	ND 0.050	ND 0.050
2,4'-DDE	mg/Kg	0.087	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
4,4'-DDE	mg/Kg	0.087	ND 0.10	ND 0.050	0.052J	ND 0.050	ND 0.050	ND 0.050
2,4'-DDT	mg/Kg	0.087	ND 0.11	ND 0.059	ND 0.081	ND 0.076	ND 0.073	ND 0.051
4,4'-DDT	mg/Kg	0.087	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	R	R	R	R	R	R
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	0.13	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
alpha-Endosulfan	mg/Kg	0.066	ND 0.053	ND 0.039	ND 0.049	ND 0.056	ND 0.045	ND 0.045
Endosulfan sulfate	mg/Kg	0.13	ND 0.10	ND 0.050	ND 0.081	ND 0.050	ND 0.050	ND 0.050
Endrin	mg/Kg	0.13	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Endrin aldehyde	mg/Kg	0.13	ND 0.10	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Heptachlor	mg/Kg	0.066	ND 0.050	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Heptachlor epoxide	mg/Kg	0.066	ND 0.050	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Isodrin	mg/Kg	0.066	ND 0.050	ND 0.025	ND 0.025	ND 0.025	ND 0.025	ND 0.025
Kepone	mg/Kg	0.13	ND 0.13	ND 0.067	ND 0.067	ND 0.091	ND 0.12	ND 0.055
Methoxychlor	mg/Kg	0.18	ND 0.20	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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NIAGARA FALLS, NEW YORK

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		Description:	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*
	Units	*LDR Regulatory Limits*						
LDR Chlorinated Pesticides/PCBs (Cont.)								
Aroclor-1016	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1221	mg/Kg	10	ND 5.0	ND 2.5	ND 2.5	ND 2.5	ND 2.5	ND 2.5
Aroclor-1232	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1242	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1248	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1254	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1260	mg/Kg	10	ND 0.50	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
LDR Herbicides								
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070
PCDDs and PCDFs								
2,3,7,8-TCDD	µg/Kg	NA	7.8	2.2	2.3	1.0J	3.5	2.4
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs								
Total TCDD	µg/Kg	1.0	8.8	2.2	2.3	1.3J	3.5	2.4
Total PeCDD	µg/Kg	1.0	13	1.4	ND 1.8	ND 1.0	1.5	1.6
Total HxCDD	µg/Kg	1.0	21	1.7	1.5	ND 1.6	ND 4.8	ND 0.9
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	µg/Kg	1.0	7.3	ND 0.5	1.2	ND 0.5	2.0	ND 0.5
Total HxCDF	µg/Kg	1.0	4.1	0.8	1.7	ND 0.4	ND 0.4	ND 0.4

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NIAGARA FALLS, NEW YORK

		Location ID:	*CD-14674*	*CD-14391*	*CD-14522*	*CD-14157*	*CD-14247*	*CD-14739*
		Description:	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*	*Creek Debris*
		Collection Date:	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*	*11/15/96*
	Units	*LDR Regulatory Limits*						
LDR TCLP Metals								
Antimony	mg/L	2.1	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Barium	mg/L	7.6	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040	ND 0.040
Chromium	mg/L	0.86	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060	ND 0.060
Lead	mg/L	0.37	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020	ND 0.0020
Nickel	mg/L	5.0	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
Selenium	mg/L	0.16	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	0.30	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	0.078	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	5.3	0.20	0.32	0.34	0.16	ND 0.10	0.13
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

Notes:

Dup.	Field Duplicate.
J	Estimated.
LDR	Land Disposal Restriction.
NDx	Not detected at or above x.
PCBs	Polychlorinated Biphenyls.
PCDDs	Polychlorinated Dibenzo-p-dioxins.
PCDFs	Polychlorinated Dibenzofurans.
R	Rejected.
TCLP	Toxicity Characteristic Leaching Procedure.

APPENDIX C

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REVIEW

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REVIEW

OCCIDENTAL CHEMICAL CORPORATION

LOVE CANAL BAGGED WASTES

PHASE I SAMPLING PROGRAM

NIAGARA FALLS, NEW YORK

SEPTEMBER-NOVEMBER 1996

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ATTACHMENT A CHAIN OF CUSTODY FORMS

1.0 EXECUTIVE SUMMARY

Solid samples of Love Canal waste material were collected from bags stored in buildings located at the Occidental Chemical Corporation (OxyChem) Niagara Plant in Niagara Falls, New York from September 1996 through November 1996. All sampling and analyses were performed in accordance with Phase I of the June 1996 Sampling and Analysis Plan (SAP) approved by the United States Environmental Protection Agency (USEPA). All samples were submitted for F039 Land Disposal Restriction (LDR) list analyses.

Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs), Herbicides, Methanol, and Cyanide

All data were acceptable for their intended use.

Semi-Volatiles

Most data were acceptable for their intended use. The non-detect phenolic compound results were rejected for two samples due to poor surrogate recoveries. A non-detect pentachlorophenol result was rejected for one sample due to poor spike recoveries. All non-detect famphur results were rejected based on poor instrument response at the request of USEPA Region II based on Region II Contract Laboratory Program guidelines.

Pesticides/PCBs

Most data were acceptable for their intended use. Non-detect kepone results were rejected for 41 samples due to poor spike recoveries. All non-detect tris(2,3-dibromopropyl)phosphate results were rejected based on poor instrument response at the request of USEPA Region II based on Region II Contract Laboratory Program guidelines.

Volatiles

Most data were acceptable for their intended use. Non-detect isobutyl alcohol and 1,4-dioxane results were rejected based on poor instrument response at the request of USEPA Region II based on Region II Contract Laboratory Program guidelines.

Conclusion

Based on the assessment and validation of the analytical data provided, these data have been judged acceptable for their intended use with the exceptions and qualifications noted.

2.0 INTRODUCTION

One hundred and fifty four samples (including six field duplicates) were collected in support of Phase I of the SAP for the Love Canal bagged waste materials. The bagged materials are stored at OxyChem's Niagara Plant in Niagara Falls, New York. Sample collection was performed from September 1996 to November 1996. The samples were analyzed by Encotec Laboratory (Encotec) in Ann Arbor, Michigan. All samples were submitted for F039 LDR list analyses.

Copies of the chain of custody forms are included in Attachment A.

Summaries of the analysis program and the analytical results are provided in the Phase I report.

Samples were analyzed in accordance with the methods referenced in Table 1. The Quality Assurance/Quality Control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods. Additional validation guidance was referenced from the following documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" EPA 5400/R-94/012, February 1994; and

ii) "USEPA Contact Laboratory Program National Functional Guidelines for Inorganic Data Review", EPA-5400/R-94-013, February 1994.

3.0 QA/QC REVIEW

3.1 DISCUSSION

All data were reported with standard SW-846 deliverables. Accompanying raw data was also provided for selected laboratory reports. All PCDD/PCDF analyses were reported with raw data. All calibration results were assessed using the criteria specified in the analytical methods.

3.2 METHOD MODIFICATIONS

Due to chemical interactions associated with the treatment of the waste materials with lime during the bagging process, the procedures for cyanide and TCLP metals required slight modifications. Less sample was used for the cyanide analyses in order to minimize the chemical reactions. For TCLP metals, the samples and extraction fluid were manually stirred for one to two hours in open TCLP vessels in order to evolve the gases. The vessels were then sealed and tumbled for the remaining time required by the method.

The modifications do not affect the usability of the data for the Phase I program.

3.3 HOLDING TIMES

The holding time criteria specified in the analytical methods are noted in Table 1. Table 2 presents a summary of all collection, extraction, and analysis dates. All samples were extracted and analyzed within the recommended holding times. Due to outlying QC analyses, 11 samples submitted for PCDD/PCDF analyses, eight samples submitted for semi-volatile analyses, five samples submitted for pesticide/PCB analyses, 19 samples submitted for herbicide analyses, and 15 samples submitted for cyanide analyses were re-extracted and/or reanalyzed outside of holding times.

As holding time exceedances can introduce a low bias, all associated detected sample results were qualified as estimated. Non-detect sample results were judged acceptable without qualification since no gross holding time exceedances occurred.

All samples were properly transported and stored at 4°C (±2°C).

3.4 INSTRUMENT CALIBRATION

PCDDs/PCDFs

High resolution gas chromatography/low resolution mass spectrometry (HRGC/LRMS) instrumentation was properly tuned prior to sample analysis. Overall, calibration data showed adequate instrument sensitivity and calibration curves showed acceptable linearity. All ion abundance ratios were within the method-specified control limits.

Calibration verification standards were analyzed at the proper frequency and all native and labeled analyte concentrations were acceptable with the exception of the percent difference data for 1,2,3,4,7,8-HxCDD and 1,2,3,7,8,9-HxCDD from the January 7, 1997 calibration verification. These analytes were not detected in the associated samples and data qualification was not required. All ion abundance ratios were within the method-specified control limits for each PCDD/PCDF.

Gas Chromatograph/Mass Spectrometer (GC/MS) - Volatiles, Semi-Volatiles

The GC/MS instrumentation was properly tuned prior to sample analyses. Calibration data showed adequate instrument sensitivity, and calibration curves showed acceptable linearity with the following exceptions:

i) low instrument response was observed for isobutyl alcohol, 1,4-dioxane, and famphur. All associates sample results were non-detect and were

rejected based on poor instrument response at the request of USEPA Region II based on Region II Contract Laboratory Program guidelines; and

ii) initial and continuing calibration standard results indicated variability in instrument response for methylene chloride, 1,2-dibromo-3-chloropropane, bromomethane, ethyl acetate, 1,2-dibromoethane, cis-1,3-dichloropropene, diphenylamine, 2,4-dinitrophenol, hexachloropropene, and n-nitrosomethylethyamine. The relative response factors (RRFs) for these compounds were acceptable, indicating adequate sensitivity. Associated sample results were non-detect and would not have been affected by a change in instrument response.

Gas Chromatograph (GC) - Pesticides/PCBs, Herbicides, and TCLP Methanol

All pesticides/PCBs instrument evaluation standards demonstrated acceptable performance. All initial and continuing calibration data for the GC analyses showed adequate instrument sensitivity and linearity with the following exceptions:

i) continuing calibration standard results indicated slight variability in instrument response for the pesticides analyses. All associated data were non-detect and were judged to be acceptable based on adequate instrument response for the calibration standards; and

ii) low instrument response, high relative standard deviation (%RSD), and high percent difference (%D) values were reported for the pesticide tris-(2,3-dibromopropyl)phosphate, indicating non-linearity in the calibration curves and variability in the instrument response. The associated sample results were non-detect, and were rejected based on poor instrument response at the request of USEPA Region II based on Region II Contract Laboratory Program guidelines.

Metals - Inductively Coupled Plasma-Atomic Emission Spectrometer (ICP)

Calibration curves and initial calibration verification (ICV) and continuing calibration verification (CCV) standards were analyzed at the proper frequency.

The calibration curves were acceptable and all ICV and CCV recoveries were within the required control limits except for one low silver recovery. All associated sample results were non-detect, and were judged acceptable without qualification based on the marginally low recovery.

Interference check standards were analyzed at the proper frequency; all recoveries were acceptable except for two low thallium recoveries. All associated sample results were non-detect, and were judged acceptable without qualification based on the marginally low recoveries.

Metals - Atomic Absorption Spectrometer (AA)

All calibration curves originally consisted of a blank and six standards. The calibration curves were acceptable and all ICV and CCV recoveries were within the required control limits.

Cyanide

All calibrations were performed as required by the method. Initial and CCV standards were analyzed at the proper frequency and the results were acceptable.

3.5 INTERNAL STANDARD RECOVERIES - GC/MS ANALYSES

The proper internal standard (IS) compounds were added to all samples, blanks, standards, and spike samples prior to volatile and semi-volatile analyses. All IS recoveries evaluated were acceptable.

3.6 INTERNAL STANDARD RECOVERIES - PCDDs/PCDFs

A summary of the internal standard recoveries is presented in Table 3.

The proper internal standard compounds were added to all samples, matrix spike samples, and blanks prior to extraction. Internal standards were used to quantify the 2,3,7,8-substituted PCDDs/PCDFs present in the samples (isotope-dilution mass spectrometry) as well as to determine the overall method efficiency. All internal standard recoveries for the analytes of interest were acceptable.

3.7 CLEANUP STANDARD RECOVERIES - PCDDs/PCDFs

A summary of the cleanup standard recoveries is presented in Table 3.

The proper cleanup standard compound was added to all samples and blanks subsequent to extraction, but prior to fractionation. All recoveries showed acceptable analytical efficiency.

3.8 SURROGATE COMPOUND ANALYSES - ORGANICS

Surrogate were added to all samples, blanks, and QC samples prior to extraction and/or analysis.

A summary of surrogate recoveries is presented in Table 4. Surrogate recoveries met the acceptance criteria with the following exceptions:

i) low recoveries were reported for five samples for the volatile surrogate compound dibromofluoromethane. Associated detected results were

qualified as estimated; non-detect results were judged acceptable without qualification based on sufficient surrogate recovery;

ii) the semi-volatile analysis of samples HR-09581 and HR-10059 yielded one extremely low acid/phenol surrogate recovery. All associated results were non-detect and were rejected based on the poor analytical efficiency;

iii) due to sample matrix interference, no dibutylchlorendate recoveries were reported for four of the pesticide analyses. The alternate surrogate (TCMX) was reported for these analyses and all recoveries were acceptable; and

iv) due to sample dilution, surrogate recoveries could not be assessed for two samples for semi-volatiles analyses and 19 samples for pesticides/PCBs analyses. Analytical accuracy for these samples was assessed based on spike recoveries (see Sections 3.10 and 3.11).

3.9 METHOD BLANK ANALYSES

Method blanks were analyzed and/or extracted at the proper frequency for all parameters, and the results are summarized in Table 5. All method blank results were non-detect except for methylene chloride, which was detected at low levels in six of the volatile blanks. All associated positive sample results up to ten times the concentrations detected in the blanks were qualified non-detect.

3.10 MATRIX SPIKE/MATRIX SPIKE DUPLICATE ANALYSES

Matrix spikes (MS) were prepared and/or analyzed in duplicate with each batch of samples. A summary of the spike results is presented in Table 6.

All volatile, methanol, and cyanide spike recoveries and relative percent differences (RPDs) demonstrated acceptable analytical accuracy

and precision. The remaining spike recoveries showed acceptable analytical accuracy and precision with the following exceptions:

i) high lead and mercury RPDs were reported for four matrix spike/matrix spike duplicate (MS/MSD) analyses for metals. The associated sample results were non-detect, and were not impacted by the indicated variability;

ii) a high 2,4-D RPD was reported for the herbicides MS/MSD analysis of sample CS2-08221. The associated sample result was non-detect and was not impacted by the indicated variability;

iii) two PCDD/PCDF and several semi-volatiles and pesticides/PCBs MS/MSD analyses resulted in only one outlying recovery. If the RPD for the analysis was acceptable, the associated data were judged acceptable without qualification based on the acceptable recovery of the companion spike;

iv) high semi-volatile MS/MSD recoveries and RPDs were reported for three samples. All associated detected sample results were qualified as estimated; non-detect results would not be impacted by the indicated high bias and/or variability;

v) an extremely low pentachlorophenol MS/MSD recovery was reported for sample CS2-08221. The associated sample result was non-detect and was rejected based on the poor recovery;

vi) a high 2,3,7,8-TCDD RPD was reported for sample CS-05780. The associated sample result was qualified as estimated to reflect the indicated variability; and

vii) outlying pesticides/PCBs MS/MSD recoveries and RPDs were observed for all sample analyses. Based on overall outlying accuracy and precision data, the qualifiers were applied to all samples in the associated analytical batch as follows:

a) positive results associated with high MS/MSD recoveries and/or RPDs were qualified as estimated; non-detect data would not be impacted by the indicated high bias and/or variability. In addition, the detected PCB 1254 results associated with the samples were qualified as estimated based on the overall high bias observed in the sample pesticide MS/MSD analyses,

b) an extremely low kepone MSD recovery and high RPD were reported for sample CS-05780. Associated detected sample results were qualified as estimated. Based on sufficient analyte recovery in the MS, the non-detect data were judged acceptable without qualification,

c) extremely low kepone MS/MSD recoveries were reported for three samples. All associated sample results were non-detect and were rejected based on the poor recoveries,

d) a zero percent delta-BHC MS recovery and high RPD were reported for sample FC-14858. All associated detected sample results were qualified as estimated. Based on the acceptable MSD recovery, the MS recovery was considered anomalous and no qualification of the non-detect data was performed,

e) low methoxychlor MS/MSD recoveries were reported for samples CS2-08221 and FC-14858. All associated sample results were non-detect and were judged acceptable without qualification based on sufficient analyte recoveries, and

f) a low methoxychlor MSD and high RPD were reported for sample CS-09471. All associated sample results were non-detect and were judged acceptable without qualification based on sufficient analyte recovery.

3.11 BLANK SPIKE/BLANK SPIKE DUPLICATE (BS/BSD) ANALYSES

BS samples were prepared (usually in duplicate) and analyzed with each batch of samples. The results are summarized in Table 7. All BS/BSD analyses for PCDDs/PCDFs, volatiles, methanol, and cyanide were acceptable. All remaining recoveries and RPDs demonstrated acceptable analytical accuracy and precision with the following exceptions:

i) BS/BSD analyses resulted in only one outlying recovery for many analyses. If the RPD for the analysis was acceptable, the associated data were judged acceptable without qualification based on the acceptable recovery of the companion spike;

ii) extremely low BSD recoveries and high RPDs were reported for all three herbicides of interest on October 4, 1996. All associated sample results were non-detect. Based on the acceptable BS recoveries, the BSD recoveries were considered anomalous and the data were judged acceptable without qualification;

iii) low 2,4-D BS/BSD recoveries were reported for the herbicide analysis performed on October 10, 1996. All associated sample results were non-detect, and were judged acceptable without qualification based on sufficient analyte recovery;

iv) high kepone RPDs were reported for two pesticides/PCBs BS/BSD analyses. All associated sample results were non-detect and were not impacted; and

v) several semi-volatile BS/BSD recoveries and RPDs were outside of the specified limits. Associated detected data were qualified as estimated. All associated non-detect data were either not impacted or were judged acceptable without qualification based on sufficient analyte recovery.

3.12 ANALYTE IDENTIFICATION AND QUANTITATION

Analyte identification and quantitation was performed according to the methods.

In addition, total PCDD and total PCDF concentrations represent the sum of all analytes which meet the identification criteria and may include non-2,3,7,8-substituted PCDD/PCDF analytes for which the instrument was not calibrated. Total PCDD/PCDF concentrations in these cases are identified in the analytical results summary by the total PCDD/PCDF concentration being greater than the total concentration for the corresponding 2,3,7,8-substituted analyte(s), and should be considered estimated.

3.13 FIELD QA/QC

Field Duplicate Analyses

Six samples were collected in duplicate and submitted to the laboratory for analysis. A comparison of the field duplicate results is presented in Table 8. The results outside of estimated regions of detection showed acceptable analytical and sampling precision.

4.0 CONCLUSION

Based on the assessment and validation of the analytical data provided, these data have been judged acceptable for their intended use with the exceptions and qualifications noted.

TABLES

TABLE 1

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

Parameter	*Analytical Method (1)*	*Collection to TCLP Extraction*	*Holding Time Criteria*	
			Collection to Extraction (days)	*Extraction/Collection to Analysis (days)*
Total Cyanide	9010	-	-	14
LDR TCLP Metals (except Mercur	1311/6010	180	-	180
TCLP Mercury	1311/7470	28	-	28
TCLP Methanol	1311/8015	14	-	14
LDR Pesticides/PCBs	8081	-	14	40
LDR Herbicides	8151	-	14	40
LDR VOCs	8015	-	-	14
LDR SVOCs	8270B	-	14	40
LDR PCDDs/PCDFs	8280	-	30	45

Notes:

Methodology References:

(1) USEPA SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", 3rd Edition, September, 1986 and subsequent revisions.

LDR Land Disposal Restriction.

PCBs Polychlorinated Biphenyls.

SVOCs Semi-Volatile Organic Compounds.

TCLP Toxicity Characteristic Leaching Procedure.

VOCs Volatile Organic Compounds.

PCDDs Polychlorinated Dibenzo-p-dioxins.

PCDFs Polychlorinated Dibenzofurans.

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days) to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Volatiles							
CS-00116	09/10/96	-	-	09/21/96	-	-	0
CS-00631	09/10/96	-	-	09/21/96	-	-	0
CS-02785	09/10/96	-	-	09/21/96	-	-	0
CS-04759	09/10/96	-	-	09/21/96	-	-	0
CS-05780	09/10/96	-	-	09/21/96	-	-	0
CS-06722	09/10/96	-	-	09/21/96	-	-	0
CS2-08011	09/10/96	-	-	09/21/96	-	-	0
CS2-09110	09/10/96	-	-	09/21/96	-	-	0
CS2-16100	09/10/96	-	-	09/21/96	-	-	0
HR-10425	09/10/96	-	-	09/21/96	-	-	0
CD-11120	09/10/96	-	-	09/21/96	-	-	0
CD-12533	09/10/96	-	-	09/21/96	-	-	0
CD-13528	09/10/96	-	-	09/21/96	-	-	0
CD-13874	09/10/96	-	-	09/21/96	-	-	0
FC-14949	09/10/96	-	-	09/21/96	-	-	0
CS-01144	09/12/96	-	-	09/22/96	-	-	0
CS-01859	09/12/96	-	-	09/22/96	-	-	0
CS-02425	09/12/96	-	-	09/22/96	-	-	0
CS-03526	09/12/96	-	-	09/22/96	-	-	0
CS-03907	09/12/96	-	-	09/22/96	-	-	0
CS-06037	09/12/96	-	-	09/22/96	-	-	0
HR-09581	09/12/96	-	-	09/22/96	-	-	0
HR-09838	09/12/96	-	-	09/22/96	-	-	0
CD-12367	09/12/96	-	-	09/22/96	-	-	0
FC-15319	09/12/96	-	-	09/22/96	-	-	0
CS2-08432	09/12/96	-	-	09/22/96	-	-	0
CS2-08199	09/12/96	-	-	09/22/96	-	-	0
HR-10241	09/12/96	-	-	09/22/96	-	-	0
CD-11912	09/12/96	-	-	09/22/96	-	-	0
CD-13395	09/12/96	-	-	09/22/96	-	-	0
FC-15421	09/17/96	-	-	09/23/96	-	-	0
FC-15171	09/17/96	-	-	09/23/96	-	-	0
FC-15085	09/17/96	-	-	09/23/96	-	-	0
CD-13645	09/17/96	-	-	09/23/96	-	-	0
CD-12055	09/17/96	-	-	09/23/96	-	-	0
HR-10059	09/17/96	-	-	09/23/96	-	-	0
CS2-08529	09/17/96	-	-	09/23/96	-	-	0
CS2-09329	09/17/96	-	-	09/23/96	-	-	0
HR-10125	09/17/96	-	-	09/23/96	-	-	0
CS2-16212	09/17/96	-	-	09/23/96	-	-	0
FC-14858	09/17/96	-	-	09/23/96	-	-	0
CD-13780	09/17/96	-	-	09/23/96	-	-	0
CS-02936	09/17/96	-	-	09/23/96	-	-	0
CS-02222	09/17/96	-	-	09/23/96	-	-	0
CS-01935	09/17/96	-	-	09/23/96	-	-	0
CS-02868	09/17/96	-	-	09/23/96	-	-	0
CS-00061	09/19/96	-	-	09/24/96	-	-	0
CS-00273	09/19/96	-	-	09/24/96	-	-	0
CS-00897	09/19/96	-	-	09/24/96	-	-	0
CS-00996	09/19/96	-	-	09/24/96	-	-	0
CS-00501	09/19/96	-	-	09/24/96	-	-	0
CS-00774	09/19/96	-	-	09/24/96	-	-	0
CS-01250	09/19/96	-	-	09/24/96	-	-	0
CS-01506	09/19/96	-	-	09/24/96	-	-	0
CS-01692	09/19/96	-	-	09/24/96	-	-	0
CS-02383	09/19/96	-	-	09/24/96	-	-	0
CS-02622	09/19/96	-	-	09/24/96	-	-	0
CS-09471	09/19/96	-	-	09/24/96	-	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Volatiles (Cont.)							
CS-01768	09/26/96	-	-	10/10/96	-	-	0
CS-03180	09/26/96	-	-	10/10/96	-	-	0
CS-03365	09/26/96	-	-	10/10/96	-	-	0
CS-03693	09/26/96	-	-	10/09/96	-	-	0
CS-04836	09/26/96	-	-	10/09/96	-	-	0
CS-16312	09/26/96	-	-	10/09/96	-	-	0
CS-05863	09/26/96	-	-	10/09/96	-	-	0
CS-16412	09/26/96	-	-	10/10/96	-	-	0
CS-06387	09/26/96	-	-	10/10/96	-	-	0
CS-06226	09/26/96	-	-	10/10/96	-	-	0
HR-09670	09/26/96	-	-	10/10/96	-	-	0
HR-09705	09/26/96	-	-	10/10/96	-	-	0
HR-09904	09/26/96	-	-	10/10/96	-	-	0
CS2-08221	10/03/96	-	-	10/11/96	-	-	0
CD-12880	10/03/96	-	-	10/11/96	-	-	0
CD-12921	10/03/96	-	-	10/11/96	-	-	0
CD-13282	10/03/96	-	-	10/11/96	-	-	0
CD-13120	10/03/96	-	-	10/11/96	-	-	0
CD-13429	10/03/96	-	-	10/11/96	-	-	0
FC-15278	10/03/96	-	-	10/11/96	-	-	0
CS-06592	10/17/96	-	-	10/28/96	-	-	0
CS-06670	10/17/96	-	-	10/28/96	-	-	0
CS-06801	10/17/96	-	-	10/28/96	-	-	0
CS-06910	10/17/96	-	-	10/28/96	-	-	0
CS-07078	10/17/96	-	-	10/28/96	-	-	0
CS-07109	10/17/96	-	-	10/28/96	-	-	0
CS-05935	10/18/96	-	-	10/29/96	-	-	0
CS-06145	10/18/96	-	-	10/29/96	-	-	0
CS-06471	10/18/96	-	-	10/28/96	-	-	0
CS-04072	10/23/96	-	-	11/06/96	-	-	0
CS-04169	10/23/96	-	-	11/06/96	-	-	0
CS-16512	10/23/96	-	-	11/06/96	-	-	0
CS-04222	10/23/96	-	-	11/06/96	-	-	0
CS-04305	10/23/96	-	-	11/06/96	-	-	0
CS-04585	10/23/96	-	-	11/06/96	-	-	0
CS-05085	10/23/96	-	-	11/06/96	-	-	0
CS-05087	10/23/96	-	-	11/06/96	-	-	0
CS-05261	10/23/96	-	-	11/06/96	-	-	0
CS-05460	10/23/96	-	-	11/06/96	-	-	0
CS-05576	10/23/96	-	-	11/06/96	-	-	0
CS-05673	10/23/96	-	-	11/06/96	-	-	0
CS-04460	10/29/96	-	-	11/10/96	-	-	0
CS-04612	10/29/96	-	-	11/10/96	-	-	0
CS-04902	10/29/96	-	-	11/12/96	-	-	0
CS-05183	10/29/96	-	-	11/10/96	-	-	0
CS-05381	10/29/96	-	-	11/12/96	-	-	0
CS-08993	10/29/96	-	-	11/12/96	-	-	0
CS-00336	10/31/96	-	-	11/13/96	-	-	0
CS-00478	10/31/96	-	-	11/13/96	-	-	0
CS-01089	10/31/96	-	-	11/13/96	-	-	0
CS-01397	10/31/96	-	-	11/13/96	-	-	0
CS-01428	10/31/96	-	-	11/13/96	-	-	0
CS-02070	10/31/96	-	-	11/13/96	-	-	0
CS-02568	10/31/96	-	-	11/13/96	-	-	0
CS-02192	10/31/96	-	-	11/13/96	-	-	0
CS-03069	11/05/96	-	-	11/15/96	-	-	0
CS-03254	11/05/96	-	-	11/15/96	-	-	0
CS-03737	11/05/96	-	-	11/15/96	-	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days) to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Volatiles (Cont.)							
CS-03478	11/05/96	-	-	11/15/96	-	-	0
CS-03814	11/05/96	-	-	11/15/96	-	-	0
CS2-08338	11/13/96	-	-	11/27/96	-	-	0
CS2-08761	11/13/96	-	-	11/27/96	-	-	0
CS2-08602	11/13/96	-	-	11/27/96	-	-	0
CS2-16612	11/13/96	-	-	11/27/96	-	-	0
CS2-09048	11/13/96	-	-	11/27/96	-	-	0
CS2-09230	11/13/96	-	-	11/27/96	-	-	0
CD-11741	11/13/96	-	-	11/27/96	-	-	0
HR-10535	11/13/96	-	-	11/27/96	-	-	0
HR-10678	11/13/96	-	-	11/27/96	-	-	0
HR-10712	11/13/96	-	-	11/27/96	-	-	0
HR-10392	11/13/96	-	-	11/27/96	-	-	0
CD-10984	11/13/96	-	-	11/27/96	-	-	0
HR-10860	11/13/96	-	-	11/27/96	-	-	0
CD-11081	11/13/96	-	-	11/27/96	-	-	0
CD-11248	11/13/96	-	-	11/27/96	-	-	0
CD-11466	11/13/96	-	-	11/27/96	-	-	0
CD-11569	11/13/96	-	-	11/27/96	-	-	0
CD-13020	11/14/96	-	-	11/27/96	-	-	0
CD-12695	11/14/96	-	-	11/28/96	-	-	0
CD-12708	11/14/96	-	-	11/28/96	-	-	0
CS2-08885	11/14/96	-	-	11/28/96	-	-	0
CD-12112	11/14/96	-	-	11/28/96	-	-	0
CD-12488	11/14/96	-	-	11/28/96	-	-	0
CD-11889	11/14/96	-	-	11/28/96	-	-	0
CD-11372	11/14/96	-	-	11/28/96	-	-	0
CD-12211	11/14/96	-	-	11/28/96	-	-	0
CS-07226	11/14/96	-	-	11/28/96	-	-	0
CS2-07985	11/14/96	-	-	11/28/96	-	-	0
CD-14073	11/15/96	-	-	11/29/96	-	-	0
CD-14445	11/15/96	-	-	11/29/96	-	-	0
CD-14674	11/15/96	-	-	11/29/96	-	-	0
CD-14391	11/15/96	-	-	11/29/96	-	-	0
CD-14522	11/15/96	-	-	11/29/96	-	-	0
CD-14157	11/15/96	-	-	11/29/96	-	-	0
CD-14247	11/15/96	-	-	11/29/96	-	-	0
CD-14739	11/15/96	-	-	11/28/96	-	-	0
LDR Semi-Volatiles							
CS-00116	09/10/96	-	09/12/96	09/17/96	-	0	0
CS-00631	09/10/96	-	09/12/96	09/18/96	-	0	0
CS-02785	09/10/96	-	09/12/96	09/18/96	-	0	0
CS-04759	09/10/96	-	09/12/96	09/18/96	-	0	0
CS-05780	09/10/96	-	09/12/96	09/18/96	-	0	0
CS-06722	09/10/96	-	09/12/96	09/18/96	-	0	0
CS2-08011	09/10/96	-	09/12/96	09/18/96	-	0	0
CS2-09110	09/10/96	-	09/12/96	09/18/96	-	0	0
CS2-16100	09/10/96	-	09/12/96	09/18/96	-	0	0
HR-10425	09/10/96	-	09/12/96	09/18/96	-	0	0
CD-11120	09/10/96	-	09/12/96	09/18/96	-	0	0
CD-12533	09/10/96	-	09/12/96	09/18/96	-	0	0
CD-13528	09/10/96	-	09/12/96	09/18/96	-	0	0
CD-13874	09/10/96	-	09/12/96	09/18/96	-	0	0
FC-14949	09/10/96	-	09/12/96	09/18/96	-	0	0
CS-01144	09/12/96	-	09/18/96	09/20/96	-	0	0
CS-01859	09/12/96	-	09/18/96	09/20/96	-	0	0
CS-02425	09/12/96	-	09/18/96	09/20/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Semi-Volatiles (Cont.)							
CS-03526	09/12/96	-	09/18/96	09/20/96	-	0	0
CS-03907	09/12/96	-	09/18/96	09/20/96	-	0	0
CS-06037	09/12/96	-	09/18/96	09/20/96	-	0	0
HR-09581	09/12/96	-	09/26/96	09/30/96	-	0	0
HR-09838	09/12/96	-	09/18/96	09/21/96	-	0	0
CD-12367	09/12/96	-	09/18/96	09/21/96	-	0	0
FC-15319	09/12/96	-	09/18/96	09/21/96	-	0	0
CS2-08432	09/12/96	-	09/18/96	09/26/96	-	0	0
CS2-08199	09/12/96	-	09/18/96	09/21/96	-	0	0
HR-10241	09/12/96	-	09/18/96	09/25/96	-	0	0
CD-11912	09/12/96	-	09/18/96	09/21/96	-	0	0
CD-13395	09/12/96	-	09/18/96	09/26/96	-	0	0
FC-15421	09/17/96	-	09/20/96	10/01/96	-	0	0
FC-15171	09/17/96	-	09/20/96	10/01/96	-	0	0
FC-15085	09/17/96	-	09/20/96	10/01/96	-	0	0
CD-13645	09/17/96	-	09/20/96	10/02/96	-	0	0
CD-12055	09/17/96	-	09/20/96	10/02/96	-	0	0
HR-10059	09/17/96	-	09/20/96	10/02/96	-	0	0
CS2-08529	09/17/96	-	09/20/96	10/02/96	-	0	0
CS2-09329	09/17/96	-	09/20/96	10/02/96	-	0	0
HR-10125	09/17/96	-	10/03/96	10/07/96	-	2	0
CS2-16212	09/17/96	-	09/20/96	10/02/96	-	0	0
FC-14858	09/17/96	-	09/20/96	10/02/96	-	0	0
CD-13780	09/17/96	-	09/20/96	10/03/96	-	0	0
CS-02936	09/17/96	-	09/20/96	10/02/96	-	0	0
CS-02222	09/17/96	-	09/20/96	10/02/96	-	0	0
CS-01935	09/17/96	-	09/20/96	10/03/96	-	0	0
CS-02868	09/17/96	-	09/20/96	10/03/96	-	0	0
CS-00061	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-00273	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-00897	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-00996	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-00501	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-00774	09/19/96	-	09/24/96	10/04/96	-	0	0
CS-01250	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-01506	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-01692	09/19/96	-	09/24/96	10/04/96	-	0	0
CS-02383	09/19/96	-	09/24/96	10/03/96	-	0	0
CS-02622	09/19/96	-	09/24/96	10/04/96	-	0	0
CS-09471	09/19/96	-	09/24/96	10/04/96	-	0	0
CS-01768	09/26/96	-	10/04/96	10/14/96	-	0	0
CS-03180	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-03365	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-03693	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-04836	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-16312	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-05863	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-16412	09/26/96	-	10/04/96	10/10/96	-	0	0
CS-06387	09/26/96	-	10/04/96	10/10/96	-	0	0
CS-06226	09/26/96	-	10/04/96	10/10/96	-	0	0
HR-09670	09/26/96	-	10/04/96	10/10/96	-	0	0
HR-09705	09/26/96	-	10/11/96	10/15/96	-	1	0
HR-09904	09/26/96	-	10/04/96	10/10/96	-	0	0
CS2-08221	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-12880	10/03/96	-	10/09/96	10/11/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Semi-Volatiles (Cont.)							
CD-12921	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-13282	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-13120	10/03/96	-	10/09/96	10/15/96	-	0	0
CD-13429	10/03/96	-	10/09/96	10/15/96	-	0	0
FC-15278	10/03/96	-	10/09/96	10/11/96	-	0	0
CS-06592	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06670	10/17/96	-	10/23/96	10/29/96	-	0	0
CS-06801	10/17/96	-	10/23/96	10/29/96	-	0	0
CS-06910	10/17/96	-	10/23/96	10/29/96	-	0	0
CS-07078	10/17/96	-	10/23/96	10/25/96	-	0	0
CS-07109	10/17/96	-	10/26/96	10/28/96	-	0	0
CS-05935	10/18/96	-	10/23/96	10/29/96	-	0	0
CS-06145	10/18/96	-	10/23/96	10/29/96	-	0	0
CS-06471	10/18/96	-	10/23/96	10/29/96	-	0	0
CS-04072	10/23/96	-	10/29/96	11/07/96	-	0	0
CS-04169	10/23/96	-	10/29/96	11/06/96	-	0	0
CS-16512	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-04222	10/23/96	-	10/29/96	11/07/96	-	0	0
CS-04305	10/23/96	-	10/29/96	11/07/96	-	0	0
CS-04585	10/23/96	-	10/29/96	11/06/96	-	0	0
CS-05085	10/23/96	-	10/29/96	11/07/96	-	0	0
CS-05087	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-05261	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-05460	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-05576	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-05673	10/23/96	-	10/29/96	11/05/96	-	0	0
CS-04460	10/29/96	-	11/04/96	11/09/96	-	0	0
CS-04612	10/29/96	-	11/04/96	11/09/96	-	0	0
CS-04902	10/29/96	-	11/04/96	11/09/96	-	0	0
CS-05183	10/29/96	-	11/04/96	11/11/96	-	0	0
CS-05381	10/29/96	-	11/04/96	11/11/96	-	0	0
CS-08993	10/29/96	-	11/04/96	11/11/96	-	0	0
CS-00336	10/31/96	-	11/04/96	11/11/96	-	0	0
CS-00478	10/31/96	-	11/04/96	11/11/96	-	0	0
CS-01089	10/31/96	-	11/04/96	11/17/96	-	0	0
CS-01397	10/31/96	-	11/04/96	11/12/96	-	0	0
CS-01428	10/31/96	-	11/04/96	11/12/96	-	0	0
CS-02070	10/31/96	-	11/04/96	11/12/96	-	0	0
CS-02568	10/31/96	-	11/04/96	11/12/96	-	0	0
CS-02192	10/31/96	-	11/04/96	11/12/96	-	0	0
CS-03069	11/05/96	-	11/22/96	11/27/96	-	3	0
CS-03254	11/05/96	-	11/22/96	11/27/96	-	3	0
CS-03737	11/05/96	-	11/22/96	11/27/96	-	3	0
CS-03478	11/05/96	-	11/22/96	11/27/96	-	3	0
CS-03814	11/05/96	-	11/22/96	11/27/96	-	3	0
CS2-08338	11/13/96	-	11/23/96	12/03/96	-	0	0
CS2-08761	11/13/96	-	11/23/96	12/02/96	-	0	0
CS2-08602	11/13/96	-	11/23/96	12/03/96	-	0	0
CS2-16612	11/13/96	-	11/23/96	12/04/96	-	0	0
CS2-09048	11/13/96	-	11/27/96	12/03/96	-	0	0
CS2-09230	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-11741	11/13/96	-	11/23/96	12/04/96	-	0	0
HR-10535	11/13/96	-	11/23/96	12/03/96	-	0	0
HR-10678	11/13/96	-	11/23/96	12/03/96	-	0	0
HR-10712	11/13/96	-	11/23/96	12/03/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Semi-Volatiles (Cont.)							
HR-10392	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-10984	11/13/96	-	11/23/96	12/03/96	-	0	0
HR-10860	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-11081	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-11248	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-11466	11/13/96	-	11/23/96	12/03/96	-	0	0
CD-11569	11/13/96	-	11/23/96	12/02/96	-	0	0
CD-13020	11/14/96	-	11/27/96	12/04/96	-	0	0
CD-12695	11/14/96	-	11/27/96	12/04/96	-	0	0
CD-12708	11/14/96	-	11/27/96	12/05/96	-	0	0
CS2-08885	11/14/96	-	11/27/96	12/04/96	-	0	0
CD-12112	11/14/96	-	11/27/96	12/04/96	-	0	0
CD-12488	11/14/96	-	11/27/96	12/05/96	-	0	0
CD-11889	11/14/96	-	11/27/96	12/05/96	-	0	0
CD-11372	11/14/96	-	11/27/96	12/06/96	-	0	0
CD-12211	11/14/96	-	11/27/96	12/06/96	-	0	0
CS-07226	11/14/96	-	11/27/96	12/06/96	-	0	0
CS2-07985	11/14/96	-	11/27/96	12/06/96	-	0	0
CD-14073	11/15/96	-	11/27/96	12/06/96	-	0	0
CD-14445	11/15/96	-	11/27/96	12/06/96	-	0	0
CD-14674	11/15/96	-	11/27/96	12/06/96	-	0	0
CD-14391	11/15/96	-	11/27/96	12/06/96	-	0	0
CD-14522	11/15/96	-	12/13/96	12/15/96	-	14	0
CD-14157	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14247	11/15/96	-	11/27/96	12/06/96	-	0	0
CD-14739	11/15/96	-	11/27/96	12/04/96	-	0	0
LDR Pesticides/PCBs							
CS-00116	09/10/96	-	09/12/96	09/16/96	-	0	0
CS-00631	09/10/96	-	09/12/96	09/16/96	-	0	0
CS-02785	09/10/96	-	09/12/96	09/16/96	-	0	0
CS-04759	09/10/96	-	09/12/96	09/17/96	-	0	0
CS-05780	09/10/96	-	09/12/96	09/16/96	-	0	0
CS-06722	09/10/96	-	09/12/96	09/17/96	-	0	0
CS2-08011	09/10/96	-	09/12/96	09/17/96	-	0	0
CS2-09110	09/10/96	-	09/12/96	09/17/96	-	0	0
CS2-16100	09/10/96	-	09/12/96	09/19/96	-	0	0
HR-10425	09/10/96	-	09/12/96	09/17/96	-	0	0
CD-11120	09/10/96	-	09/12/96	09/17/96	-	0	0
CD-12533	09/10/96	-	09/12/96	09/17/96	-	0	0
CD-13528	09/10/96	-	09/12/96	09/19/96	-	0	0
CD-13874	09/10/96	-	09/12/96	09/19/96	-	0	0
FC-14949	09/10/96	-	09/12/96	09/17/96	-	0	0
CS-01144	09/12/96	-	09/18/96	09/21/96	-	0	0
CS-01859	09/12/96	-	09/18/96	09/21/96	-	0	0
CS-02425	09/12/96	-	09/18/96	09/21/96	-	0	0
CS-03526	09/12/96	-	09/18/96	09/21/96	-	0	0
CS-03907	09/12/96	-	09/18/96	09/21/96	-	0	0
CS-06037	09/12/96	-	09/18/96	09/21/96	-	0	0
HR-09581	09/12/96	-	09/18/96	09/21/96	-	0	0
HR-09838	09/12/96	-	09/18/96	09/22/96	-	0	0
CD-12367	09/12/96	-	09/18/96	09/22/96	-	0	0
FC-15319	09/12/96	-	09/18/96	09/22/96	-	0	0
CS2-08432	09/12/96	-	09/18/96	09/22/96	-	0	0
CS2-08199	09/12/96	-	09/18/96	09/22/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Pesticides/PCBs (Cont.)							
HR-10241	09/12/96	-	09/18/96	09/22/96	-	0	0
CD-11912	09/12/96	-	09/18/96	09/23/96	-	0	0
CD-13395	09/12/96	-	09/18/96	09/22/96	-	0	0
FC-15421	09/17/96	-	09/20/96	09/24/96	-	0	0
FC-15171	09/17/96	-	09/20/96	09/24/96	-	0	0
FC-15085	09/17/96	-	09/20/96	09/24/96	-	0	0
CD-13645	09/17/96	-	09/20/96	09/24/96	-	0	0
CD-12055	09/17/96	-	09/20/96	09/25/96	-	0	0
HR-10059	09/17/96	-	09/20/96	09/23/96	-	0	0
CS2-08529	09/17/96	-	09/20/96	09/23/96	-	0	0
CS2-09329	09/17/96	-	09/20/96	09/23/96	-	0	0
HR-10125	09/17/96	-	09/20/96	09/24/96	-	0	0
CS2-16212	09/17/96	-	09/20/96	09/24/96	-	0	0
FC-14858	09/17/96	-	09/20/96	09/24/96	-	0	0
CD-13780	09/17/96	-	09/20/96	09/24/96	-	0	0
CS-02936	09/17/96	-	09/20/96	09/24/96	-	0	0
CS-02222	09/17/96	-	09/20/96	09/24/96	-	0	0
CS-01935	09/17/96	-	09/20/96	09/24/96	-	0	0
CS-02868	09/17/96	-	09/20/96	09/24/96	-	0	0
CS-00061	09/19/96	-	09/24/96	09/27/96	-	0	0
CS-00273	09/19/96	-	09/24/96	09/27/96	-	0	0
CS-00897	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-00996	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-00501	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-00774	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-01250	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-01506	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-01692	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-02383	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-02622	09/19/96	-	09/24/96	09/28/96	-	0	0
CS-09471	09/19/96	-	09/24/96	09/27/96	-	0	0
CS-01768	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-03180	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-03365	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-03693	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-04836	09/26/96	-	10/04/96	10/08/96	-	0	0
CS-16312	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-05863	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-16412	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-06387	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-06226	09/26/96	-	10/04/96	10/09/96	-	0	0
HR-09670	09/26/96	-	10/04/96	10/08/96	-	0	0
HR-09705	09/26/96	-	10/04/96	10/09/96	-	0	0
HR-09904	09/26/96	-	10/04/96	10/08/96	-	0	0
CS2-08221	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-12880	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-12921	10/03/96	-	10/09/96	10/11/96	-	0	0
CD-13282	10/03/96	-	10/09/96	10/12/96	-	0	0
CD-13120	10/03/96	-	10/09/96	10/12/96	-	0	0
CD-13429	10/03/96	-	10/09/96	10/12/96	-	0	0
FC-15278	10/03/96	-	10/09/96	10/12/96	-	0	0
CS-06592	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06670	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06801	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06910	10/17/96	-	10/23/96	10/26/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Pesticides/PCBs (Cont.)							
CS-07078	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-07109	10/17/96	-	10/23/96	10/25/96	-	0	0
CS-05935	10/18/96	-	10/23/96	10/28/96	-	0	0
CS-06145	10/18/96	-	10/23/96	10/26/96	-	0	0
CS-06471	10/18/96	-	10/23/96	10/26/96	-	0	0
CS-04072	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04169	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-16512	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04222	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04305	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04585	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05085	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05087	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05261	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05460	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05576	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05673	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04460	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-04612	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-04902	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-05183	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-05381	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-08993	10/29/96	-	11/04/96	11/08/96	-	0	0
CS-00336	10/31/96	-	11/04/96	11/08/96	-	0	0
CS-00478	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-01089	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-01397	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-01428	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-02070	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-02568	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-02192	10/31/96	-	11/04/96	11/09/96	-	0	0
CS-03069	11/05/96	-	11/22/96	12/03/96	-	3	0
CS-03254	11/05/96	-	11/22/96	12/03/96	-	3	0
CS-03737	11/05/96	-	11/22/96	12/03/96	-	3	0
CS-03478	11/05/96	-	11/22/96	12/03/96	-	3	0
CS-03814	11/05/96	-	11/22/96	12/03/96	-	3	0
CS2-08338	11/13/96	-	11/24/96	12/03/96	-	0	0
CS2-08761	11/13/96	-	11/24/96	12/04/96	-	0	0
CS2-08602	11/13/96	-	11/24/96	12/04/96	-	0	0
CS2-16612	11/13/96	-	11/24/96	12/05/96	-	0	0
CS2-09048	11/13/96	-	11/27/96	12/05/96	-	0	0
CS2-09230	11/13/96	-	11/24/96	12/04/96	-	0	0
CD-11741	11/13/96	-	11/24/96	12/05/96	-	0	0
HR-10535	11/13/96	-	11/24/96	12/04/96	-	0	0
HR-10678	11/13/96	-	11/24/96	12/04/96	-	0	0
HR-10712	11/13/96	-	11/24/96	12/04/96	-	0	0
HR-10392	11/13/96	-	11/24/96	12/04/96	-	0	0
CD-10984	11/13/96	-	11/24/96	12/04/96	-	0	0
HR-10860	11/13/96	-	11/24/96	12/04/96	-	0	0
CD-11081	11/13/96	-	11/24/96	12/05/96	-	0	0
CD-11248	11/13/96	-	11/24/96	12/05/96	-	0	0
CD-11466	11/13/96	-	11/24/96	12/04/96	-	0	0
CD-11569	11/13/96	-	11/24/96	12/04/96	-	0	0
CD-13020	11/14/96	-	11/27/96	12/06/96	-	0	0
CD-12695	11/14/96	-	11/27/96	12/06/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR Pesticides/PCBs (Cont.)							
CD-12708	11/14/96	-	11/27/96	12/06/96	-	0	0
CS2-08885	11/14/96	-	11/27/96	12/09/96	-	0	0
CD-12112	11/14/96	-	11/27/96	12/09/96	-	0	0
CD-12488	11/14/96	-	11/27/96	12/09/96	-	0	0
CD-11889	11/14/96	-	11/27/96	12/07/96	-	0	0
CD-11372	11/14/96	-	11/27/96	12/09/96	-	0	0
CD-12211	11/14/96	-	11/27/96	12/09/96	-	0	0
CS-07226	11/14/96	-	11/27/96	12/10/96	-	0	0
CS2-07985	11/14/96	-	11/27/96	12/10/96	-	0	0
CD-14073	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14445	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14674	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14391	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14522	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14157	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14247	11/15/96	-	11/27/96	12/10/96	-	0	0
CD-14739	11/15/96	-	11/27/96	12/06/96	-	0	0
Herbicides							
CS-00116	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-00631	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-02785	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-04759	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-05780	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-06722	09/10/96	-	09/13/96	09/18/96	-	0	0
CS2-08011	09/10/96	-	09/13/96	09/18/96	-	0	0
CS2-09110	09/10/96	-	09/13/96	09/18/96	-	0	0
CS2-16100	09/10/96	-	09/13/96	09/18/96	-	0	0
HR-10425	09/10/96	-	09/13/96	09/18/96	-	0	0
CD-11120	09/10/96	-	09/13/96	09/18/96	-	0	0
CD-12533	09/10/96	-	09/13/96	09/18/96	-	0	0
CD-13528	09/10/96	-	09/13/96	09/18/96	-	0	0
CD-13874	09/10/96	-	09/13/96	09/18/96	-	0	0
FC-14949	09/10/96	-	09/13/96	09/18/96	-	0	0
CS-01144	09/12/96	-	09/19/96	09/22/96	-	0	0
CS-01859	09/12/96	-	09/19/96	09/22/96	-	0	0
CS-02425	09/12/96	-	09/19/96	09/22/96	-	0	0
CS-03526	09/12/96	-	09/19/96	09/22/96	-	0	0
CS-03907	09/12/96	-	09/19/96	09/22/96	-	0	0
CS-06037	09/12/96	-	09/19/96	09/22/96	-	0	0
HR-09581	09/12/96	-	09/19/96	09/22/96	-	0	0
HR-09838	09/12/96	-	09/19/96	09/22/96	-	0	0
CD-12367	09/12/96	-	09/19/96	09/22/96	-	0	0
FC-15319	09/12/96	-	09/19/96	09/22/96	-	0	0
CS2-08432	09/12/96	-	09/19/96	09/22/96	-	0	0
CS2-08199	09/12/96	-	09/19/96	09/22/96	-	0	0
HR-10241	09/12/96	-	09/19/96	09/22/96	-	0	0
CD-11912	09/12/96	-	09/19/96	09/22/96	-	0	0
CD-13395	09/12/96	-	09/19/96	09/23/96	-	0	0
FC-15421	09/17/96	-	09/21/96	09/24/96	-	0	0
FC-15171	09/17/96	-	09/21/96	09/24/96	-	0	0
FC-15085	09/17/96	-	09/21/96	09/24/96	-	0	0
CD-13645	09/17/96	-	09/21/96	09/24/96	-	0	0
CD-12055	09/17/96	-	09/21/96	09/25/96	-	0	0
HR-10059	09/17/96	-	09/21/96	09/24/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
Herbicides (Cont.)							
CS2-08529	09/17/96	-	09/21/96	09/24/96	-	0	0
CS2-09329	09/17/96	-	09/21/96	09/24/96	-	0	0
HR-10125	09/17/96	-	09/21/96	09/24/96	-	0	0
CS2-16212	09/17/96	-	09/21/96	09/24/96	-	0	0
FC-14858	09/17/96	-	09/21/96	09/24/96	-	0	0
CD-13780	09/17/96	-	09/21/96	09/24/96	-	0	0
CS-02936	09/17/96	-	09/21/96	09/24/96	-	0	0
CS-02222	09/17/96	-	09/21/96	09/24/96	-	0	0
CS-01935	09/17/96	-	09/21/96	09/24/96	-	0	0
CS-02868	09/17/96	-	09/21/96	09/24/96	-	0	0
CS-00061	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-00273	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-00897	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-00996	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-00501	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-00774	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-01250	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-01506	09/19/96	-	09/26/96	10/10/96	-	0	0
CS-01692	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-02383	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-02622	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-09471	09/19/96	-	09/26/96	10/01/96	-	0	0
CS-01768	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-03180	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-03365	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-03693	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-04836	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-16312	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-05863	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-16412	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-06387	09/26/96	-	10/04/96	10/09/96	-	0	0
CS-06226	09/26/96	-	10/04/96	10/09/96	-	0	0
HR-09670	09/26/96	-	10/04/96	10/09/96	-	0	0
HR-09705	09/26/96	-	10/04/96	10/09/96	-	0	0
HR-09904	09/26/96	-	10/04/96	10/09/96	-	0	0
CS2-08221	10/03/96	-	10/10/96	10/14/96	-	0	0
CD-12880	10/03/96	-	10/10/96	10/14/96	-	0	0
CD-12921	10/03/96	-	10/10/96	10/14/96	-	0	0
CD-13282	10/03/96	-	10/10/96	10/14/96	-	0	0
CD-13120	10/03/96	-	10/10/96	10/14/96	-	0	0
CD-13429	10/03/96	-	10/10/96	10/14/96	-	0	0
FC-15278	10/03/96	-	10/10/96	10/14/96	-	0	0
CS-06592	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06670	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06801	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-06910	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-07078	10/17/96	-	10/23/96	10/26/96	-	0	0
CS-07109	10/17/96	-	10/23/96	10/25/96	-	0	0
CS-05935	10/18/96	-	10/23/96	10/26/96	-	0	0
CS-06145	10/18/96	-	10/23/96	10/26/96	-	0	0
CS-06471	10/18/96	-	10/23/96	10/26/96	-	0	0
CS-04072	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04169	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-16512	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04222	10/23/96	-	10/29/96	11/02/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
Herbicides (Cont.)							
CS-04305	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04585	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05085	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05087	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05261	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05460	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05576	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-05673	10/23/96	-	10/29/96	11/02/96	-	0	0
CS-04460	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-04612	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-04902	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-05183	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-05381	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-08993	10/29/96	-	11/07/96	11/13/96	-	0	0
CS-00336	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-00478	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-01089	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-01397	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-01428	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-02070	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-02568	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-02192	10/31/96	-	11/07/96	11/13/96	-	0	0
CS-03069	11/05/96	-	11/13/96	11/26/96	-	0	0
CS-03254	11/05/96	-	11/13/96	11/26/96	-	0	0
CS-03737	11/05/96	-	11/13/96	11/26/96	-	0	0
CS-03478	11/05/96	-	11/13/96	11/26/96	-	0	0
CS-03814	11/05/96	-	11/13/96	11/26/96	-	0	0
CS2-08338	11/13/96	-	11/25/96	12/03/96	-	0	0
CS2-08761	11/13/96	-	11/25/96	12/03/96	-	0	0
CS2-08602	11/13/96	-	11/25/96	12/03/96	-	0	0
CS2-16612	11/13/96	-	11/25/96	12/04/96	-	0	0
CS2-09048	11/13/96	-	11/25/96	12/03/96	-	0	0
CS2-09230	11/13/96	-	11/25/96	12/03/96	-	0	0
CD-11741	11/13/96	-	11/25/96	12/04/96	-	0	0
HR-10535	11/13/96	-	11/25/96	12/03/96	-	0	0
HR-10678	11/13/96	-	11/25/96	12/03/96	-	0	0
HR-10712	11/13/96	-	11/25/96	12/04/96	-	0	0
HR-10392	11/13/96	-	11/25/96	12/04/96	-	0	0
CD-10984	11/13/96	-	11/25/96	12/04/96	-	0	0
HR-10860	11/13/96	-	11/25/96	12/04/96	-	0	0
CD-11081	11/13/96	-	11/25/96	12/04/96	-	0	0
CD-11248	11/13/96	-	11/25/96	12/04/96	-	0	0
CD-11466	11/13/96	-	11/25/96	12/04/96	-	0	0
CD-11569	11/13/96	-	11/25/96	12/03/96	-	0	0
CD-13020	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-12695	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-12708	11/14/96	-	12/09/96	12/12/96	-	11	0
CS2-08885	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-12112	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-12488	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-11889	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-11372	11/14/96	-	12/09/96	12/12/96	-	11	0
CD-12211	11/14/96	-	12/09/96	12/12/96	-	11	0
CS-07226	11/14/96	-	12/09/96	12/12/96	-	11	0
CS2-07985	11/14/96	-	12/09/96	12/12/96	-	11	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
Herbicides (Cont.)							
CD-14073	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14445	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14674	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14391	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14522	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14157	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14247	11/15/96	-	12/09/96	12/12/96	-	10	0
CD-14739	11/15/96	-	12/09/96	12/12/96	-	10	0
PCDDs and PCDFs							
CS-00116	09/10/96	-	09/18/96	09/22/96	-	0	0
CS-00631	09/10/96	-	09/18/96	09/22/96	-	0	0
CS-02785	09/10/96	-	09/18/96	09/22/96	-	0	0
CS-04759	09/10/96	-	09/18/96	09/22/96	-	0	0
CS-05780	09/10/96	-	09/18/96	09/22/96	-	0	0
CS-06722	09/10/96	-	09/18/96	09/23/96	-	0	0
CS2-08011	09/10/96	-	09/18/96	09/23/96	-	0	0
CS2-09110	09/10/96	-	09/18/96	09/23/96	-	0	0
CS2-16100	09/10/96	-	09/18/96	09/24/96	-	0	0
HR-10425	09/10/96	-	09/18/96	09/23/96	-	0	0
CD-11120	09/10/96	-	09/18/96	09/23/96	-	0	0
CD-12533	09/10/96	-	09/25/96	09/29/96	-	0	0
CD-13528	09/10/96	-	09/18/96	09/23/96	-	0	0
CD-13874	09/10/96	-	09/18/96	09/24/96	-	0	0
FC-14949	09/10/96	-	09/18/96	09/24/96	-	0	0
CS-01144	09/12/96	-	09/19/96	09/24/96	-	0	0
CS-01859	09/12/96	-	09/19/96	09/24/96	-	0	0
CS-02425	09/12/96	-	09/19/96	09/24/96	-	0	0
CS-03526	09/12/96	-	09/19/96	09/24/96	-	0	0
CS-03907	09/12/96	-	09/19/96	09/24/96	-	0	0
CS-06037	09/12/96	-	09/19/96	09/24/96	-	0	0
HR-09581	09/12/96	-	09/19/96	09/24/96	-	0	0
HR-09838	09/12/96	-	09/19/96	09/25/96	-	0	0
CD-12367	09/12/96	-	09/19/96	09/25/96	-	0	0
FC-15319	09/12/96	-	09/19/96	09/25/96	-	0	0
CS2-08432	09/12/96	-	09/19/96	09/25/96	-	0	0
CS2-08199	09/12/96	-	09/19/96	09/25/96	-	0	0
HR-10241	09/12/96	-	09/19/96	09/25/96	-	0	0
CD-11912	09/12/96	-	09/19/96	09/25/96	-	0	0
CD-13395	09/12/96	-	09/19/96	09/25/96	-	0	0
FC-15421	09/17/96	-	09/23/96	10/16/96	-	0	0
FC-15171	09/17/96	-	09/23/96	10/16/96	-	0	0
FC-15085	09/17/96	-	09/23/96	09/26/96	-	0	0
CD-13645	09/17/96	-	09/23/96	09/26/96	-	0	0
CD-12055	09/17/96	-	09/23/96	09/26/96	-	0	0
HR-10059	09/17/96	-	09/23/96	09/26/96	-	0	0
CS2-08529	09/17/96	-	09/23/96	09/26/96	-	0	0
CS2-09329	09/17/96	-	09/23/96	09/26/96	-	0	0
HR-10125	09/17/96	-	09/23/96	10/16/96	-	0	0
CS2-16212	09/17/96	-	09/23/96	10/16/96	-	0	0
FC-14858	09/17/96	-	09/23/96	09/26/96	-	0	0
CD-13780	09/17/96	-	09/23/96	09/26/96	-	0	0
CS-02936	09/17/96	-	09/23/96	09/26/96	-	0	0
CS-02222	09/17/96	-	09/23/96	09/26/96	-	0	0
CS-01935	09/17/96	-	09/23/96	10/16/96	-	0	0
CS-02868	09/17/96	-	09/23/96	10/16/96	-	0	0
CS-00061	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-00273	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-00897	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-00996	09/19/96	-	09/24/96	10/18/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
PCDDs and PCDFs (Cont.)							
CS-00501	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-00774	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-01250	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-01506	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-01692	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-02383	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-02622	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-09471	09/19/96	-	09/24/96	10/18/96	-	0	0
CS-01768	09/26/96	-	09/30/96	10/22/96	-	0	0
CS-03180	09/26/96	-	09/30/96	10/25/96	-	0	0
CS-03365	09/26/96	-	09/30/96	10/25/96	-	0	0
CS-03693	09/26/96	-	09/30/96	10/22/96	-	0	0
CS-04836	09/26/96	-	09/30/96	10/25/96	-	0	0
CS-16312	09/26/96	-	09/30/96	10/25/96	-	0	0
CS-05863	09/26/96	-	09/30/96	10/22/96	-	0	0
CS-16412	09/26/96	-	09/30/96	10/25/96	-	0	0
CS-06387	09/26/96	-	09/30/96	10/22/96	-	0	0
CS-06226	09/26/96	-	09/30/96	10/25/96	-	0	0
HR-09670	09/26/96	-	09/30/96	10/25/96	-	0	0
HR-09705	09/26/96	-	09/30/96	10/26/96	-	0	0
HR-09904	09/26/96	-	09/30/96	10/25/96	-	0	0
CS2-08221	10/03/96	-	10/07/96	10/19/96	-	0	0
CD-12880	10/03/96	-	10/07/96	10/19/96	-	0	0
CD-12921	10/03/96	-	10/07/96	10/19/96	-	0	0
CD-13282	10/03/96	-	10/07/96	10/19/96	-	0	0
CD-13120	10/03/96	-	10/07/96	10/19/96	-	0	0
CD-13429	10/03/96	-	10/07/96	10/19/96	-	0	0
FC-15278	10/03/96	-	10/07/96	10/19/96	-	0	0
CS-06592	10/17/96	-	10/25/96	10/27/96	-	0	0
CS-06670	10/17/96	-	10/22/96	10/24/96	-	0	0
CS-06801	10/17/96	-	10/22/96	10/25/96	-	0	0
CS-06910	10/17/96	-	10/22/96	10/24/96	-	0	0
CS-07078	10/17/96	-	10/22/96	10/24/96	-	0	0
CS-07109	10/17/96	-	10/24/96	10/24/96	-	0	0
CS-05935	10/18/96	-	10/22/96	10/25/96	-	0	0
CS-06145	10/18/96	-	10/22/96	10/25/96	-	0	0
CS-06471	10/18/96	-	10/22/96	10/25/96	-	0	0
CS-04072	10/23/96	-	11/04/96	11/07/96	-	0	0
CS-04169	10/23/96	-	11/04/96	11/07/96	-	0	0
CS-16512	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-04222	10/23/96	-	11/04/96	11/07/96	-	0	0
CS-04305	10/23/96	-	11/04/96	11/07/96	-	0	0
CS-04585	10/23/96	-	11/04/96	11/07/96	-	0	0
CS-05085	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-05087	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-05261	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-05460	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-05576	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-05673	10/23/96	-	11/04/96	11/06/96	-	0	0
CS-04460	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-04612	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-04902	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-05183	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-05381	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-08993	10/29/96	-	10/31/96	11/04/96	-	0	0
CS-00336	10/31/96	-	11/12/96	11/14/96	-	0	0
CS-00478	10/31/96	-	11/07/96	11/11/96	-	0	0
CS-01089	10/31/96	-	11/07/96	11/11/96	-	0	0
CS-01397	10/31/96	-	11/07/96	11/11/96	-	0	0
CS-01428	10/31/96	-	11/07/96	11/11/96	-	0	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days) to TCLP Extraction	to Sample Extraction	to Sample Analysis
PCDDs and PCDFs (Cont.)							
CS-02070	10/31/96	-	11/07/96	11/11/96	-	0	0
CS-02568	10/31/96	-	11/12/96	11/14/96	-	0	0
CS-02192	10/31/96	-	11/07/96	11/11/96	-	0	0
CS-03069	11/05/96	-	11/14/96	11/17/96	-	0	0
CS-03254	11/05/96	-	11/14/96	11/17/96	-	0	0
CS-03737	11/05/96	-	11/14/96	11/17/96	-	0	0
CS-03478	11/05/96	-	11/14/96	11/17/96	-	0	0
CS-03814	11/05/96	-	11/14/96	11/17/96	-	0	0
CS2-08338	11/13/96	-	11/20/96	01/05/97	-	0	8
CS2-08761	11/13/96	-	11/20/96	01/05/97	-	0	8
CS2-08602	11/13/96	-	11/20/96	01/05/97	-	0	8
CS2-16612	11/13/96	-	11/20/96	01/07/97	-	0	10
CS2-09048	11/13/96	-	11/20/96	01/07/97	-	0	10
CS2-09230	11/13/96	-	12/03/96	01/07/97	-	0	10
CD-11741	11/13/96	-	11/20/96	11/26/96	-	0	0
HR-10535	11/13/96	-	11/20/96	11/25/96	-	0	0
HR-10678	11/13/96	-	12/03/96	12/05/96	-	0	0
HR-10712	11/13/96	-	11/20/96	11/26/96	-	0	0
HR-10392	11/13/96	-	11/20/96	01/07/97	-	0	10
CD-10984	11/13/96	-	11/20/96	11/26/96	-	0	0
HR-10860	11/13/96	-	11/20/96	11/26/96	-	0	0
CD-11081	11/13/96	-	11/20/96	11/26/96	-	0	0
CD-11248	11/13/96	-	11/20/96	01/05/97	-	0	8
CD-11466	11/13/96	-	11/20/96	11/26/96	-	0	0
CD-11569	11/13/96	-	11/20/96	11/26/96	-	0	0
CD-13020	11/14/96	-	12/04/96	12/06/96	-	0	0
CD-12695	11/14/96	-	12/04/96	12/06/96	-	0	0
CD-12708	11/14/96	-	12/04/96	12/06/96	-	0	0
CS2-08885	11/14/96	-	12/04/96	01/05/96	-	0	7
CD-12112	11/14/96	-	12/04/96	12/06/96	-	0	0
CD-12488	11/14/96	-	12/04/96	12/06/96	-	0	0
CD-11889	11/14/96	-	12/09/96	12/10/96	-	0	0
CD-11372	11/14/96	-	12/04/96	01/05/97	-	0	7
CD-12211	11/14/96	-	12/09/96	12/10/96	-	0	0
CS-07226	11/14/96	-	12/04/96	12/07/96	-	0	0
CS2-07985	11/14/96	-	12/04/96	12/07/96	-	0	0
CD-14073	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14445	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14674	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14391	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14522	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14157	11/15/96	-	12/04/96	01/06/97	-	0	7
CD-14247	11/15/96	-	12/04/96	12/07/96	-	0	0
CD-14739	11/15/96	-	12/04/96	12/07/96	-	0	0
LDR TCLP Metals (except Mercury)							
CS-00116	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-00631	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-02785	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-04759	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-05780	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-06722	09/10/96	09/12/96	-	09/19/96	0	-	0
CS2-08011	09/10/96	09/12/96	-	09/19/96	0	-	0
CS2-09110	09/10/96	09/12/96	-	09/19/96	0	-	0
CS2-16100	09/10/96	09/12/96	-	09/19/96	0	-	0
HR-10425	09/10/96	09/12/96	-	09/19/96	0	-	0
CD-11120	09/10/96	09/12/96	-	09/19/96	0	-	0
CD-12533	09/10/96	09/12/96	-	09/19/96	0	-	0
CD-13528	09/10/96	09/12/96	-	09/19/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Metals (except Mercury) (Cont.)							
CD-13874	09/10/96	09/12/96	-	09/19/96	0	-	0
FC-14949	09/10/96	09/12/96	-	09/19/96	0	-	0
CS-01144	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-01859	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-02425	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-03526	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-03907	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-06037	09/12/96	09/15/96	-	09/19/96	0	-	0
HR-09581	09/12/96	09/15/96	-	09/19/96	0	-	0
HR-09838	09/12/96	09/15/96	-	09/19/96	0	-	0
CD-12367	09/12/96	09/15/96	-	09/19/96	0	-	0
FC-15319	09/12/96	09/15/96	-	09/19/96	0	-	0
CS2-08432	09/12/96	09/15/96	-	09/19/96	0	-	0
CS2-08199	09/12/96	09/15/96	-	09/19/96	0	-	0
HR-10241	09/12/96	09/15/96	-	09/19/96	0	-	0
CD-11912	09/12/96	09/15/96	-	09/19/96	0	-	0
CD-13395	09/12/96	09/15/96	-	09/19/96	0	-	0
FC-15421	09/17/96	09/20/96	-	09/26/96	0	-	0
FC-15171	09/17/96	09/24/96	-	09/26/96	0	-	0
FC-15085	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-13645	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-12055	09/17/96	09/24/96	-	09/26/96	0	-	0
HR-10059	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-08529	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-09329	09/17/96	09/25/96	-	09/26/96	0	-	0
HR-10125	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-16212	09/17/96	09/24/96	-	09/26/96	0	-	0
FC-14858	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-13780	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02936	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02222	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-01935	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02868	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-00061	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-00273	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-00897	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-00996	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-00501	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-00774	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-01250	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-01506	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-01692	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-02383	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-02622	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-09471	09/19/96	09/25/96	-	09/26/96	0	-	0
CS-01768	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-03180	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-03365	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-03693	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-04836	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-16312	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-05863	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-16412	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-06387	09/26/96	10/02/96	-	10/04/96	0	-	0
CS-06226	09/26/96	10/02/96	-	10/04/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Metals (except Mercury) (Cont.)							
HR-09670	09/26/96	10/02/96	-	10/04/96	0	-	0
HR-09705	09/26/96	10/02/96	-	10/04/96	0	-	0
HR-09904	09/26/96	10/02/96	-	10/04/96	0	-	0
CS2-08221	10/03/96	10/07/96	-	10/11/96	0	-	0
CD-12880	10/03/96	10/07/96	-	10/11/96	0	-	0
CD-12921	10/03/96	10/07/96	-	10/11/96	0	-	0
CD-13282	10/03/96	10/07/96	-	10/11/96	0	-	0
CD-13120	10/03/96	10/07/96	-	10/11/96	0	-	0
CD-13429	10/03/96	10/07/96	-	10/11/96	0	-	0
FC-15278	10/03/96	10/07/96	-	10/11/96	0	-	0
CS-06592	10/17/96	10/19/96	-	10/28/96	0	-	0
CS-06670	10/17/96	10/24/96	-	10/31/96	0	-	0
CS-06801	10/17/96	10/19/96	-	11/01/96	0	-	0
CS-06910	10/17/96	10/24/96	-	10/31/96	0	-	0
CS-07078	10/17/96	10/24/96	-	10/31/96	0	-	0
CS-07109	10/17/96	10/24/96	-	10/31/96	0	-	0
CS-05935	10/18/96	10/24/96	-	10/31/96	0	-	0
CS-06145	10/18/96	10/19/96	-	10/28/96	0	-	0
CS-06471	10/18/96	10/24/96	-	10/31/96	0	-	0
CS-04072	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04169	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-16512	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04222	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04305	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04585	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05085	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05087	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05261	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05460	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05576	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05673	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04460	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-04612	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-04902	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-05183	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-05381	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-08993	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-00336	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-00478	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-01089	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-01397	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-01428	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-02070	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-02568	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-02192	10/31/96	11/08/96	-	11/18/96	0	-	0
CS-03069	11/05/96	11/14/96	-	11/18/96	0	-	0
CS-03254	11/05/96	11/14/96	-	11/18/96	0	-	0
CS-03737	11/05/96	11/14/96	-	11/18/96	0	-	0
CS-03478	11/05/96	11/14/96	-	11/18/96	0	-	0
CS-03814	11/05/96	11/14/96	-	11/18/96	0	-	0
CS2-08338	11/13/96	11/21/96	-	11/25/96	0	-	0
CS2-08761	11/13/96	11/21/96	-	11/25/96	0	-	0
CS2-08602	11/13/96	11/21/96	-	11/25/96	0	-	0
CS2-16612	11/13/96	11/22/96	-	11/25/96	0	-	0
CS2-09048	11/13/96	11/21/96	-	11/25/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Metals (except Mercury) (Cont.)							
CS2-09230	11/13/96	11/21/96	-	11/25/96	0	-	0
CD-11741	11/13/96	11/22/96	-	11/25/96	0	-	0
HR-10535	11/13/96	11/21/96	-	11/25/96	0	-	0
HR-10678	11/13/96	11/21/96	-	11/25/96	0	-	0
HR-10712	11/13/96	11/21/96	-	11/25/96	0	-	0
HR-10392	11/13/96	11/21/96	-	11/25/96	0	-	0
CD-10984	11/13/96	11/21/96	-	11/25/96	0	-	0
HR-10860	11/13/96	11/21/96	-	11/25/96	0	-	0
CD-11081	11/13/96	11/21/96	-	11/25/96	0	-	0
CD-11248	11/13/96	11/22/96	-	11/26/96	0	-	0
CD-11466	11/13/96	11/22/96	-	11/25/96	0	-	0
CD-11569	11/13/96	11/22/96	-	11/25/96	0	-	0
CD-13020	11/14/96	11/22/96	-	11/25/96	0	-	0
CD-12695	11/14/96	11/22/96	-	11/25/96	0	-	0
CD-12708	11/14/96	11/22/96	-	11/25/96	0	-	0
CS2-08885	11/14/96	11/22/96	-	11/25/96	0	-	0
CD-12112	11/14/96	11/22/96	-	11/25/96	0	-	0
CD-12488	11/14/96	11/22/96	-	11/25/96	0	-	0
CD-11889	11/14/96	11/23/96	-	12/03/96	0	-	0
CD-11372	11/14/96	11/23/96	-	12/03/96	0	-	0
CD-12211	11/14/96	11/23/96	-	12/03/96	0	-	0
CS-07226	11/14/96	11/23/96	-	12/03/96	0	-	0
CS2-07985	11/14/96	11/23/96	-	12/03/96	0	-	0
CD-14073	11/15/96	11/23/96	-	12/03/96	0	-	0
CD-14445	11/15/96	11/23/96	-	12/03/96	0	-	0
CD-14674	11/15/96	11/25/96	-	12/03/96	0	-	0
CD-14391	11/15/96	11/23/96	-	12/03/96	0	-	0
CD-14522	11/15/96	11/23/96	-	12/03/96	0	-	0
CD-14157	11/15/96	11/23/96	-	12/03/96	0	-	0
CD-14247	11/15/96	11/25/96	-	12/03/96	0	-	0
CD-14739	11/15/96	11/23/96	-	12/03/96	0	-	0
LDR TCLP Mercury							
CS-00116	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-00631	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-02785	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-04759	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-05780	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-06722	09/10/96	09/12/96	-	09/17/96	0	-	0
CS2-08011	09/10/96	09/12/96	-	09/17/96	0	-	0
CS2-09110	09/10/96	09/12/96	-	09/17/96	0	-	0
CS2-16100	09/10/96	09/12/96	-	09/17/96	0	-	0
HR-10425	09/10/96	09/12/96	-	09/17/96	0	-	0
CD-11120	09/10/96	09/12/96	-	09/17/96	0	-	0
CD-12533	09/10/96	09/12/96	-	09/17/96	0	-	0
CD-13528	09/10/96	09/12/96	-	09/17/96	0	-	0
CD-13874	09/10/96	09/12/96	-	09/17/96	0	-	0
FC-14949	09/10/96	09/12/96	-	09/17/96	0	-	0
CS-01144	09/12/96	09/15/96	-	09/19/96	0	-	0
CS-01859	09/12/96	09/15/96	-	09/20/96	0	-	0
CS-02425	09/12/96	09/15/96	-	09/20/96	0	-	0
CS-03526	09/12/96	09/15/96	-	09/20/96	0	-	0
CS-03907	09/12/96	09/15/96	-	09/20/96	0	-	0
CS-06037	09/12/96	09/15/96	-	09/20/96	0	-	0
HR-09581	09/12/96	09/15/96	-	09/20/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days) to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Mercury (Cont.)							
HR-09838	09/12/96	09/15/96	-	09/20/96	0	-	0
CD-12367	09/12/96	09/15/96	-	09/19/96	0	-	0
FC-15319	09/12/96	09/15/96	-	09/20/96	0	-	0
CS2-08432	09/12/96	09/15/96	-	09/20/96	0	-	0
CS2-08199	09/12/96	09/15/96	-	09/20/96	0	-	0
HR-10241	09/12/96	09/15/96	-	09/20/96	0	-	0
CD-11912	09/12/96	09/15/96	-	09/20/96	0	-	0
CD-13395	09/12/96	09/15/96	-	09/20/96	0	-	0
FC-15421	09/17/96	09/20/96	-	09/26/96	0	-	0
FC-15171	09/17/96	09/24/96	-	09/26/96	0	-	0
FC-15085	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-13645	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-12055	09/17/96	09/24/96	-	09/26/96	0	-	0
HR-10059	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-08529	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-09329	09/17/96	09/25/96	-	09/26/96	0	-	0
HR-10125	09/17/96	09/24/96	-	09/26/96	0	-	0
CS2-16212	09/17/96	09/24/96	-	09/26/96	0	-	0
FC-14858	09/17/96	09/24/96	-	09/26/96	0	-	0
CD-13780	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02936	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02222	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-01935	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-02868	09/17/96	09/24/96	-	09/26/96	0	-	0
CS-00061	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-00273	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-00897	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-00996	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-00501	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-00774	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-01250	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-01506	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-01692	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-02383	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-02622	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-09471	09/19/96	09/25/96	-	10/07/96	0	-	0
CS-01768	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-03180	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-03365	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-03693	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-04836	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-16312	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-05863	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-16412	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-06387	09/26/96	10/02/96	-	10/05/96	0	-	0
CS-06226	09/26/96	10/02/96	-	10/05/96	0	-	0
HR-09670	09/26/96	10/02/96	-	10/05/96	0	-	0
HR-09705	09/26/96	10/02/96	-	10/05/96	0	-	0
HR-09904	09/26/96	10/02/96	-	10/05/96	0	-	0
CS2-08221	10/03/96	10/07/96	-	10/09/96	0	-	0
CD-12880	10/03/96	10/07/96	-	10/09/96	0	-	0
CD-12921	10/03/96	10/07/96	-	10/09/96	0	-	0
CD-13282	10/03/96	10/07/96	-	10/09/96	0	-	0
CD-13120	10/03/96	10/07/96	-	10/09/96	0	-	0
CD-13429	10/03/96	10/07/96	-	10/09/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Mercury (Cont.)							
FC-15278	10/03/96	10/07/96	-	10/09/96	0	-	0
CS-06592	10/17/96	10/19/96	-	10/24/96	0	-	0
CS-06670	10/17/96	10/24/96	-	10/28/96	0	-	0
CS-06801	10/17/96	10/19/96	-	10/24/96	0	-	0
CS-06910	10/17/96	10/24/96	-	10/28/96	0	-	0
CS-07078	10/17/96	10/24/96	-	10/28/96	0	-	0
CS-07109	10/17/96	10/24/96	-	10/28/96	0	-	0
CS-05935	10/18/96	10/24/96	-	10/28/96	0	-	0
CS-06145	10/18/96	10/19/96	-	10/24/96	0	-	0
CS-06471	10/18/96	10/24/96	-	10/28/96	0	-	0
CS-04072	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04169	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-16512	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04222	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04305	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04585	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05085	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05087	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05261	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05460	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05576	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-05673	10/23/96	10/29/96	-	11/01/96	0	-	0
CS-04460	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-04612	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-04902	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-05183	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-05381	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-08993	10/29/96	10/31/96	-	11/11/96	0	-	0
CS-00336	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-00478	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-01089	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-01397	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-01428	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-02070	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-02568	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-02192	10/31/96	11/08/96	-	11/11/96	0	-	0
CS-03069	11/05/96	11/14/96	-	11/15/96	0	-	0
CS-03254	11/05/96	11/14/96	-	11/15/96	0	-	0
CS-03737	11/05/96	11/14/96	-	11/15/96	0	-	0
CS-03478	11/05/96	11/14/96	-	11/15/96	0	-	0
CS-03814	11/05/96	11/14/96	-	11/15/96	0	-	0
CS2-08338	11/13/96	11/21/96	-	11/22/96	0	-	0
CS2-08761	11/13/96	11/21/96	-	11/22/96	0	-	0
CS2-08602	11/13/96	11/21/96	-	11/22/96	0	-	0
CS2-16612	11/13/96	11/22/96	-	11/25/96	0	-	0
CS2-09048	11/13/96	11/21/96	-	11/22/96	0	-	0
CS2-09230	11/13/96	11/21/96	-	11/22/96	0	-	0
CD-11741	11/13/96	11/22/96	-	11/25/96	0	-	0
HR-10535	11/13/96	11/21/96	-	11/22/96	0	-	0
HR-10678	11/13/96	11/21/96	-	11/22/96	0	-	0
HR-10712	11/13/96	11/21/96	-	11/22/96	0	-	0
HR-10392	11/13/96	11/21/96	-	11/22/96	0	-	0
CD-10984	11/13/96	11/21/96	-	11/22/96	0	-	0
HR-10860	11/13/96	11/21/96	-	11/22/96	0	-	0
CD-11081	11/13/96	11/21/96	-	11/22/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days) to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Mercury (Cont.)							
CD-11248	11/13/96	11/22/96	-	11/25/96	0	-	0
CD-11466	11/13/96	11/22/96	-	11/25/96	0	-	0
CD-11569	11/13/96	11/22/96	-	11/25/96	0	-	0
CD-13020	11/14/96	11/22/96	-	11/26/96	0	-	0
CD-12695	11/14/96	11/22/96	-	11/26/96	0	-	0
CD-12708	11/14/96	11/22/96	-	11/26/96	0	-	0
CS2-08885	11/14/96	11/22/96	-	11/26/96	0	-	0
CD-12112	11/14/96	11/22/96	-	11/26/96	0	-	0
CD-12488	11/14/96	11/22/96	-	11/26/96	0	-	0
CD-11889	11/14/96	11/23/96	-	11/26/96	0	-	0
CD-11372	11/14/96	11/23/96	-	11/26/96	0	-	0
CD-12211	11/14/96	11/23/96	-	11/26/96	0	-	0
CS-07226	11/14/96	11/23/96	-	11/26/96	0	-	0
CS2-07985	11/14/96	11/23/96	-	11/26/96	0	-	0
CD-14073	11/15/96	11/23/96	-	11/26/96	0	-	0
CD-14445	11/15/96	11/23/96	-	11/26/96	0	-	0
CD-14674	11/15/96	11/25/96	-	12/02/96	0	-	0
CD-14391	11/15/96	11/23/96	-	11/26/96	0	-	0
CD-14522	11/15/96	11/23/96	-	11/26/96	0	-	0
CD-14157	11/15/96	11/23/96	-	11/26/96	0	-	0
CD-14247	11/15/96	11/25/96	-	12/02/96	0	-	0
CD-14739	11/15/96	11/23/96	-	11/26/96	0	-	0
LDR TCLP Methanol							
CS-00116	09/10/96	09/13/96	-	09/13/96	0	-	0
CS-00631	09/10/96	09/13/96	-	09/13/96	0	-	0
CS-02785	09/10/96	09/13/96	-	09/13/96	0	-	0
CS-04759	09/10/96	09/13/96	-	09/13/96	0	-	0
CS-05780	09/10/96	09/13/96	-	09/13/96	0	-	0
CS-06722	09/10/96	09/13/96	-	09/17/96	0	-	0
CS2-08011	09/10/96	09/13/96	-	09/17/96	0	-	0
CS2-09110	09/10/96	09/13/96	-	09/17/96	0	-	0
CS2-16100	09/10/96	09/13/96	-	09/17/96	0	-	0
HR-10425	09/10/96	09/13/96	-	09/17/96	0	-	0
CD-11120	09/10/96	09/13/96	-	09/17/96	0	-	0
CD-12533	09/10/96	09/13/96	-	09/17/96	0	-	0
CD-13528	09/10/96	09/13/96	-	09/17/96	0	-	0
CD-13874	09/10/96	09/13/96	-	09/17/96	0	-	0
FC-14949	09/10/96	09/13/96	-	09/17/96	0	-	0
CS-01144	09/12/96	09/16/96	-	09/18/96	0	-	0
CS-01859	09/12/96	09/16/96	-	09/18/96	0	-	0
CS-02425	09/12/96	09/16/96	-	09/18/96	0	-	0
CS-03526	09/12/96	09/16/96	-	09/18/96	0	-	0
CS-03907	09/12/96	09/16/96	-	09/19/96	0	-	0
CS-06037	09/12/96	09/16/96	-	09/19/96	0	-	0
HR-09581	09/12/96	09/16/96	-	09/19/96	0	-	0
HR-09838	09/12/96	09/16/96	-	09/19/96	0	-	0
CD-12367	09/12/96	09/16/96	-	09/18/96	0	-	0
FC-15319	09/12/96	09/16/96	-	09/19/96	0	-	0
CS2-08432	09/12/96	09/16/96	-	09/19/96	0	-	0
CS2-08199	09/12/96	09/16/96	-	09/19/96	0	-	0
HR-10241	09/12/96	09/16/96	-	09/19/96	0	-	0
CD-11912	09/12/96	09/16/96	-	09/19/96	0	-	0
CD-13395	09/12/96	09/16/96	-	09/19/96	0	-	0
FC-15421	09/17/96	09/19/96	-	09/23/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Methanol (Cont.)							
FC-15171	09/17/96	09/19/96	-	09/23/96	0	-	0
FC-15085	09/17/96	09/19/96	-	09/23/96	0	-	0
CD-13645	09/17/96	09/19/96	-	09/23/96	0	-	0
CD-12055	09/17/96	09/19/96	-	09/26/96	0	-	0
HR-10059	09/17/96	09/19/96	-	09/26/96	0	-	0
CS2-08529	09/17/96	09/19/96	-	09/27/96	0	-	0
CS2-09329	09/17/96	09/19/96	-	09/26/96	0	-	0
HR-10125	09/17/96	09/19/96	-	09/26/96	0	-	0
CS2-16212	09/17/96	09/19/96	-	09/26/96	0	-	0
FC-14858	09/17/96	09/19/96	-	09/23/96	0	-	0
CD-13780	09/17/96	09/19/96	-	09/26/96	0	-	0
CS-02936	09/17/96	09/19/96	-	09/26/96	0	-	0
CS-02222	09/17/96	09/19/96	-	09/26/96	0	-	0
CS-01935	09/17/96	09/19/96	-	09/26/96	0	-	0
CS-02868	09/17/96	09/19/96	-	09/26/96	0	-	0
CS-00061	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-00273	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-00897	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-00996	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-00501	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-00774	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-01250	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-01506	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-01692	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-02383	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-02622	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-09471	09/19/96	09/26/96	-	09/30/96	0	-	0
CS-01768	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-03180	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-03365	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-03693	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-04836	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-16312	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-05863	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-16412	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-06387	09/26/96	10/01/96	-	10/03/96	0	-	0
CS-06226	09/26/96	10/01/96	-	10/03/96	0	-	0
HR-09670	09/26/96	10/01/96	-	10/03/96	0	-	0
HR-09705	09/26/96	10/01/96	-	10/03/96	0	-	0
HR-09904	09/26/96	10/01/96	-	10/03/96	0	-	0
CS2-08221	10/03/96	10/04/96	-	10/09/96	0	-	0
CD-12880	10/03/96	10/04/96	-	10/09/96	0	-	0
CD-12921	10/03/96	10/04/96	-	10/09/96	0	-	0
CD-13282	10/03/96	10/04/96	-	10/09/96	0	-	0
CD-13120	10/03/96	10/04/96	-	10/09/96	0	-	0
CD-13429	10/03/96	10/04/96	-	10/09/96	0	-	0
FC-15278	10/03/96	10/04/96	-	10/09/96	0	-	0
CS-06592	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-06670	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-06801	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-06910	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-07078	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-07109	10/17/96	10/22/96	-	10/23/96	0	-	0
CS-05935	10/18/96	10/22/96	-	10/23/96	0	-	0
CS-06145	10/18/96	10/22/96	-	10/23/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Methanol (Cont.)							
CS-06471	10/18/96	10/22/96	-	10/23/96	0	-	0
CS-04072	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-04169	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-16512	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-04222	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-04305	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-04585	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05085	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05087	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05261	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05460	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05576	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-05673	10/23/96	10/29/96	-	10/29/96	0	-	0
CS-04460	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-04612	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-04902	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-05183	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-05381	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-08993	10/29/96	11/04/96	-	11/04/96	0	-	0
CS-00336	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-00478	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-01089	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-01397	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-01428	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-02070	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-02568	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-02192	10/31/96	11/04/96	-	11/04/96	0	-	0
CS-03069	11/05/96	11/07/96	-	11/07/96	0	-	0
CS-03254	11/05/96	11/07/96	-	11/07/96	0	-	0
CS-03737	11/05/96	11/07/96	-	11/07/96	0	-	0
CS-03478	11/05/96	11/07/96	-	11/07/96	0	-	0
CS-03814	11/05/96	11/07/96	-	11/07/96	0	-	0
CS2-08338	11/13/96	11/14/96	-	11/15/96	0	-	0
CS2-08761	11/13/96	11/14/96	-	11/15/96	0	-	0
CS2-08602	11/13/96	11/14/96	-	11/15/96	0	-	0
CS2-16612	11/13/96	11/14/96	-	11/18/96	0	-	0
CS2-09048	11/13/96	11/14/96	-	11/15/96	0	-	0
CS2-09230	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-11741	11/13/96	11/14/96	-	11/18/96	0	-	0
HR-10535	11/13/96	11/14/96	-	11/15/96	0	-	0
HR-10678	11/13/96	11/14/96	-	11/15/96	0	-	0
HR-10712	11/13/96	11/14/96	-	11/15/96	0	-	0
HR-10392	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-10984	11/13/96	11/14/96	-	11/15/96	0	-	0
HR-10860	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-11081	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-11248	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-11466	11/13/96	11/14/96	-	11/18/96	0	-	0
CD-11569	11/13/96	11/14/96	-	11/15/96	0	-	0
CD-13020	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-12695	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-12708	11/14/96	11/19/96	-	11/21/96	0	-	0
CS2-08885	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-12112	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-12488	11/14/96	11/19/96	-	11/21/96	0	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
LDR TCLP Methanol (Cont.)							
CD-11889	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-11372	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-12211	11/14/96	11/19/96	-	11/21/96	0	-	0
CS-07226	11/14/96	11/19/96	-	11/21/96	0	-	0
CS2-07985	11/14/96	11/19/96	-	11/21/96	0	-	0
CD-14073	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14445	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14674	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14391	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14522	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14157	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14247	11/15/96	11/19/96	-	11/21/96	0	-	0
CD-14739	11/15/96	11/19/96	-	11/20/96	0	-	0
Cyanide (total)							
CS-00116	09/10/96	-	-	10/01/96	-	-	7
CS-00631	09/10/96	-	-	10/01/96	-	-	7
CS-02785	09/10/96	-	-	10/01/96	-	-	7
CS-04759	09/10/96	-	-	10/02/96	-	-	8
CS-05780	09/10/96	-	-	10/02/96	-	-	8
CS-06722	09/10/96	-	-	10/02/96	-	-	8
CS2-08011	09/10/96	-	-	10/02/96	-	-	8
CS2-09110	09/10/96	-	-	10/02/96	-	-	8
CS2-16100	09/10/96	-	-	09/25/96	-	-	1
HR-10425	09/10/96	-	-	10/02/96	-	-	8
CD-11120	09/10/96	-	-	09/25/96	-	-	1
CD-12533	09/10/96	-	-	09/26/96	-	-	2
CD-13528	09/10/96	-	-	09/25/96	-	-	1
CD-13874	09/10/96	-	-	09/25/96	-	-	1
FC-14949	09/10/96	-	-	09/25/96	-	-	1
CS-01144	09/12/96	-	-	09/25/96	-	-	0
CS-01859	09/12/96	-	-	09/25/96	-	-	0
CS-02425	09/12/96	-	-	09/26/96	-	-	0
CS-03526	09/12/96	-	-	09/25/96	-	-	0
CS-03907	09/12/96	-	-	09/26/96	-	-	0
CS-06037	09/12/96	-	-	09/26/96	-	-	0
HR-09581	09/12/96	-	-	09/26/96	-	-	0
HR-09838	09/12/96	-	-	09/26/96	-	-	0
CD-12367	09/12/96	-	-	09/26/96	-	-	0
FC-15319	09/12/96	-	-	09/26/96	-	-	0
CS2-08432	09/12/96	-	-	09/26/96	-	-	0
CS2-08199	09/12/96	-	-	09/26/96	-	-	0
HR-10241	09/12/96	-	-	09/26/96	-	-	0
CD-11912	09/12/96	-	-	09/26/96	-	-	0
CD-13395	09/12/96	-	-	09/26/96	-	-	0
FC-15421	09/17/96	-	-	10/01/96	-	-	0
FC-15171	09/17/96	-	-	10/01/96	-	-	0
FC-15085	09/17/96	-	-	10/01/96	-	-	0
CD-13645	09/17/96	-	-	10/01/96	-	-	0
CD-12055	09/17/96	-	-	10/01/96	-	-	0
HR-10059	09/17/96	-	-	10/01/96	-	-	0
CS2-08529	09/17/96	-	-	10/01/96	-	-	0
CS2-09329	09/17/96	-	-	10/01/96	-	-	0
HR-10125	09/17/96	-	-	10/01/96	-	-	0
CS2-16212	09/17/96	-	-	10/01/96	-	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
Cyanide (total) (Cont.)							
FC-14858	09/17/96	-	-	10/01/96	-	-	0
CD-13780	09/17/96	-	-	10/01/96	-	-	0
CS-02936	09/17/96	-	-	10/01/96	-	-	0
CS-02222	09/17/96	-	-	10/01/96	-	-	0
CS-01935	09/17/96	-	-	10/01/96	-	-	0
CS-02868	09/17/96	-	-	10/01/96	-	-	0
CS-00061	09/19/96	-	-	10/02/96	-	-	0
CS-00273	09/19/96	-	-	10/02/96	-	-	0
CS-00897	09/19/96	-	-	10/02/96	-	-	0
CS-00996	09/19/96	-	-	10/02/96	-	-	0
CS-00501	09/19/96	-	-	10/02/96	-	-	0
CS-00774	09/19/96	-	-	10/02/96	-	-	0
CS-01250	09/19/96	-	-	10/02/96	-	-	0
CS-01506	09/19/96	-	-	10/02/96	-	-	0
CS-01692	09/19/96	-	-	10/02/96	-	-	0
CS-02383	09/19/96	-	-	10/02/96	-	-	0
CS-02622	09/19/96	-	-	10/02/96	-	-	0
CS-09471	09/19/96	-	-	10/02/96	-	-	0
CS-01768	09/26/96	-	-	10/09/96	-	-	0
CS-03180	09/26/96	-	-	10/09/96	-	-	0
CS-03365	09/26/96	-	-	10/09/96	-	-	0
CS-03693	09/26/96	-	-	10/09/96	-	-	0
CS-04836	09/26/96	-	-	10/09/96	-	-	0
CS-16312	09/26/96	-	-	10/09/96	-	-	0
CS-05863	09/26/96	-	-	10/09/96	-	-	0
CS-16412	09/26/96	-	-	10/09/96	-	-	0
CS-06387	09/26/96	-	-	10/09/96	-	-	0
CS-06226	09/26/96	-	-	10/09/96	-	-	0
HR-09670	09/26/96	-	-	10/09/96	-	-	0
HR-09705	09/26/96	-	-	10/09/96	-	-	0
HR-09904	09/26/96	-	-	10/09/96	-	-	0
CS2-08221	10/03/96	-	-	10/09/96	-	-	0
CD-12880	10/03/96	-	-	10/09/96	-	-	0
CD-12921	10/03/96	-	-	10/09/96	-	-	0
CD-13282	10/03/96	-	-	10/09/96	-	-	0
CD-13120	10/03/96	-	-	10/09/96	-	-	0
CD-13429	10/03/96	-	-	10/09/96	-	-	0
FC-15278	10/03/96	-	-	10/09/96	-	-	0
CS-06592	10/17/96	-	-	10/28/96	-	-	0
CS-06670	10/17/96	-	-	10/28/96	-	-	0
CS-06801	10/17/96	-	-	10/28/96	-	-	0
CS-06910	10/17/96	-	-	10/28/96	-	-	0
CS-07078	10/17/96	-	-	10/28/96	-	-	0
CS-07109	10/17/96	-	-	10/28/96	-	-	0
CS-05935	10/18/96	-	-	10/31/96	-	-	0
CS-06145	10/18/96	-	-	10/31/96	-	-	0
CS-06471	10/18/96	-	-	10/31/96	-	-	0
CS-04072	10/23/96	-	-	10/31/96	-	-	0
CS-04169	10/23/96	-	-	10/31/96	-	-	0
CS-16512	10/23/96	-	-	10/31/96	-	-	0
CS-04222	10/23/96	-	-	10/31/96	-	-	0
CS-04305	10/23/96	-	-	10/31/96	-	-	0
CS-04585	10/23/96	-	-	10/31/96	-	-	0
CS-05085	10/23/96	-	-	10/31/96	-	-	0
CS-05087	10/23/96	-	-	10/31/96	-	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	TCLP Extraction Date	Sample Extraction Date	Sample Analysis Date	Holding Time Exceedance (days)		
					to TCLP Extraction	to Sample Extraction	to Sample Analysis
Cyanide (total) (Cont.)							
CS-05261	10/23/96	-	-	10/31/96	-	-	0
CS-05460	10/23/96	-	-	10/31/96	-	-	0
CS-05576	10/23/96	-	-	10/31/96	-	-	0
CS-05673	10/23/96	-	-	10/31/96	-	-	0
CS-04460	10/29/96	-	-	11/12/96	-	-	0
CS-04612	10/29/96	-	-	11/12/96	-	-	0
CS-04902	10/29/96	-	-	11/12/96	-	-	0
CS-05183	10/29/96	-	-	11/12/96	-	-	0
CS-05381	10/29/96	-	-	11/12/96	-	-	0
CS-08993	10/29/96	-	-	11/12/96	-	-	0
CS-00336	10/31/96	-	-	11/12/96	-	-	0
CS-00478	10/31/96	-	-	11/12/96	-	-	0
CS-01089	10/31/96	-	-	11/12/96	-	-	0
CS-01397	10/31/96	-	-	11/12/96	-	-	0
CS-01428	10/31/96	-	-	11/12/96	-	-	0
CS-02070	10/31/96	-	-	11/12/96	-	-	0
CS-02568	10/31/96	-	-	11/12/96	-	-	0
CS-02192	10/31/96	-	-	11/12/96	-	-	0
CS-03069	11/05/96	-	-	11/19/96	-	-	0
CS-03254	11/05/96	-	-	11/19/96	-	-	0
CS-03737	11/05/96	-	-	11/19/96	-	-	0
CS-03478	11/05/96	-	-	11/19/96	-	-	0
CS-03814	11/05/96	-	-	11/19/96	-	-	0
CS2-08338	11/13/96	-	-	11/21/96	-	-	0
CS2-08761	11/13/96	-	-	11/21/96	-	-	0
CS2-08602	11/13/96	-	-	11/21/96	-	-	0
CS2-16612	11/13/96	-	-	11/26/96	-	-	0
CS2-09048	11/13/96	-	-	11/21/96	-	-	0
CS2-09230	11/13/96	-	-	11/21/96	-	-	0
CD-11741	11/13/96	-	-	11/26/96	-	-	0
HR-10535	11/13/96	-	-	11/21/96	-	-	0
HR-10678	11/13/96	-	-	11/21/96	-	-	0
HR-10712	11/13/96	-	-	11/21/96	-	-	0
HR-10392	11/13/96	-	-	11/26/96	-	-	0
CD-10984	11/13/96	-	-	11/26/96	-	-	0
HR-10860	11/13/96	-	-	11/26/96	-	-	0
CD-11081	11/13/96	-	-	11/26/96	-	-	0
CD-11248	11/13/96	-	-	11/26/96	-	-	0
CD-11466	11/13/96	-	-	11/26/96	-	-	0
CD-11569	11/13/96	-	-	11/26/96	-	-	0
CD-13020	11/14/96	-	-	11/26/96	-	-	0
CD-12695	11/14/96	-	-	11/26/96	-	-	0
CD-12708	11/14/96	-	-	11/26/96	-	-	0
CS2-08885	11/14/96	-	-	11/26/96	-	-	0
CD-12112	11/14/96	-	-	11/26/96	-	-	0
CD-12488	11/14/96	-	-	11/26/96	-	-	0
CD-11889	11/14/96	-	-	11/27/96	-	-	0
CD-11372	11/14/96	-	-	11/27/96	-	-	0
CD-12211	11/14/96	-	-	11/27/96	-	-	0
CS-07226	11/14/96	-	-	11/27/96	-	-	0
CS2-07985	11/14/96	-	-	11/27/96	-	-	0
CD-14073	11/15/96	-	-	11/27/96	-	-	0
CD-14445	11/15/96	-	-	11/27/96	-	-	0
CD-14674	11/15/96	-	-	11/27/96	-	-	0
CD-14391	11/15/96	-	-	11/27/96	-	-	0

TABLE 2

HOLDING TIME SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Sample Date	*TCLP Extraction Date*	*Sample Extraction Date*	*Sample Analysis Date*	*Holding Time Exceedance (days)*		
					to TCLP Extraction	*to Sample Extraction*	*to Sample Analysis*
Cyanide (total) (Cont.)							
CD-14522	11/15/96	-	-	11/27/96	-	-	0
CD-14157	11/15/96	-	-	11/27/96	-	-	0
CD-14247	11/15/96	-	-	11/27/96	-	-	0
CD-14739	11/15/96	-	-	11/27/96	-	-	0

Notes:
- Not Applicable.
LDR Land Disposal Restriction.
PCBs Polychlorinated Biphenyls.
TCLP Toxicity Characteristic Leaching Procedure.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
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Sample ID:	*CS-00116*	*CS-00631*	*CS-02785*	*CS-04759*	*CS-05780*	*CS2-06722*	*CS2-08011*	*CS2-09110*	*CS2-16100*	*HR-10425*	*CD-11120*	*CD-12533*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	62	49	58	73	66	67	41	61	77	72	53	82
^{13}C-TCDD	60	46	55	84	67	67	43	58	71	77	55	89
^{13}C-HpCDF	71	65	60	78	74	74	46	58	58	71	64	77
^{13}C-HxCDD	83	69	74	105	85	87	44	70	76	84	76	97
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	60	41	62	80	65	73	88	77	75	85	54	99

Sample ID:	*FC-15278*	*CS-06592*	*CS-06670*	*CS-06801*	*CS-06910*	*CS-07078*	*CS-07109*	*CS-05935*	*CS-06145*	*CS-06471*	*CS-04072*	*CS-04169*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	73	73	77	56	75	80	46	65	62	75	61	67
^{13}C-TCDD	87	75	75	63	72	74	46	65	69	74	60	68
^{13}C-HpCDF	64	66	74	65	74	84	41	50	52	56	69	67
^{13}C-HxCDD	100	92	105	86	96	116	54	74	90	85	91	84
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	82	90	94	72	90	88	85	82	83	92	78	88

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
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Sample ID:	*CD-13528*	*CD-13874*	*FC-14949*	*CS-01144*	*CS-01859*	*CS-02425*	*CS-03526*	*CS-03907*	*CS-06037*	*HR-09581*	*HR-09838*	*CD-12367*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	60	69	65	67	62	71	73	63	69	70	66	61
^{13}C-TCDD	73	97	67	64	56	70	74	63	68	69	66	69
^{13}C-HpCDF	66	105	71	68	74	84	78	90	80	78	85	75
^{13}C-HxCDD	73	100	78	85	85	94	86	103	88	90	94	99
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	67	67	70	72	61	65	76	69	77	76	76	55

Sample ID:	*CS-16512*	*CS-04222*	*CS-04305*	*CS-04585*	*CS-05085*	*CS-05087*	*CS-05261*	*CS-05460*	*CS-05576*	*CS-05673*	*CS-04460*	*CS-04612*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	50	65	71	74	61	65	73	74	78	75	74	66
^{13}C-TCDD	56	71	76	76	58	67	81	82	82	75	76	66
^{13}C-HpCDF	58	75	70	75	64	87	66	71	70	74	63	66
^{13}C-HxCDD	77	84	83	88	73	112	93	102	87	97	80	91
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	82	80	96	97	109	90	95	97	106	101	97	86

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
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Sample ID:	*FC-15319*	*CS2-08432*	*CS2-08199*	*HR-10241*	*CD-11912*	*CD-13395*	*FC-15421*	*FC-15171*	*FC-15085*	*CD-13645*	*CD-12055*	*HR-10059*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	45	71	74	78	61	73	41	56	49	55	64	76
^{13}C-TCDD	53	75	76	116	74	116	51	62	84	84	85	84
^{13}C-HpCDF	74	70	69	74	72	77	66	63	63	87	77	92
^{13}C-HxCDD	75	76	79	92	93	92	79	84	82	100	103	105
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	63	78	80	84	74	89	50	58	59	62	71	59

Sample ID:	*CS-04902*	*CS-05183*	*CS-05381*	*CS-08993*	*CS-00336*	*CS-00478*	*CS-01089*	*CS-01397*	*CS-01428*	*CS-02070*	*CS-02568*	*CS-02192*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	52	69	71	68	43	69	59	72	67	70	68	72
^{13}C-TCDD	53	72	72	67	50	74	65	72	73	76	65	78
^{13}C-HpCDF	43	66	68	54	45	59	53	59	67	50	81	56
^{13}C-HxCDD	60	92	84	78	69	88	78	81	90	86	84	88
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	99	90	91	84	104	107	89	92	91	97	83	110

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
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Sample ID:	*CS2-08529*	*CS2-09329*	*HR-10125*	*CS2-16212*	*FC-14858*	*CD-13780*	*CS-02936*	*CS-02222*	*CS-01935*	*CS-02868*	*CS-00061*	*CS-00273*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	63	65	68	70	41	59	71	45	61	52	71	76
^{13}C-TCDD	60	66	70	74	46	86	84	47	84	58	68	68
^{13}C-HpCDF	70	78	58	60	44	66	77	41	68	49	63	65
^{13}C-HxCDD	78	105	87	87	78	86	97	62	82	79	87	93
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	73	75	84	74	96	57	79	76	57	58	73	82

Sample ID:	*CS-03069*	*CS-03254*	*CS-03737*	*CS-03478*	*CS-03814*	*CS2-08338*	*CS2-08761*	*CS2-08602*	*CS2-16612*	*CS2-09048*	*CS2-09230*	*CD-11741*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	67	44	65	67	43	55	69	80	79	78	79	59
^{13}C-TCDD	62	44	64	78	45	61	72	84	79	80	79	81
^{13}C-HpCDF	59	41	64	52	40	42	44	45	42	43	48	65
^{13}C-HxCDD	70	67	77	86	80	58	82	80	77	79	79	85
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	67	86	70	91	105	81	75	83	77	77	78	56

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
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Sample ID:	*CS-00897*	*CS-00996*	*CS-00501*	*CS-00774*	*CS-01250*	*CS-01506*	*CS-01692*	*CS-02383*	*CS-02622*	*CS-09471*	*CS-01768*	*CS-03180*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	76	70	58	64	63	80	66	77	55	64	71	67
^{13}C-TCDD	73	64	54	64	61	79	66	77	52	60	69	69
^{13}C-HpCDF	59	63	43	56	58	62	75	50	48	63	63	64
^{13}C-HxCDD	91	78	68	82	86	100	87	87	59	79	85	87
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	70	75	89	72	69	92	73	86	96	113	78	79

Sample ID:	*HR-10535*	*HR-10678*	*HR-10712*	*HR-10392*	*CD-10984*	*HR-10860*	*CD-11081*	*CD-11248*	*CD-11466*	*CD-11569*	*CD-13020*	*CD-12695*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	76	69	53	66	72	55	59	67	81	42	48	79
^{13}C-TCDD	84	79	65	70	77	64	72	66	82	52	56	86
^{13}C-HpCDF	54	60	47	48	69	48	70	45	64	55	92	53
^{13}C-HxCDD	78	95	77	75	108	91	101	79	80	110	108	90
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	76	71	63	70	66	55	58	62	77	58	49	74

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
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Sample ID:	*CS-03365*	*CS-03693*	*CS-04836*	*CS-16312*	*CS-05863*	*CS-16412*	*CS-06387*	*CS-06226*	*HR-09670*	*HR-09705*	*HR-09904*	*CS2-08221*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	61	75	70	74	74	68	65	44	42	74	50	77
^{13}C-TCDD	58	74	69	72	67	66	67	43	43	75	49	93
^{13}C-HpCDF	96	71	86	62	68	68	56	44	43	63	48	56
^{13}C-HxCDD	87	84	87	82	89	74	83	57	74	87	55	93
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	66	65	79	82	78	76	78	83	45	85	88	85

Sample ID:	*CD-12708*	*CS2-08885*	*CD-12112*	*CD-12488*	*CD-11889*	*CD-11372*	*CD-12211*	*CS-07226*	*CS2-07985*	*CD-14073*	*CD-14445*	*CD-14674*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard												
^{13}C-TCDF	73	48	67	74	43	83	61	71	73	77	76	97
^{13}C-TCDD	75	50	98	91	59	88	85	88	86	92	92	101
^{13}C-HpCDF	56	41	56	60	79	44	59	58	69	71	87	74
^{13}C-HxCDD	88	51	86	87	113	88	67	87	83	85	109	98
Cleanup Recovery Standard												
^{37}Cl-2,3,7,8-TCDD	70	85	81	77	54	74	72	66	86	59	63	96

INTERNAL/CLEANUP STANDARD PERCENT RECOVERIES
LOVE CANAL BAGGED WASTES
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Sample ID:	*CD-12880*	*CD-12921*	*CD-13282*	*CD-13120*	*CD-13429*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard					
^{13}C-TCDF	83	80	75	117	79
^{13}C-TCDD	86	80	100	116	111
^{13}C-HpCDF	66	60	50	58	65
^{13}C-HxCDD	99	98	83	89	92
Cleanup Recovery Standard					
^{37}Cl-2,3,7,8-TCDD	85	81	77	77	72

Sample ID:	*CD-14391*	*CD-14522*	*CD-14157*	*CD-14247*	*CD-14739*
Control Limits:	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*	*(40-120)*
Internal Standard					
^{13}C-TCDF	70	63	72	41	88
^{13}C-TCDD	115	87	95	58	88
^{13}C-HpCDF	66	57	41	67	70
^{13}C-HxCDD	98	87	87	88	92
Cleanup Recovery Standard					
^{37}Cl-2,3,7,8-TCDD	70	61	78	62	77

Notes:
* Value is outside control limits.

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Volatiles	*DBFM (80-120)*	*DCE (70-121)*	*TOL (81-117)*	*BFB (74-121)*
CS-00116	96	104	97	87
CS-00631	97	109	97	86
CS-02785	98	112	95	86
CS-04759	100	112	99	85
CS-05780	97	106	98	87
CS-06722	96	107	97	88
CS2-08011	95	107	98	85
CS2-09110	95	109	97	86
CS2-16100	93	106	96	87
HR-10425	100	113	95	84
CD-11120	97	111	97	87
CD-12533	91	107	85	89
CD-13528	91	104	95	89
CD-13874	91	104	91	87
FC-14949	92	108	97	89
CS-01144	95	109	98	86
CS-01859	95	107	98	86
CS-02425	93	106	98	84
CS-03526	94	107	99	86
CS-03907	96	111	97	87
CS-06037	91	108	101	86
HR-09581	23*	110	98	85
HR-09838	98	110	97	86
CD-12367	103	112	101	86
FC-15319	95	110	98	84
CS2-08432	95	104	96	87
CS2-08199	91	102	99	84
HR-10241	88	104	97	83
CD-11912	91	106	100	84
CD-13395	90	103	91	82
FC-15421	93	105	99	91
FC-15171	89	102	98	91
FC-15085	91	107	96	91
CD-13645	88	98	91	90
CD-12055	90	102	100	89
HR-10059	40*	104	101	87
CS2-08529	88	103	99	88
CS2-09329	88	102	95	90
HR-10125	44*	104	98	85
CS2-16212	89	108	103	88
FC-14858	89	105	99	92
CD-13780	89	105	92	91
CS-02936	89	106	101	87
CS-02222	91	106	101	87
CS-01935	87	104	102	86
CS-02868	87	103	101	87
CS-02868	107	100	101	97
CS-00061	95	106	100	88
CS-00273	94	106	100	87
CS-00897	92	104	99	90
CS-00996	94	110	100	87

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Volatiles (cont.)	*DBFM (80-120)*	*DCE (70-121)*	*TOL (81-117)*	*BFB (74-121)*
CS-00501	88	103	99	91
CS-00774	92	106	100	91
CS-01250	91	103	101	88
CS-01506	92	106	97	86
CS-01692	90	103	98	88
CS-02383	94	107	98	87
CS-02622	88	97	100	87
CS-09471	89	102	100	87
CS-01768	116	105	100	98
CS-03180	115	104	101	97
CS-03365	120	107	100	96
CS-03693	102	97	102	92
CS-04836	106	101	103	98
CS-16312	103	99	102	93
CS-05863	106	101	104	97
CS-16412	113	102	102	97
CS-06387	107	99	101	96
CS-06226	107	95	100	96
HR-09670	113	103	101	97
HR-09705	114	103	100	95
HR-09904	111	102	102	99
CS2-08221	33*	114	99	93
CD-12880	105	106	100	94
CD-12921	105	107	98	91
CD-13282	104	101	91	97
CD-13120	103	104	91	98
CD-13429	102	102	99	93
FC-15278	98	98	99	91
CS-06592	102	96	99	94
CS-06670	101	95	100	99
CS-06801	105	96	98	96
CS-06910	105	99	99	98
CS-07078	105	101	97	97
CS-07109	102	97	99	93
CS-05935	103	96	101	91
CS-06145	99	94	97	90
CS-06471	99	96	97	96
CS-04072	96	93	99	89
CS-04169	97	94	99	91
CS-16512	98	91	98	90
CS-04222	96	92	98	92
CS-04305	95	93	98	90
CS-04585	96	92	98	90
CS-05085	99	94	99	91
CS-05087	113	111	98	89
CS-05261	109	106	98	89
CS-05460	112	111	97	90
CS-05576	95	92	98	89
CS-05673	97	95	97	90
CS-04460	113	88	93	100
CS-04612	88	78	93	101

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Volatiles (cont.)	*DBFM (80-120)*	*DCE (70-121)*	*TOL (81-117)*	*BFB (74-121)*
CS-04902	105	87	113	96
CS-05183	30*	73	92	101
CS-05381	100	84	95	102
CS-08993	118	98	86	99
CS-00336	88	82	96	102
CS-00478	96	81	94	99
CS-01089	95	83	94	100
CS-01397	104	88	93	98
CS-01428	97	80	101	98
CS-02070	112	89	96	96
CS-02568	103	83	93	99
CS-02192	117	85	90	101
CS-03069	97	82	99	99
CS-03254	115	100	98	97
CS-03737	104	87	96	96
CS-03478	120	103	99	98
CS-03814	98	83	97	96
CS2-08338	102	102	96	103
CS2-08761	97	96	102	113
CS2-08602	100	97	105	117
CS2-16612	106	105	105	116
CS2-09048	100	98	104	112
CS2-09230	102	104	100	106
CD-11741	109	120	98	113
HR-10535	104	100	96	105
HR-10678	105	106	96	106
HR-10712	103	99	97	109
HR-10392	101	105	98	109
CD-10984	102	105	99	108
HR-10860	105	105	100	112
CD-11081	100	96	99	109
CD-11248	108	109	99	111
CD-11466	106	105	97	110
CD-11569	119	118	89	111
CD-13020	109	112	106	115
CD-12695	107	116	108	116
CD-12708	107	113	108	119
CS2-08885	103	106	111	119
CD-12112	106	117	105	111
CD-12488	108	108	109	117
CD-11889	104	101	110	118
CD-11372	103	105	105	114
CD-12211	104	106	108	113
CS-07226	102	105	108	113
CS2-07985	104	113	105	114
CD-14073	100	104	96	111
CD-14445	101	102	98	109
CD-14674	108	111	96	114
CD-14391	100	103	99	107
CD-14522	100	104	101	111
CD-14157	119	116	79*	113
CD-14247	113	120	94	113
CD-14739	104	112	108	120

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Semi-Volatiles	*NBZ (23-120)*	*FBP (30-115)*	*TPH (18-137)*	*PHL (24-113)*	*2FP (25-121)*	*TBP (19-122)*
CS-00116	74	79	87	86	78	105
CS-00631	74	84	88	88	74	111
CS-02785	72	81	84	88	73	103
CS-04759	70	86	89	98	97	110
CS-05780	75	81	93	80	88	106
CS-06722	84	85	96	82	85	106
CS2-08011	74	82	89	89	85	107
CS2-09110	76	79	93	86	79	108
CS2-16100	75	73	87	70	67	102
HR-10425	75	78	84	75	85	103
CD-11120	82	82	87	85	85	105
CD-12533	97	80	88	78	74	86
CD-13528	82	83	87	93	83	104
CD-13874	73	68	71	68	67	80
FC-14949	76	86	89	77	82	106
CS-01144	86	89	105	94	88	114
CS-01859	83	86	110	87	85	120
CS-02425	86	93	106	94	89	123*
CS-03526	105	89	106	90	96	123*
CS-03907	89	86	113	92	99	119
CS-06037	98	89	106	93	96	116
HR-09581	84	93	75	79	69	8*
HR-09838	106	97	112	82	98	123*
CD-12367	96	97	112	93	97	119
FC-15319	98	99	107	89	86	119
CS2-08432	79	83	91	82	85	110
CS2-08199	93	93	102	101	102	120
HR-10241	50	53	57	58	64	54
CD-11912	89	96	95	92	93	121
CD-13395	DL	DL	DL	DL	DL	DL
FC-15421	107	98	97	93	96	116
FC-15171	95	95	102	88	97	115
FC-15085	90	96	99	96	96	117
CD-13645	100	83	89	90	88	105
CD-12055	94	99	100	89	91	122
HR-10059	89	97	99	87	77	6*
CS2-08529	81	78	94	87	90	102
CS2-09329	87	91	92	96	103	113
HR-10125	79	76	77	87	82	61
CS2-16212	90	91	89	86	80	74
FC-14858	95	97	92	78	93	117
CD-13780	74	82	75	74	77	92
CS-02936	91	94	86	89	77	112
CS-02222	78	86	88	92	84	122
CS-01935	92	84	91	89	68	120
CS-02868	79	96	87	91	86	118
CS-02868	63	70	73	74	75	86
CS-00061	71	76	71	79	89	96
CS-00273	69	76	73	88	95	97
CS-00897	67	77	69	80	86	98
CS-00996	67	74	71	83	89	94
CS-00501	58	66	68	74	85	91
CS-00774	59	71	65	76	80	91

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Semi-Volatiles (cont.)	*NBZ (23-120)*	*FBP (30-115)*	*TPH (18-137)*	*PHL (24-113)*	*2FP (25-121)*	*TBP (19-122)*
CS-01250	59	70	68	74	92	109
CS-01506	60	73	74	77	82	93
CS-01692	77	86	79	96	103	110
CS-02383	61	69	66	72	73	92
CS-02622	85	87	85	84	97	111
CS-09471	81	86	89	99	118	108
CS-01768	74	76	67	87	84	86
CS-03180	66	64	69	73	80	82
CS-03365	69	72	76	68	73	86
CS-03693	70	72	81	66	86	85
CS-04836	61	63	75	71	72	80
CS-16312	89	88	88	96	96	95
CS-05863	69	79	88	95	95	100
CS-16412	81	85	88	98	102	98
CS-06387	83	85	85	82	101	99
CS-06226	73	77	83	97	94	98
HR-09670	93	80	89	95	94	101
HR-09705	69	72	72	76	81	84
HR-09904	81	88	85	91	111	97
CS2-08221	85	90	85	96	93	18*
CD-12880	88	91	86	89	86	102
CD-12921	82	85	89	98	108	103
CD-13282	85	87	86	94	107	99
CD-13120	67	69	65	76	72	69
CD-13429	DL	DL	DL	DL	DL	DL
FC-15278	84	83	83	93	97	93
CS-06592	77	84	84	92	92	105
CS-06670	80	88	88	90	87	104
CS-06801	81	88	91	92	91	105
CS-06910	74	78	77	84	87	101
CS-07078	80	95	92	96	105	114
CS-07109	81	89	76	88	100	106
CS-05935	78	91	82	84	88	100
CS-06145	82	90	83	86	97	112
CS-06471	84	93	92	94	94	105
CS-04072	54	60	63	57	59	79
CS-04169	56	59	74	68	58	90
CS-16512	52	52	67	58	65	75
CS-04222	62	64	68	73	69	88
CS-04305	48	47	55	60	62	63
CS-04585	58	63	75	64	68	88
CS-05085	60	57	68	64	64	83
CS-05087	56	60	67	70	71	89
CS-05261	57	64	75	77	80	92
CS-05460	62	68	81	75	75	95
CS-05576	72	69	81	78	75	97
CS-05673	62	64	80	76	78	97
CS-04460	60	62	58	72	65	73
CS-04612	48	59	58	59	55	68
CS-04902	52	57	58	56	52	76
CS-05183	86	86	96	96	83	110
CS-05381	84	80	93	90	82	114
CS-08993	75	87	88	96	88	105

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Semi-Volatiles (cont.)	*NBZ (23-120)*	*FBP (30-115)*	*TPH (18-137)*	*PHL (24-113)*	*2FP (25-121)*	*TBP (19-122)*
CS-00336	89	92	90	97	93	103
CS-00478	72	87	94	96	81	110
CS-01089	84	88	112	110	93	120
CS-01397	68	80	99	92	74	120
CS-01428	68	76	90	93	90	109
CS-02070	68	71	92	83	72	113
CS-02568	74	81	91	93	87	108
CS-02192	60	69	82	85	73	99
CS-03069	93	96	110	96	98	126*
CS-03254	100	105	110	99	107	135*
CS-03737	97	107	112	105	109	141*
CS-03478	93	96	105	103	100	123*
CS-03814	96	94	114	101	105	124*
CS2-08338	82	94	108	93	98	122
CS2-08761	81	83	106	88	87	120
CS2-08602	80	84	106	99	90	116
CS2-16612	96	95	101	104	108	123*
CS2-09048	90	95	116	97	105	120
CS2-09230	83	91	112	92	97	115
CD-11741	94	95	93	105	102	115
HR-10535	83	75	107	89	98	116
HR-10678	73	78	94	80	81	102
HR-10712	78	86	100	86	87	110
HR-10392	73	80	97	84	83	104
CD-10984	72	83	102	87	93	112
HR-10860	83	86	106	87	91	116
CD-11081	74	78	80	78	83	106
CD-11248	75	82	98	81	88	108
CD-11466	79	83	100	81	92	105
CD-11569	71	70	92	77	78	97
CD-13020	100	97	102	95	103	113
CD-12695	97	92	108	102	100	115
CD-12708	86	82	82	90	94	89
CS2-08885	95	100	104	104	103	120
CD-12112	93	88	96	99	101	108
CD-12488	93	89	98	95	103	107
CD-11889	92	96	96	95	101	100
CD-11372	92	93	100	91	105	111
CD-12211	89	95	113	106	105	111
CS-07226	90	91	96	94	94	108
CS2-07985	94	91	101	104	110	108
CD-14073	91	97	107	100	110	109
CD-14445	88	94	90	89	98	94
CD-14674	98	91	97	96	106	108
CD-14391	96	97	104	98	110	109
CD-14522	98	95	110	87	102	118
CD-14157	79	80	95	75	88	89
CD-14247	91	89	93	86	96	96
CD-14739	92	94	97	101	110	114

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Pesticides/PCBs	*DBC (36-150)*	*TCMX (50-150)*
CS-00116	83	-
CS-00631	45	-
CS-02785	64	-
CS-04759	76	-
CS-05780	73	-
CS-06722	71	-
CS2-08011	54	-
CS2-09110	68	-
CS2-16100	48	-
HR-10425	73	-
CD-11120	58	-
CD-12533	63	-
CD-13528	91	-
CD-13874	92	-
FC-14949	73	-
CS-01144	62	-
CS-01859	51	-
CS-02425	37	-
CS-03526	40	-
CS-03907	58	-
CS-06037	43	-
HR-09581	56	-
HR-09838	50	-
CD-12367	88	-
FC-15319	89	-
CS2-08432	46	-
CS2-08199	86	-
HR-10241	65	-
CD-11912	83	-
CD-13395	DL	-
FC-15421	86	-
FC-15171	110	-
FC-15085	92	-
CD-13645	DL	-
CD-12055	87	-
HR-10059	57	-
CS2-08529	48	-
CS2-09329	52	-
HR-10125	62	-
CS2-16212	75	-
FC-14858	56	-
CD-13780	DL	-
CS-02936	41	-
CS-02222	52	-
CS-01935	41	-
CS-02868	54	-
CS-02868	38	-
CS-00061	50	-
CS-00273	-	59
CS-00897	69	-
CS-00996	57	-
CS-00501	45	-

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Pesticides/PCBs (cont.)	*DBC (36-150)*	*TCMX (50-150)*
CS-00774	50	-
CS-01250	-	54
CS-01506	37	-
CS-01692	43	-
CS-02383	36	-
CS-02622	37	-
CS-09471	43	-
CS-01768	52	-
CS-03180	50	-
CS-03365	52	-
CS-03693	45	-
CS-04836	63	-
CS-16312	53	-
CS-05863	52	-
CS-16412	62	-
CS-06387	52	-
CS-06226	48	-
HR-09670	44	-
HR-09705	50	-
HR-09904	61	-
CS2-08221	85	-
CD-12880	77	-
CD-12921	84	-
CD-13282	DL	-
CD-13120	DL	-
CD-13429	DL	-
FC-15278	DL	-
CS-06592	-	99
CS-06670	70	-
CS-06801	-	101
CS-06910	40	-
CS-07078	54	-
CS-07109	61	-
CS-05935	71	-
CS-06145	DL	-
CS-06471	46	-
CS-04072	74	-
CS-04169	66	-
CS-16512	65	-
CS-04222	72	-
CS-04305	42	-
CS-04585	56	-
CS-05085	68	-
CS-05087	52	-
CS-05261	73	-
CS-05460	72	-
CS-05576	66	-
CS-05673	76	-
CS-04460	80	-
CS-04612	64	-
CS-04902	66	-
CS-05183	75	-

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Pesticides/PCBs (cont.)	*DBC (36-150)*	*TCMX (50-150)*
CS-05381	64	-
CS-08993	50	-
CS-00336	98	-
CS-00478	67	-
CS-01089	52	-
CS-01397	90	-
CS-01428	76	-
CS-02070	59	-
CS-02568	67	-
CS-02192	44	-
CS-03069	87	-
CS-03254	70	-
CS-03737	85	-
CS-03478	77	-
CS-03814	81	-
CS2-08338	69	-
CS2-08761	70	-
CS2-08602	82	-
CS2-16612	81	-
CS2-09048	92	-
CS2-09230	74	-
CD-11741	68	-
HR-10535	DL	-
HR-10678	76	-
HR-10712	78	-
HR-10392	74	-
CD-10984	72	-
HR-10860	72	-
CD-11081	65	-
CD-11248	80	-
CD-11466	94	-
CD-11569	74	-
CD-13020	DL	-
CD-12695	108	-
CD-12708	89	-
CS2-08885	48	-
CD-12112	74	-
CD-12488	49	-
CD-11889	DL	-
CD-11372	55	-
CD-12211	58	-
CS-07226	97	-
CS2-07985	88	-
CD-14073	DL	-
CD-14445	DL	-
CD-14674	DL	-
CD-14391	DL	-
CD-14522	DL	-
CD-14157	DL	-
CD-14247	DL	-
CD-14739	DL	-

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Herbicides	*Dichlorprop (63-167)*
CS-00116	83
CS-00631	81
CS-02785	65
CS-04759	77
CS-05780	78
CS-06722	69
CS2-08011	95
CS2-09110	80
CS2-16100	66
HR-10425	105
CD-11120	156
CD-12533	67
CD-13528	71
CD-13874	74
FC-14949	87
CS-01144	83
CS-01859	75
CS-02425	87
CS-03526	89
CS-03907	79
CS-06037	91
HR-09581	100
HR-09838	100
CD-12367	94
FC-15319	93
CS2-08432	93
CS2-08199	94
HR-10241	95
CD-11912	84
CD-13395	88
FC-15421	83
FC-15171	84
FC-15085	90
CD-13645	88
CD-12055	89
HR-10059	83
CS2-08529	88
CS2-09329	97
HR-10125	98
CS2-16212	92
FC-14858	94
CD-13780	86
CS-02936	97
CS-02222	76
CS-01935	90
CS-02868	89
CS-02868	92
CS-00061	101
CS-00273	90
CS-00897	107
CS-00996	94
CS-00501	90

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Herbicides (cont.)	*Dichlorprop (63-167)*
CS-00774	100
CS-01250	89
CS-01506	98
CS-01692	79
CS-02383	82
CS-02622	90
CS-09471	99
CS-01768	65
CS-03180	94
CS-03365	98
CS-03693	90
CS-04836	107
CS-16312	95
CS-05863	100
CS-16412	106
CS-06387	89
CS-06226	106
HR-09670	106
HR-09705	113
HR-09904	89
CS2-08221	73
CD-12880	78
CD-12921	91
CD-13282	91
CD-13120	101
CD-13429	88
FC-15278	91
CS-06592	108
CS-06670	103
CS-06801	84
CS-06910	92
CS-07078	90
CS-07109	71
CS-05935	83
CS-06145	97
CS-06471	89
CS-04072	95
CS-04169	88
CS-16512	95
CS-04222	80
CS-04305	77
CS-04585	76
CS-05085	94
CS-05087	90
CS-05261	68
CS-05460	85
CS-05576	68
CS-05673	89
CS-04460	85
CS-04612	124
CS-04902	88
CS-05183	107

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR Herbicides (cont.)	*Dichlorprop (63-167)*
CS-05381	96
CS-08993	126
CS-00336	100
CS-00478	85
CS-01089	98
CS-01397	91
CS-01428	94
CS-02070	91
CS-02568	82
CS-02192	91
CS-03069	88
CS-03254	75
CS-03737	70
CS-03478	102
CS-03814	71
CS2-08338	93
CS2-08761	125
CS2-08602	80
CS2-16612	71
CS2-09048	87
CS2-09230	87
CD-11741	86
HR-10535	99
HR-10678	90
HR-10712	103
HR-10392	105
CD-10984	109
HR-10860	109
CD-11081	84
CD-11248	123
CD-11466	86
CD-11569	93
CD-13020	82
CD-12695	81
CD-12708	67
CS2-08885	87
CD-12112	83
CD-12488	94
CD-11889	91
CD-11372	90
CD-12211	86
CS-07226	97
CS2-07985	87
CD-14073	69
CD-14445	79
CD-14674	84
CD-14391	82
CD-14522	78
CD-14157	83
CD-14247	65
CD-14739	67

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR TCLP Methanol	*n-Propanol (22-178)*
CS-00116	96
CS-00631	94
CS-02785	97
CS-04759	92
CS-05780	94
CS-06722	94
CS2-08011	91
CS2-09110	93
CS2-16100	104
HR-10425	89
CD-11120	105
CD-12533	101
CD-13528	102
CD-13874	102
FC-14949	104
CS-01144	88
CS-01859	92
CS-02425	75
CS-03526	91
CS-03907	94
CS-06037	100
HR-09581	89
HR-09838	93
CD-12367	99
FC-15319	76
CS2-08432	88
CS2-08199	91
HR-10241	95
CD-11912	54
CD-13395	77
FC-15421	67
FC-15171	61
FC-15085	70
CD-13645	42
CD-12055	68
HR-10059	112
CS2-08529	107
CS2-09329	52
HR-10125	103
CS2-16212	51
FC-14858	72
CD-13780	120
CS-02936	90
CS-02222	36
CS-01935	44
CS-02868	47
CS-02868	104
CS-00061	54
CS-00273	42
CS-00897	52
CS-00996	46
CS-00501	27

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR TCLP Methanol (cont.)	*n-Propanol (22-178)*
CS-00774	90
CS-01250	80
CS-01506	87
CS-01692	89
CS-02383	110
CS-02622	78
CS-09471	79
CS-01768	100
CS-03180	98
CS-03365	91
CS-03693	93
CS-04836	79
CS-16312	77
CS-05863	84
CS-16412	78
CS-06387	81
CS-06226	77
HR-09670	78
HR-09705	83
HR-09904	87
CS2-08221	88
CD-12880	86
CD-12921	95
CD-13282	83
CD-13120	69
CD-13429	73
FC-15278	91
CS-06592	108
CS-06670	118
CS-06801	128
CS-06910	117
CS-07078	123
CS-07109	124
CS-05935	106
CS-06145	103
CS-06471	103
CS-04072	89
CS-04169	95
CS-16512	87
CS-04222	86
CS-04305	164
CS-04585	88
CS-05085	89
CS-05087	91
CS-05261	94
CS-05460	87
CS-05576	87
CS-05673	84
CS-04460	93
CS-04612	111
CS-04902	99
CS-05183	102

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

LDR TCLP Methanol (cont.)	*n-Propanol (22-178)*
CS-05381	104
CS-08993	103
CS-00336	97
CS-00478	105
CS-01089	90
CS-01397	97
CS-01428	91
CS-02070	97
CS-02568	98
CS-02192	92
CS-03069	82
CS-03254	84
CS-03737	86
CS-03478	85
CS-03814	85
CS2-08338	93
CS2-08761	110
CS2-08602	99
CS2-16612	73
CS2-09048	106
CS2-09230	100
CD-11741	96
HR-10535	107
HR-10678	108
HR-10712	98
HR-10392	100
CD-10984	103
HR-10860	107
CD-11081	99
CD-11248	99
CD-11466	90
CD-11569	96
CD-13020	81
CD-12695	72
CD-12708	81
CS2-08885	68
CD-12112	74
CD-12488	90
CD-11889	72
CD-11372	65
CD-12211	61
CS-07226	36
CS2-07985	80
CD-14073	78
CD-14445	86
CD-14674	77
CD-14391	80
CD-14522	79

TABLE 4

SURROGATE RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	n-Propanol
LDR TCLP Methanol (cont.)	*(22-178)*
CD-14157	79
CD-14247	73
CD-14739	85

Outside of the quality control limits.
Not applicable.
Diluted.
Land Disposal Restriction.
Polychlorinated Biphenyls.
Toxicity Characteristic Leaching Procedure.

Dibromofluoromethane.
1,2-Dichloroethane-d4.
Toluene-d8.
Bromofluorobenzene.
Nitrobenzene-d5.
2-Fluorobiphenyl.
Terphenyl-d14.
Phenol-d14.
2-Fluorophenol.
2,4,6-Tribromophenol.
Dibutylchlorendate.
X 2,4,5,6-Tetrachloro-m-xylene

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Analysis Date:	*09/21/96*	*09/21/96*	*09/22/96*	*09/23/96*	*09/23/96*	*09/24/96*	*10/08/96*
	Units							
LDR Volatile Organics								
Acetone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Acetonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.25	ND 0.050	ND 0.050
Acrylonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.25	ND 0.050	ND 0.050
Benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Bromodichloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Bromoform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Bromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
n-Butanol	mg/Kg	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 2.5	ND 0.50	ND 0.50
2-Butanone (MEK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Carbon disulfide	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Carbon tetrachloride	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Chlorobenzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Chloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
Chloroform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Chloromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
3-Chloropropene (Allyl chloride)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Cyclohexanone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
1,2-Dibromo-3-chloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Dibromochloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,2-Dibromoethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Dibromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Dichlorodifluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
1,1-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,2-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
trans-1,2-Dichloroethene	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
1,1-Dichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,2-Dichloropropane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
trans-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
cis-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,4-Dioxane	mg/Kg	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 1.5	ND 0.30	ND 0.30
Ethyl acetate	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50	ND 0.10	ND 0.10
Ethyl ether	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.25	ND 0.050	ND 0.050
Ethyl methacrylate	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.25	ND 0.050	ND 0.050
Ethyl benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Iodomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Isobutanol	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50	ND 0.10	ND 0.10
Methacrylonitrile	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Methyl methacrylate	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
4-methyl-2-pentanone (MIBK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Methylene chloride	mg/Kg	0.014	0.013	ND 0.0050	ND 0.0050	ND 0.025	0.0050	ND 0.0050

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Analysis Date:	*10/09/96*	*10/10/96*	*10/11/96*	*10/28/96*	*10/29/96*	*11/06/96*	*11/07/96*
	Units							
LDR Volatile Organics								
Acetone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Acetonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acrylonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromodichloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromoform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
n-Butanol	mg/Kg	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
2-Butanone (MEK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Carbon disulfide	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Carbon tetrachloride	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlorobenzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Chloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chloroform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Chloromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
3-Chloropropene (Allyl chloride)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Cyclohexanone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,2-Dibromo-3-chloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dibromochloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dibromoethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dibromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dichlorodifluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,1-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
trans-1,2-Dichloroethene	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,1-Dichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dichloropropane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
trans-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
cis-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,4-Dioxane	mg/Kg	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Ethyl acetate	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Ethyl ether	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Ethyl methacrylate	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Ethyl benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Iodomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isobutanol	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Methacrylonitrile	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Methyl methacrylate	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
4-methyl-2-pentanone (MIBK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Methylene chloride	mg/Kg	ND 0.0050	0.0060	ND 0.0050	0.015	0.019	ND 0.0050	ND 0.0050

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
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	Analysis Date:	*11/10/96*	*11/12/96*	*11/13/96*	*11/15/96*	*11/27/96*	*11/28/96*	*11/29/96*
	Units							
LDR Volatile Organics								
Acetone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Acetonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Acrylonitrile	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromodichloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromoform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Bromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
n-Butanol	mg/Kg	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50	ND 0.50
2-Butanone (MEK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Carbon disulfide	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Carbon tetrachloride	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlorobenzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Chloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chloroform	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Chloromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
3-Chloropropene (Allyl chloride)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Cyclohexanone	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,2-Dibromo-3-chloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dibromochloromethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dibromoethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dibromomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Dichlorodifluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,1-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
trans-1,2-Dichloroethene	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,1-Dichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,2-Dichloropropane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
trans-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
cis-1,3-Dichloropropene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,4-Dioxane	mg/Kg	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Ethyl acetate	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Ethyl ether	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Ethyl methacrylate	mg/Kg	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Ethyl benzene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Iodomethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isobutanol	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Methacrylonitrile	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Methyl methacrylate	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
4-methyl-2-pentanone (MIBK)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Methylene chloride	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Analysis Date: *Units*	*09/21/96*	*09/21/96*	*09/22/96*	*09/23/96*	*09/23/96*	*09/24/96*	*10/08/96*
LDR Volatile Organics (Cont'd.)								
Propanenitrile (Ethyl cyanide)	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.50	ND 0.10	ND 0.10
1,1,2,2-Tetrachloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,1,1,2-Tetrachloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Tetrachloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Toluene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,1,2-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
1,1,1-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Trichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
Trichlorofluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
1,2,3-Trichloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.050	ND 0.010	ND 0.010
Vinyl chloride	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.025	ND 0.010	ND 0.010
total Xylenes	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.025	ND 0.0050	ND 0.0050
	Extraction Date:	*09/12/96*	*09/18/96*	*09/20/96*	*09/24/96*	*09/26/96*	*10/03/96*	*10/04/96*
LDR Semi-Volatile Organics								
Acenaphthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethoxy) methane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-Chloroisopropyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Analysis Date:	*10/09/96*	*10/10/96*	*10/11/96*	*10/28/96*	*10/29/96*	*11/06/96*	*11/07/96*
	Units							
LDR Volatile Organics (Cont'd.)								
Propanenitrile (Ethyl cyanide)	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
1,1,2,2-Tetrachloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,1,2-Tetrachloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Tetrachloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Toluene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,2-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,1-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Trichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Trichlorofluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,2,3-Trichloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Vinyl chloride	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
total Xylenes	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
	Extraction Date:	*10/09/96*	*10/11/96*	*10/23/96*	*10/26/96*	*10/28/96*	*10/29/96*	*11/04/96*
LDR Semi-Volatile Organics								
Acenaphthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethoxy) methane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-Chloroisopropyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
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NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Analysis Date: *Units*	*11/10/96*	*11/12/96*	*11/13/96*	*11/15/96*	*11/27/96*	*11/28/96*	*11/29/96*
LDR Volatile Organics (Cont'd.)								
Propanenitrile (Ethyl cyanide)	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
1,1,2,2-Tetrachloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,1,2-Tetrachloroethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Tetrachloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Toluene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,2-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
1,1,1-Trichloroethane	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Trichloroethene	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050
Trichlorofluoromethane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
1,2,3-Trichloropropane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Vinyl chloride	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
total Xylenes	mg/Kg	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050	ND 0.0050

	Extraction Date:	*11/22/96*	*11/23/96*	*11/27/96*	*12/13/96*
LDR Semi-Volatile Organics					
Acenaphthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acenaphthylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acetophenone	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Acetylaminofluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Acrylamide	mg/Kg	ND 10	ND 10	ND 10	ND 10
Aniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (a) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (b) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (g,h,i) perylene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzo (k) fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Benzal chloride	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Bromophenyl phenyl ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Butyl benzyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0
4-Chloro-3-methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Chloroaniline	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethoxy) methane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-chloroethyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Bis (2-Chloroisopropyl) ether	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chloronaphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Chlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Chrysene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
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NIAGARA FALLS, NEW YORK
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	Extraction Date:	*09/12/96*	*09/18/96*	*09/20/96*	*09/24/96*	*09/26/96*	*10/03/96*	*10/04/96*
	Units							
LDR Semi-Volatile Organics (Cont'd.)								
Di-n-butyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dimethylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitroso-di-n-butylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodi-n-propylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

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NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*10/09/96*	*10/11/96*	*10/23/96*	*10/26/96*	*10/28/96*	*10/29/96*	*11/04/96*
	Units							
LDR Semi-Volatile Organics (Cont'd.)								
Di-n-butyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dimethylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitroso-di-n-butylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodi-n-propylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*11/22/96*	*11/23/96*	*11/27/96*	*12/13/96*
	Units				
LDR Semi-Volatile Organics (Cont'd.)					
Di-n-butyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Di-n-octyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dibenzo (a,h) anthracene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,4-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,3-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2-Dichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,6-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Dimethyl phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dimethylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4,6-Dinitro-2-methylphenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
1,4-Dinitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2,6-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4-Dinitrotoluene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Diphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Disulfoton	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
bis (2-Ethylhexyl) phthalate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Famphur	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluoranthene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Fluorene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorobutadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachlorocyclopentadiene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Hexachloropropene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Indeno (1,2,3-c,d) pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Isosafrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methapyrilene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Methyl parathion	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylcholanthrene	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
3-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Methylphenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitroso-di-n-butylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodi-n-propylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*09/12/96*	*09/18/96*	*09/20/96*	*09/24/96*	*09/26/96*	*10/03/96*	*10/04/96*
	Units							
LDR Semi-Volatile Organics (Cont'd.)								
N-Nitrosodiethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodimethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodiphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomethylethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomorpholine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopiperidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopyrrolidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloronitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*10/09/96*	*10/11/96*	*10/23/96*	*10/26/96*	*10/28/96*	*10/29/96*	*11/04/96*
	Units							
LDR Semi-Volatile Organics (Cont'd.)								
N-Nitrosodiethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodimethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodiphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomethylethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomorpholine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopiperidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopyrrolidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloronitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*11/22/96*	*11/23/96*	*11/27/96*	*12/13/96*
	Units				
LDR Semi-Volatile Organics (Cont'd.)					
N-Nitrosodiethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodimethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosodiphenylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomethylethylamine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosomorpholine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopiperidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
N-Nitrosopyrrolidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Naphthalene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
5-Nitro-o-toluidine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
4-Nitroaniline	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Nitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
4-Nitrophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
2-Nitrophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Parathion	mg/Kg	ND 2.0	ND 2.0	ND 2.0	ND 2.0
Pentachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloroethane	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachloronitrobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pentachlorophenol	mg/Kg	ND 5.0	ND 5.0	ND 5.0	ND 5.0
Phenacetin	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenanthrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phorate	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Phthalic acid (as phthalic anhydride)	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Phthalic anhydride	mg/Kg	ND 8.0	ND 8.0	ND 8.0	ND 8.0
Pronamide	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyrene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Pyridine	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
Safrole	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4,5-Tetrachlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,3,4,6-Tetrachlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
1,2,4-Trichlorobenzene	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,6-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0
2,4,5-Trichlorophenol	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0

METHOD BLANK RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Extraction Date:	*09/12/96*	*09/18/96*	*09/20/96*	*09/24/96*	*10/04/96*	*10/09/96*	*10/23/96*
	Units							
LDR Chlorinated Pesticides/PCBs								
Aldrin	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Dieldrin	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1016	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1260	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
	Extraction Date:	*09/13/96*	*09/19/96*	*09/21/96*	*09/26/96*	*10/04/96*	*10/10/96*	*10/23/96*
LDR Herbicides								
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070

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	Extraction Date:	*10/29/96*	*11/04/96*	*11/22/96*	*11/24/96*	*11/27/96*
	Units					
LDR Chlorinated Pesticides/PCBs						
Aldrin	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
delta-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
beta-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-BHC	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
gamma-BHC (Lindane)	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Chlordane	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
gamma-Chlordane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
alpha-Chlordane	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
2,4'-DDD	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDD	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDE	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDE	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
2,4'-DDT	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
4,4'-DDT	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Dieldrin	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
beta-Endosulfan	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
alpha-Endosulfan	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Endosulfan sulfate	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Endrin aldehyde	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Heptachlor	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Heptachlor epoxide	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Isodrin	mg/Kg	ND 0.010	ND 0.010	ND 0.010	ND 0.010	ND 0.010
Kepone	mg/Kg	ND 0.020	ND 0.020	ND 0.020	ND 0.020	ND 0.020
Methoxychlor	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1016	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1221	mg/Kg	ND 0.25	ND 0.25	ND 0.25	ND 0.25	ND 0.25
Aroclor-1232	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1242	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1248	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1254	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Aroclor-1260	mg/Kg	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Toxaphene	mg/Kg	ND 0.20	ND 0.20	ND 0.20	ND 0.20	ND 0.20
	Extraction Date:	*10/29/96*	*11/07/96*	*11/13/96*	*11/25/96*	*12/09/96*
LDR Herbicides						
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	ND 0.34	ND 0.34	ND 0.34	ND 0.34	ND 0.34
2,4,5-T	mg/Kg	ND 0.14	ND 0.14	ND 0.14	ND 0.14	ND 0.14
2,4,5-TP (Silvex)	mg/Kg	ND 0.070	ND 0.070	ND 0.070	ND 0.070	ND 0.070

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	Extraction Date:	*09/18/96*	*09/19/96*	*09/23/96*	*09/24/96*	*09/25/96*	*09/30/96*	*10/07/96*	*10/22/96*	*10/25/96*
	Units									
PCDDs and PCDFs										
2,3,7,8-TCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8-PeCDD	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PCDDs and PCDFs										
Total TCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total PeCDD	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

	Extraction Date:	*10/31/96*	*11/04/96*	*11/07/96*	*11/12/96*	*11/14/96*	*11/20/96*	*12/03/96*	*12/04/96*	*12/09/96*
	Units									
PCDDs and PCDFs (Cont.)										
2,3,7,8-TCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8-PeCDD	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,6,7,8-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
1,2,3,7,8,9-HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
2,3,7,8-TCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8-PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
2,3,4,7,8-PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
1,2,3,4,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,6,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
2,3,4,6,7,8-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
1,2,3,7,8,9-HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

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	Extraction Date:	*10/31/96*	*11/04/96*	*11/07/96*	*11/12/96*	*11/14/96*	*11/20/96*	*12/03/96*	*12/04/96*	*12/09/96*
	Units									
Total PCDDs and PCDFs (Cont.)										
Total TCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total PeCDD	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Total HxCDD	ug/Kg	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Total TCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Total PeCDF	ug/Kg	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 61	ND 0.5
Total HxCDF	ug/Kg	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4	ND 0.4

	Extraction Date:	*09/12/96*	*09/15/96*	*09/20/96*	*09/24/96*	*09/25/96*	*09/26/96*	*10/02/96*	*10/07/96*	*10/19/96*
	Units									
LDR TCLP Metals										
Antimony	mg/L	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Barium	mg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Beryllium	mg/L	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005
Cadmium	mg/L	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04
Chromium	mg/L	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06
Lead	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Mercury	mg/L	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002
Nickel	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Selenium	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

	Extraction Date:	*10/24/96*	*10/29/96*	*10/31/96*	*11/08/96*	*11/14/96*	*11/21/96*	*11/22/96*	*11/23/96*	*11/25/96*
	Units									
LDR TCLP Metals										
Antimony	mg/L	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30	ND 0.30
Arsenic	mg/L	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5	ND 0.5
Barium	mg/L	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05	ND 0.05
Beryllium	mg/L	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005	ND 0.005
Cadmium	mg/L	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04	ND 0.04
Chromium	mg/L	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06	ND 0.06
Lead	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Mercury	mg/L	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002	ND 0.002
Nickel	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Selenium	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10
Silver	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Thallium	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Vanadium	mg/L	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050	ND 0.050
Zinc	mg/L	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10	ND 0.10

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	Extraction Date:	*09/13/96*	*09/16/96*	*09/19/96*	*09/26/96*	*10/01/96*
LDR TCLP Methanol	mg/L	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
	Extraction Date:	*10/04/96*	*10/22/96*	*10/29/96*	*11/04/96*	*11/07/96*
LDR TCLP Methanol	mg/L	ND 0.75	ND 0.75	ND 0.75	ND 0.75	ND 0.75
	Extraction Date:	*11/14/96*	*11/19/96*			
LDR TCLP Methanol	mg/L	ND 0.75	ND 0.75			
	Analysis Date:	*09/18/96*	*09/25/96*	*09/26/96*	*10/01/96*	*10/02/96*
Cyanide (total)	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
	Analysis Date:	*10/09/96*	*10/09/96*	*10/28/96*	*10/30/96*	*11/12/96*
Cyanide (total)	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	ND 1.0
	Analysis Date:	*11/19/96*	*11/21/96*	*11/26/96*	*11/27/96*	
Total Cyanide	mg/Kg	ND 1.0	ND 1.0	ND 1.0	ND 1.0	

Notes:
LDR Land Disposal Restriction.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.
TCLP Toxicity Characteristic Leaching Procedure.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
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	Laboratory Control Limits	RPD Limits	CD-05780			CS-06722			CD-12367			FC-14858			CS2-16212			CS-09471			HR-09904		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Volatile Organics																							
Benzene	66-142	21	116	116	0	121	121	0	123	122	1	119	121	2	123	122	1	128	130	2	123	125	2
Chlorobenzene	60-133	21	99	98	1	99	100	1	99	100	1	100	100	0	101	101	0	105	105	0	106	107	1
1,1-Dichloroethene	59-172	22	84	86	2	92	93	1	90	87	3	90	90	0	84	83	1	86	89	3	104	105	1
Toluene	59-139	21	104	105	1	106	106	0	105	107	2	105	105	0	108	105	3	112	113	1	114	114	0
Trichloroethene	62-137	24	94	94	0	100	101	1	100	100	0	103	101	2	99	99	0	104	102	2	107	107	0

			CS2-08221			CS-07109			CS-04169			CS-05183			CS-04902			CS-01089			CS-03478		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Volatile Organics																							
Benzene	66-142	21	124	125	1	119	118	1	120	118	2	103	104	1	118	121	3	111	113	2	122	122	0
Chlorobenzene	60-133	21	103	104	1	108	111	3	103	102	1	98	97	1	107	109	2	103	103	0	106	108	2
1,1-Dichloroethene	59-172	22	85	84	1	90	88	2	106	108	2	106	108	2	107	119	11	90	87	3	75	77	3
Toluene	59-139	21	105	112	6	116	117	1	117	114	3	111	111	0	126	127	1	121	121	0	117	119	2
Trichloroethene	62-137	24	97	96	1	104	103	1	100	100	0	86	86	0	94	94	0	89	89	0	85	85	0

			CS-11569			CD-14739		
			MS	MSD	RPD	MS	MSD	RPD
LDR Volatile Organics								
Benzene	66-142	21	112	112	0	104	106	2
Chlorobenzene	60-133	21	109	112	3	107	109	2
1,1-Dichloroethene	59-172	22	115	119	3	145	144	1
Toluene	59-139	21	112	113	1	113	114	1
Trichloroethene	62-137	24	99	98	1	104	105	1

			CS-05780			CD-12367			FC-14858			CS-09471			HR-09904			HR-09705			CS2-08221		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Semi-Volatile Organics																							
1,2,4-Trichlorobenzene	43-113	23	106	100	6	219*	154*	35*	78	102	27*	105	92	13	101	110	9	88	88	0	96	95	1
Acenaphthene	45-124	19	96	95	1	111	109	2	102	108	6	105	99	6	105	102	3	87	86	1	93	98	5
2,4-Dinitrotoluene	44-109	47	103	103	0	121*	118*	3	109	112*	3	102	99	3	96	96	0	88	88	0	87	95	9
Pyrene	24-142	36	100	113	12	135	130	4	106	135	24	105	95	10	105	110	5	91	93	2	109	115	5
n-Nitroso-di-n-propylam	44-115	38	107	95	12	118*	128*	8	88	124*	34	103	93	10	96	113	16	94	93	1	101	111	9
1,4-Dichlorobenzene	40-108	27	91	90	1	143*	138*	4	79	104	27	97	92	5	105	100	5	82	84	2	91	100	9
Pentachlorophenol	33-129	47	76	71	7	117	116	1	97	98	1	86	70	21	40	48	18	71	75	5	2*	3*	40
Phenol	60-97	35	92	73	23	88	107*	19	79	83	5	86	81	6	80	86	7	71	76	7	75	92	20
2-Chlorophenol	49-111	50	87	75	15	96	103	7	76	86	12	81	77	5	88	94	7	73	73	0	84	92	9
4-Chloro-3-methylpheno	49-120	33	87	87	0	114	107	6	90	96	6	94	86	9	97	102	5	82	83	1	88	89	1
4-Nitrophenol	41-133	50	93	83	11	117	115	2	81	84	4	86	77	11	88	88	0	69	73	6	38*	43	12

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	Laboratory Control Limits	RPD Limits	CS-07109			CS-04169			CS-05183			CS-03478			CD-11569			CD-14739		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Semi-Volatile Organics																				
1,2,4-Trichlorobenzene	43-113	23	88	85	3	78	69	12	102	98	4	95	100	5	112	110	2	153*	94	48*
Acenaphthene	45-124	19	98	88	11	76	73	4	99	90	10	98	100	2	101	104	3	115	107	7
2,4-Dinitrotoluene	44-109	47	91	85	7	75	73	3	98	94	4	87	90	3	95	98	3	111*	105	6
Pyrene	24-142	36	92	91	1	97	94	3	104	101	3	106	115	8	141	141	0	120	110	9
n-Nitroso-di-n-propylam	44-115	38	98	93	5	79	66	18	102	97	5	94	92	2	100	108	8	106	100	6
1,4-Dichlorobenzene	40-108	27	85	84	1	70	63	11	92	87	6	89	88	1	98	97	1	134*	92	37*
Pentachlorophenol	33-129	47	52	47	10	86	87	1	62	58	7	79	73	8	91	89	2	93	87	7
Phenol	60-97	35	82	77	6	71	69	3	98*	93	5	86	87	1	95	95	0	105*	97	8
2-Chlorophenol	49-111	50	81	80	1	72	66	9	96	93	3	88	90	2	98	98	0	104	98	6
4-Chloro-3-methylpheno	49-120	33	78	81	4	79	76	4	95	100	5	85	90	6	96	97	1	103	106	3
4-Nitrophenol	41-133	50	72	60	18	78	79	1	79	80	1	56	68	19	89	93	4	104	88	17

			CS-05780			CD-12367			FC-14858			CS-09471			HR-09904			CS2-08221			CS-07109		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Chlorinated Pesticides/PCBs																							
alpha-BHC	37-134	15	121	146*	19*	286*	337*	16*	225*	258*	14	86	37	80*	95	102	7	128	137*	7	121	119	2
gamma-BHC (Lindane)	32-127	23	122	127	4	289*	322*	11	56	119	72*	103	46	77*	108	114	5	157*	168*	7	111	125	12
beta-BHC	17-147	14	154*	150*	3	1288*	1329*	3	333*	483*	37*	137	60	78*	70	68	3	137	145	6	118	150*	24*
Heptachlor	34-111	22	120*	117*	3	217*	239*	10	103	105	2	92	34	92*	123*	130*	6	129*	128*	1	114*	132*	15
delta-BHC	19-140	22	155*	158*	2	600*	743*	21	0*	78	200*	137	59	80*	131	138	5	345*	378*	9	108	144*	29*
Aldrin	42-122	15	143*	135*	6	1050*	1192*	13	322*	363*	12	119	52	78*	158*	163*	3	775*	753*	3	106	126*	17*
Isodrin	29-173	24	116	135	15	286*	286*	0	130	158	19	115	53	74*	116	120	3	92	91	1	105	130	21
Heptachlor epoxide	37-142	16	202*	161*	23*	291*	334*	14	117	110	6	139	61	78*	165*	155*	6	114	113	1	128	157*	20*
gamma-Chlordane	20-193	13	144	133	8	286*	294*	3	68	91	29*	93	49	62*	138	140	1	100	105	5	86	114	28*
alpha-Chlordane	27-163	13	149	133	11	311*	173*	57*	84	93	10	122	57	73*	122	128	5	140	142	1	95	131	32*
alpha-Endosulfan	45-153	20	184*	145	24*	328*	357*	8	171*	162*	5	82	37*	76*	149	123	19	178*	163*	9	101	135	29*
4-4'-DDE	30-145	16	197*	165*	18*	693*	498*	33*	113	121	7	127	64	66*	116	121	4	143	137	4	91	159*	54*
Dieldrin	36-146	13	145	134	8	368*	356*	3	87	88	1	156*	78	67*	128	133	4	99	97	2	95	134	34*
Endrin	30-147	13	241*	257*	6	318*	291*	9	70	81	15*	132	61	74*	126	131	4	161*	151*	6	102	174*	52*
4,4'-DDD	31-141	17	147*	116	24*	267*	233*	14	64	72	12	91	52	55*	114	113	1	89	81	9	61	110	57*
beta-Endosulfan	10-202	18	166	137	19*	256*	493*	63*	51	58	13	79	44	57*	91	93	2	139	165	17	60	124	70*
4,4'-DDT	25-160	19	207*	111	60*	189*	169*	11	38	39	3	85	48	56*	112	112	0	50	45	11	55	84	42*
Endrin aldehyde	13-145	21	128	72	56*	151*	130	15	38	39	3	68	36	62*	62	50	21	42	41	2	61	106	54*
Endosulfan sulfate	26-144	16	149*	117	24*	198*	154*	25*	50	51	2	87	51	52*	118	116	2	63	54	15	54	94	54*
Methoxychlor	47-160	14	133	94	34*	50	59	17*	31*	24*	25*	71	42*	51*	100	104	4	35*	30*	15*	41*	87	72*
Endrin ketone	28-170	12	151	106	35*	117	154	27*	61	59	3	72	42	53*	103	105	2	70	64	9	47	96	69*
Kepone	25-150	40	17*	6*	96*	88	140	46*	5*	4*	22	5*	5*	0	4*	4*	0	51	47	8	23*	32	33

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	Laboratory Control Limits	RPD Limits	CS-04169			CS-05183			CS-03478			CD-11569		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Chlorinated Pesticides/PCBs														
alpha-BHC	37-134	15	128	107	18*	106	114	7	110	110	0	157*	175*	11
gamma-BHC (Lindane)	32-127	23	123	110	11	120	120	0	111	108	3	156*	173*	10
beta-BHC	17-147	14	153*	140	9	164*	167*	2	150*	150*	0	165*	178*	8
Heptachlor	34-111	22	114*	105	8	162*	152*	6	131*	138*	5	129*	140*	8
delta-BHC	19-140	22	135	122	10	140	142*	1	146*	138	6	143*	203*	35*
Aldrin	42-122	15	126*	120	5	128*	119	7	107	110	3	324*	366*	12
Isodrin	29-173	24	123	117	5	145	134	8	118	117	1	135	146	8
Heptachlor epoxide	37-142	16	177*	165*	7	180*	184	2	148*	162*	9	201*	215*	7
gamma-Chlordane	20-193	13	112	118	5	120	118	2	113	112	1	136	140	3
alpha-Chlordane	27-163	13	128	130	2	128	124	3	118	119	1	174*	173*	1
alpha-Endosulfan	45-153	20	161*	149	8	173*	193*	11	143	143	0	323*	348*	7
4-4'-DDE	30-145	16	141	155*	9	163*	115	35*	144	160*	11	175*	180*	3
Dieldrin	36-146	13	128	138	8	132	136	3	129	125	3	166*	166*	0
Endrin	30-147	13	115	132	14*	161*	173*	7	153*	150*	2	160*	160*	0
4,4'-DDD	31-141	17	115	142*	21*	94	111	17	119	112	6	173*	170*	2
beta-Endosulfan	10-202	18	105	125	17	92	104	12	105	91	14	77	73	5
4,4'-DDT	25-160	19	106	126	17	91	91	0	106	116	9	122	107	13
Endrin aldehyde	13-145	21	97	118	20	89	104	16	91	91	0	98	87	12
Endosulfan sulfate	26-144	16	92	109	17*	86	99	14	106	98	8	142	135	5
Methoxychlor	47-160	14	86	102	17*	72	92	24*	91	79	14	104	91	13
Endrin ketone	28-170	12	94	116	21*	85	105	21*	116	101	14*	118	108	9
Kepone	25-150	40	35	53	41*	26	23*	12	26	29	11	42	40	5

			CS-05780			CD-12367			FC-14858			CS-09471			HR-09904			CS2-08221			CS-07109		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Herbicides																							
2,4-D	40-164	47	73	79	8	71	70	1	69	78	12	80	93	15	78	72	8	65	40	48*	74	71	4
2,4,5-TP (Silvex)	39-151	25	76	83	9	68	65	5	74	72	3	86	100	15	87	79	10	54	57	5	92	78	16
2,4,5-T	52-134	36	84	88	5	82	86	5	76	76	0	93	109	16	79	71	11	83	58	35	89	74	18

			CS-05460			CS-05183			CS-03478			CS-11569			CD-14739		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR Herbicides																	
2,4-D	40-164	47	68	73	7	78	84	7	65	82	23	58	73	23	71	63	12
2,4,5-TP (Silvex)	39-151	25	64	78	20	80	85	6	75	72	4	66	66	0	66	66	0
2,4,5-T	52-134	36	71	82	14	93	98	5	78	89	13	79	102	25	80	81	1

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	Laboratory Control Limits	*RPD Limits*	*CS-05780*			*CD-12367*			*FC-14858*			*CS-09471*			*HR-09904*			*CS-07109*		
			MS	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*
PCDDs/PCDFs																				
2,3,7,8-TCDF	50-150	30	104	100	4	102	118	15	110	98	12	108	112	4	108	110	2	114	112	2
1,2,3,7,8-PeCDF	50-150	30	118	130	10	122	119	2	146	160*	9	124	110	12	130	137	5	140	144	3
2,3,4,7,8-PeCDF	50-150	30	112	128	13	124	116	7	138	146	6	121	110	10	137	146	6	128	137	7
2,3,7,8-TCDD	50-150	30	76	52	38*	130	110	17	104	106	2	108	106	2	116	112	4	100	98	2
1,2,3,7,8-PeCDD	50-150	30	99	90	10	117	98	18	155*	140	10	126	103	20	146	149	2	129	132	2
1,2,3,4,7,8-HxCDF	50-150	30	122	133	9	122	114	7	134	143	6	140	140	0	142	134	6	145	152*	5
1,2,3,6,7,8-HxCDF	50-150	30	114	131	14	120	134	11	120	139	15	130	131	1	138	130	6	146	146	0
2,3,4,6,7,8-HxCDF	50-150	30	114	132	15	120	123	2	130	136	5	134	135	1	145	128	12	146	141	3
1,2,3,7,8,9-HxCDF	50-150	30	114	124	8	114	124	8	122	138	12	127	126	1	133	127	5	121	116	4
1,2,3,4,7,8-HxCDD	50-150	30	114	116	2	96	84	13	110	122	10	106	121	13	128	134	5	134	121	10
1,2,3,6,7,8-HxCDD	50-150	30	105	103	2	98	98	0	110	126	14	96	99	3	107	118	10	124	122	2
1,2,3,7,8,9-HxCDD	50-150	30	87	103	17	90	84	7	106	117	10	96	100	4	124	134	8	126	114	10

			CS-05183			*CS-03478*			*CD-11569*			*CS2-08221*			*CS-04169*			*CD-14739*		
			MS	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*
PCDDs/PCDFs																				
2,3,7,8-TCDF	50-150	30	102	106	4	108	106	2	86	92	7	70	68	3	108	106	2	86	98	13
1,2,3,7,8-PeCDF	50-150	30	141	146	3	146	145	1	124	136	9	114	118	3	142	131	8	131	130	1
2,3,4,7,8-PeCDF	50-150	30	138	141	2	131	117	11	116	129	11	122	119	2	134	132	2	135	134	1
2,3,7,8-TCDD	50-150	30	96	96	0	122	110	10	100	76	27	116	116	0	96	98	2	98	104	6
1,2,3,7,8-PeCDD	50-150	30	136	134	1	142	141	1	126	123	2	105	97	8	139	123	12	102	111	8
1,2,3,4,7,8-HxCDF	50-150	30	142	138	3	138	136	1	106	110	4	129	134	4	144	146	1	126	130	3
1,2,3,6,7,8-HxCDF	50-150	30	142	135	5	138	146	6	110	117	6	121	130	7	138	140	1	137	136	1
1,2,4,6,7,8-HxCDF	50-150	30	142	138	3	130	144	10	92	107	15	115	123	7	147	142	3	130	129	1
2,3,4,6,7,8-HxCDF	50-150	30	138	134	3	124	124	0	94	106	12	99	108	9	137	133	3	121	116	4
1,2,3,4,7,8-HxCDD	50-150	30	108	109	1	94	101	7	96	87	10	129	114	12	125	110	13	103	101	2
1,2,3,6,7,8-HxCDD	50-150	30	96	106	10	92	94	2	91	82	10	107	106	1	103	97	6	94	100	6
1,2,3,7,8,9-HxCDD	50-150	30	100	100	0	91	102	11	81	80	1	102	104	2	105	89	16	82	82	0

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	Laboratory Control Limits	*RPD Limits*	*CS-05780*			*CD-12367*			*FC-14858*			*FC-15171*			*CS-09471*			*HR-09904*			*CS2-08221*		
			MS	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*
LDR TCLP Metals																							
Antimony	50-150	20	99	99	0	99	103	4	91	93	2	93	94	1	92	97	5	97	99	2	97	101	4
Arsenic	50-150	20	101	105	4	109	114	4	103	102	1	104	105	1	102	103	1	95	96	1	105	104	1
Barium	50-150	20	91	91	0	95	101	6	108	105	3	116	114	2	102	98	4	104	104	0	103	106	3
Beryllium	50-150	20	98	98	0	97	100	3	98	97	1	98	99	1	99	100	1	96	97	1	102	106	4
Cadmium	50-150	20	87	89	2	93	97	4	89	90	1	88	91	3	88	90	2	88	87	1	89	92	3
Chromium	50-150	20	91	92	1	97	100	3	92	92	0	91	93	2	92	93	1	91	90	1	96	97	1
Lead	50-150	20	102	97	5	94	112	17	102	100	2	99	117	17	100	112	11	95	97	2	101	105	4
Mercury	50-150	20	103	100	3	111	99	11	119	109	9	-	-	-	80	112	33*	95	108	13	94	98	4
Nickel	50-150	20	91	91	0	90	97	7	104	106	2	109	109	0	98	100	2	95	94	1	106	106	0
Selenium	50-150	20	101	103	2	101	113	11	103	103	0	99	104	5	97	98	1	96	94	2	102	105	3
Silver	50-150	20	105	107	2	94	98	4	89	87	2	86	86	0	101	102	1	98	96	2	95	99	4
Thallium	50-150	20	85	89	5	87	101	15	90	90	0	90	87	3	83	89	7	81	81	0	86	84	2
Vanadium	50-150	20	94	94	0	93	96	3	92	91	1	92	93	1	93	93	0	92	93	1	98	101	3
Zinc	50-150	20	87	88	1	93	100	7	92	94	2	97	96	1	88	89	1	91	93	2	93	98	5

			CS-07109			*CS-05183*			*CS-01089*			*CS-04169*			*CS-03478*			*CS-11081*			*CD-11569*		
			MS	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*	*MS*	*MSD*	*RPD*
LDR TCLP Metals																							
Antimony	50-150	20	106	102	4	93	95	2	104	106	2	104	103	1	106	105	1	103	108	5	103	99	4
Arsenic	50-150	20	115	115	0	109	105	4	112	108	4	106	108	2	112	111	1	110	108	2	109	106	3
Barium	50-150	20	105	106	1	103	92	11	107	110	3	101	105	4	96	94	2	109	109	0	108	106	2
Beryllium	50-150	20	98	97	1	98	96	2	102	102	0	96	101	5	104	104	0	97	97	0	95	93	2
Cadmium	50-150	20	104	103	1	92	88	4	93	92	1	89	91	2	91	93	2	98	97	1	94	92	2
Chromium	50-150	20	108	105	3	93	91	2	98	97	1	92	94	2	95	95	0	99	99	0	96	95	1
Lead	50-150	20	112	112	0	115	87	28*	113	87	26*	110	100	10	94	101	7	95	96	1	96	91	5
Mercury	50-150	20	113	108	5	112	135	19	93	94	1	113	109	4	112	115	3	111	106	5	102	95	7
Nickel	50-150	20	98	98	0	104	93	11	101	104	3	108	107	1	106	99	7	93	93	0	89	88	1
Selenium	50-150	20	133	130	2	97	94	3	100	98	2	95	98	3	102	102	0	110	114	4	112	106	6
Silver	50-150	20	102	97	5	95	93	2	92	90	2	92	94	2	90	93	3	100	97	3	99	100	1
Thallium	50-150	20	98	95	3	83	79	5	89	90	1	84	90	7	89	86	3	84	85	1	84	84	0
Vanadium	50-150	20	106	106	0	95	94	1	101	100	1	94	99	5	103	103	0	105	106	1	103	101	2
Zinc	50-150	20	80	79	1	72	70	3	86	86	0	80	86	7	76	78	3	100	99	1	98	96	2

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

	Laboratory Control Limits	RPD Limits	CD-13020			CD-14445		
			MS	MSD	RPD	MS	MSD	RPD
LDR TCLP Metals								
Antimony	50-150	20	100	98	2	105	102	4
Arsenic	50-150	20	108	107	1	104	100	4
Barium	50-150	20	104	104	0	101	99	2
Beryllium	50-150	20	95	96	1	101	98	3
Cadmium	50-150	20	94	93	1	89	87	2
Chromium	50-150	20	96	97	1	98	95	3
Lead	50-150	20	91	93	2	118	111	6
Mercury	50-150	20	107	79	30*	112	102	9
Nickel	50-150	20	90	91	1	101	98	3
Selenium	50-150	20	108	112	4	96	97	1
Silver	50-150	20	99	99	0	88	85	3
Thallium	50-150	20	80	81	1	84	83	1
Vanadium	50-150	20	102	103	1	98	96	2
Zinc	50-150	20	97	97	0	77	71	8

			CS-05780			CD-12367			CS-09471			HR-09904			CS2-08221			CS-07109			CS-04169		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR TCLP Methanol	30-160	60	90	88	2	108	120	11	95	71	29	112	109	3	105	96	9	61	63	3	95	105	10

			CS-05183			CS-03478			CD-11569			CD-14739		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
LDR TCLP Methanol	30-160	60	101	111	9	107	108	1	95	92	3	79	77	3

			CS-05780			CS-04169			CD-12367			FC-14858			CS-09471			HR-09904			CS2-08221		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
Cyanide (total)	75-125	20	95	97	2	103	100	3	91	103	12	101	99	2	92	92	0	85	100	16	106	104	2

			CS-05183			CS-03478			CD-11569			CD-14739		
			MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD	MS	MSD	RPD
Cyanide (total)	75-125	20	100	103	3	106	103	3	113	101	11	99	97	2

Notes:
* Value outside QC Limits.
LDR Land Disposal Restriction.
PCBs Polychlorinated Biphenyls.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.
RPD Relative Percent Difference.
TCLP Toxicity Characteristics Leaching Procedure.

BS/BSD RECOVERY SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER-NOVEMBER 1996

		Analysis Date:	*09/21/96*			*09/21/96*			*09/22/96*			*09/23/96*			*09/23/96*			*09/24/96*		
	Control Limits	*RPD Limits*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*
LDR Volatile Organics																				
Benzene	76-136	15	119	117	2	120	122	2	124	125	1	124	125	1	125	125	0	126	125	1
Bromodichloromethane	78-131	15	107	109	2	104	105	1	108	110	2	107	109	2	106	107	1	104	107	3
Bromoform	68-124	15	99	104	5	91	99	8	96	103	7	91	100	9	98	95	3	87	98	12
Carbon tetrachloride	70-136	15	107	115	7	102	115	12	130	130	0	114	119	4	118	125	6	109	115	5
Chlorobenzene	73-127	15	101	102	1	102	102	0	104	104	0	103	103	0	103	101	2	105	104	1
Chloroform	78-126	15	111	110	1	109	112	3	114	113	1	113	113	0	113	113	0	115	115	0
Dibromochloromethane	67-133	15	101	104	3	94	99	5	98	103	5	96	100	4	96	96	0	92	98	6
1,1-Dichloroethane	66-140	15	108	106	2	108	107	1	110	110	0	104	107	3	105	103	2	105	108	3
1,2-Dichloroethane	63-140	15	117	119	2	110	114	4	112	115	3	114	118	3	118	118	0	114	117	3
1,1-Dichloroethene	47-187	15	109	107	2	112	111	1	120	116	3	114	112	2	113	112	1	118	116	2
trans-1,2-Dichloroethene	69-143	15	119	118	1	120	121	1	123	123	0	115	119	3	115	116	1	120	122	2
1,2-Dichloropropane	70-122	15	110	109	1	106	107	1	109	110	1	113	113	0	112	114	2	114	114	0
Ethyl benzene	73-129	15	104	105	1	107	105	2	109	112	3	105	110	5	118	112	5	120	120	0
Methylene chloride	61-163	15	96	92	4	86	85	1	71	72	1	68	70	3	71	70	1	68	70	3
1,1,2,2-Tetrachloroethane	68-120	15	98	104	6	85	98	14	88	91	3	87	98	12	102	100	2	80	92	14
Tetrachlorethene	61-135	15	98	97	1	100	101	1	106	104	2	104	104	0	103	104	1	109	106	3
Toluene	71-133	15	104	102	2	106	107	1	109	107	2	110	107	3	109	109	0	110	110	0
1,1,1-Trichloroethane	67-129	15	102	103	1	104	106	2	111	112	1	110	112	2	112	112	0	112	113	1
1,1,2-Trichloroethane	73-125	15	106	106	0	98	103	5	100	103	3	102	106	4	105	103	2	102	104	2
Trichloroethene	64-152	15	107	106	1	108	108	0	111	115	4	115	112	3	110	110	0	115	114	1

		Analysis Date:	*10/08/96*			*10/09/96*			*10/09/96*			*10/10/96*			*10/11/96*			*10/28/96*		
			BS	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*
LDR Volatile Organics																				
Benzene	76-136	15	123	125	2	131	129	2	130	127	2	129	130	1	125	122	2	114	114	0
Bromodichloromethane	78-131	15	112	116	4	115	115	0	120	121	1	120	121	1	118	111	6	104	105	1
Bromoform	68-124	15	124	121	2	108	116	7	116	115	1	114	122	7	123	108	13	101	102	1
Carbon tetrachloride	70-136	15	102	92	10	112	114	2	111	110	1	121	120	1	118	110	7	107	108	1
Chlorobenzene	73-127	15	110	111	1	111	112	1	116	115	1	116	115	1	108	108	0	103	104	1
Chloroform	78-126	15	100	100	0	111	116	4	124	123	1	124	125	1	117	113	3	107	108	1
Dibromochloromethane	67-133	15	113	112	1	109	111	2	118	119	1	114	116	2	116	107	8	102	103	1
1,1-Dichloroethane	66-140	15	107	103	4	112	112	0	119	114	4	119	117	2	102	102	0	102	103	1
1,2-Dichloroethane	63-140	15	131	132	1	127	127	0	134	132	2	126	130	3	133	122	9	115	113	2
1,1-Dichloroethene	47-187	15	92	92	0	98	93	5	96	92	4	102	98	4	85	90	6	98	98	0
trans-1,2-Dichloroethene	69-143	15	109	108	1	111	111	0	119	116	3	123	118	4	100	102	2	108	106	2
1,2-Dichloropropane	70-122	15	118	119	1	122	121	1	117	116	1	122	122	0	118	113	4	106	106	0
Ethyl benzene	73-129	15	120	119	1	124	124	0	113	110	3	129	128	1	117	119	2	116	117	1
Methylene chloride	61-163	15	97	97	0	97	98	1	110	108	2	110	107	3	97	94	3	89	85	5
1,1,2,2-Tetrachloroethane	68-120	15	117	117	0	110	120	9	115	114	1	110	120	9	106	108	2	100	103	3
Tetrachlorethene	61-135	15	110	110	0	110	110	0	111	111	0	117	117	0	105	111	6	106	108	2
Toluene	71-133	15	113	113	0	118	116	2	117	116	1	118	117	1	112	111	1	105	107	2
1,1,1-Trichloroethane	67-129	15	104	105	1	103	108	5	111	108	3	114	116	2	111	109	2	108	109	1
1,1,2-Trichloroethane	73-125	15	122	122	0	115	120	4	115	116	1	118	121	3	121	111	9	103	105	2
Trichloroethene	64-152	15	111	111	0	112	112	0	113	113	0	116	117	1	109	110	1	107	108	1

BS/BSD RECOVERY SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER-NOVEMBER 1996

		Analysis Date:	*10/29/96*			*11/06/96*			*11/06/96*			*11/10/96*			*11/12/96*			*11/12/96*		
	Control Limits	*RPD Limits*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*
LDR Volatile Organics																				
Benzene	76-136	15	121	120	1	96	98	2	102	102	0	97	98	1	117	109	7	109	111	2
Bromodichloromethane	78-131	15	111	111	0	92	92	0	98	98	0	78	80	3	89	97	9	97	97	0
Bromoform	68-124	15	108	103	5	88	90	2	95	96	1	69	69	0	82	91	10	95	96	1
Carbon tetrachloride	70-136	15	118	115	3	98	100	2	115	114	1	74	72	3	93	95	2	101	103	2
Chlorobenzene	73-127	15	112	108	4	90	92	2	96	95	1	97	96	1	105	106	1	104	106	2
Chloroform	78-126	15	116	115	1	96	95	1	100	100	0	85	89	5	106	106	0	105	107	2
Dibromochloromethane	67-133	15	109	105	4	92	92	0	95	96	1	79	74	7	90	99	10	99	100	1
1,1-Dichloroethane	66-140	15	106	102	4	78	79	1	89	87	2	99	101	2	111	121	9	133	130	2
1,2-Dichloroethane	63-140	15	120	120	0	101	100	1	107	108	1	86	85	1	94	94	0	94	97	3
1,1-Dichloroethene	47-187	15	103	99	4	67	66	2	80	77	4	106	108	2	104	110	6	123	114	8
trans-1,2-Dichloroethene	69-143	15	111	107	4	83	82	1	95	93	2	129	131	2	103	109	6	123	114	8
1,2-Dichloropropane	70-122	15	110	109	1	90	90	0	95	96	1	94	94	0	107	106	1	106	106	0
Ethyl benzene	73-129	15	124	120	3	100	102	2	108	106	2	107	106	1	119	120	1	119	121	2
Methylene chloride	61-163	15	112	111	1	74	73	1	101	98	3	101	105	4	105	110	5	90	80	12
1,1,2,2-Tetrachloroethane	68-120	15	108	104	4	105	92	13	115	118	3	73	75	3	109	113	4	109	105	4
Tetrachlorethene	61-135	15	116	112	4	90	92	2	101	101	0	99	96	3	104	106	2	105	108	3
Toluene	71-133	15	115	112	3	94	96	2	101	101	0	103	101	2	122	119	2	118	119	1
1,1,1-Trichloroethane	67-129	15	119	116	3	89	92	3	104	103	1	94	90	4	96	98	2	102	103	1
1,1,2-Trichloroethane	73-125	15	111	106	5	89	92	3	95	98	3	88	88	0	107	108	1	105	112	6
Trichloroethene	64-152	15	113	111	2	89	90	1	98	98	0	90	89	1	95	93	2	96	110	14

		Analysis Date:	*11/15/96*			*11/27/96*			*11/27/96*			*11/29/96*		
			BS	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*	*BS*	*BSD*	*RPD*
LDR Volatile Organics														
Benzene	76-136	15	107	106	1	114	110	4	85	83	2	106	106	0
Bromodichloromethane	78-131	15	114	114	0	107	109	2	91	91	0	109	110	1
Bromoform	68-124	15	101	104	3	100	104	4	96	96	0	112	106	6
Carbon tetrachloride	70-136	15	78	76	3	93	91	2	82	81	1	107	109	2
Chlorobenzene	73-127	15	103	105	2	107	109	2	94	91	3	106	106	0
Chloroform	78-126	15	80	82	2	107	107	0	86	85	1	108	107	1
Dibromochloromethane	67-133	15	104	105	1	103	106	3	95	93	2	111	111	0
1,1-Dichloroethane	66-140	15	75	81	8	108	113	5	83	81	2	119	122	2
1,2-Dichloroethane	63-140	15	111	111	0	105	106	1	86	85	1	101	99	2
1,1-Dichloroethene	47-187	15	107	102	5	125	126	1	76	75	1	149	157	5
trans-1,2-Dichloroethene	69-143	15	120	130	8	127	130	2	89	88	1	143	143	0
1,2-Dichloropropane	70-122	15	113	116	3	108	107	1	88	88	0	101	101	0
Ethyl benzene	73-129	15	112	114	2	105	104	1	93	89	4	102	106	4
Methylene chloride	61-163	15	105	108	3	125	129	3	88	88	0	138	141	2
1,1,2,2-Tetrachloroethane	68-120	15	105	111	6	91	95	4	88	93	6	101	99	2
Tetrachlorethene	61-135	15	93	94	1	98	96	2	91	86	6	106	108	2
Toluene	71-133	15	106	107	1	106	106	0	89	86	3	108	110	2
1,1,1-Trichloroethane	67-129	15	79	80	1	100	97	3	83	82	1	102	103	1
1,1,2-Trichloroethane	73-125	15	109	109	0	100	104	4	92	91	1	105	102	3
Trichloroethene	64-152	15	89	89	0	107	106	1	88	86	2	108	111	3

BS/BSD RECOVERY SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER-NOVEMBER 1996

		Extraction Date:	09/12/96			09/18/96			09/20/96			09/24/96			09/26/96			10/04/96			10/09/96		
	Control Limits	RPD Limits	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR Semi-Volatile Organics																							
2-Chlorophenol	57-112	25	84	90	7	93	93	0	92	108	16	77	93	19	87	77	12	82	77	6	94	89	5
bis(2-Chloroethyl) ether	53-133	25	89	97	9	99	101	2	96	115	18	85	101	17	-	-	-	90	85	6	103	93	10
Phenol	58-120	25	83	86	4	94	91	3	94	108	14	79	94	17	91	86	6	85	80	6	88	91	3
1,3-Dichlorobenzene	65-119	25	81	88	8	95	99	4	96	105	9	84	87	4	-	-	-	86	78	10	95	97	2
1,4-Dichlorobenzene	67-119	25	88	90	2	93	98	5	108	106	2	84	91	8	100	83	19	85	82	4	94	95	1
1,2-Dichlorobenzene	71-116	25	92	99	7	100	99	1	100	104	4	83	90	8	-	-	-	90	78	14	98	95	3
bis(2-Chloroisopropyl) ether	67-156	25	92	98	6	104	101	3	103	108	5	85	95	11	-	-	-	86	80	7	98	94	4
Hexachloroethane	62-133	25	97	90	7	105	98	7	106	109	3	84	97	14	-	-	-	91	78	15	93	99	6
n-Nitroso-di-n-propylamine	79-114	25	108	89	19	100	92	8	108	106	2	81	89	9	113	108	5	83	79	5	98	93	5
Nitrobenzene	57-114	26	103	120*	15	113	104	8	123*	116*	6	111	93	18	-	-	-	82	90	9	96	92	4
2-Nitrophenol	58-108	25	84	103	20	96	88	9	99	101	2	75	80	6	-	-	-	72	81	12	79	81	3
2,4-Dimethylphenol	53-129	50	71	84	17	86	80	7	94	92	2	77	89	14	-	-	-	80	81	1	82	87	6
bis(2-Chloroethoxy) methane	84-124	25	96	107	11	109	102	7	119	117	2	90	102	13	-	-	-	93	97	4	102	100	2
2,4-Dichlorophenol	75-100	25	97	95	2	90	85	6	99	99	0	75	83	10	-	-	-	79	78	1	90	89	1
1,2,4-Trichlorobenzene	74-120	25	94	101	7	98	97	1	110	100	10	76	89	16	103	86	18	86	82	5	96	97	1
Naphthalene	77-116	25	93	104	11	100	103	3	110	102	8	82	91	10	-	-	-	90	95	5	99	105	6
Hexachlorobutadiene	79-132	26	106	123	15	108	106	2	116	108	7	85	100	16	-	-	-	86	98	13	98	95	3
4-Chloro-3-methylphenol	80-110	25	86	106	21	92	88	4	99	96	3	82	86	5	102	93	9	80	88	10	93	93	0
Hexachlorocyclopentadiene	30-106	25	64	73	13	69	63	9	85	84	1	59	58	2	-	-	-	98	99	1	82	91	10
2,4,6-Trichlorophenol	60-119	25	77	84	9	88	82	7	94	86	9	81	86	6	-	-	-	76	69	10	82	85	4
2-Chloronaphthalene	64-125	25	87	96	10	94	92	2	105	101	4	88	92	4	-	-	-	88	81	8	94	94	0
Acenaphthylene	69-118	25	100	94	6	93	97	4	111	112	1	96	93	3	-	-	-	92	90	2	104	103	1
Dimethylphthalate	56-153	25	101	97	4	97	97	0	103	113	9	92	92	0	-	-	-	88	85	3	101	101	0
2,6-Dinitrotoluene	61-132	25	106	105	1	100	97	3	107	90	17	86	94	9	-	-	-	81	89	9	80	101	23
Acenaphthene	68-131	25	104	107	3	105	104	1	110	110	0	93	96	3	113	110	3	89	88	1	101	102	1
2,4-Dinitrophenol	10-55	124	41	37	10	39	31	23	70*	75*	7	30	28	7	-	-	-	51	53	4	55	60*	9
2,4-Dinitrotoluene	78-121	25	105	109	4	103	96	7	113	113	0	90	99	10	118	121	3	88	87	1	104	109	5
4-Nitrophenol	56-109	28	90	87	3	83	73	13	84	87	4	76	84	10	70	82	16	65	66	2	86	94	9
Fluorene	67-131	25	107	107	0	105	99	6	111	112	1	91	98	7	-	-	-	88	86	2	102	99	3
4-Chlorophenyl phenyl ether	67-133	25	99	105	6	103	98	5	109	105	4	89	98	10	-	-	-	82	78	5	93	95	2
Diethylphthalate	70-129	25	97	100	3	100	95	5	110	90	20	94	94	0	-	-	-	88	85	3	98	101	3
4,6-Dinitro-2-methylphenol	18-96	85	94	102*	8	96	89	8	108*	106*	2	60	57	5	-	-	-	83	84	1	79	95	18
n-Nitrosodiphenylamine	66-142	25	99	103	4	100	96	4	120	112	7	99	93	6	-	-	-	102	90	13	105	111	6
4-Bromophenyl phenyl ether	69-130	25	105	103	2	103	105	2	99	97	2	83	82	1	-	-	-	88	76	15	85	87	2
Hexachlorobenzene	65-121	25	95	97	2	96	94	2	112	106	6	90	92	2	-	-	-	94	83	12	90	95	5
Pentachlorophenol	18-92	54	88	85	3	86	80	7	99*	100*	1	68	65	5	42	56	29	78	70	11	75	78	4
Phenanthrene	61-132	25	81	107	28*	103	95	8	115	111	4	95	97	2	-	-	-	96	90	6	102	105	3
Anthracene	70-127	25	105	104	1	104	102	2	113	110	3	101	95	6	-	-	-	104	94	10	100	104	4
Di-n-butyl phthalate	77-122	25	101	104	3	100	91	9	113	113	0	100	94	6	-	-	-	106	94	12	96	102	6
Fluoranthene	67-136	25	104	103	1	92	94	2	116	111	4	105	99	6	-	-	-	103	91	12	98	108	10
Pyrene	65-145	25	108	107	1	110	114	4	122	119	2	91	87	4	112	107	5	87	83	5	110	102	8
Butyl benzyl phthalate	89-136	25	111	113	2	105	110	5	134	134	0	98	96	2	-	-	-	96	90	6	118	113	4
Benzo (a) anthracene	66-141	25	104	103	1	108	106	2	123	118	4	96	99	3	-	-	-	90	91	1	111	114	3
Chrysene	64-131	25	114	112	2	121	123	2	130	127	2	106	104	2	-	-	-	108	100	8	114	123	8
bis(2-Ethylhexyl)phthalate	79-150	25	135	131	3	109	113	4	135	130	4	91	94	3	-	-	-	104	95	9	117	116	1
Di-n-octyl phthalate	68-147	25	117	119	2	110	126	14	143	144	1	101	104	3	-	-	-	94	92	2	115	112	3
Benzo (b) fluoranthene	41-141	25	97	99	2	97	107	10	117	119	2	95	103	8	-	-	-	76	74	3	99	106	7
Benzo (k) fluoranthene	60-125	25	109	109	0	118	122	3	133*	126*	5	109	101	8	-	-	-	106	107	1	114	111	3
Benzo (a) pyrene	68-128	25	104	106	2	109	115	5	133*	129*	3	109	109	0	-	-	-	90	90	0	112	116	4
Indeno (1,2,3-cd) pyrene	29-170	25	104	107	3	111	110	1	122	123	1	100	103	3	-	-	-	83	82	1	109	112	3
Dibenzo (a,h) anthracene	50-123	25	105	108	3	112	106	6	117	127*	8	100	107	7	-	-	-	88	87	1	115	119	3
Benzo (g,h,i) perylene	57-130	25	107	106	1	108	108	0	111	113	2	95	97	2	-	-	-	83	82	1	110	113	3

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		Extraction Date:	10/11/96			10/23/96			10/26/96			10/29/96			11/04/96			11/22/96			11/23/96			11/27/96		
	Control Limits	RPD Limits	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR Semi-Volatile Organics																										
2-Chlorophenol	57-112	25	89	84	6	80	83	4	76	83	9	81	81	0	83	79	5	90	92	2	61	106	54*	103	96	7
bis(2-Chloroethyl) ether	53-133	25	98	91	7	-	-	-	-	-	-	73	70	4	82	81	1	93	89	4	64	107	50*	97	94	3
Phenol	58-120	25	87	82	6	78	82	5	71	79	11	80	80	0	86	80	7	88	89	1	61	100	48*	99	92	7
1,3-Dichlorobenzene	65-119	25	83	93	11	-	-	-	-	-	-	81	82	1	75	71	5	92	89	3	62*	102	49*	106	97	9
1,4-Dichlorobenzene	67-119	25	87	89	2	86	91	6	85	95	11	81	81	0	75	71	5	88	87	1	60*	99	49*	102	97	5
1,2-Dichlorobenzene	71-116	25	88	94	7	-	-	-	-	-	-	82	84	2	74	70*	6	87	86	1	58*	102	55*	101	100	1
bis(2-Chloroisopropyl) ether	67-156	25	86	85	1	-	-	-	-	-	-	81	84	4	83	76	9	79	76	4	63*	108	53*	104	103	1
Hexachloroethane	62-133	25	96	93	3	-	-	-	-	-	-	80	79	1	77	73	5	88	90	2	63	103	48*	99	99	0
n-Nitroso-di-n-propylamine	79-114	25	92	95	3	93	92	1	91	97	6	80	81	1	77*	76*	1	91	92	1	62*	101	48*	107	106	1
Nitrobenzene	57-114	26	86	93	8	-	-	-	-	-	-	60	60	0	78	81	4	102	96	6	64	111	54*	104	112	7
2-Nitrophenol	58-108	25	72	79	9	-	-	-	-	-	-	75	81	8	83	81	2	94	91	3	59	108	59*	98	99	1
2,4-Dimethylphenol	53-129	50	86	88	2	-	-	-	-	-	-	77	79	3	75	56	29	85	83	2	53	89	51*	93	99	6
bis(2-Chloroethoxy) methane	84-124	25	90	96	6	-	-	-	-	-	-	79*	82*	4	83*	81*	2	99	96	3	62*	107	53*	107	108	1
2,4-Dichlorophenol	75-100	25	82	87	6	-	-	-	-	-	-	77	77	0	77	78	1	100	89	12	64*	108*	51*	97	101*	4
1,2,4-Trichlorobenzene	74-120	25	89	97	9	91	101	10	89	91	2	75	77	3	83	80	4	99	94	5	65*	114	55*	105	106	1
Naphthalene	77-116	25	88	96	9	-	-	-	-	-	-	79	79	0	79	80	1	97	95	2	62*	107	53*	107	102	5
Hexachlorobutadiene	79-132	26	94	98	4	-	-	-	-	-	-	84	88	5	86	82	5	110	106	4	72*	126	55*	114	120	5
4-Chloro-3-methylphenol	80-110	25	81	88	8	83	87	5	76*	82	8	85	81	5	80	81	1	98	90	9	62*	109	55*	105	106	1
Hexachlorocyclopentadiene	30-106	25	89	94	5	-	-	-	-	-	-	100	94	6	46	49	6	81	85	5	46	77	50*	93	83	11
2,4,6-Trichlorophenol	60-119	25	70	79	12	-	-	-	-	-	-	77	76	1	78	77	1	91	93	2	60	104	54*	105	99	6
2-Chloronaphthalene	64-125	25	85	87	2	-	-	-	-	-	-	76	71	7	80	84	5	92	92	0	60*	107	56*	104	98	6
Acenaphthylene	69-118	25	88	93	6	-	-	-	-	-	-	73	71	3	77	79	3	92	95	3	61*	102	50*	96	96	0
Dimethylphthalate	56-153	25	83	91	9	-	-	-	-	-	-	76	70	8	81	79	3	96	98	2	63	108	53*	105	103	2
2,6-Dinitrotoluene	61-132	25	87	93	7	-	-	-	-	-	-	80	76	5	84	81	4	78	77	1	64	109	52*	104	105	1
Acenaphthene	68-131	25	82	91	10	90	95	5	96	98	2	82	81	1	85	79	7	103	105	2	64*	110	53*	111	108	3
2,4-Dinitrophenol	10-55	124	45	56*	22	-	-	-	-	-	-	61*	59*	3	58*	50	15	72*	73*	1	34	67*	65	76*	15	134*
2,4-Dinitrotoluene	78-121	25	86	92	7	86	98	13	90	90	0	83	81	2	90	81	11	99	106	7	64*	110	53*	109	104	5
4-Nitrophenol	56-109	28	78	82	5	59	70	17	67	67	0	75	67	11	88	76	15	71	71	0	57	99	54*	96	79	19
Fluorene	67-131	25	89	91	2	-	-	-	-	-	-	77	74	4	85	82	4	97	100	3	68	109	46*	108	102	6
4-Chlorophenyl phenyl ether	67-133	25	84	87	4	-	-	-	-	-	-	81	77	5	82	81	1	97	102	5	67	114	52*	103	103	0
Diethylphthalate	70-129	25	84	89	6	-	-	-	-	-	-	76	73	4	82	80	2	98	101	3	66*	107	47*	102	102	0
4,6-Dinitro-2-methylphenol	18-96	85	78	80	3	-	-	-	-	-	-	104*	97*	7	93	83	11	95	90	5	53	96	58	102*	87	16
n-Nitrosodiphenylamine	66-142	25	91	96	5	-	-	-	-	-	-	85	82	4	85	72	17	97	100	3	62*	105	51*	94	97	3
4-Bromophenyl phenyl ether	69-130	25	79	81	3	-	-	-	-	-	-	86	86	0	82	80	2	100	100	0	66*	108	48*	98	100	2
Hexachlorobenzene	65-121	25	85	86	1	-	-	-	-	-	-	87	84	4	83	82	1	103	102	1	65	113	54*	97	101	4
Pentachlorophenol	18-92	54	72	78	8	71	79	11	66	61	8	73	80	9	83	77	8	92	89	3	57	97*	52	91	87	4
Phenanthrene	61-132	25	87	96	10	-	-	-	-	-	-	80	77	4	86	82	5	95	94	1	61	108	56*	97	97	0
Anthracene	70-127	25	85	92	8	-	-	-	-	-	-	91	89	2	77	74	4	86	82	5	63*	102	47*	98	98	0
Di-n-butyl phthalate	77-122	25	84	82	2	-	-	-	-	-	-	83	82	1	80	74*	8	91	87	4	61*	101	49*	93	92	1
Fluoranthene	67-136	25	96	94	2	-	-	-	-	-	-	80	74	8	84	79	6	101	98	3	53*	102	63*	95	98	3
Pyrene	65-145	25	92	91	1	105	103	2	88	89	1	87	85	2	76	74	3	83	85	2	68	103	41*	102	100	2
Butyl benzyl phthalate	89-136	25	95	99	4	-	-	-	-	-	-	91	90	1	70*	71*	1	91	95	4	63*	104	49*	101	97	4
Benzo (a) anthracene	66-141	25	103	108	5	-	-	-	-	-	-	84	81	4	74	71	4	90	92	2	59*	99	51*	98	97	1
Chrysene	64-131	25	97	106	9	-	-	-	-	-	-	112	113	1	105	100	5	133*	135*	1	83	139*	50*	145*	142*	3
bis(2-Ethylhexyl)phthalate	79-150	25	95	103	8	-	-	-	-	-	-	85	85	0	69*	72*	4	93	101	8	70*	106	41*	100	100	0
Di-n-octyl phthalate	68-147	25	98	103	5	-	-	-	-	-	-	89	90	1	69	68	1	116	111	4	73	125	53*	93	98	5
Benzo (b) fluoranthene	41-141	25	96	106	10	-	-	-	-	-	-	77	71	8	71	68	4	89	89	0	55	99	57*	84	89	6
Benzo (k) fluoranthene	60-125	25	99	97	2	-	-	-	-	-	-	91	102	11	74	71	4	84	83	1	64	104	48*	105	103	2
Benzo (a) pyrene	68-128	25	102	107	5	-	-	-	-	-	-	85	84	1	73	68	7	95	95	0	59*	106	57*	95	99	4
Indeno (1,2,3-cd) pyrene	29-170	25	96	104	8	-	-	-	-	-	-	92	90	2	74	70	6	72	80	11	72	118	48*	94	97	3
Dibenzo (a,h) anthracene	50-123	25	103	112	8	-	-	-	-	-	-	114	110	4	96	93	3	111	119	7	89	148*	50*	122	127*	4
Benzo (g,h,i) perylene	57-130	25	98	104	6	-	-	-	-	-	-	91	88	3	73	72	1	78	84	7	77	117	41*	92	96	4

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		Extraction Date:	09/12/96			09/18/96			09/20/96			09/24/96			10/04/96			10/09/96			10/23/96		
	Control Limits	RPD Limits	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR Chlorinated Pesticides/PCBs																							
alpha-BHC	37-134	15	108	101	7	110	105	5	107	98	9	84	83	1	85	92	8	75	73	3	92	97	5
gamma-BHC (Lindane)	32-127	23	107	104	3	119	112	6	118	106	11	92	91	1	88	99	12	81	80	1	94	100	6
beta-BHC	17-147	14	110	105	5	121	112	8	117	107	9	95	97	2	97	103	6	87	84	4	106	105	1
Heptachlor	34-111	22	111	98	12	110	104	6	108	102	6	79	73	8	73	85	15	106	108	2	109	105	4
delta-BHC	19-140	22	106	102	4	118	112	5	115	104	10	95	97	2	96	102	6	86	84	2	105	103	2
Aldrin	42-122	15	106	99	7	113	108	5	115	100	14	91	93	2	92	98	6	83	81	2	100	102	2
Isodrin	29-173	24	103	97	6	114	105	8	115	102	12	96	101	5	85	102	18	75	72	4	89	93	4
Heptachlor epoxide	37-142	16	111	108	3	118	111	6	114	105	8	100	104	4	97	103	6	84	81	4	103	103	0
gamma-Chlordane	20-193	13	114	120	5	125	122	2	127	119	7	82	82	0	92	97	5	94	93	1	109	109	0
alpha-Chlordane	27-163	13	112	117	4	128	130	2	121	108	11	98	103	5	95	104	9	87	85	2	108	107	1
alpha-Endosulfan	45-153	20	98	93	5	102	110	8	90	82	9	61	66	8	72	87	19	59	58	2	89	87	2
4-4'-DDE	30-145	16	119	113	5	133	121	9	117	106	10	108	120	11	109	108	1	94	90	4	117	105	11
Dieldrin	36-146	13	113	113	0	119	113	5	125	126	1	98	108	10	101	104	3	88	93	6	108	106	2
Endrin	30-147	13	117	111	5	121	117	3	131	118	10	102	114	11	100	106	6	129	125	3	103	103	0
4,4'-DDD	31-141	17	104	103	1	128	119	7	124	111	11	94	102	8	94	100	6	79	77	3	108	98	10
beta-Endosulfan	10-202	18	91	87	4	109	99	10	99	93	6	87	98	12	92	91	1	78	75	4	98	91	7
4,4'-DDT	25-160	19	112	106	6	118	112	5	117	110	6	97	106	9	98	105	7	91	89	2	116	110	5
Endrin aldehyde	13-145	21	74	82	10	94	101	7	100	102	2	79	92	15	90	87	3	78	80	3	105	95	10
Endosulfan sulfate	26-144	16	104	107	3	124	113	9	124	109	13	92	89	3	101	103	2	90	89	1	110	106	4
Methoxychlor	47-160	14	110	106	4	118	113	4	121	108	11	101	109	8	99	104	5	97	92	5	110	104	6
Endrin ketone	28-170	12	106	104	2	120	115	4	119	111	7	96	103	7	95	97	2	90	87	3	107	101	6
Kepone	25-150	40	45	61	30	60	67	11	68	62	9	44	48	9	72	62	15	86	84	2	91	75	19

		Extraction Date:	10/29/96			11/04/96			11/22/96			11/24/96	11/27/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BS	BSD	RPD
LDR Chlorinated Pesticides/PCBs															
alpha-BHC	37-134	15	80	91	13	97	97	0	102	97	5	114	83	90	8
gamma-BHC (Lindane)	32-127	23	80	94	16	102	103	1	100	97	3	116	84	92	9
beta-BHC	17-147	14	88	101	14	106	110	4	107	102	5	122	87	95	9
Heptachlor	34-111	22	68	79	15	86	84	2	97	92	5	90	97	103	6
delta-BHC	19-140	22	87	100	14	106	108	2	108	103	5	121	86	93	8
Aldrin	42-122	15	82	95	15	105	105	0	103	101	2	116	86	93	8
Isodrin	29-173	24	72	87	19	103	93	10	105	103	2	119	86	94	9
Heptachlor epoxide	37-142	16	83	96	15	112	109	3	111	108	3	122	88	97	10
gamma-Chlordane	20-193	13	90	102	13	119	112	6	110	109	1	123	88	97	10
alpha-Chlordane	27-163	13	88	99	12	117	116	1	114	112	2	123	88	96	9
alpha-Endosulfan	45-153	20	64	76	17	79	74	7	86	84	2	95	66	73	10
4-4'-DDE	30-145	16	92	104	12	126	125	1	115	115	0	127	90	101	12
Dieldrin	36-146	13	92	103	11	118	119	1	110	111	1	122	87	95	9
Endrin	30-147	13	85	95	11	121	126	4	114	113	1	125	89	94	5
4,4'-DDD	31-141	17	77	91	17	112	115	3	110	108	2	125	83	90	8
beta-Endosulfan	10-202	18	71	84	17	98	104	6	99	97	2	108	70	77	10
4,4'-DDT	25-160	19	89	102	14	114	121	6	116	114	2	124	80	86	7
Endrin aldehyde	13-145	21	76	83	9	98	106	8	79	88	11	81	68	81	17
Endosulfan sulfate	26-144	16	86	98	13	112	120	7	110	109	1	122	86	91	6
Methoxychlor	47-160	14	87	98	12	112	122	9	116	114	2	126	78	84	7
Endrin ketone	28-170	12	89	96	8	110	120	9	110	108	2	121	82	90	9
Kepone	25-150	40	63	78	21	88	30	98*	44	77	55*	65	66	64	3

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		Extraction Date:	09/13/96			09/19/96			09/21/96			09/26/96			10/04/96			10/10/96		
	Control Limits	RPD Limits	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR Herbicides																				
2,4-D	59-138	32	77	73	5.00	69	79	14.00	73	82	12	76	65	16	91	14*	147*	53*	57*	7
2,4,5-TP (Silvex)	57-132	29	87	89	2.00	83	105	23.00	86	90	5	81	77	5	93	6*	176*	61	62	2
2,4,5-T	58-125	30	91	90	1.00	76	84	10.00	76	86	12	79	70	12	103	6*	177*	59	61	3

		Extraction Date:	10/23/96			10/29/96			11/07/96			11/13/96			11/25/96			12/09/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR Herbicides																				
2,4-D	59-138	32	80	79	1	84	82	2	80	82	2	70	85	19	77	82	6	64	87	30
2,4,5-TP (Silvex)	57-132	29	91	97	6	89	88	1	97	93	4	86	101	16	86	89	3	78	99	24
2,4,5-T	58-125	30	92	89	3	108	90	18	100	96	4	86	102	17	82	87	6	76	102	29

		Extraction Date:	09/18/96			09/19/96			09/23/96			09/24/96			09/25/96			09/30/96			10/07/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
PCDDs and PCDFs																							
2,3,7,8-TCDF	50-150	30	108	102	6	110	112	2	108	108	0	98	98	0	114	110	4	106	110	4	110	110	0
1,2,3,7,8-PeCDF	50-150	30	125	112	11	138	140	1	144	140	3	132	137	4	110	106	4	142	142	0	134	133	1
2,3,4,7,8-PeCDF	50-150	30	125	113	10	134	134	0	136	134	1	131	132	1	104	102	2	146	142	3	120	121	1
2,3,7,8-TCDD	50-150	30	110	104	6	106	108	2	104	106	2	94	100	6	118	116	2	108	102	6	98	102	4
1,2,3,7,8-PeCDD	50-150	30	125	118	6	137	134	2	136	142	4	131	138	5	106	104	2	148	139	6	118	121	3
1,2,3,4,7,8-HxCDF	50-150	30	122	144	17	132	133	1	123	114	8	126	146	15	114	110	4	92	104	12	143	148	3
1,2,3,6,7,8-HxCDF	50-150	30	122	146	18	122	122	0	122	111	9	128	148	14	117	118	1	93	103	10	148	149	1
1,2,4,6,7,8-HxCDF	50-150	30	124	144	15	126	128	2	124	115	8	141	140	1	106	107	1	91	93	2	145	145	0
1,2,3,7,8,9-HxCDF	50-150	30	115	130	12	117	122	4	120	107	11	134	128	5	103	100	3	90	88	2	122	122	0
1,2,3,4,7,8-HxCDD	50-150	30	114	113	1	106	105	1	105	103	2	98	102	4	94	106	12	134	126	6	110	110	0
1,2,3,6,7,8-HxCDD	50-150	30	97	100	3	83	80	4	98	93	5	93	95	2	89	92	3	87	97	11	91	90	1
1,2,3,7,8,9-HxCDD	50-150	30	103	102	1	92	90	2	100	95	5	95	91	4	94	95	1	96	106	10	94	96	2

		Extraction Date:	10/22/96			10/31/96			11/06/96			11/06/96			11/14/96			11/20/96			12/09/96
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS
PCDDs and PCDFs																					
2,3,7,8-TCDF	50-150	30	110	112	2	102	104	2	106	106	0	102	104	2	126	124	2	106	106	0	109
1,2,3,7,8-PeCDF	50-150	30	142	143	1	138	129	7	140	143	2	138	129	7	147	146	1	145	146	1	145
2,3,4,7,8-PeCDF	50-150	30	129	131	2	135	128	5	138	147	6	135	128	5	133	134	1	142	134	6	141
2,3,7,8-TCDD	50-150	30	102	102	0	102	106	4	104	104	0	102	106	4	102	106	4	92	98	6	100
1,2,3,7,8-PeCDD	50-150	30	129	130	1	130	131	1	135	139	3	130	131	1	142	147	3	131	136	4	147
1,2,3,4,7,8-HxCDF	50-150	30	145	149	3	138	144	4	146	141	3	138	144	4	128	146	13	135	134	1	127
1,2,3,6,7,8-HxCDF	50-150	30	147	149	1	136	140	3	130	138	6	136	140	3	149	145	3	142	146	3	147
1,2,4,6,7,8-HxCDF	50-150	30	147	146	1	137	141	3	139	138	1	137	141	3	134	146	9	137	137	0	137
1,2,3,7,8,9-HxCDF	50-150	30	126	134	6	132	144	9	132	136	3	132	144	9	99	110	11	120	124	3	108
1,2,3,4,7,8-HxCDD	50-150	30	101	89	13	114	111	3	113	114	1	114	111	3	108	111	3	112	104	7	110
1,2,3,6,7,8-HxCDD	50-150	30	90	91	1	106	108	2	92	95	3	106	108	2	97	90	7	99	96	3	100
1,2,3,7,8,9-HxCDD	50-150	30	89	95	7	108	105	3	99	97	2	108	105	3	100	94	6	98	98	0	96

BS/BSD RECOVERY SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER-NOVEMBER 1996

		Extraction Date:	09/12/96	09/15/96			09/24/96			09/25/96			10/02/96	10/07/96			10/24/96			10/25/96		
	Control Limits	RPD Limits	BS	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR TCLP Metals																						
Antimony	80-120	20	99	96	97	1	114	102	11	94	94	0	96	98	101	3	114	102	11	94	93	1
Arsenic	80-120	20	106	103	105	2	112	101	10	102	100	2	99	111	115	4	112	101	10	94	97	3
Barium	80-120	20	100	95	98	3	100	97	3	96	95	1	99	97	103	6	100	97	3	99	99	0
Beryllium	80-120	20	99	95	96	1	99	96	3	95	94	1	97	96	101	5	99	96	3	95	94	1
Cadmium	80-120	20	99	96	97	1	100	97	3	96	95	1	98	94	99	5	100	97	3	96	96	0
Chromium	80-120	20	99	94	96	2	100	97	3	97	95	2	96	96	101	5	100	97	3	98	97	1
Lead	80-120	20	95	93	95	2	96	95	1	94	92	2	95	92	98	6	96	95	1	96	94	2
Mercury	80-120	20	101	106	104	2	95	92	3	98	81	19	105	98	97	1	109	111	2	116	98	17
Nickel	80-120	20	95	92	92	0	94	92	2	93	92	1	93	92	97	5	94	92	2	93	94	1
Selenium	80-120	20	97	95	96	1	99	96	3	96	96	0	98	99	101	2	99	96	3	98	98	0
Silver	80-120	20	106	95	95	0	97	101	4	90	93	3	92	94	99	5	94	99	5	92	100	8
Thallium	80-120	20	95	93	93	0	97	95	2	92	92	0	90	88	97	10	97	95	2	91	94	3
Vanadium	80-120	20	98	93	95	2	99	97	2	97	94	3	98	96	102	6	99	97	2	101	101	0
Zinc	80-120	20	99	93	94	1	93	93	0	95	94	1	96	94	100	6	93	93	0	95	96	1

		Extraction Date:	10/29/96			10/31/96			11/08/96			11/14/96			11/21/96			11/22/96			11/23/96			11/25/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR TCLP Metals																										
Antimony	80-120	20	112	115	3	95	96	1	104	106	2	105	108	3	105	124*	17	99	102	3	97	102	5	92	93	1
Arsenic	80-120	20	98	101	3	109	109	0	108	110	2	108	111	3	104	116	11	97	99	2	103	106	3	105	105	0
Barium	80-120	20	98	104	6	95	93	2	97	99	2	100	100	0	107	120	11	102	102	0	97	100	3	99	97	2
Beryllium	80-120	20	97	104	7	94	92	2	96	96	0	98	98	0	102	112	9	97	98	1	98	101	3	100	99	1
Cadmium	80-120	20	98	105	7	94	96	2	96	96	0	97	98	1	106	114	7	98	98	0	95	99	4	98	95	3
Chromium	80-120	20	99	106	7	95	94	1	97	98	1	98	99	1	106	115	8	100	100	0	98	100	2	100	98	2
Lead	80-120	20	95	100	5	91	90	1	92	93	1	93	93	0	100	116	15	97	98	1	96	97	1	95	94	1
Mercury	80-120	20	97	97	0	112	121*	8	101	103	2	113	109	4	118	105	12	103	114	10	105	102	3	105	102	3
Nickel	80-120	20	94	100	6	88	88	0	91	92	1	93	94	1	102	111	8	96	95	1	91	92	1	92	92	0
Selenium	80-120	20	98	105	7	96	94	2	97	97	0	98	100	2	103	118	14	98	96	2	99	100	1	99	99	0
Silver	80-120	20	97	93	4	96	92	4	90	90	0	90	91	1	102	99	3	97	98	1	90	91	1	92	91	1
Thallium	80-120	20	94	100	6	91	93	2	90	93	3	93	95	2	88	102	15	90	91	1	89	93	4	92	92	0
Vanadium	80-120	20	98	103	5	95	93	2	98	99	1	100	101	1	108	120	11	104	104	0	98	101	3	96	96	0
Zinc	80-120	20	91	98	7	103	102	1	96	95	1	92	95	3	103	115	11	101	101	0	91	95	4	94	92	2

BS/BSD RECOVERY SUMMARY (PERCENT)
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER-NOVEMBER 1996

	Control Limits	RPD Limits	Extraction Date: 09/13/96			09/16/96			09/19/96			09/26/96			10/01/96			10/04/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR TCLP Methanol	13-201	60	91	99	8	97	100	3	91	79	14	73	105	36	104	106	2	118	122	3

			Extraction Date: 10/22/96			10/29/96			11/04/96			11/07/96			11/14/96			11/19/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
LDR TCLP Methanol	13-201	60	85	64	28	96	122	24	119	115	3	109	111	2	90	83	8	72	70	3

			Analysis Date: 09/25/96			09/26/96			10/01/96			10/01/96			10/02/96			10/09/96			10/09/96			10/28/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
Cyanide (total)	80-120	20	88	88	0	89	90	1	94	80	16	90	96	6	90	96	6	99	102	3	97	97	0	107	101	6

			Analysis Date: 10/30/96			11/12/96			11/12/96			11/19/96			11/21/96			11/26/96			11/27/96		
			BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD	BS	BSD	RPD
Cyanide (total)	80-120	20	99	103	4	88	82	7	88	82	7	98	97	1	97	96	1	91	107	16	97	92	5

Notes:
- Not analyzed.
* Value outside of QC limits.
BS Blank Spike.
BSD Blank Spike Duplicate.
LDR Land Disposal Restriction.
PCBs Polychlorinated Biphenyls.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.
RPD Relative Percent Difference.
TCLP Toxicity Characteristic Leaching Procedure.

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS2-09110*			*HR-10125*			*CS-04836*		
		Description:	*Creeks Sediment 2*			*Haul Roads*			*Creeks Sediment*		
		Collection Date:	*09/10/96*			*09/17/96*			*09/26/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Volatile Organics											
Acetone	mg/Kg	160	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Benzene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	*	ND 2.5	ND 2.5	*	ND 2.5	ND 2.5	*
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	0.037	0.031	18
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,4-Dioxane	mg/Kg	170	ND 1.5	ND 1.5	*	ND 1.5	ND 1.5	*	ND 1.5	ND 1.5	*
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Isobutanol	mg/Kg	170	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Methylene chloride	mg/Kg	30	ND 0.037	ND 0.050	*	0.077	ND 0.025	*	0.034	0.036	6
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS2-09110*			*HR-10125*			*CS-04836*		
		Description:	*Creeks Sediment 2*			*Haul Roads*			*Creeks Sediment*		
		Collection Date:	*09/10/96*			*09/17/96*			*09/26/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Volatile Organics (Cont.)											
Toluene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
LDR Semi-Volatile Organics											
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acrylamide	mg/Kg	23	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Aniline	mg/Kg	14	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS2-09110*			*HR-10125*			*CS-04836*		
		Description:	*Creeks Sediment 2*			*Haul Roads*			*Creeks Sediment*		
		Collection Date:	*09/10/96*			*09/17/96*			*09/26/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Semi-Volatile Organics (Cont.)											
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Famphur	mg/Kg	15	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	CS2-09110			HR-10125			CS-04836		
		Description:	Creeks Sediment 2			Haul Roads			Creeks Sediment		
		Collection Date:	09/10/96			09/17/96			09/26/96		
	Units	LDR Regulatory Limits	Original	Duplicate	RPD	Original	Duplicate	RPD	Original	Duplicate	RPD
LDR Semi-Volatile Organics (Cont.)											
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Safrole	mg/Kg	22	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
LDR Chlorinated Pesticides/PCBs											
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS2-09110*			*HR-10125*			*CS-04836*		
		Description:	*Creeks Sediment 2*			*Haul Roads*			*Creeks Sediment*		
		Collection Date:	*09/10/96*			*09/17/96*			*09/26/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Chlorinated Pesticides/PCBs (Cont.)											
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1254	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	0.12	ND 0.10	*
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	*	ND 0.20	ND 0.20	*	ND 0.20	ND 0.20	*
LDR Herbicides											
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	*	ND 0.34	ND 0.34	*	ND 0.34	ND 0.34	*
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	*	ND 0.14	ND 0.14	*	ND 0.14	ND 0.14	*
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	*	ND 0.070	ND 0.070	*	ND 0.070	ND 0.070	*
PCDDs and PCDFs											
2,3,7,8-TCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	1.1	1.1	0
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
Total PCDDs and PCDFs											
Total TCDD	µg/Kg	1.0	ND 0.2	ND 0.3	*	ND 0.2	ND 0.2	*	1.1	1.1	0
Total PeCDD	µg/Kg	1.0	ND 0.9	ND 0.5	*	ND 0.5	ND 1.2	*	ND 0.5	ND 0.5	*
Total HxCDD	µg/Kg	1.0	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS2-09110*			*HR-10125*			*CS-04836*		
		Description:	*Creeks Sediment 2*			*Haul Roads*			*Creeks Sediment*		
		Collection Date:	*09/10/96*			*09/17/96*			*09/26/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR TCLP Metals											
Antimony	mg/L	2.1	ND 0.30	ND 0.30	*	ND 0.30	ND 0.30	*	ND 0.30	ND 0.30	*
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Barium	mg/L	7.6	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	*	ND 0.0050	ND 0.0050	*	ND 0.0050	ND 0.0050	*
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	*	ND 0.040	ND 0.040	*	ND 0.040	ND 0.040	*
Chromium	mg/L	0.86	ND 0.060	ND 0.060	*	ND 0.060	ND 0.060	*	ND 0.060	ND 0.060	*
Lead	mg/L	0.37	ND 0.20	ND 0.20	*	ND 0.40	ND 0.40	*	ND 0.10	ND 0.10	*
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	*	ND 0.0020	ND 0.0020	*	ND 0.0020	ND 0.0020	*
Nickel	mg/L	5.0	ND 0.20	ND 0.20	*	ND 0.20	ND 0.20	*	ND 0.10	ND 0.10	*
Selenium	mg/L	0.16	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Silver	mg/L	0.30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Thallium	mg/L	0.078	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Zinc	mg/L	5.3	0.13	0.14	7	0.15	0.12	22	0.33	0.14	81
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	*	ND 0.75	ND 0.75	*	ND 0.75	ND 0.75	*
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Volatile Organics											
Acetone	mg/Kg	160	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Acetonitrile	mg/Kg	1.8	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Acrylonitrile	mg/Kg	84	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Benzene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromodichloromethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromoform	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Bromomethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
n-Butanol	mg/Kg	2.6	ND 2.5	ND 2.5	*	ND 2.5	ND 2.5	*	ND 2.5	ND 2.5	*
2-Butanone (MEK)	mg/Kg	36	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Carbon disulfide	mg/Kg	4.8	ND 0.025	ND 0.025	*	0.058	ND 0.025	*	ND 0.025	ND 0.025	*
Carbon tetrachloride	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
2-Chloro-1,3-butadiene (Chloroprene)	mg/Kg	0.28	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Chlorobenzene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloroform	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Chloromethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
3-Chloropropene (Allyl chloride)	mg/Kg	30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Cyclohexanone	mg/Kg	0.75	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
1,2-Dibromo-3-chloropropane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dibromochloromethane	mg/Kg	15	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dibromoethane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dibromomethane	mg/Kg	15	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Dichlorodifluoromethane	mg/Kg	7.2	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
1,1-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
trans-1,2-Dichloroethene	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1-Dichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2-Dichloropropane	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
trans-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
cis-1,3-Dichloropropene	mg/Kg	18	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,4-Dioxane	mg/Kg	170	ND 1.5	ND 1.5	*	ND 1.5	ND 1.5	*	ND 1.5	ND 1.5	*
Ethyl acetate	mg/Kg	33	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Ethyl ether	mg/Kg	160	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Ethyl methacrylate	mg/Kg	160	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Ethyl benzene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Iodomethane	mg/Kg	65	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Isobutanol	mg/Kg	170	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Methacrylonitrile	mg/Kg	84	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Methyl methacrylate	mg/Kg	160	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
4-methyl-2-pentanone (MIBK)	mg/Kg	33	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Methylene chloride	mg/Kg	30	0.038	ND 0.042	*	0.043	0.045	5	0.026	0.050	63
Propanenitrile (Ethyl cyanide)	mg/Kg	360	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
1,1,2,2-Tetrachloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,1,2-Tetrachloroethane	mg/Kg	6.0	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Tetrachlorethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Volatile Organics (Cont.)											
Toluene	mg/Kg	10	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,2-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,1,1-Trichloroethane	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Trichloroethene	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
Trichlorofluoromethane	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
1,2,3-Trichloropropane	mg/Kg	30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Vinyl chloride	mg/Kg	6.0	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
total Xylenes	mg/Kg	30	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*	ND 0.025	ND 0.025	*
								*			
LDR Semi-Volatile Organics											
Acenaphthene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acenaphthylene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acetophenone	mg/Kg	9.7	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Acetylaminofluorene	mg/Kg	140	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Acrylamide	mg/Kg	23	ND 10	ND 10	*	ND 10	ND 10	*	ND 10	ND 10	*
Aniline	mg/Kg	14	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (a) anthracene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (a) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (b) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (g,h,i) perylene	mg/Kg	1.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzo (k) fluoranthene	mg/Kg	6.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Benzal chloride	mg/Kg	6	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
4-Bromophenyl phenyl ether	mg/Kg	15	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Butyl benzyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	mg/Kg	2.5	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*
4-Chloro-3-methylphenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Chloroaniline	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroethoxy) methane	mg/Kg	7.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroethyl) ether	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Chloroisopropyl) ether	mg/Kg	7.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Chloronaphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Chlorophenol	mg/Kg	5.7	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Chrysene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Di-n-butyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Di-n-octyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Dibenzo (a,h) anthracene	mg/Kg	8.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,4-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,3-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2-Dichlorobenzene	mg/Kg	6.0	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,6-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dichlorophenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Diethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Dimethyl phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Semi-Volatile Organics (Cont.)											
2,4-Dimethylphenol	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4,6-Dinitro-2-methylphenol	mg/Kg	160	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
1,4-Dinitrobenzene	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dinitrophenol	mg/Kg	160	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
2,6-Dinitrotoluene	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4-Dinitrotoluene	mg/Kg	140	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Diphenylamine	mg/Kg	13	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Disulfoton	mg/Kg	6.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
bis (2-Ethylhexyl) phthalate	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	3.5	*	ND 1.0	ND 1.0	*
Famphur	mg/Kg	15	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Fluoranthene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Fluorene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorobutadiene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachlorocyclopentadiene	mg/Kg	2.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachloroethane	mg/Kg	30	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Hexachloropropene	mg/Kg	30	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Indeno (1,2,3-c,d) pyrene	mg/Kg	3.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Isosafrole	mg/Kg	2.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Methapyrilene	mg/Kg	1.5	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Methyl parathion	mg/Kg	4.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
3-Methylcholanthrene	mg/Kg	15	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
4,4-Methylene-bis (2-chloroaniline)	mg/Kg	30	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
3-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Methylphenol	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitroso-di-n-butylamine	mg/Kg	17	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodi-n-propylamine	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodiethylamine	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodimethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosodiphenylamine	mg/Kg	NA	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosomethylethylamine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosomorpholine	mg/Kg	2.3	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosopiperidine	mg/Kg	35	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
n-Nitrosopyrrolidine	mg/Kg	35	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Naphthalene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
5-Nitro-o-toluidine	mg/Kg	28	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2-Nitroaniline	mg/Kg	14	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
4-Nitroaniline	mg/Kg	28	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Nitrobenzene	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
4-Nitrophenol	mg/Kg	29	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
2-Nitrophenol	mg/Kg	13	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Parathion	mg/Kg	4.6	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*	ND 2.0	ND 2.0	*
Pentachlorobenzene	mg/Kg	10	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pentachloroethane	mg/Kg	6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

FIELD DUPLICATE RESULTS SUMMARY
LOVE CANAL BAGGED WASTES
PHASE I SAMPLING PROGRAM
OCCIDENTAL CHEMICAL CORPORATION
NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Semi-Volatile Organics (Cont.)											
Pentachloronitrobenzene	mg/Kg	4.8	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pentachlorophenol	mg/Kg	7.4	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*	ND 5.0	ND 5.0	*
Phenacetin	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phenanthrene	mg/Kg	5.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phenol	mg/Kg	6.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phorate	mg/Kg	4.6	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Phthalic acid (as phthalic anhydride)	mg/Kg	28	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Phthalic anhydride	mg/Kg	28	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*	ND 8.0	ND 8.0	*
Pronamide	mg/Kg	1.5	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pyrene	mg/Kg	8.2	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Pyridine	mg/Kg	16	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
Safrole	mg/Kg	22	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2,4,5-Tetrachlorobenzene	mg/Kg	14	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,3,4,6-Tetrachlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
1,2,4-Trichlorobenzene	mg/Kg	19	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4,6-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
2,4,5-Trichlorophenol	mg/Kg	7.4	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*
LDR Chlorinated Pesticides/PCBs											
Aldrin	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.020	ND 0.016	*
delta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	0.018	0.012	40
beta-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.012	ND 0.013	*
alpha-BHC	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
gamma-BHC (Lindane)	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Chlordane	mg/Kg	0.26	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
gamma-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
alpha-Chlordane	mg/Kg	0.26	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
2,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDD	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
2,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDE	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
2,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
4,4'-DDT	mg/Kg	0.087	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
tris-(2,3-Dibromopropyl) phosphate	mg/Kg	0.1	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.20	ND 0.13	*
Dieldrin	mg/Kg	0.13	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
beta-Endosulfan	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
alpha-Endosulfan	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Endosulfan sulfate	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Endrin	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Endrin aldehyde	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Heptachlor	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Heptachlor epoxide	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Isodrin	mg/Kg	0.066	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*	ND 0.010	ND 0.010	*
Kepone	mg/Kg	0.13	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*	ND 0.020	ND 0.020	*
Methoxychlor	mg/Kg	0.18	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*

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NIAGARA FALLS, NEW YORK
SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR Chlorinated Pesticides/PCBs (Cont.)											
Aroclor-1016	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1221	mg/Kg	10	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*	ND 0.25	ND 0.25	*
Aroclor-1232	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1242	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1248	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Aroclor-1254	mg/Kg	10	0.14	0.12	15	0.16	0.17	6	0.40	0.31	25
Aroclor-1260	mg/Kg	10	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Toxaphene	mg/Kg	2.6	ND 0.20	ND 0.20	*	ND 0.20	ND 0.20	*	ND 0.20	ND 0.20	*
LDR Herbicides											
2,4-D (2,4-Dichlorophenoxy acetic acid)	mg/Kg	10	ND 0.34	ND 0.34	*	ND 0.34	ND 0.34	*	ND 0.34	ND 0.34	*
2,4,5-T	mg/Kg	7.9	ND 0.14	ND 0.14	*	ND 0.14	ND 0.14	*	ND 0.14	ND 0.14	*
2,4,5-TP (Silvex)	mg/Kg	7.9	ND 0.070	ND 0.070	*	ND 0.070	ND 0.070	*	ND 0.070	ND 0.070	*
PCDDs and PCDFs											
2,3,7,8-TCDD	µg/Kg	NA	1.4	1.3	7	1.2	0.9	29	1.0	0.7	35
1,2,3,7,8-PeCDD	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
1,2,3,4,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
1,2,3,6,7,8-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
1,2,3,7,8,9-HxCDD	µg/Kg	NA	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*	ND 0.2	ND 0.2	*
2,3,7,8-TCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
2,3,4,7,8-PeCDF	µg/Kg	NA	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*
1,2,3,4,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
2,3,4,6,7,8-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
1,2,3,7,8,9-HxCDF	µg/Kg	NA	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
Total PCDDs and PCDFs											
Total TCDD	µg/Kg	1.0	1.4	1.3	7	1.2	0.9	29	1.0	0.7	35
Total PeCDD	µg/Kg	1.0	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	0.7	ND 0.5	*
Total HxCDD	µg/Kg	1.0	0.6	ND 0.2	*	ND 0.2	ND 0.2	*	0.2	ND 0.4	*
Total TCDF	µg/Kg	1.0	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*
Total PeCDF	µg/Kg	1.0	ND 0.5	ND 0.5	*	ND 0.5	ND 0.5	*	ND 0.5	ND 49	*
Total HxCDF	µg/Kg	1.0	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*	ND 0.4	ND 0.4	*

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SEPTEMBER - NOVEMBER 1996

		Location ID:	*CS-05863*			*CS-04169*			*CS2-08602*		
		Description:	*Creeks Sediment*			*Creeks Sediment*			*Creeks Sediment 2*		
		Collection Date:	*09/26/96*			*10/23/96*			*11/13/96*		
	Units	*LDR Regulatory Limits*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*	*Original*	*Duplicate*	*RPD*
LDR TCLP Metals											
Antimony	mg/L	2.1	ND 0.30	ND 0.30	*	ND 0.30	ND 0.30	*	ND 0.30	ND 0.30	*
Arsenic	mg/L	5.0	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Barium	mg/L	7.6	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*	ND 0.50	ND 0.50	*
Beryllium	mg/L	0.014	ND 0.0050	ND 0.0050	*	ND 0.0050	ND 0.0050	*	ND 0.0050	ND 0.0050	*
Cadmium	mg/L	0.19	ND 0.040	ND 0.040	*	ND 0.040	ND 0.040	*	ND 0.040	ND 0.040	*
Chromium	mg/L	0.86	ND 0.060	ND 0.060	*	ND 0.060	ND 0.060	*	ND 0.060	ND 0.060	*
Lead	mg/L	0.37	ND 0.10	ND 0.10	*	ND 0.20	ND 0.20	*	ND 0.10	ND 0.10	*
Mercury	mg/L	0.025	ND 0.0020	ND 0.0020	*	ND 0.0020	ND 0.0020	*	ND 0.0020	ND 0.0020	*
Nickel	mg/L	5.0	ND 0.10	ND 0.10	*	ND 0.20	ND 0.20	*	ND 0.10	ND 0.10	*
Selenium	mg/L	0.16	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*	ND 0.10	ND 0.10	*
Silver	mg/L	0.30	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Thallium	mg/L	0.078	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Vanadium	mg/L	0.23	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*	ND 0.050	ND 0.050	*
Zinc	mg/L	5.3	0.30	0.20	40	0.21	0.16	27	0.44	0.36	20
LDR TCLP Methanol	mg/L	0.75	ND 0.75	ND 0.75	*	ND 0.75	ND 0.75	*	ND 0.75	ND 0.75	*
Cyanide (total)	mg/Kg	590	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*	ND 1.0	ND 1.0	*

Notes:
* Not available due to one or more non-detect values.
Dup. Field Duplicate.
LDR Land Disposal Restriction.
NDx Not detected at or above x.
PCBs Polychlorinated Biphenyls.
PCDDs Polychlorinated Dibenzo-p-dioxins.
PCDFs Polychlorinated Dibenzofurans.
TCLP Toxicity Characteristic Leaching Procedure.

ATTACHMENT A

CHAIN OF CUSTODY FORMS

CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

ENCOTEC
ANN ARBOR MICH.

Love Canal Bagged Wastes
Phase I Sampling

SAMPLER'S SIGNATURE: K. P. Lyl PRINTED NAME: Kevin Lynch

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBS	LDR TCLP METALS	TCLP METHANOL	TOTAL CN	PCDD/PCDF	REMARKS
	9/10/96	1423	CS-00116	Soil	2	1	←	—	—	1	→			
		1435	CS-00631		2	1	←	—	—	1	→			
		1443	CS-02785		2	1	←	—	—	1	→			
		1455	CS-04759		2	1	←	—	—	1	→			
		1535	CS-05780 + MS/MSD		4	2	←	—	—	2	→			
		1515	CS-06722		2	1	←	—	—	1	→			
		1550	CS2-08011		2	1	←	—	—	1	→			
		1600	CS2-09110		2	1	←	—	—	1	→			
		1720	HR-10425		2	1	←	—	—	1	→			
		1730	CD-11120		2	1	←	—	—	1	→			
		1615	CD-12533		2	1	←	—	—	1	→			
		1710	CD-13528		2	1	←	—	—	1	→			
		1630	CD-13874		2	1	←	—	—	1	→			
		1700	FC-14949		2	1	←	—	—	1	→			
		1530	CS2-16100		2	1	←	—	—	1	→			
TOTAL NUMBER OF CONTAINERS					32	HEALTH/CHEMICAL HAZARDS								

RELINQUISHED BY: ① K. P. Lyl	DATE: 9/10/96 TIME: 1830	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FEDEX WAY BILL No. 3895370323

White	—Fully Executed Copy	SAMPLE TEAM: K. Lynch	RECEIVED FOR LABORATORY BY:
Yellow	—Receiving Laboratory Copy		DATE: TIME:
Pink	—Shipper Copy		
Goldenrod	—Sampler Copy		

№ NF-1627

1001 (D) OCT 31/94(NF) REV.1 (F-05)

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

ENCOTEC
ANN ARBOR MI

Love Canal Bag Sampling
- T-Area Bags

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBICIDE	LDR TCLP METALS	LDR TCLP METHANOL	TOTAL CN	PCDD/PCDF	REMARKS
	9/12/96	1243	CS-01144	SOIL	2	1	←			1		→		* Project Mgr =
		1253	CS-01859		2	1	←			1		→		TOM MARSHALL
		1300	CS-02425		2	1	←			1		→		
		1305	CS-03526		2	1	←			1		→		* REF. ENCOTEC
		1312	CS-03907		2	1	←			1		→		PROJECT 71209
		1326	CS-06037		2	1	←			1		→		FOR ANALYSES.
		~~1330~~	~~CS-09581~~ KPL		~~2~~	~~1~~								
		1336	HR-09581		2	1	←			1		→		
		1350	HR-09838		2	1	←			1		→		
		1428	CD-12367 + MS/MSD		4	2	←			2		→		
		1412	FC-15319		2	1	←			1		→		
		1450	CS2-08432		2	1	←			1		→		
		1446	CS2-08199		2	1	←			1		→		
		1457	HR-10241		2	1	←			1		→		
		1506	CD-11912		2	1	←			1		→		
		1520	CD-13395		2	1	←			1		→		
			TOTAL NUMBER OF CONTAINERS		32	HEALTH/CHEMICAL HAZARDS POSSIBLE								

RELINQUISHED BY: ① [signature]	DATE: 9/12/96 TIME: 1700	RECEIVED BY: ② [signature]	DATE: 9.13.96 TIME: 0945
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 3895370334

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SAMPLE TEAM: K. Lynch, K. Wehn

RECEIVED FOR LABORATORY BY: DATE: TIME:

Nº NF-1028

1001 (D) OCT 31/94(NF) REV.1 (F-05)

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Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): ENCOTEC ANN ARBOR, MI

REFERENCE NUMBER: 7438
Oxy-T-Area Love Canal Big Sampling

SAMPLER'S SIGNATURE: K. P. Lyl PRINTED NAME: Kevin Lynch

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBICIDE	LDR TCLP METALS	LDR TCLP METHANOL	TOTAL CN	PCDD/PCDF		REMARKS
	9/17/96	1335	FC-15421	Soil	2	1	←		1	→					
		1347	FC-15171		2	1	←		1	→					Ref. Encotec Project No. 71209
		1359	FC-15085		2	1	←		1	→					
		1411	CD-13645		2	1	←		1	→					
		1430	CD-12055		2	1	←		1	→					
		1440	HR-10059		2	1	←		1	→					
		1405	CS2-08529		2	1	←		1	→					
		1420	CS2-09329		2	1	←		1	→					
		1350	HR-10125		2	1	←		1	→					
		1320	CS2-16212		2	1	←		1	→					
		1430	FC-14858 + MS + MSD		4	2	←		2	→					
		1450	CD-13780		2	1	←		1	→					
		1510	CS-02936		2	1	←		1	→					
		1520	CS-02222		2	1	←		1	→					
		1520	CS-01935		2	1	←		1	→					
		1530	CS-02868		2	1	←		1	→					

TOTAL NUMBER OF CONTAINERS 34 HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① K. P. Lyl	DATE: 9/17/96 TIME: 1720	RECEIVED BY: ② Sara E. Lamb	DATE: 9-19-96 TIME: 1000
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Fed Ex WAY BILL No. 1983007327

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Goldenrod –Sampler Copy

SAMPLE TEAM: K. Lynch, K. Wehn

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1001 (D) OCT 31/94(NF) REV.1 (F-05)

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Niagara Falls, NY 14304 (716)297-6150

ENCOTEC
ANN ARBOR, MI

Oxychem T-Area Love Canal
Bag Sampling

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBICIDES	LDR TCLP Metals	LDR TCLP Metals	Total CN	PCDD/PCDF	REMARKS
	9/9/96	1355	CS-00061	SOIL	2	1	←			1	→			* Reference Encotec Project No. 71209.
		1530	CS-00273		2	1	←			1	→			
		1510	CS-00897		2	1	←			1	→			
		1500	CS-00996		2	1	←			1	→			
		1440	CS-01250		2	1	←			1	→			* Notify Tom Marshall of receipt of Samples.
		1420	CS-01506		2	1	←			1	→			
		1410	CS-02383		2	1	←			1	→			
		1354	CS-00501		2	1	←			1	→			
		1402	CS-00774		2	1	←			1	→			
		1409	CS-01692		2	1	←			1	→			
		1410	~~CS-01768~~ Broken - Resample		2	1	←			1	→			
		1443	CS-02622		2	1	←			1	→			
		1454	CS-09471 + MS/MSD		4	2	←			2	→			
		1458	~~CS-16213~~ Dupe of 02622 & used as original sample		2	1	←			1	→			

TOTAL NUMBER OF CONTAINERS 30 HEALTH/CHEMICAL HAZARDS Likely

RELINQUISHED BY: ① [signature]	DATE: 9/19/96 TIME: 1700	RECEIVED BY: ② [signature]	DATE: 9-20-96 TIME: 1000
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Fed ex WAY BILL No. 1983007643

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Goldenrod –Sampler Copy

SAMPLE TEAM: Kevin Lynch, Karen Wehn

RECEIVED FOR LABORATORY BY: DATE: TIME:

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CONE: :A-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

ENCOTEC

7438-T-AREA BAG SAMPLING

SAMPLER'S SIGNATURE: KS.Wehn / K Lynch PRINTED NAME: K.S.Wehn / K Lynch

SEQ. No.	1996 DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOC's	LDR SVOCS	LDR-TCLP (HERB)	Total CN	LDR TCLP MET	LDR TCLP Methanol	PCB / PEST	PCDD / PCDF	REMARKS
1	9-26	1114	CS-01768	soils	2	1	←		1	→				ATTN: TOM
2	9-26	1130	CS-02868	soils	2	1	←		1	→				Ref: ENCOTEC
3	9-26	1140	CS-03180	soils	2	1	←		1	→				Project No. 71209
4	9-26	1150	CS-03365	soils	2	1	←		1	→				
5	9-26	1200	CS-03693	soils	2	1	←		1	→				
6	9-26	1230	CS-04836	soils	2	1	←		1	→				
7	9-26	1240	CS-16312	soils	2	1	←		1	→				
8	9-26	1245	CS-05863	soils	2	1	←		1	→				
9	9-26	1255	CS-16412	soils	2	1	←		1	→				
10	9-26	1230	CS-06226	soils	2	1	←		1	→				
11	9-26	1240	CS-06387	soils	2	1	←		1	→				
12	9-26	1250	HR-09904 / MS/MSD	soils	4	1	←		1	→				
13	9-26	1330	HR-09670	soils	2	1	←		1	→				
14	9-26	1310	HR-09705	soils	2	1	←		1	→				
					30									

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS LIKELY

RELINQUISHED BY: ① Karen S. Wehn	DATE: 9-26-96 TIME: 1500	RECEIVED BY: ② [signature]	DATE: 9-27-96 TIME: 1000
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 198-3008-124

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Goldenrod –Sampler Copy

SAMPLE TEAM: Kevin Lynch, Karen S. Wehn

RECEIVED FOR LABORATORY BY: [signature] DATE: 9.27.96 TIME: 1000

Nº NF-1000

1001 (D) OCT 31/94(NF) REV 1 (F-05)

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Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): ENCOTEC ANN ARBOR, MI

REFERENCE NUMBER: 1455 T-Area Bag Sampling Love Canal Wastes

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCS	LDR SVOCS	LDR PEST/PCB	LDR HERBICIDE	LDR TCLP METALS	LDR TCLP Methods	Total CN	PCDD/PCDF	REMARKS
	10/3/96	1547	CD-12880	SOIL	2	1	←		1	→				Ref Encotec
		1535	CD-12921		2	1	←		1	→				Project #
		1609	CD-13282		2	1	←		1	→				71209
		1556	CD-13120		2	1	←		1	→				
		1617	CD-13429		2	1	←		1	→				Tom Marshall
		1518	FC-15278		2	1	←		1	→				is Encotec
		1610	CS2-08221		2	1	←		1	→				Proj. Mgr.

TOTAL NUMBER OF CONTAINERS 14 HEALTH/CHEMICAL HAZARDS Likely

RELINQUISHED BY: ① [signature]	DATE: 10/3/96 TIME: 1730	RECEIVED BY: ② [signature]	DATE: 10-4-96 TIME: 0915
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 1983008657

White	-Fully Executed Copy
Yellow	-Receiving Laboratory Copy
Pink	-Shipper Copy
Goldenrod	-Sampler Copy

SAMPLE TEAM: K. Lynch, K. Wehn

RECEIVED FOR LABORATORY BY: [signature] DATE: 10-4-96 TIME: 0915

Nº NF- 3554

1001 (D) OCT 31/94(NF) REV.1 (F-05)

TreaTek - CRA™ COMPANY
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-2160

SHIPPED TO (Laboratory Name): ENCOTEC

REFERENCE NUMBER: 7438 T-AREA BAG Sampling

SAMPLER'S SIGNATURE: Karen S Wehn PRINTED NAME: KAREN S. WEHN

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOC's	LDR SVOC's	LDR-TCLP PCB-HERB-PEST	TOTAL CN	PCDD-PCDF	LDR-TCLP METALS	LDR-TCLP METALS	REMARKS
1	10-17	1447	CS-07109 - MS/MSD	Soils	4	2	←	→	2	→			Attention! Tom L
2	10-17	1500	CS-07078	Soils	2	1	←	→	1	→			
3	10-17	1510	CS-06910	Soils	2	1	←	→	1	→			
4	10-17	1520	CS-06592	Soils	2	1	←	→	1	→			Reference Encotec project 71209
5	10-17	1528	CS-06670	Soils	2	1	←	→	1	→			
6	10-17	1120	CS-06801	Soils	2	1	←	→	1	→			
7	10-18	1130	CS2-07240	Soils	2	1	←	→	1	→			
8	10-18	1155	CS-06471	Soils	2	1	←	→	1	→			
9	10-18	1245	CS2-07413	Soils	2	1	←	→	1	→			
10	10-18	1300	CS2-07324	Soils	2	1	←	→	1	→			
11	10-18	1210	CS-06145	Soils	2	1	←	→	1	→			
12	10-18	1220	CS-05935	Soils	2	1	←	→	1	→			
~~13~~	~~10-18~~		TOTAL	~~Soils~~	~~2~~	1	←	→	1	→			
~~14~~	~~10-18~~		13 500mls										
			13 125ms		26								

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① Karen S Wehn	DATE: 10-18-96 TIME:	RECEIVED BY: ② Scott DeLuca	DATE: 10/19/96 TIME: 9:35
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT:

WAY BILL No.

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: KAREN S. WEHN

RECEIVED FOR LABORATORY BY:

DATE: TIME:

Nº NF-1597

1001 (D) OCT 31/94(NF) REV.0 (F-13)

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Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (LABORATORY NAME): Encotec

7438 T-AREA BAG Sampling

SAMPLER'S SIGNATURE: Karen S. Wehn PRINTED NAME: KAREN S. Wehn

SEQ. No.	1996 DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: LDR VOCS	LDR SVOCS	LDR-TCLP R.B. HERB. PEST	TOTAL CN	LDR-TCLP METHANOL	LDR-TCLP METALS	PCDD-PCDF	REMARKS
1	OCT 23	1411	CS-05576	Soils	2	1	←	→	1	→			Attention - Tom
2	OCT 23	1415	CS-05673	Soils	2	1	←	→	1	→			
3	OCT 23	1420	CS-05460	Soils	2	1	←	→	1	→			
4	OCT 23	1430	CS-05261	Soils	2	1	←	→	1	→			Reference Encotec Project 71209
5	OCT 23	1440	CS-05087	Soils	2	1	←	→	1	→			
6	OCT 23	1450	CS-05085	Soils	2	1	←	→	1	→			
7	[illegible]	1520	CS-16512	Soils	2	1	←	→	1	→			
8	OCT 23	1513	CS-04585	Soils	2	1	←	→	1	→			
9	OCT 23	1520	CS-04305	Soils	2	1	←	→	1	→			
10	OCT 23	1530	CS-04072	Soils	2	1	←	→	1	→			
11	OCT 23	1535	CS-04222	Soils	2	1	←	→	1	→			
12	OCT 23	1549	CS-04169	Soils	2	1	←	→	1	→			
					24								

TOTAL NUMBER OF CONTAINERS: 24

HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① Karen S. Wehn	DATE: OCT 23 TIME: 1643	RECEIVED BY: ② [signature]	DATE: 10-26-96 TIME: 0900
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT:

WAY BILL No.

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: Karen S. Wehn, Greg Bonk

RECEIVED FOR LABORATORY BY: [signature]
DATE: 10-26-96 TIME: 0900

Nº NF- 3560

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06

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Niagara Falls, NY 14304 (716)297-6150

ENCOTEC
ANN ARBOR, MI

Oxychem T-Area Love Canal
Bag Sampling

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBS	TCLP Metals	TCLP Methanol	Total CN	PCDD/PCDF	REMARKS
	10/29/96	1415	CS-04460	Soil	2	1	←		1	→				Contact Tom
		1410	CS-04612		2	1	←		1	→				Marshall for
		1425	CS-04902		2	1	←		1	→				Analytical Requirements
		1315	CS-05183 + MS/MSD		4	2	←		2	→				
		1350	CS-05381		2	1	←		1	→				Ref ENCOTEC
		1250	CS-08993		2	1	←		1	→				Project 71209

TOTAL NUMBER OF CONTAINERS: 14

HEALTH/CHEMICAL HAZARDS: Likely

RELINQUISHED BY: ① [signature]	DATE: 10/29/96 TIME: 1530	RECEIVED BY: ② [signature]	DATE: 10-30-96 TIME: 1000
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 1983010443

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Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: K. LYNCH, G. GILL

RECEIVED FOR LABORATORY BY: [signature] DATE: 10-30-96 TIME: 1000

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Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): ENCOTEC ANN ARBOR, MI

REFERENCE NUMBER: T-Area Love Canal Bag Sampling - Oxychem

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PEST/PCB	LDR HERBICIDE	TCLP METALS	TCLP METHANOL	TOTAL CN	PCDD/PCDF	REMARKS
	10/31/96	1410	CS-00336	SOIL	2	1	←			1	→			Ref ENCOTEC
	↓	1435	CS-01089	↓	2	1	←			1	→			Project #71209
		1420	CS-00478		2	1	←			1	→			
		1450	CS-01428		2	1	←			1	→			
		1500	CS-01397		2	1	←			1	→			
		1510	CS-02070		2	1	←			1	→			
		1525	CS-02568		2	1	←			1	→			
	↓	1540	CS-02192	↓	2	1	←			1	→			

TOTAL NUMBER OF CONTAINERS 16 HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: ① [signature]	DATE: 10/31/96 TIME: 1700	RECEIVED BY: ② [signature]	DATE: 11-1-96 TIME: 0930
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 198 3010 827

White	-Fully Executed Copy
Yellow	-Receiving Laboratory Copy
Pink	-Shipper Copy
Goldenrod	-Sampler Copy

SAMPLE TEAM: K. LYNCH

RECEIVED FOR LABORATORY BY: [signature]
DATE: 11-1-96 TIME: 0930

№ NF- 3562

1001 (D) OCT 31/94(NF) REV.1 (F-05)

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2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): ENCOTEC ANN ARBOR, MI

REFERENCE NUMBER: 7438
T-AREA BAG SAMPLING - COVE CANAL BAGS.

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: KEVIN LYNCH

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOCs	LDR SVOCs	LDR PESTICIDES	LDR HERBICIDES	TCLP METALS	TCLP METHANOL	TOTAL CN	PCDD/PCDF	REMARKS
	11/5/96	1420	CS-03069	SOIL	2	1	←	←	←	1	→	→	→	
	↓	1435	CS-03254	↓	2	1	←	←	←	1	→	→	→	
		1445	CS-03478 + MS/MSD		4	2	←	←	←	2	→	→	→	
		1500	CS-03737		2	1	←	←	←	1	→	→	→	
		1515	CS-03814		2	1	←	←	←	1	→	→	→	

TOTAL NUMBER OF CONTAINERS 12 HEALTH/CHEMICAL HAZARDS LIKELY

RELINQUISHED BY: ① [signature]	DATE: 11/5/96 TIME: 1700	RECEIVED BY: ② [signature]	DATE: 11-6-96 TIME: 0900
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No.

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Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: K. LYNCH

RECEIVED FOR LABORATORY BY: [signature]
DATE: 11-6-96 TIME: 0900

№ NF-3563

1001 (D) OCT 31/94(NF) REV.1 (F-05)

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2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): ENCOTEC

REFERENCE: 7438 T-AREA BAG SAMPLING

SAMPLER'S SIGNATURE: K.S. Wehn PRINTED NAME: K.S. Wehn

SEQ. No.	1996 DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: LDR VOCS	LDR SVOCS	LDR-TCLP HERB-PEST-PCB	TOTAL CN	LDR-TCLP METHANOL	LDR-TCLP METALS	RDP-PCDF	REMARKS
1	11-13-96	1105	CS2-08338	Soils	2	1	←		1	→			Attention Tom
2	11-13	1140	CS2-08921	Soils	2	1	←		1	→			
3	11-13	1134	CS2-08761	Soils	2	1	←		1	→			Reference Request of ENCOTEC # 71209
4	11-13	1117	CS2-08602	Soils	2	1	←		1	→			
5	11-13	1322	CS2-09048	Soils	2	1	←		1	→			
6	11-13	1332	CS2-09230	Soils	2	1	←		1	→			
7	11-13	1347	HR-10535	Soils	2	1	←		1	→			
8	11-13	1355	HR-10678	Soils	2	1	←		1	→			
9	11-13	1402	HR-10712	Soils	2	1	←		1	→			
10	11-13	1340	HR-10392	Soils	2	1	←		1	→			
11	11-13	1428	CD-10984	Soils	2	1	←		1	→			
12	11-13	1437	[redacted]-HR-10860	Soils	2	1	←		1	→			
13	11-13	1445	[redacted]-CD-11081	Soils	2	1	←		1	→			
14	11-13	1454	CD-11248	Soils	2	1	←		1	→			
15	11-13	1504	CD-11466	Soils	2	1	←		1	→			
16	11-13	1534	CD-11569 +MS+MSD	Soils	4	2	←		2	→			
17	11-13	1530	CS2-16612	Soils	2	1	←		1	→			
18	11-13		TOTAL NUMBER OF CONTAINERS		38	HEALTH/CHEMICAL HAZARDS							

38 TOTAL

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Nº NF-

11-13 1545 CD 11741 SOIL 2 1 ← 1 →

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7438 -T-AREA BAG- SAMPLING

SAMPLER'S SIGNATURE: K-WEHN PRINTED NAME: KAREN S. Wehn

SEQ. No.	1996 DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	LDR VOLS	LDR SVOCS / LDR-TCLP HERB.-PEST PCB	TOTAL CN	LDR-TCLP METALS / LDR-TCLP METALS	PCDD-PCDF	REMARKS
1	11-14	0945	CD-13020	Soils	2	1	←	1	→		Attention
2	11-14	1010	CD-12695	Soils	2	1	←	1	→		Tom
3	11-14	1000	CD-12708	Soils	2	1	←	1	→		Reference
4	11-14	1118	CS2-08885	Soils	2	1	←	1	→		Encotec Project
5	11-14	1034	CD-12112	Soils	2	1	←	1	→		71209
6	11-14	1020	CD-12488	Soils	2	1	←	1	→		
7	11-14	1055	CD-11889	Soils	2	1	←	1	→		
8	11-14	1105	CD-11372	Soils	2	1	←	1	→		
9	11-14	1045	CD-12211	Soils	2	1	←	1	→		
10	11-14	1421	CS-07226	Soils	2	1	←	1	→		
11	11-14	1540	CS2-07985	Soils	2	1	←	1	→		
12	11-15	0930	D-14073	Soils	2	1	←	1	→		
13	11-15	1000	D-14445	Soils	2	1	←	1	→		
14	11-15	0917	D-14674	Soils	2	1	←	1	→		
15	11-15	0950	D-14391	Soils	2	1	←	1	→		
16	11-15	0945	D-14522	Soils	2	1	←	1	→		
17	11-15	1005	D-14157	Soils	3	1	←	2	→		
TOTAL NUMBER OF CONTAINERS					35 / 10	HEALTH/CHEMICAL HAZARDS LIKELY					

RELINQUISHED BY: ① Karen S. Wehn	DATE: 11-15-96 TIME: 1500	RECEIVED BY: ② [signature]	DATE: 11-18-96 TIME:
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Niagara Falls, NY 14304 (716)297-2160

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7438 T-AREA BAG SAMPLING

SAMPLER'S SIGNATURE: K S Wehn PRINTED NAME: KAREN S. WEHN

SEQ. No.	1996 DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: LDR VOCS	LDR SVOCS	LDR-TCLP HERB-PEST-PCB's	Total CN	LDR-TCLP METHANOL	LDR-TCLP METAL	PCDD-PCDF	REMARKS
1	11-15	1037	D-14247	Soils	3	1	←		2	→			
2	11-15	1046	D-14239	Soils	3	1	←		2	→			Attention Tom
						1							
						1							
													Reference ENCOTEC Project 71209

TOTAL NUMBER OF CONTAINERS 11-15-96 HEALTH/CHEMICAL HAZARDS LIKELY

RELINQUISHED BY: ① Karen S. Wehn	DATE: ~~1500~~ TIME:	RECEIVED BY: ② [signature]	DATE: 11/16/96 TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FED EX WAY BILL No. 198-3012-143

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SAMPLE TEAM: KAREN S. Wehn

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