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TECHNICAL MEMORANDA NOS. 6, 8 AND 12 RESERVOIR LIQUIDS TESTING REPORT OF FINDINGS

WASTE DISPOSAL, INC. SUPERFUND SITE SANTA FE SPRINGS, CALIFORNIA

Prepared for

United State Environmental Protection Agency

Prepared by

TRC

Irvine, California

Representing

Waste Disposal, Inc. Group (WDIG)

Project No. 94-256
October 1998

WASTE DISPOSAL INC. SUPERFUND SITE

Project Coordinator

October 30, 1998 Project No. 94-256

Mr. Mark Filippini
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Transmittal
Technical Memoranda Nos. 6, 8 and 12 Report of Findings
Waste Disposal, Inc. Superfund Site

Dear Mark:

Enclosed is the Technical Memoranda Nos. 6, 8 and 12 Report of Findings (ROF) for the Waste Disposal, Inc. (WDI) Superfund site. The submittal of this ROF is consistent with the timetable for field investigation documentation forwarded to you on October 9, 1998.

To date we have submitted the following reports to EPA, per the timetable:

- Trenching Activities ROF, submitted October 16, 1998.
- TM No. 10 ROF, submitted October 21, 1998.

We anticipate that the remaining field investigation documentation will be completed per the timetable.

In order to schedule the preparation of the RD Investigative Activities Summary Report it is necessary for us to receive an indication of the schedule that EPA is working from for the completion of EPA field investigation documentation. Once we understand the EPA timetable we can commit to a submittal date for the RD Investigative Activities Summary Report.

If you have any questions or comments, please call me at (562) 692-4535.

Sincerely,

Ian Webster
WDIG Project Coordinator

IW/MG:im
Enclosure

cc: Andria Benner, EPA
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1.0 INTRODUCTION

1. This Report of Findings (ROF) has been prepared to summarize the reservoir liquids investigations conducted at the Waste Disposal, Inc. (WDI) Superfund site as outlined in the following Technical Memoranda (TMs):
   - TM No. 6 - Reservoir Liquids Recovery Testing
   - Addendum - TM No. 6 - Additional Extraction Wells and Pump Tests
   - TM No. 8 - Additional Reservoir Liquids Extraction Well/ Probe Sampling.
   - TM No. 12 - Additional Reservoir Liquids Recovery Testing and Piezometer Abandonment.

2. An Interim ROF for TM Nos. 6 and 8 was prepared and submitted to Environmental Protection Agency (EPA) in July 1998. The Interim ROF described the activities conducted as outlined in the Scope of Work in TM Nos. 6 and 8. The following summarizes these activities:
   - Installation of liquid extraction wells and monitoring probes in the buried central reservoir of the WDI site.
   - Pump testing of the installed wells.
   - Liquids chemistry characterization.
   - Soil gas characterization.

3. The purpose of TM Nos. 6 and 8 activities was to assist in determining the hydraulic yield potential and chemical characterization of the liquid material (free and aqueous phase) within the buried reservoir at the WDI site. The specific objectives for each of these activities were as follows:
   - Estimate the hydraulic yield of the saturated portion of the reservoir and extraction well radius of influence.
   - Delineate chemical and physical characteristics of both free and aqueous phases of encountered reservoir liquids.
   - Characterize chemistry of soil gas from evacuated portion of saturated reservoir material, if possible.

4. The results of the initial TM No. 6 activities (completed during the December 1997 to June 1998 timeframe) indicated the liquids extracted during the pump test were being yielded by the overlying fill soils and not the underlying, relatively impermeable waste material. To help verify this hypothesis, additional TM No. 6 activities (completed during the August to September 1998 timeframe) were performed. The additional activities consisted of two pump tests, performed at designated areas selected by EPA and Waste Disposal, Inc. Group (WDIG).

These areas were chosen based upon data collected from several 1-inch piezometers installed by EPA during July 1998. The piezometers were located on a 50-foot by 50-foot grid within the reservoir boundary. Figure 1 shows the location of the piezometers.

5. Liquids recovery tests were also performed as outlined in TM No. 12, which was approved by EPA on October 2, 1998. The tests consisted of purging 62 1-inch piezometers installed by EPA, noted above, and monitoring the recovery rates of the liquids. The data collected during the TM No. 12 recovery testing was used for the following:
   - Characterize the recharge rates of the reservoir liquids
   - Determine the presence and recovery rates of free product.
   - Determine if liquid levels return to static/background levels.
   - TM No. 12 also describes the procedure used to abandon the piezometers.

6. The findings described in this ROF for the reservoir liquids investigations will be incorporated in the Remedial Design (RD) Investigative Activities Summaries Report.

7. The remainder of this ROF is presented in the following sections:
   - Section 2.0 - TM Nos. 6, 8 and 12 Activities Performed
   - Section 3.0 - Findings
   - Section 4.0 - Conclusions

2.0 TM NOs. 6, 8 AND 12 ACTIVITIES PERFORMED

1. This section summarizes the reservoir liquids investigations completed as outlined in TM Nos. 6, 8 and 12. This section also describes how these activities were implemented and discusses changes to the planned scope of work that occurred due to encountered field conditions and observations.

2.1 TM NO. 6 ACTIVITIES

1. The scope of work for TM No. 6 activities included the following list of tasks:
   - Installation of six extraction wells and 16 monitoring probes (see Figure 2).
   - Monitoring of baseline conditions of the liquids in the buried reservoir in the newly installed wells and probes.
   - Performance of a series of step and cycle-pump tests on the extraction wells.
   - Monitoring of free and aqueous phase recovery rates.

- Sampling of free and aqueous phase liquids in the extraction wells and monitoring probes.
- Sampling of soil gas in Extraction Well WDI-EX-2 (EX-2).
- Liquids sampling at other wells located within the reservoir.

Table 1 summarizes the execution sequence of these tasks.

2. As the scoped tasks were executed, field conditions dictated that some of the specifics outlined in TM No. 6 be modified, with EPA concurrence. The following paragraphs discuss each of the activities in detail, including the scope modifications.

2.1.1 PUMP TESTING AT EX-1 AND EX-2

1. The installation of WDI-EX-1 (EX-1) and monitoring probes WDI-P-1, -2, -3 and -4 were completed on December 11 and 12, 1997. The wells and probes were constructed to the bottom of the reservoir, approximately 22 to 24 feet in depth, with screened intervals extending through the fill and waste materials. Figures 3 and 4 illustrate the subsurface encountered during the well and probe installations. Appendix A contains the boring and construction logs for the wells and probes.

2. The stratigraphy of the reservoir materials was found to be relatively consistent. A silty sand to sandy silt fill soil layer of approximately 9 to 10 feet thick occurs over an approximately 15-foot layer of black stained clays (drilling muds) comprising the waste material. Initial monitoring of liquid levels indicated that EX-1 was essentially dry, although the monitoring probes each contained liquids at a consistent elevation. Free product was detected at each monitoring probe with varying thicknesses. These findings were consistent in liquid level monitoring events conducted through March 1998. Table 2 summarizes the liquid level monitoring data prior to pumping. Following March 1998, TM No. 6 activities were temporarily suspended due to adverse weather conditions.

3. TM No. 6 activities resumed in May 1998. At that time, EX-1 continued to be essentially dry. Based on these conditions, an additional extraction well, EX-2, was installed on May 4, 1998, at the location shown on Figure 2. Construction of EX-2 was similar to EX-1. Liquids were measured in EX-2 at levels consistent with the monitoring probes.

4. Well EX-2 and the monitoring probes were measured for background liquid level monitoring on May 4 through 7, 1998 using electric sounding and logging equipment. Between May 5 and 11, 1998, WDIG and EPA's Emergency Response Team (ERT) sampled EX-2

and the monitoring probes. The initial 0.5 gallon per minute (gpm) pump test was originally scheduled to begin on May 11, 1998; however, due to significant drawdown in EX-2 and the monitoring probes by the sampling events performed by WDIG and ERT, a joint decision was made by TRC and EPA to postpone the start of the pump test until the liquids had sufficient time to recover to static levels.

5. The 0.5 gpm pump test was reinitiated on May 21, 1998. EX-2 was dewatered to the pump inlet in three hours and nineteen minutes (see Figure 5 for liquid drawdown data). Approximately 93 gallons of liquids were purged from the extraction well. The procedure in TM No. 6 called for a series of step tests with increasing pump rates (i.e., 1,1.5, 2.0 and 4.0 gpm). Results from the 0.5 gpm indicated that this procedure could not be implemented because of the low yield from the reservoir material. Following consultation with EPA, a decision was made to reduce the pump rate to 0.25 gpm.

6. The 0.25 gpm test was initiated on June 2, 1998. EX-2 dewatered in approximately five hours and five minutes. Approximately 232 gallons of liquids were extracted during this test. At the completion of this time, and after a consultation with EPA, it was decided to complete a series of pump cycle tests over a 24-hour period to establish if a sustainable liquid extraction rate could be achieved. The pump cycle tests were conducted manually by switching on the pump at full capacity until the well was dewatered, then allowing recharge. At full capacity the pump dewatered the wells in approximately two to three minutes. The recharge into the well ranged from 6 to 8 feet (see Figure 6 for liquid drawdown data). The pump was cycled on at approximately two to four hour intervals.

7. The approximate radius of influence and liquid drawdown conditions from pumping EX-2 are shown in Figures 7 and 8.

8. Approximately 325 gallons were extracted from EX-2 during the pump tests. At the completion of WDIG's pump test activities, ERT performed tests at EX-2 and generated approximately 2,500 additional gallons of liquids. Purged liquids were discharged to a 6,000-gallon Baker™ tank. Although TM No. 6 called for the expeditious disposal of these liquids, it was decided, with EPA's concurrence, that the liquids will remain contained onsite until future pumping activities are completed. On September 23, 1998 a composite sample was collected for three tanks and profiled for disposal. EPA approved Chemical Waste Management (CWM) of Azusa for the disposal facility of the purged liquids on

October 8, 1998. On October 29, 1998, the liquids were hauled offsite to CWM by Consolidated Waste Industries (CWI). Appendix B contains the laboratory reports and Chain-of-Custody.

9. Free and aqueous phase liquids were sampled and analyzed from EX-2 and monitoring probes prior to the 0.5 gpm pump test. EX-2, P-1 and VW-09 were also sampled at the conclusion of the 0.25 gpm pump test since only these wells showed an influence during the test. Analytical results are summarized on Tables 3 and 4.

10. A soil gas sample was collected from EX-2 on June 11, 1998. Soil gas samples from the monitoring probes were not collected because little to no portion of the probe screened interval was exposed. The analytical results of the volatile organic compounds (VOCs) detected in the soil gas samples are summarized below:

    - Vinyl Chloride: 34 ppm
    - Methylene Chloride: 0.78 ppm
    - trans-1, 2-Dichloroethene: 1.4 ppm
    - cis-1, 2-Dichloroethane: 15 ppm
    - 2-Butanane: 0.79 ppm
    - Benzene: 11 ppm
    - Trichloroethene: 8.5 ppm
    - Toluene: 15 ppm
    - 4-Methyl-2-Pentanone: 2.4 ppm
    - Tetrachloroethene: 0.46 ppm
    - Ethylbenzene: 1.4 ppm
    - m,p-Xylenes: 6.2 ppm
    - 0-Xylene: 1.7 ppm

    Additional VOCs were nondetect, and therefore, are not listed. These results shown above are higher than previous vapor well monitoring results from within the reservoir area. This is due to the pumping activity which can increase the volatilization of organics from liquids during drawdown and recovery, where the liquids can volatilize to fill the pore space. The sample was not analyzed for methane due to an oversight by the laboratory. Appendix B contains the laboratory reports and chain-of-custody.

11. Additional wells within the reservoir boundaries were also sampled for liquid characterization. The locations of these other wells are shown on Figure 9. The results of the sample analyses are summarized in Table 3.

12. Microbial analysis of the extraction liquids indicates the presence of aerobic and anaerobic bacteria in the samples, as shown in Table 4. In general, the microbial levels were relatively low (i.e., less than 1,000,000 organics/L), with the exception of WDI-NDP-3 (EX-4 monitoring probe) which had 2,400,000 and 2,900,000, anaerobic and aerobic organics/L, respectively. It was anticipated that the anaerobic bacteria levels would likely be in the range of 10 to 100 million organisms per liter given the anaerobic nature of the liquids. The lower than expected anaerobic bacterial levels are consistent with the observed low methane generation rates.

13. Samples of the oily liquids from the pump testing were also analyzed to determine the British Thermal Units (BTU) and sulfur contents to evaluate the potential for these materials to be used as an alternative fuel material, or blended with a fuel source for use in an industrial type boiler or incineration. Oily materials with a BTU over 12,000 may have the potential for use in fuels or fuel blend. Sulfur contents greater than one percent generally reduce the feasibility of use as a fuel. As shown in Table 4, several of the well samples exceed the 12,000 BTU level and therefore could be considered for use in fuels. The sulfur contents of the samples all appear well below the 1 percent level, which could allow their use as a fuel if disposal is required. It must be considered that the oily portion of the liquids is only a small amount of the overall liquids in the reservoir, and therefore use as an alternate fuel may not be practical.

2.1.2 PUMP TESTING AT EX-4 AND EX-6

1. The results of the TM No. 6 activities indicated that the reservoir liquids extracted during pump tests at EX-2 were being yielded by the overlying fill soils and not the underlying, relatively impermeable waste material. This implies that the volume of mobile liquids is confined to a fairly thin zone on top of the fill/waste material interface (i.e., "Transition Zone"). Therefore, an addendum to TM No. 6, Addendum-TM No. 6 Additional Extraction Wells and Pump Tests, was implemented to verify this hypothesis. This addendum was approved by EPA on August 5, 1998.

   The scope of the additional field investigative activities included the following:

   - Installation of four liquid extraction wells (EX-3, -4, -5 and -6) at locations in the reservoir determined in conjunction with EPA's reservoir boring investigation results (see Figures 1 and 2). The locations were selected based on field observations of the EPA borings and after consensus between EPA's and WDIG's representatives. The construction of the extraction wells (EX-3, -4, -5 and -6) and 12 associated monitoring probes were similar to existing extraction wells (EX-1 and -2) and piezometers (P-1 through -4).

- Pump cycle tests were performed in the new extraction wells, with associated monitoring in the adjacent well(s) and probes. The cycle tests were completed using similar procedures employed for the pump cycle test at EX-2.
- Liquid samples were collected from the new wells for chemical characterization, using the procedures and suite of analysis outlined in TM No. 6.

2. The installation of extraction wells EX-3 through –6 and monitoring probes (NSP-1, -2, -3; NDP-1, -2, -3; SSP-1, -2, -3; SDP-1, -2, -3) were completed on August 10, 11 and 12, 1998. Figure 2 shows the locations of the wells and probes. The deep probes located within the northern boundary of the reservoir (i.e., NDP probes) were constructed to the bottom of the reservoir, approximately 22 to 24 feet in depth, with screened intervals extending only through the waste material. The shallow probes (i.e., NSP probes) were constructed to the bottom of the fill material, approximately 9 to 10 feet, with screened intervals extending only through the fill material. The probes located within the southern or central test area of the reservoir (i.e., SAP and SSP probes) were constructed similar to the probes noted above. Figures 10 through 13 illustrate the subsurface encountered during the well and probe installations. Appendix A contains the boring and construction logs for the wells and probes.

3. The stratigraphy of the reservoir materials was consistent with previous TM No. 6 activities. A silty sand to sandy silt fill soil layer of approximately 9 to 10 feet thick occurs over an approximately 15-foot layer of black stained clays (drilling muds) comprising the waste material. Monitoring of liquid levels indicated that the shallow extraction wells (EX-3 and -5) were essentially dry, however the shallow monitoring probes contained liquids at similar elevations to the deep monitoring probes. Free product was detected in a few of the monitoring probes with varying thicknesses. Table 2 summarizes the liquid level monitoring data prior to pumping.

4. Free and aqueous phase liquids were sampled and analyzed from the extraction wells and monitoring probes prior to the pump tests. Analytical results are summarized on Tables 3A and 4 and discussed in Section 2.1.1.

5. The EX-4 pump test was initiated on August 19, 1998. The pump cycle tests were conducted by electrode sensors switching on the pump at full capacity until the well was dewatered, then allowing recharge. Refer to Figure 14 for the location of the sensors. EX-4 was dewatered to the pump inlet in approximately 10 minutes (see Figure 15). The extraction well recovered to

the sensor after 4.5 days. A complete series of two pump cycle tests were performed over an 18 day period to establish if a sustainable liquid extraction rate could be achieved. Due to the slow recovery rate, only 2 cycles occurred over 18 days. A total of approximately 42 gallons of liquids were purged from EX-4 during this time.

6. The EX-6 pump test was initiated on September 15, 1998. The pump test was set up and was similar to the EX-4 pump test. EX-6 dewatered in approximately 10 minutes (see Figure 16). A complete series of ten pump cycle tests was performed over a 14 day period to establish if a sustainable liquid extraction rate could be achieved. A total of approximately 139 gallons of liquids were extracted during this test.

7. There did not appear to be a radius of influence during the pumping from EX-4 and -6 (see Figures 10 through 13). Liquid levels monitored in the deep probes which are located 10, 20 and 40 feet from the extraction wells showed minor fluctuations in elevations which could be influenced by the barometric pressure. These observations are consistent with EX-2 pump test data. However, during the recovery phase of EX-4 pump test, a slight decrease in liquid level at NDP-2 was observed. This could have been influenced during EPA trenching activities which occurred during the same timeframe.

8. A total of approximately 180 gallons were extracted from EX-4 and –6 during the pump tests and stored in two separate Baker Tanks from EX-2 purged liquids. These liquids were sampled and handled similar to EX-2 purged liquids. Refer to Section 2.1.1 for a complete description.

2.2 TM NO. 12 ACTIVITIES

1. Liquid recovery testing of the piezometers was initiated on October 1, 1998. Prior to purging, liquid levels were monitored using a water/oil interface probe (see Table 5 for monitoring results). The liquid levels and the presence and thickness of free-product varied in the piezometers, similar to TM No. 6 extraction wells and monitoring probes. Purging activities were conducted by using a peristaltic pump and placing tygon tubing to the bottom of the piezometer. The piezometers were purged at a rate of approximately 0.15 gpm until the piezometer was dewatered or a minimum of one well volume (approximately one gallon) was purged. The liquid levels were monitored initially, one hour and 24 hours after purging.

2. Approximately 65 gallons of liquids were purged during the field activities. The purged liquids were discharged into two 55-gallon drums. Disposal of these liquids will be handled during TM No. 11 - Reservoir Grading and Waste/Debris Management activities.

3. At the completion of the recovery monitoring, the piezometers were abandoned by pulling the PVC out of the ground, cutting off the top 4 feet, pushing the PVC back into the ground and then pressure grouting the hole.

3.0 FINDINGS

3.1 TM NOS. 6 AND 8 ACTIVITIES

1. The liquid measurements for all of the extraction wells (EX-1 through EX-6) and the monitoring probes, demonstrates a tremendous variability of the liquid content and permeability characteristics of the solid materials encountered within the reservoir.

2. The presence and thickness of the floating free product also varied in all of the wells. EX-2 did not encounter free product initially; however, a small quantity of product was induced into the well following repeated pumping. EX-4 did not encounter free product during the duration of the pump test activities. Some of the monitoring probes had measurable layers of floating product, ranging from 0.52 inches to 7.27 feet. The free product thickness also varied over time within individual probes, with product thickness deltas in some individual probes as high as 4.77 feet. Table 2 shows the liquid levels and the thickness of free product during TM No. 6 activities.

3. The results of the pump tests showed that the reservoir liquids have a relatively low hydraulic yield. The short-term cycle pump tests yielded the following:

PUMP TEST LOCATION	APPROXIMATE AVERAGE YIELD (gpm)
EX-2	0.050
EX-4	0.001
EX-6	0.020

Table 6 summarizes the hydraulic yields of the material for the pump tests at EX-2, -4 and -6.

4. Analysis of the drawdown curves indicated the following:

EX-2:

- There is an apparent break in both the drawdown and recovery curves for the well, at the elevation of the contact between fill soil and waste material. Figures 5 and 6 indicate the slope breaks in the recovery curves; the drawdown curves slope breaks are masked by the horizontal scale needed to show all the test data. This break is probably caused by a boundary condition imposed because the waste material is not significantly contributing to the hydraulic yield of the well. This finding is not surprising given that the waste material observed during well installation was of a highly impervious nature (i.e., drilling muds).
- The drawdown curve from the 0.25 pump test from monitoring probe VW-09, when subjected to a pump test analysis, indicated that the hydraulic conductivity of the fill soil is on the order of approximately 1×10^{-4} cm/sec., which is consistent for silty soils (see Figure 17).

Appendix C contains the hydraulic conductivity calculations for EX-2 pump test.

EX-4:

- The drawdown curves for both the pump test indicated that the hydraulic conductivity of the waste material is significantly lower than EX-2 since no radius of influence was observed. A break in the EX-4 drawdown curve was also not observed in the data.

EX-6:

- The drawdown curves for the pump test indicated that the hydraulic conductivity of the waste material is significantly lower than EX-2 since no radius of influence was observed. A break in the EX-6 drawdown curve was not observed in the data.

Appendix C contains the hydraulic conductivity calculations for EX-2 pump test

5. Review of the drawdown data from the monitoring probes indicates that the radius of influence from well EX-2 ranges from less than 5 to approximately 20 feet. The following table summarizes the greatest drawdown maximum in each probe.

	Distance from EX-2	Direction from EX-2	Maximum Drawdown (ft)
P-1	5	North	0.85
VW-09	15	South	3.5
P-2	23	East	--
P-3	26	West	--
P-4	45	East	0.41

Although P-4 did see influence at 45 feet, P-2 is directly between it and EX-2 (see Figure 2 for the location of the well and probes); discontinuity in the influence sphere is probably covered by material hydraulic conductivity heterogenity. However, during ERT liquids investigations at EX-2, a drawdown in liquid levels was observed at P-2 and P-3.

6. Review of the drawdown data from the monitoring probes during EX-4 and EX-6 pump test did not appear to show an influence of drawdown directly related to pumping. However, there did appear to be minor fluctuations in elevations ranging from 0.1 feet to 0.3 feet. These fluctuations are part of the naturally occurring phenomena (i.e., possibly influenced by changes in barometric pressure) which have been observed throughout TM No. 6 activities.

7. The results of the chemical analyses of the encountered liquids generally did not indicate conditions that would not be expected given the history of deposition at the site. The analyses confirm that the waste material contains spent oil incorporated in drilling muds. Analysis of the reservoir liquids indicates they are not considered a hazardous waste. However, one well, P-3, showed high PCB levels when sampled by EPA. Subsequent samples were collected by WDIG and the PCB levels were within nonhazardous criteria. Tables 7 and 8 summarize the chemical characteristics of the liquids encountered.

8. Soil gas sampling of EX-2 indicated elevated levels of vinyl chloride, cis-1,2- dichloroethene, benzene, toluene and total xylenes at concentrations of 34, 15, 11, 15 and 7.9 ppm respectively. The gases may have volatized from liquids during pumping and therefore may not expected to be representative of the true soil gas conditions in the reservoir.

3.2 TM NO. 12 ACTIVITIES

1. Observations made during TM No. 12 activities also show the tremendous variability of the liquids and material characteristics encountered within the reservoir boundary. This is supported by the drawdown depths, recovery rates and levels recorded during field activities. Appendix D contains the field data collected during TM No. 12 activities.

2. Prior to purging, the presence and thickness of the floating free product varied in all the wells ranging from a sheen on the surface to approximately 5.25 feet thick.

3. Drawdown levels measured immediately after pumping activities have shown an influence ranging from no drawdown to purging the piezometer dry (see Table 5 for liquid levels).

4. Recovery of the liquids were monitored initially, one hour and 24 hours following purging activities. In some of the piezometers, liquid levels recovered back to and even greater than the original level (i.e., prior to purging). Most of the wells, however, did not recover back to within prepurge liquid levels (i.e., ± 0.20 feet)[1]. The following is a summary of the results:

NO. OF PIEZOMETERS	FINAL LIQUID LEVEL CONDITION
4	> original level (prepurge)
28	< original level (prepurge)
30	= original level (prepurge)

Table 5 summarizes the liquid levels monitored during field activities.[2]

4.0 CONCLUSIONS

1. In order to further investigate the reservoir liquids and materials characteristics, WDIG performed several pump test activities within the reservoir boundary. WDIG's findings indicate that there is a tremendous variability in the liquids and materials characteristics within the reservoir. This is also demonstrated by the data collected during EPA and WDIG trenching activities [2].

2. Observations and analytical data collected during trenching and TM Nos. 6, 8 and 12 activities showed the following characteristics of the materials encountered within the reservoir:
   - Reservoir liquids consist of infiltrated rainwater and light crude oil.
   - Fill material consists of an extremely heterogeneous silty sand to sandy silt layer intermixed with wood and concrete debris.
   - Waste material consists of black stained clays (drilling muds).
   - Hydraulic characteristics of liquids within reservoir boundary are extremely heterogeneous.
   - Chemical characteristics of liquids do not indicate the liquids are a hazardous material.

3. Observations made during trenching and additional TM No. 6 and 12 activities support the hypothesis that there is a perched layer of liquids on top of the waste material. Field

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(1) Based on average liquid level fluctuations observed in wells during TM No. 6 activities.

(2) TRC, *Phase II – Reservoir Interior Test Trench Excavation Report of Findings*, October 1998.

observations indicate that the free-liquids are encountered within a "transition zone" of the fill and waste material ranging between 8 to 10 feet below ground surface.

4. A total of 22 wells were installed by WDIG to demonstrate if the liquids in the reservoir could be effectively extracted by pumping activities. The data generated from these wells indicated the following:
   - Three of the six extraction wells were dry. This is due to the heterogeneous makeup of the fill and waste material.
   - Liquid levels appear to be related to the diameter of the wells (see Figure 18 for liquid level differences). The levels are influenced by: (1) low permeability of the fill and waste material; (2) limited volume of liquids; and (3) differences in void space determined by the diameter of the boring. The most reliable liquid level measurements are collected from the larger diameter wells, considering that the majority of the fill is dry and only the "transition zone" is saturated.
   - Low hydraulic yields of the material. Sustainable short-term yields ranged from 0.001 gpm to 0.050 gpm. The yields would be expected to decrease over time due to the limited zone of influence and volume of free-liquids.
   - Limited radius of influence ranging from less than 5 feet to approximately 20 feet during WDIG activities.

5. Assuming the minimum radius of influence was 5 feet, approximately 2,360 extraction wells would be required to attempt to dewater the reservoir. If the radius of influence was 20 feet, approximately 147 extraction wells would be required to attempt to dewater the reservoir. Regardless, due to the extreme heterogeneity of the materials in the reservoir it would be impractical to effectively dewater the reservoir using extraction technologies.

6. The purpose of performing the pumping activities was to demonstrate whether pumping was feasible to extract liquids from the reservoir. Based on the liquids investigations pumping or trenching are not a viable approachs to efficiently extract liquids from the reservoir. Aside from the mechanical impracticability of liquid extraction, chemical analyses of the liquids show that they are not hazardous. It is also important to note that ground water monitoring results do not indicate releases from the reservoir.

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
TM NOS. 6 AND 8			
12/11/97	Installation of Monitoring Probes P-1, -2, -3, -4.	--	--
12/12/97	Installation of EX-1.	--	--
12/16/97, 12/17/97, 12/19/97, 12/26/97, 2/4/98, 2/11/98, 2/19/98, 3/25/98	Sounded liquid levels in P-1 through -4, EX-1, VW-09.	--	Extraction Well EX-1 was dry.
5/4/98	Set transducers in EX-2, P-1 through -3 and VW-09.	Installed EX-2 under TM No. 8.	Began recording liquid levels in wells to establish background data.
5/6/98	Sounded liquid levels in P-1 through -4, EX-2, VW-09.	--	No free product detected in EX-2.
	ERT sampled and bailed P-1, -3 and -4.	Free product recovery will be determined by hand bailing and recording recovery rates using transducer.	--
5/7/98	Installed transducer in P-4. ERT sampled and bailed P-2 and VW-09.	Free product recovery will be determined by hand bailing and recording recovery rates using transducer.	--
5/11/98	Sampled and bailed P-1 to -4, VW-09 and EX-2.	--	--
	Initiated pump test at 0.5 gpm pump rate.	Ran test for approximately one hour and 45 minutes. EPA and TRC decided to stop test because wells had not fully recovered from sampling.	--
5/12/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	Wells were not fully recovered to static level.
5/13/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	Weather conditions (rain) postponed pump test startup.
5/21/98	Began pump test at 0.5 gpm pump rate.	--	Dewatered EX-2 in 3 hours and 19 minutes.

-- Not applicable

TRC

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
5/22/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	--
6/2/98	Began pump test at 0.25 gpm pump rate.	TRC and EPA decided to reduce the pump rate to 0.25 gpm based on results from 0.5 gpm results.	Dewatered EX-2 in 5 hours and 5 minutes.
	--	Began series of cycle pump tests to observe recovery rates and determine if perched zone can be dewatered.	--
6/3/98	--	Continued cycle pump tests.	--
6/11/98	Sampled liquids in VW-09, EX-2 and P-1.	--	--
	Collected soil gas sample in EX-2 after well was dewatered. Sampled liquids in additional wells (PB-2, -4 and -6) within reservoir.	--	--
8/10/98	Installation of monitoring probes NDP-1, NDP-2, NDP-3, NSP-1, NSP-2 and NSP-3.	--	--
8/11/98	Installation of monitoring probes SDP-1, SDP-2, SDP-3, SSP-1, SSP-2, SSP-3 and Extraction Wells EX-5 and EX-6.	--	--
8/12/98	Installation of Extraction Wells EX-3 and EX-4.	--	--
8/14/98	Sampled liquids in the northern pump test area (i.e., EX-3 and –4)	--	Extraction well EX-3 was dry.
8/17/98	Set transducers for pump test at north pump test area in (NDP-1, NDP-2, NDP-3).	--	--
8/18/98	Set pump in EX-4.	--	--
8/19/98	Initiated pump test at EX-4.	--	--
8/20/98	Sampled liquids at south pump test area (i.e., EX-5 and –6).	--	Extraction well EX-5 was dry.
09/01/98	Shut pump off at EX-4. Began recovery monitoring.	--	--
09/15/98	Initiated pump test at south pump test area in EX-6.	--	--
09/21/98	Shut pump off at EX-6. Began recovery monitoring.	--	--

-- Not applicable

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
TM NO. 12			
10/1/98	Began purging EPA one-inch piezometers	--	--
10/6/98	Began abandoning EPA one-inch piezometers	--	--

94-256/Rpts/TM#6,8,12 (10/29/98/im)

-- Not applicable

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-EX-1	12/16/97	ND	ND	ND	ND
	12/19/97	ND	23.24	ND	ND
	12/26/97	ND	23.21	ND	ND
	2/4/98	22.40	22.80	0.4	NM
	2/11/98	22.30	22.73	0.43	0.03
	2/19/98	22.32	22.70	0.42	0.01
	3/25/98	21.18	22.00	0.82	0.40
	5/4/98	NM	NM	NM	NM
	5/7/98	NM	NM	NM	NM
	5/12/98	NM	NM	NM	NM
	5/13/98	NM	NM	NM	NM
WDI-EX-2	12/16/97	ND	NM	ND	ND
	12/19/97	ND	NM	ND	ND
	12/26/97	ND	NM	ND	ND
	2/4/98	ND	NM	ND	ND
	2/11/98	ND	NM	ND	ND
	2/19/98	ND	NM	ND	ND
	3/25/98	ND	NM	ND	ND
	5/4/98	ND	NM	ND	ND
	5/7/98	ND	4.51	ND	ND
	5/12/98	ND	5.39	ND	ND
	5/13/98	ND	4.54	ND	ND
WDI-P-1	12/16/97	8.06	10.80	2.74	NM
	12/19/97	8.12	9.21	1.09	1.65
	12/26/97	8.10	9.31	1.21	0.12
	2/4/98	7.00	9.95	2.95	1.74
	2/11/98	9.87	13.10	3.23	0.28
	2/19/98	9.33	12.58	3.25	0.02
	3/25/98	8.86	11.89	3.03	0.22
	5/4/98	8.18	10.12	1.94	1.09
	5/7/98	7.80	8.32	0.52	1.42
	5/12/98	8.68	NM	NM	NM
	5/13/98	7.64	NM	NM	NM
WDI-P-2	12/16/97	5.70	6.10	0.40	NM
	12/19/97	5.38	6.50	1.12	0.72
	12/26/97	5.65	6.31	0.66	0.46
	2/4/98	3.45	5.45	2.00	1.34
	2/11/98	3.54	5.39	1.85	0.15
	2/19/98	3.33	4.46	1.13	0.72
	3/25/98	2.70	5.40	2.70	1.57
	5/4/98	2.75	4.05	1.30	1.40

ND = Not Detected
NM = Not Measured

TRC

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE (Continued)

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-P-2 (cont.)	5/7/98	2.82	4.52	1.70	0.40
	5/12/98	3.12	NM	NM	NM
	5/13/98	3.02	NM	NM	NM
WDI-P-3	12/16/97	5.10	10.85	5.75	NM
	12/19/97	4.72	10.11	5.39	0.36
	12/26/97	4.92	12.07	7.15	1.76
	2/4/98	2.50	9.71	7.21	0.06
	2/11/98	2.32	7.59	5.27	1.94
	2/19/98	1.94	7.55	5.61	0.34
	3/25/98	1.85	5.84	3.99	1.62
	5/4/98	3.12	4.15	1.03	2.96
	5/7/98	3.18	4.72	1.54	0.51
	5/12/98	3.12	NM	NM	NM
	5/13/98	2.73	NM	NM	NM
WDI-P-4	12/16/97	5.05	7.55	2.50	NM
	12/19/97	0.95	8.22	7.27	4.77
	12/26/97	4.80	9.34	4.54	2.73
	2/4/98	3.84	9.20	5.36	0.82
	2/11/98	3.42	9.27	5.85	0.49
	2/19/98	3.29	9.40	6.11	0.26
	3/25/98	4.24	9.24	5.00	1.11
	5/4/98	3.57	8.67	5.10	0.10
	5/7/98	2.39	8.88	6.49	1.39
	5/12/98	3.20	NM	NM	NM
	5/13/98	2.79	NM	NM	NM
WDI-VW-09	12/16/97	6.05	6.90	0.85	NM
	12/19/97	5.75	8.20	2.45	1.60
	12/26/97	6.00	6.72	0.72	1.73
	2/4/98	4.30	5.11	0.81	0.09
	2/11/98	4.32	5.09	0.77	0.04
	2/19/98	4.03	4.73	0.70	0.07
	3/25/98	3.60	4.40	0.80	0.10
	5/4/98	6.23	7.57	1.34	0.54
	5/7/98	3.81	4.86	1.05	0.29
	5/12/98	4.60	NM	NM	NM
	5/13/98	3.84	NM	NM	NM
WDI-EX-4	8/17/98	ND	12.65	NM	NM
	8/19/98	ND	17.58	NM	NM
WDI-NDP-1	8/17/98	ND	5.99	NM	NM
	8/19/98	ND	5.6	NM	NM
WDI-NDP-2	8/17/98	ND	4.81	NM	NM
	8/19/98	ND	4.8	NM	NM

ND = Not Detected
NM = Not Measured

TRC

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE (Continued)

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-NDP-3	8/17/98	4.29	NM	NM	NM
	8/19/98	4.21	NM	NM	NM
WDI-EX-6	8/19/98	4.88	9.06	4.18	NM
WDI-SDP-1	8/19/98	8.69	9.70	1.01	NM
	8/20/98	NM	22.0	NM	NM
WDI-SDP-2	8/19/98	8.81	9.28	0.47	NM
WDI-SDP-3	8/19/98	7.50	9.20	1.70	NM
	8/20/98	NM	20.9	NM	NM
WDI-SSP-1	8/19/98	ND	5.80	NM	NM
WDI-SSP-2	8/19/98	5.85	6.25	0.4	NM
WDI-SSP-3	8/19/98	ND	7.5	NM	NM

94-256 RPTS/InterimROF/TBLS&FIGS(10/29/98/im)

ND = Not Detected
NM = Not Measured

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBs EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	%
EX-2 (Aqueous Phase)	Acetone	1.8	1.6	2-Methyl Phenol	0.23	<0.5	PCB-1248	<0.001	<0.050	Arsenic	0.097	0.12	93	45,000	85	44,000	NA	NA
	Benzene	1.5	0.84	4-Methyl Phenol	2.2	4.0	PCB-1254	<0.001	<0.050	Barium	0.29	0.22						
	Chloroform	ND	0.43	Phenol	1.8	3.0	PCB-1260	<0.001	<0.050	Cadmium	<0.025	<0.025						
	2-Butanone	6.6	7.9				Pesticides	ND	ND	Chromium	2.1	<0.025						
	Carbon Disulfide	0.62	<0.25							Lead	<0.025	<0.025						
	4-Methyl 2-Pentanone	11.0	13.0							Mercury	<0.006	<0.0002						
	Toluene	1.7	1.4							Nickel	1.5	0.60						
	Trichloroethene	1.0	0.63							Thallium	<0.025	<0.025						
	Vinyl chloride	0.89	0.51															
P-1 (Aqueous Phase)	Acetone	ND	0.15	2-Methylnaphthalene	47.0	1.5	PCB-1248	0.13	<0.002	Arsenic	0.15	0.16	280	3,900	280	3,700	NA	NA
	Benzene	1.6	1.1	Naphthalene	19.0	0.81	PCB-1254	<0.05	<0.002	Barium	0.56	0.50						
	2-Butanone	2.7	0.80	4-Methylphenol	ND	0.900	PCB-1260	0.42	<0.002	Cadmium	<0.025	<0.025						
	Chloroform	ND	0.079				Pesticides	ND	ND	Chromium	<0.025	<0.025						
	Ethylbenzene	0.29	0.22							Lead	0.065	0.11						
	4-Methyl 2-Pentanone	5.5	2.4							Mercury	<0.0006	<0.0002						
	Toluene	2.2	1.2							Nickel	0.098	0.095						
	Trans-1, 2-Dichlorethane	ND	0.048							Thallium	<0.025	<0.025						
	Trichloroethene	ND	0.040															
	Vinyl chloride	ND	0.470															
P-2 (Aqueous Phase)	Acetone	1.2	NA	2-Methylnaphthalene	1.7	NA	PCB-1248	<0.0025	NA	Arsenic	0.27	NA	280	NA	250	NA	NA	NA
	Benzene	0.64	NA	4-Methyl Phenol	6.7	NA	PCB-1254	<0.013	NA	Barium	0.17	NA						
	2-Butanone	3.3	NA	Naphthalene	1.2	NA	PCB-1260	0.0025	NA	Cadmium	<0.025	NA						
	4-Methyl 2-Pentanone	3.5	NA	Phenol	7.2	NA	Pesticides	ND	NA	Chromium	0.051	NA						
	Toluene	0.97	NA							Lead	0.040	NA						
	Vinyl chloride	3.0	NA							Mercury	<0.0006	NA						
	Trichloroethane	0.40	NA							Nickel	0.32	NA						
										Thallium	<0.025	NA						
P-3 (Aqueous Phase)	Benzene	0.32	NA	2-Methylnaphthalene	3.9	NA	PCB-1248	0.052	NA	Arsenic	0.16	NA	240	NA	230	NA	NA	NA
	Ethylbenzene	0.41	NA	Naphthalene	1.6	NA	PCB-1254	<0.0025	NA	Barium	4.5	NA						
	Toluene	0.23	NA	Phenol	1.1	NA	PCB-1260	0.580	NA	Cadmium	<0.025	NA						
							Pesticides	ND	NA	Chromium	0.96	NA						
										Lead	2.1	NA						
										Mercury	0.0011	NA						
										Nickel	0.29	NA						
										Thallium	<0.025	NA						

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBS EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
P-4 (Aqueous Phase)	Acetone	1.5	NA	2-Methylnaphthalene	180	NA	PCB-1248	<0.025	NA	Arsenic	0.25	NA	300	NA	290	NA	NA	NA	NA
	Benzene	0.92	NA	Naphthalene	89	NA	PCB-1254	<0.025	NA	Barium	0.55	NA							
	2-Butanone	5.3	NA				PCB-1260	0.047	NA	Cadmium	<0.025	NA							
	Ethylbenzene	0.24	NA				Pesticides	ND	NA	Chromium	<0.025	NA							
	4-Methyl 2-Pentanone	6.2	NA							Lead	<0.025	NA							
	Toluene	1.3	NA							Mercury	<0.0006	NA							
	Vinyl chloride	0.84	NA							Nickel	0.11	NA							
										Thallium	<0.025	NA							
VW-9 (Aqueous Phase)	Acetone	ND	1.6	2-Methylnaphthalene	62	38.0	PCB-1248	0.250	<0.100	Arsenic	0.17	0.13	500	350	430	340	NA	NA	NA
	Benzene	1.7	0.75	Naphthalene	32	<20	PCB-1254	<0.050	<0.100	Barium	0.97	0.39							
	2-Butanone	12.0	8.0				PCB-1260	0.510	<0.100	Cadmium	0.050	<0.025							
	Chloroform	ND	0.40							Chromium	0.074	<0.025							
	Ethylbenzene	2.4	<0.100							Lead	0.72	<0.025							
	4-Methyl 2 Pentanone	4.2	9.1							Mercury	<0.003	<0.0002							
	Toluene	4.3	0.95							Nickel	0.27	0.35							
	Vinyl chloride	0.50	0.42							Thallium	<0.050	<0.025							
P-1 (Free Product)	Benzene	220	110	2-Methylnaphthalene	2,000	2,300	PCB-1248	<5.0	<0.020	Arsenic	<2.0	<2.0	NA	NA	NA	NA	C8 – C13	30.2	28.1
	Ethylbenzene	500	300	Naphthalene	810	<850	PCB-1254	<5.0	<0.020	Barium	1.5	2.3					C14 – C19	33.9	33.4
	Toluene	1,400	760				PCB-1260	14	<0.020	Cadmium	<0.50	<0.50					C20 – C27	21.9	24.6
	Tetrachloroethene	ND	110				Pesticides	ND	ND	Chromium	<1.0	<1.0					C28 – C40	14.0	13.5
	Trichloroethene	ND	70							Lead	<2.0	2.2							
										Mercury	<0.020	<0.020							
										Nickel	2.5	1.7							
										Thallium	<10	<10							
P-2 (Free Product)	Toluene	370	NA	2-Methylnaphthalene	1,700	NA	PCB-1248	<5.0	NA	Arsenic	NA	NA	NA	NA	NA	NA	C8 – C13	37	NA
							PCB-1254	<5.0	NA	Barium	NA	NA					C14 – C19	32.7	NA
							PCB-1260	7.4	NA	Cadmium	NA	NA					C20 – C27	20	NA
							Pesticides	ND	NA	Chromium	NA	NA					C28 – C40	10	NA
										Lead	NA	NA							
										Mercury	NA	NA							
										Nickel	NA	NA							
										Thallium	NA	NA							

94-256/Rpt/InROF/Tbls&Figs (10/29/98/im)

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBS EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
P-3 (Free Product)	Benzene	<200	NA	2-Methylnaphthalene	2,100	NA	PCB-1248	<100[5]	NA	Arsenic	NA	NA	NA	NA	NA	NA	C8 – C13	24.5	NA
	Ethylbenzene	<200	NA	Anthracene	500	NA	PCB-1254	<100	NA	Barium	NA	NA					C14 – C19	36	NA
	Toluene	<200	NA	Phenanthrene	610	NA	PCB-1260	<100[6]	NA	Cadmium	NA	NA					C20 – C27	26	NA
							Pesticides	<10	NA	Chromium	NA	NA					C28 – C40	13.5	NA
										Lead	NA	NA							
										Mercury	NA	NA							
										Nickel	NA	NA							
										Thallium	NA	NA							
P-4 (Free Product)	Ethylbenzene	460	NA	2-Methylnaphthalene	1,700	NA	PCB-1248	<5.0	NA	Arsenic	<2.0	NA	NA	NA	NA	NA	C8 – C13	37.9	NA
	Toluene	890	NA	Naphthalene	840	NA	PCB-1254	<5.0	NA	Barium	<1.0	NA					C14 – C19	32.2	NA
							PCB-1260	<5.0	NA	Cadmium	<0.5	NA					C20 – C27	20.1	NA
							Pesticides	ND	NA	Chromium	<1.0	NA					C28 – C40	10.2	NA
										Lead	<2.0	NA							
										Mercury	<0.02	NA							
										Nickel	1.4	NA							
										Thallium	<10	NA							
VW-9 (Free Product)	Benzene	ND	90	Naphthalene	930	860	PCB-1254	<2.5	<0.200	Arsenic	<2.0	<2.0							
	Ethylbenzene	ND	200				PCB-1260	0.580	<0.200	Barium	2.0	2.9							
	Tetrachloroethene	ND	14	2-Methylnaphthalene	1,800	2,200	PCB-1248	0.052	<0.200	Cadmium	<0.50	<0.50							
	Toluene	220	390							Chromium	<1.0	4.0							
	Trichloroethene	ND	18							Lead	<2.0	3.2							
										Mercury	<0.020	<0.020							
										Nickel	1.8	4.4							
										Thallium	<10	<10							

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

ADDITIONAL WELLS IN RESERVOIR (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBs EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
PB-2 (Aqueous Phase)	Benzene	NA	0.24	2-Methylphenol	NA	9.4	PCB-1248	NA	<0.10	Arsenic	NA	0.048	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	NA	0.064	Naphthalene	NA	5.1	PCB-1254	NA	<0.10	Barium	NA	0.83							
	Ethylbenzene	NA	0.230				PCB-1260	NA	<0.10	Cadmium	NA	<0.050							
	Toluene	NA	0.110							Chromium	NA	0.033							
										Lead	NA	0.20							
										Mercury	NA	<0.0002							
										Nickel	NA	0.065							
										Thallium	NA	<0.025							
PB-4 (Aqueous Phase)	Benzene	NA	0.079				PCB-1248	NA	<1.0	Arsenic	NA	0.030	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	NA	0.0023				PCB-1254	NA	<1.0	Barium	NA	0.080							
	Vinyl Chloride	NA	0.045				PCB-1260	NA	<1.0	Cadmium	NA	<0.025							
										Chromium	NA	<0.025							
										Lead	NA	0.039							
										Mercury	NA	<0.0002							
										Nickel	NA	<0.050							
										Thallium	NA	<0.025							
PB-6 (Aqueous Phase)	Benzene	NA	0.017				PCB-1248	NA	<0.100	Arsenic	NA	0.077	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	NA	0.0097				PCB-1254	NA	<0.100	Barium	NA	0.15							
	trans-1,2-Dichloroethene	NA	0.0021				PCB-1260	NA	<0.100	Cadmium	NA	<0.025							
	Toluene	NA	0.0025							Chromium	NA	<0.025							
	Vinyl Chloride	NA	0.035							Lead	NA	<0.025							
										Mercury	NA	<0.0002							
										Nickel	NA	<0.050							
										Thallium	NA	<0.025							
PB-2 (Free Product)	Benzene	NA	19	2-Methylnaphthalene	NA	1,300	PCB-1248	NA	<0.20	Arsenic	NA	<2.0	NA	NA	NA	NA	C8 – C13	NA	25.9
	Ethylbenzene	NA	130				PCB-1254	NA	<0.20	Barium	NA	<1.0							
	Toluene	NA	63				PCB-1260	NA	<0.20	Cadmium	NA	<0.50					C14 – C19	NA	28.4
										Chromium	NA	<1.0							
										Lead	NA	<2.0					C20 – C27	NA	26.8
										Mercury	NA	<0.020							
										Nickel	NA	<1.0					C28 – C40	NA	18.6
										Thallium	NA	<10							

94-256/Rpt/InROF/Tbls&Figs (10/29/30/m)

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	8/14/98[3]	8/14/98[3]	Carbon Range	%
EX-4 (aqueous phase)	Acetone	<0.025	2-Methyl Phenol	0.13	PCB-1248	<0.001	Arsenic	0.055	84	74	NA	NA
	Benzene	0.56	4-Methyl Phenol	0.33	PCB-1254	<0.001	Barium	<0.050				
	Chloroform	<0.005	Phenol	0.29	PCB-1260	<0.001	Cadmium	<0.025				
	2-Butanone	0.096	2-Methylnaphthalene	0.11	Pesticides	ND	Chromium	<0.025				
	Carbon Disulfide	<0.013	Naphthalene	0.22			Lead	<0.025				
	4-Methyl 2-Pentanone	0.11					Mercury	<0.0006				
	Toluene	0.44					Nickel	<0.050				
	Trichloroethene	0.0059					Thallium	0.048				
	Vinyl Chloride	0.24										
NSP-1 (aqueous phase)	Acetone	0.27	2-Methylnaphthalene	0.46	PCB-1248	<0.0012	Arsenic	0.098	200	130	NA	NA
	Benzene	0.44	Naphthalene	0.45	PCB-1254	<0.0012	Barium	1.0				
	2-Butanone	<0.05	Phenanthrene	0.12	PCB-1260	<0.0012	Cadmium	<0.025				
	Chloroform	<0.01	Pyrene	0.059	Pesticides	ND	Chromium	0.73				
	Ethylbenzene	0.14					Lead	1.3				
	4-Methyl 2-Pentanone	0.047					Mercury	<0.0006				
	Toluene	0.23					Nickel	<0.050				
	Trichloroethene	<0.01					Thallium	<0.025				
	Vinyl Chloride	0.054										
NSP-2 (aqueous phase)	Acetone	<0.025	2-Methylnaphthalene	0.055	PCB-1248	<0.001	Arsenic	<0.025	36	32	NA	NA
	Benzene	0.14	4-Methyl Phenol	0.029	PCB-1254	<0.001	Barium	0.10				
	2-Butanone	<0.025	Naphthalene	0.080	PCB-1260	<0.001	Cadmium	<0.025				
	Ethylbenzene	0.021	Phenol	0.037	Pesticides	ND	Chromium	<0.025				
	4-Methyl 2-Pentanone	0.084					Lead	0.029				
	Toluene	<0.013					Mercury	<0.0006				
	Trichloroethene	<0.005					Nickel	<0.050				
	Vinyl Chloride	0.045					Thallium	<0.025				
NSP-3 (aqueous phase)	Acetone	0.75	2-Methylnaphthalene	0.3	PCB-1248	0.012	Arsenic	0.033	190	150	NA	NA
	Benzene	0.46	4-Methyl Phenol	0.37	PCB-1254	<0.002	Barium	0.53				
	2-Butanone	0.28	Naphthalene	0.17	PCB-1260	<0.005	Cadmium	<0.025				
	trans-1,2-Dichloroethene	0.0061	Phenanthrene	0.055	Pesticides	ND	Chromium	<0.033				
	Ethylbenzene	0.097	Phenol	0.46			Lead	0.23				
	4-Methyl 2-Pentanone	0.16					Mercury	<0.0006				
	Tetrachloroethene	0.0067					Nickel	<0.050				
	Trichloroethene	0.019					Thallium	<0.025				
	Vinyl Chloride	0.42										
	Toluene	0.54										

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Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	8/14/98[3]	8/14/98[3]	Carbon Range	%
NDP-1 (aqueous phase)	Acetone	0.19	2-Methylnaphthalene	0.09	PCB-1248	<0.001	Arsenic	<0.025	61	49	NA	NA
	Benzene	0.45	4-Methyl Phenol	0.068	PCB-1254	<0.001	Barium	0.061				
	Chloroform	<0.005	Naphthalene	0.23	PCB-1260	<0.001	Cadmium	<0.025				
	2-Butanone	0.033	Phenol	0.095	Pesticides	ND	Chromium	<0.025				
	Carbon Disulfide	<0.013					Lead	<0.025				
	Ethylbenzene	0.083					Mercury	<0.0006				
	4-Methyl 2-Pentanone	0.061					Nickel	<0.050				
	Toluene	0.16					Thallium	<0.025				
	Trichloroethene	<0.005										
	Vinyl Chloride	0.049										
NDP-2 (aqueous phase)	Acetone	0.66	2-Methylnaphthalene	0.11	PCB-1248	<0.001	Arsenic	0.12	85	70	NA	NA
	Benzene	0.64	4-Methyl Phenol	0.27	PCB-1254	<0.001	Barium	<0.05				
	2-Butanone	0.063	Naphthalene	0.28	PCB-1260	<0.001	Cadmium	<0.025				
	Chloroform	<0.005	Phenol	0.70	Pesticides	ND	Chromium	<0.025				
	Ethylbenzene	0.13					Lead	<0.025				
	4-Methyl 2-Pentanone	0.099					Mercury	<0.0006				
	Toluene	0.44					Nickel	<0.05				
	Trichloroethene	<0.005					Thallium	<0.025				
	Vinyl Chloride	0.16										
NDP-3 (aqueous phase)	Acetone	0.31	2-Methylnaphthalene	0.38	PCB-1248	0.68	Arsenic	<0.025	3,100	2,800	NA	NA
	Benzene	0.48	2-Methyl Phenol	0.05	PCB-1254	<0.13	Barium	0.089				
	2-Butanone	0.14	4-Methyl Phenol	0.40	PCB-1260	2.1	Cadmium	<0.025				
	4-Methyl 2-Pentanone	0.14	Naphthalene	0.22	Pesticides	ND	Chromium	<0.025				
	Toluene	0.49	Phenanthrene	0.07			Lead	0.067				
	Trichloroethene	0.44	Phenol	0.29			Mercury	<0.0006				
	Vinyl Chloride	0.008					Nickel	<0.05				
	trans-1,2-Dichloroethene	0.0078					Thallium	<0.025				
NDP-3 (free product)	Benzene	<100	2-Methylnaphthalene	110	PCB-1248	0.084	Arsenic	2.2			C8 - C13	20
	Ethylbenzene	180	Naphthalene	310	PCB-1254	<0.05	Barium	99			C14 - C19	28.7
	Toluene	360	Phenanthrene	76	PCB-1260	0.29	Cadmium	<0.5.			C20 - C27	25.4
					Pesticides	ND	Chromium	23			C28 - C40	25.7
							Lead	49				
							Mercury	<0.020				
							Nickel	14				
							Thallium	<10				

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Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA[1]
EX-4 AND EX-6 PREPUMP TEST
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
EX-6 (aqueous phase)	Acetone	0.74	Anthracene	0.67	PCB-1248	0.31	Arsenic	0.0076	1,900	1,800	NA	NA
	Benzene	0.69	2-Methylnaphthalene	2.1	PCB-1254	<0.05	Barium	0.034				
	2-Butanone	2.4	2-Methyl Phenol	0.67	PCB-1260	0.33	Cadmium	<0.005				
	Ethylbenzene	0.36	4-Methyl Phenol	6.6	Pesticides	ND	Chromium	<0.005				
	4-Methyl 2-Pentanone	2.0	Naphthalene	0.7			Lead	<0.005				
	Tetrachloroethene	0.21	Phenanthrene	0.58			Mercury	<0.0002				
	Toluene	0.47	Phenol	3.8			Nickel	0.029				
	Trichloroethene	0.16					Thallium	<0.005				
	Vinyl Chloride	0.59										
SDP-3 (aqueous phase)	Benzene	1.1	2-Methylnaphthalene	1.6	PCB-1248	<0.0091	Arsenic	NA	2,400	2,300	NA	NA
	2-Butanone	<0.05	2-Methyl Phenol	2.0	PCB-1254	<0.001	Barium	NA				
	Ethylbenzene	0.22	4-Methylphenol	3.5	PCB-1260	0.0016	Cadmium	NA				
	4-Methyl 2-Pentanone	0.15	Naphthalene	1.0	Pesticides	ND	Chromium	NA				
	Toluene	1.1	Phenol	2.9			Lead	NA				
	Trichloroethene	<0.01					Mercury	NA				
	Vinyl Chloride	0.036					Nickel	NA				
							Thallium	NA				
SDP-2 (aqueous phase)	Benzene	0.21	2-Methylnaphthalene	0.34	PCB-1248	0.031	Arsenic	0.0069	1,200	1,100	NA	NA
	2-Butanone	0.11			PCB-1254	<0.005	Barium	0.074				
	Ethylbenzene	0.063			PCB-1260	0.035	Cadmium	<0.005				
	4-Methyl 2-Pentanone	0.062			Pesticides	ND	Chromium	<0.005				
	Toluene	0.36					Lead	<0.005				
	Vinyl Chloride	0.12					Mercury	<0.0002				
	Trichloroethene	0.05					Nickel	<0.010				
	Tetrachloroethene	0.018					Thallium	0.0057				
SSP-1 (aqueous phase)	Acetone	0.4	2-Methylnaphthalene	0.74	PCB-1248	0.032	Arsenic	<0.005	400	380	NA	NA
	Benzene	0.44	Naphthalene	0.32	PCB-1254	<0.01	Barium	0.13				
	Ethylbenzene	0.049			PCB-1260	0.082	Cadmium	<0.005				
	4-Methyl 2-Pentanone	<0.013			Pesticides	ND	Chromium	0.0057				
	Toluene	0.22					Lead	0.018				
	Trichloroethene	<0.005					Mercury	<0.0002				
	Vinyl Chloride	0.071					Nickel	<0.01				
							Thallium	<0.005				

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Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
SSP-2 (aqueous phase)	Acetone	0.20	2-Methylnaphthalene	0.94	PCB-1248	0.047	Arsenic	0.011	140	130	NA	NA
	Benzene	0.21			PCB-1254	<0.02	Barium	0.031				
	Ethylbenzene	0.23			PCB-1260	0.042	Cadmium	<0.005				
	4-Methyl 2-Pentanone	<0.013			Pesticides	ND	Chromium	0.016				
	Toluene	0.0084					Lead	0.027				
	Trichloroethene	<0.005					Mercury	<0.002				
	Vinyl Chloride	0.039					Nickel	<0.01				
							Thallium	<0.005				
SSP-3 (aqueous phase)	Acetone	0.8	4-Methyl Phenol	0.086	PCB-1248	<0.001	Arsenic	<0.005	19	17	NA	NA
	Benzene	0.33	Phenol	0.15	PCB-1254	<0.001	Barium	0.26				
	2-Butanone	0.42			PCB-1260	<0.001	Cadmium	<0.005				
	Ethylbenzene	0.051			Pesticides	ND	Chromium	0.0096				
	Tetrachloroethene	0.0063					Lead	0.013				
	4-Methyl 2-Pentanone	0.23					Mercury	<0.0002				
	Toluene	0.45					Nickel	<0.01				
	Vinyl Chloride	0.23					Thallium	<0.005				
	Trichloroethane	0.033										
EX-6 (free product)	Benzene	<100	2-Methylnaphthalene	1,600	PCB-1248	170	Arsenic	2.9	NA	NA	C8 - C13	24.7
	Ethylbenzene	590			PCB-1254	<130	Barium	39			C14 - C19	38.9
	Toluene	140			PCB-1260	170	Cadmium	<0.5			C20 - C27	26.0
					Pesticides	ND	Chromium	56			C28 - C40	10.0
							Lead	12				
							Mercury	<0.02				
							Nickel	23				
							Thallium	<10				
SDP-3 (free product)	Benzene	240	2-Methylnaphthalene	1,600	PCB-1248	<5.0	Arsenic	<2.0	NA	NA	C8 - C13	34.8
	Ethylbenzene	<100	Naphthalene	860	PCB-1254	<5.0	Barium	28			C14 - C19	34.0
	Toluene	1,400			PCB-1260	5.6	Cadmium	<0.5			C20 - C27	23.0
					Pesticides	ND	Chromium	<1.0			C28 - C40	8.83
							Lead	<2.0				
							Mercury	<0.02				
							Nickel	15				
							Thallium	<10				

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports.
Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
SDP-I (free product)	Benzene	130	2-Methylnaphthalene	910	PCB-1248	100	Arsenic	<2.0	NA	NA	C8 - C13	25.5
	Ethylbenzene	<100			PCB-1254	<100	Barium	18			C14 - C19	26.6
	Tetrachloroethene	200			PCB-1260	350	Cadmium	<0.5			C20 - C27	26.8
	Toluene	1,800			Pesticides	ND	Chromium	18			C28 - C40	11.11
							Lead	10				
							Mercury	<0.02				
							Nickel	14				
							Thallium	<10				

94-256/Rpt/IntROF/Tbls&Fig (11/2/98/ks)

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports.
Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 4

ADDITIONAL CHEMICAL DATA FOR EX-2, -4 and -6 PUMP TESTS
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO.	MICROBIOLOGICAL TESTING						CHEMICAL ANALYSES			
	Anaerobic Bacterial (MPN/L)		Plate Count (CFU/ML)		Species		BTU Value/lb.		Sulfur Content (%)	
	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)
WDI-EX-2 (aqueous phase)	15	430	10	10	Alcaligenes/ Pseudomonas	Alcaligenes/ Pseudomonas	<175	NA	0.049	0.036
WDI-P-1 (aqueous phase)	930,000	930,000	650,000	55,000	Pseudomonas	Alcaligenes/ Pseudomonas	344	NA	0.269	0.750
WDI-P-2 (aqueous phase)	23	NA	60	NA	Alcaligenes/ Pseudomonas	NA	310	NA	0.726	NA
WDI-P-3 (aqueous phase)	430,000	NA	130,000	NA	Pseudomonas	NA	15,980	NA	0.796	NA
WDI-P-4 (aqueous phase)	7,500	NA	23,000	NA	Aeromonas	NA	613	NA	0.655	NA
WDI-VW-9 (aqueous phase)	93,000	75,000	90,000	9,500	Alcaligenes/ Pseudomonas	Alcaligenes/ Pseudomonas	1,160	NA	0.755	0.690
WDI-P-1 (free product)	NA	NA	NA	NA	NA	NA	6,674	9,957	0.836	0.779
WDI-P-2 (free product)	NA	NA	NA	NA	NA	NA	8,750	NA	0.667	NA
WDI-P-3 (free product)	NA	NA	NA	NA	NA	NA	19,166	NA	0.868	NA
WDI-P-4 (free product)	NA	NA	NA	NA	NA	NA	18,921	NA	0.723	NA
WDI-VW-9 (free product)	NA	93,000	NA	80,000	NA	Alcaligenes/ Pseudomonas	18,282	4,186	0.865	0.577

(1) Prepump Test Analytical Data.
(2) Postpump Test Analytical Data. Wells that indicated influence from EX-2 pumping.
NA = Not analyzed

TRC

TABLE 4

ADDITIONAL CHEMICAL DATA FOR EX-2, -4 and -6 PUMP TESTS
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO.	MICROBIOLOGICAL TESTING			CHEMICAL ANALYSES	
	Anaerobic Bacterial (MPN/L)	Plate Count (CFU/ML)	Species	BTU Value/lb.	Sulfur Content (%)
	8/14/98(1)	8/14/98(1)	8/14/98(1)	8/14/98(1)	8/14/98(1)
WDI-EX-4 (aqueous phase)	75	40	Pseudomonas/ Alcaligenes or putida	NA	NA
WDI-NSP-1 (aqueous phase)	930,000	80,000	Pseudomonas Spp (nol aeruginosa)	NA	NA
WDI-NSP-2 (aqueous phase)	930,000	60,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NSP-3 (aqueous phase)	930,000	210,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NDP-1 (aqueous phase)	930,000	45,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NDP-2 (aqueous phase)	1,500	1,300	Pseudomonas Spp (nol aeruginosa)	NA	NA
WDI-NDP-3 (aqueous phase)	2,400,000	2,900,000	Aeromonas hydrophila	NA	NA
WDI-NDP-3 (free product)	NA	NA	NA	18,928	0.870

94-256 RPTS/InterimROF (10/30/98/mc)

(1) Prepump Test Analytical Data.
NA = Not analyzed

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
A-4(S)	10/1/98	ND	4.98	ND	3.90		
	10/1/98			ND	3.58		
	10/2/98			ND	3.55	ND	+1.43
A-4 (D)	10/1/98	5.18	15.10	ND	13.85		
	10/1/98			ND	7.82		
	10/2/98			2.17	2.40	+3.01	+12.70
A-5	10/1/98	ND	5.30	ND	15.76		
	10/1/98			ND	8.86		
	10/2/98			ND	5.33	ND	-0.03
A-6	10/1/98	5.23	5.90	5.54	6.57		
	10/1/98			NM	5.32		
	10/2/98			5.14	NM	+0.09	+0.58
B-4	10/1/98	ND	4.42	ND	10.95		
	10/1/98			ND	9.48		
	10/2/98			4.94	ND	+4.94	-4.42
B-5	10/1/98	4.10	4.85	4.7	NM		
	10/2/98			ND	4.12	-4.10	+0.73
B-6	10/1/98	4.38	4.64	13.56	14.45		
	10/1/98			5.40	6.18		
	10/2/98			3.96	NM	+0.42	-1.54
B-7	10/1/98	3.87	4.18	7.80	8.02		
	10/1/98			NM	6.49		
	10/2/98			4.45	NM	-0.58	-2.31
B-8	10/1/98	ND	3.40	ND	14.01		
	10/1/98			ND	13.15		
	10/2/98			ND	9.16	ND	-5.76
C-3	10/2/98	4.09	4.12	ND	11.00		
	10/2/98			ND	5.05		
	10/5/98			ND	4.30	-4.09	-0.18
C-4	10/2/98	ND	4.60	ND	4.77		
	10/2/98			ND	4.60		
	10/5/98			ND	4.60	ND	0.00
C-5	10/5/98	ND	3.90	ND	6.62		
	10/5/98			ND	4.57		
	10/6/98			ND	4.24	ND	-0.34
C-8	10/1/98	ND	3.42	ND	4.80		
	10/2/98			ND	3.75	ND	-0.33

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
C-9 (S)	10/1/98	ND	DRY	NM	NM	NM	NM
C-9 (D)	10/1/98	3.39	NM	NM	NM	NM	NM
D-3 (S)	10/2/98	ND	3.55	ND	5.47		
	10/2/98			ND	4.94		
	10/5/98			ND	3.60	ND	-0.05
D-3 (D)	10/2/98	3.45	3.51	ND	3.57		
	10/2/98			ND	3.53		
	10/5/98			3.58	3.60	-0.13	-0.09
D-4	10/2/98	4.15	4.25	ND	14.70		
	10/2/98			ND	8.79		
	10/5/98			4.13	4.15	+0.02	+0.10
D-5	10/2/98	5.02	5.07	ND	6.02		
	10/2/98			ND	5.10		
	10/5/98			ND	5.12	-5.02	-0.05
D-6 (S)	10/2/98	ND	5.00	ND	5.35		
	10/2/98			ND	5.09		
	10/5/98			ND	4.90	ND	+0.10
D-6 (D)	10/2/98	4.67	5.58	NM	12.02		
	10/2/98			NM	5.98		
	10/5/98			ND	4.98	-4.67	+0.60
D-7	10/1/98	3.15	4.40	NM	13.65		
	10/2/98			3.08	NM	+0.07	-9.25
D-8	10/1/98	ND	4.12	ND	17.95		
	10/2/98			ND	5.81	ND	-1.69
D-9	10/1/98	3.95	5.85	NM	NM		
	10/2/98			4.00	NM	-0.05	NM
E-1	10/5/98	4.00	4.50	ND	17.00		
	10/5/98			ND	13.75		
	10/6/98			ND	7.20	-4.00	-2.70
E-2	10/5/98	2.97	3.00	6.50	6.55		
	10/5/98			NM	6.00		
	10/6/98			4.80	4.89	-1.83	-1.89
E-3	10/2/98	ND	3.40	ND	17.14		
	10/2/98			ND	13.20		
	10/5/98			ND	3.80	ND	-0.40
E-4	10/2/98	2.91	3.08	ND	13.79		
	10/2/98			ND	5.10		
	10/5/98			ND	3.08	-2.91	0.00

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
E-5	10/2/98	2.40	5.15	NM	6.10		
	10/2/98			4.29	5.40		
	10/5/98			2.96	5.18	-0.56	-0.03
E-6	10/2/98	3.05	4.19	18.10	18.17		
	10/2/98			NM	6.26		
	10/5/98			3.33	3.48	-0.28	+0.68
E-7	10/1/98	2.59	6.20	NM	NM		
	10/2/98			3.08	NM	-0.49	NM
E-8	10/1/98	3.15	5.50	11.03	NM		
	10/2/98			4.21	NM	-1.06	NM
E-9	10/1/98	3.86	8.15	NM	NM		
	10/2/98			3.90	NM	-0.04	NM
F-1	10/5/98	3.05	4.55	NM	6.50		
	10/5/98			3.90	5.50		
	10/6/98			3.50	5.10	0.00	-0.55
F-2	10/5/98	3.35	10.92	NM	16.77		
	10/5/98			7.00	12.90		
	10/6/98			3.75	7.66	0.40	+3.26
F-3	10/5/98	4.00	4.22	NM	6.74		
	10/5/98			NM	5.60		
	10/6/98			4.00	4.88	0.00	-0.66
F-4	10/5/98	3.36	4.20	6.61	7.31		
	10/5/98			3.90	5.63		
	10/6/98			3.58	4.45	-0.22	-0.25
F-6	10/2/98	3.14	5.30	14.06	14.95		
	10/2/98			NM	8.95		
	10/5/98			5.00	5.13	-1.86	+0.17
F-7 (S)	10/2/98	ND	5.00	ND	DRY		
	10/2/98			ND	5.70		
	10/5/98			ND	5.65	ND	-0.65
F-7 (D)	10/2/98	1.80	10.12	3.80	NM		
	10/2/98			5.30	9.70		
	10/5/98			3.82	10.08	-2.02	+0.04
F-8	10/2/98	3.67	4.01	NM	8.46		
	10/2/98			7.70	7.76		
	10/5/98			4.10	4.30	-0.43	-0.29

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
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S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
F-9	10/2/98	2.79	6.80	6.95	NM		
	10/2/98			4.28	6.04		
	10/5/98			2.85	4.89	-0.06	+1.91
G-1	10/5/98	3.00	9.45	NM	12.85		
	10/5/98			4.15	12.35		
	10/6/98			3.10	7.45	-0.10	+2.00
G-2	10/5/98	3.65	7.77	6.75	16.00		
	10/5/98			4.29	6.56		
	10/6/98			3.92	7.34	-0.27	+0.43
G-3	10/5/98	4.10	7.95	5.60	15.00		
	10/5/98			4.36	5.85		
	10/6/98			4.05	7.55	+0.05	+0.40
G-4	10/5/98	3.65	9.70	4.00	8.38		
	10/5/98			4.10	7.88		
	10/6/98			3.78	8.50	-0.13	+1.20
G-5	10/5/98	4.60	7.00	7.12	17.30		
	10/5/98			7.70	7.85		
	10/6/98			5.00	5.85	-0.40	+1.15
G-6	10/2/98	3.10	13.56	5.98	10.75		
	10/2/98			3.30	14.88		
	10/5/98			2.84	13.86	+0.26	-0.30
G-7	10/2/98	1.40	7.30	9.25	11.00		
	10/2/98			4.65	4.74		
	10/5/98			4.10	5.16	-2.70	+2.14
G-8	10/2/98	2.34	3.84	3.75	NM		
	10/2/98			3.70	3.78		
	10/5/98			3.70	3.75	-1.36	+0.09
G-9 (S)	10/2/98	ND	3.96	ND	2.35		
	10/2/98			ND	3.18		
	10/5/98			ND	3.17	ND	+0.79
G-9 (D)	10/2/98	ND	2.95	ND	3.20		
	10/2/98			ND	2.90		
	10/5/98			ND	2.93	ND	+0.02
H-2	10/5/98	5.15	8.10	NM	11.10		
	10/5/98			5.45	6.65		
	10/6/98			5.26	6.78	-0.11	+1.32

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
H-3 (S)	10/5/98	ND	5.15	ND	5.15		
	10/5/98			ND	5.25		
	10/6/98			ND	5.26	ND	-0.11
H-3 (D)	10/5/98	5.06	5.07	5.06	5.07		
	10/5/98			5.10	5.15		
	10/6/98			5.10	5.20	-0.04	-0.13
H-4	10/5/98	3.40	9.87	13.00	17.36		
	10/5/98			6.13	9.20		
	10/6/98			4.00	9.20	-0.60	+0.67
H-5	10/5/98	4.60	5.65	6.90	10.12		
	10/5/98			4.65	4.70		
	10/6/98			4.47	5.58	+0.13	+0.07
H-6	10/2/98	4.19	5.00	NM	12.30		
	10/2/98			6.30	6.40		
	10/5/98			4.32	4.40	-0.13	+0.60
H-7	10/2/98	4.92	5.55	NM	10.50		
	10/2/98			4.98	8.50		
	10/5/98			5.00	5.15	-0.08	+0.40
H-8	10/2/98	ND	4.65	ND	14.10		
	10/2/98			ND	4.68		
	10/5/98			ND	4.65	ND	0.00
I-4	10/5/98	5.05	6.52	NM	6.70		
	10/5/98			5.15	6.35		
	10/6/98			5.17	6.60	-0.08	0.08
I-5	10/5/98	3.05	4.80	NM	7.45		
	10/5/98			3.60	7.00		
	10/6/98			3.00	6.00	+0.05	-1.20
I-6	10/2/98	3.65	4.25	NM	3.70		
	10/2/98			3.69	3.76		
	10/5/98			3.74	3.95	-0.09	+0.30
I-7	10/2/98	ND	4.12	ND	4.20		
	10/2/98			ND	4.10		
	10/5/98			ND	4.15	ND	-0.03

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

94-256/Rpts/TM#6,8,12 (11/2/98/mc)

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TABLE 6

HYDRAULIC YIELD FOR PUMP TESTS AT EX-2, -4 AND -6 WASTE DISPOSAL, INC. SUPERFUND SITE

EX-2[1]				EX-4				EX-6			
Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)	Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)	Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)
Cycle 1	3.1	97	0.05	Cycle 1	5.04	6,889.8	0.0011	Cycle 1	4.629	130	0.052
Cycle 2	4.62	112	0.06	Cycle 2	4.84	13,840	0.0005	Cycle 2	4.449	160	0.041
Cycle 3	6.6	189	0.05					Cycle 3	5.49	260	0.031
Cycle 4	7.5	236	0.05					Cycle 4	5.213	280	0.027
Cycle 5	7.13	246	0.04					Cycle 5	5.201	320	0.024
Cycle 6	6.35	244	0.04					Cycle 6	5.333	360	0.022
Cycle 7	5.8	143	0.06					Cycle 7	6.61	460	0.021
								Cycle 8	6.233	580	0.016
								Cycle 9	6.257	740	0.012
								Cycle 10	6.647	1300	0.008
Average	–	–	0.05	Average	–	–	0.0008	Average	–	–	0.0232

94-256/Reports/InterimROF (11/2/98/mc)

(1) EX-2 results from Interim TM No. 6 July 1998.

(2) Yield = Recovery/Time (ft/min) x Volume (ft/gal)

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TABLE 7

SUMMARY OF CHEMISTRY DATA TM NOS. 6 AND 8 PUMP TEST FOR EX-2 ACTIVITIES WASTE DISPOSAL, INC. SUPERFUND SITE

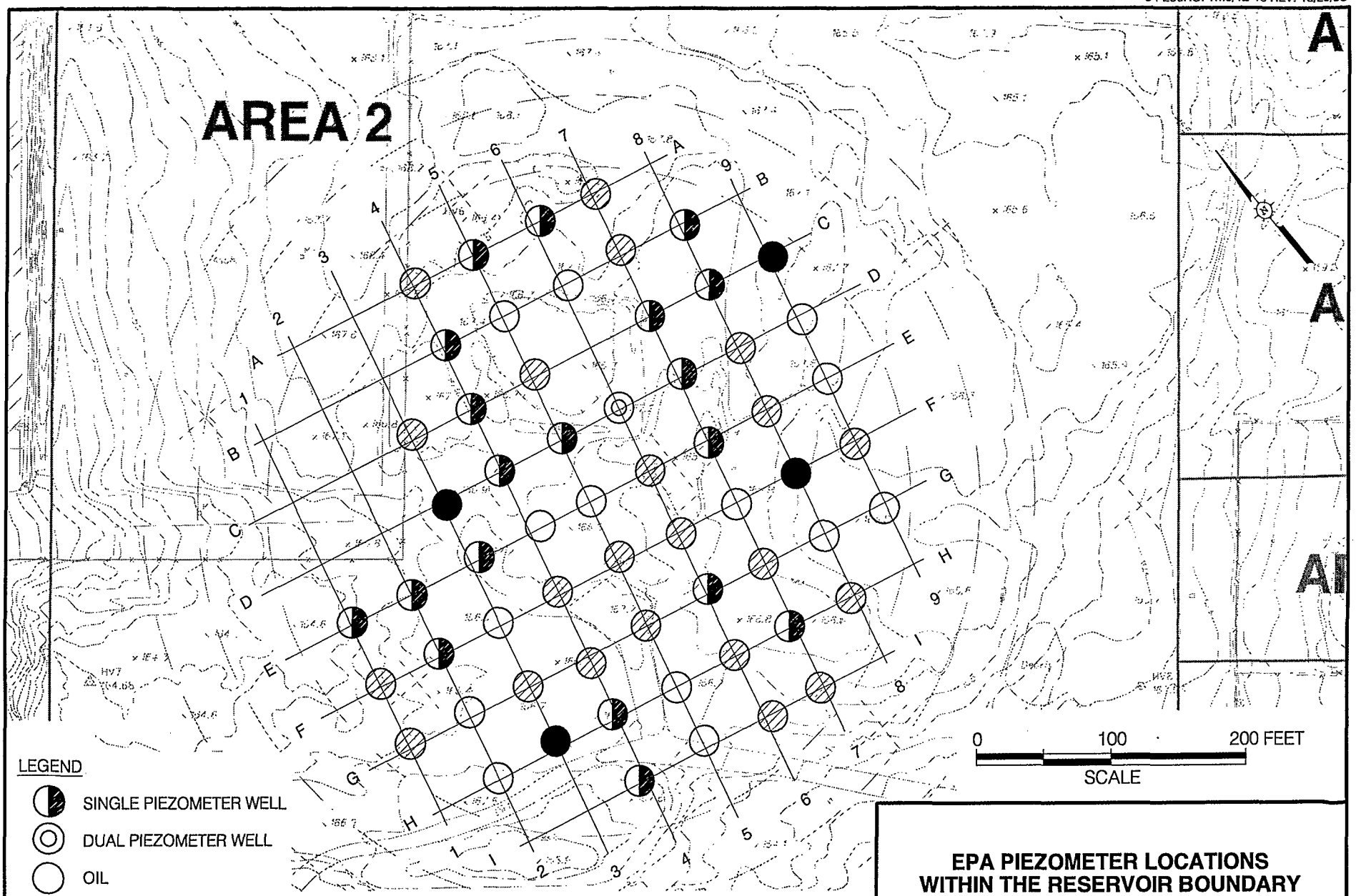
- Volatile Organics (EPA Method 8260)
  - Low levels of typical petroleum VOCs were detected including benzene, toluene and ethylbenzene.
- Semivolatile Organics (EPA Method 8270)
  - Low levels of SVOCs including naphthalene and methylnaphthalene, and methylphenols were detected.
- PCBs/Pesticides (EPA Method 8080)
  - PCB levels (PCB-1248, -1254 and –1260) ranging from 0.0025 ppm to 14 ppm were detected.
  - Pesticides were not detected in the samples.
- Metals
  - Low levels of metals including arsenic, barium, cadmium, lead, mercury, nickel and thallium were detected.
- Oil and Grease (EPA Method 413.2)
  - Levels of oil and grease ranged from 93 to 45,000 mg/L.
  - EX-2 had the highest level at 45,000 mg/L, which may have been due to suspended oil in the water phase.
- Total Petroleum Hydrocarbons (EPA Method 418.1)
  - Levels were similar to oil and grease analysis, with EX-2 having the highest TPH of 44,000 mg/L.
- Simulated Distillation
  - Hydrocarbons were primarily found to be greater than 0.14 and were observed to be typical straight chain aliphatics.
- Microbial Analyses
  - Anaerobic and aerobic plate counts indicated relatively low levels of bacteria. All results were below 1 million units/mL which is considered low.
  - Bacteria found were identified as facultative anaerobic bacteria. Strict anaerobic bacteria were not identified.
- BTU Analyses
  - BTU levels were found to be consistent with the oil and grease/TPH analyses.
  - BTU levels from the oils indicate the materials may have fuel value if disposal is required.
- Sulfur Analyses
  - Low levels of sulfur were detected at levels less than 1 percent by weight.

TABLE 8

SUMMARY OF CHEMISTRY DATA TM NO. 6 PUMP TEST ACTIVITIES FOR EX-4 AND EX-6 WASTE DISPOSAL, INC. SUPERFUND SITE

- Volatile Organics (EPA Method 8260)
  - Low levels of typical petroleum VOCs were detected including benzene, toluene, ethylbenzene, 4-methyl2-pentanone and vinyl chloride.
- Semivolatile Organics (EPA Method 8270)
  - Low levels of SVOCs including naphthalene and methylnaphthalene, methylphenols, phenanthrene, and phenol were detected.
- PCBs/Pesticides (EPA Method 8080)
  - PCB levels (PCB-1248, -1254 and –1260) ranging from 0.0016 ppm to 350 ppm were detected.
  - Pesticides were not detected in the samples.
- Metals
  - Low levels of metals including arsenic, barium, cadmium, lead, mercury, nickel and thallium were detected.
- Oil and Grease (EPA Method 413.2)
  - Levels of oil and grease ranged from 19 to 3,100 mg/L.
  - NDP-3 had the highest level at 3,100 mg/L, which may have been due to suspended oil in the water phase.
- Total Petroleum Hydrocarbons (EPA Method 418.1)
  - Levels were similar to oil and grease analysis, with NDP-3 having the highest TPH of 2,800 mg/L.
- Simulated Distillation
  - Hydrocarbons were primarily found to be greater than 0.14 and were observed to be typical straight chain aliphatics.
- Microbial Analyses
  - Anaerobic and aerobic plate counts indicated relatively low levels of bacteria. WD1-NDP-3 which had results of 2,400,000 anaerobic bacterial count and 2,900,000 plate count. All other results were below 1 million units/mL which is considered low.
  - Bacteria found were identified as facultative anaerobic bacteria. Strict anaerobic bacteria were not identified.
- BTU Analyses
  - BTU levels were found to be consistent with the oil and grease/TPH analyses.
  - BTU levels from the oils indicate the materials may have fuel value if disposal is required.
- Sulfur Analyses
  - Low levels of sulfur were detected at levels less than 1 percent by weight.

94-256ROFTM6/12-18 REV. 10/29/98



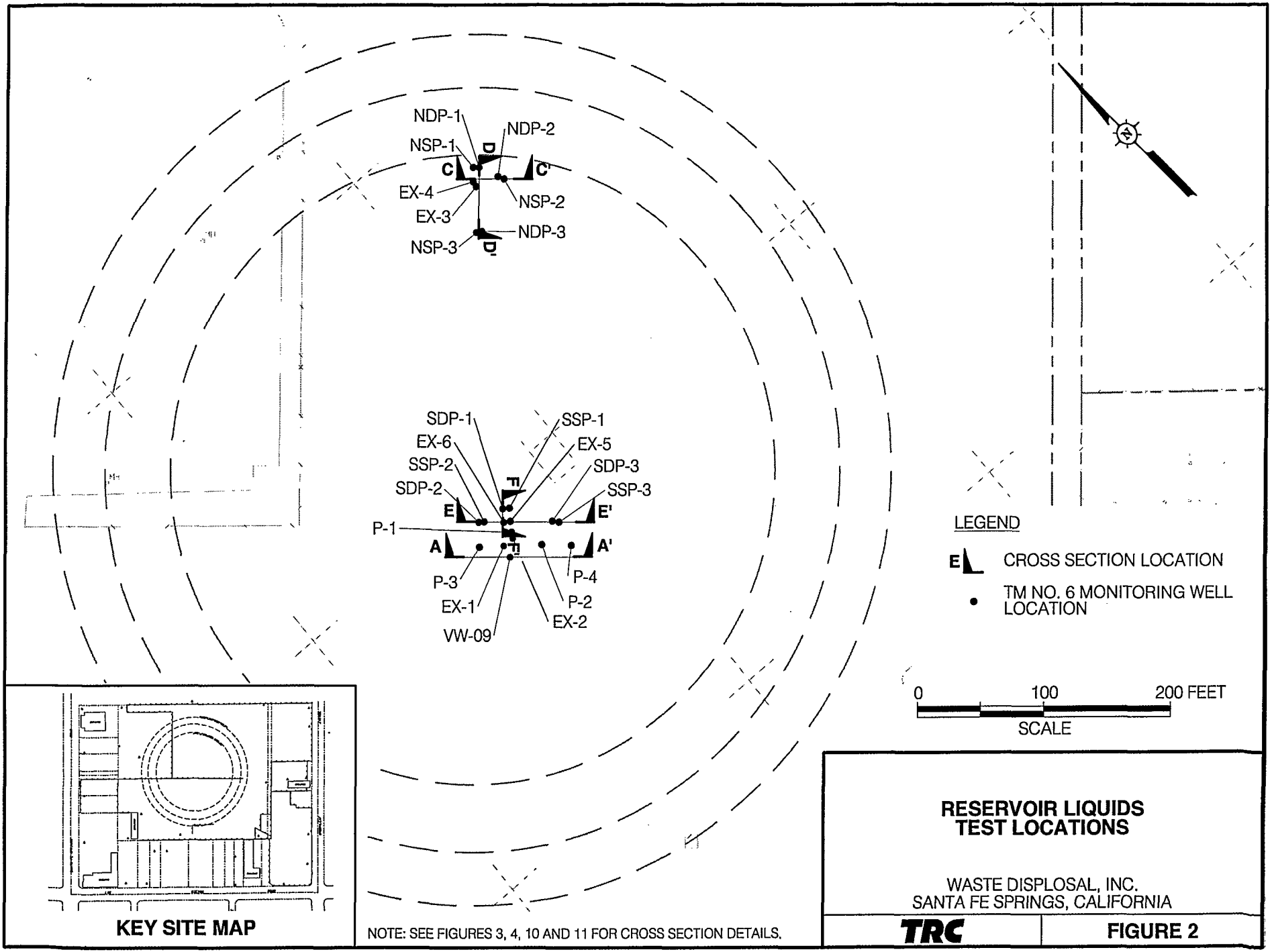
REFERENCE: CDM FEDERAL PROGRAMS CORPORATION, GEOPROBE OBSERVATIONS, DATE JULY 28, 1998

EPA PIEZOMETER LOCATIONS WITHIN THE RESERVOIR BOUNDARY

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 1



NOTE: SEE FIGURES 3, 4, 10 AND 11 FOR CROSS SECTION DETAILS.

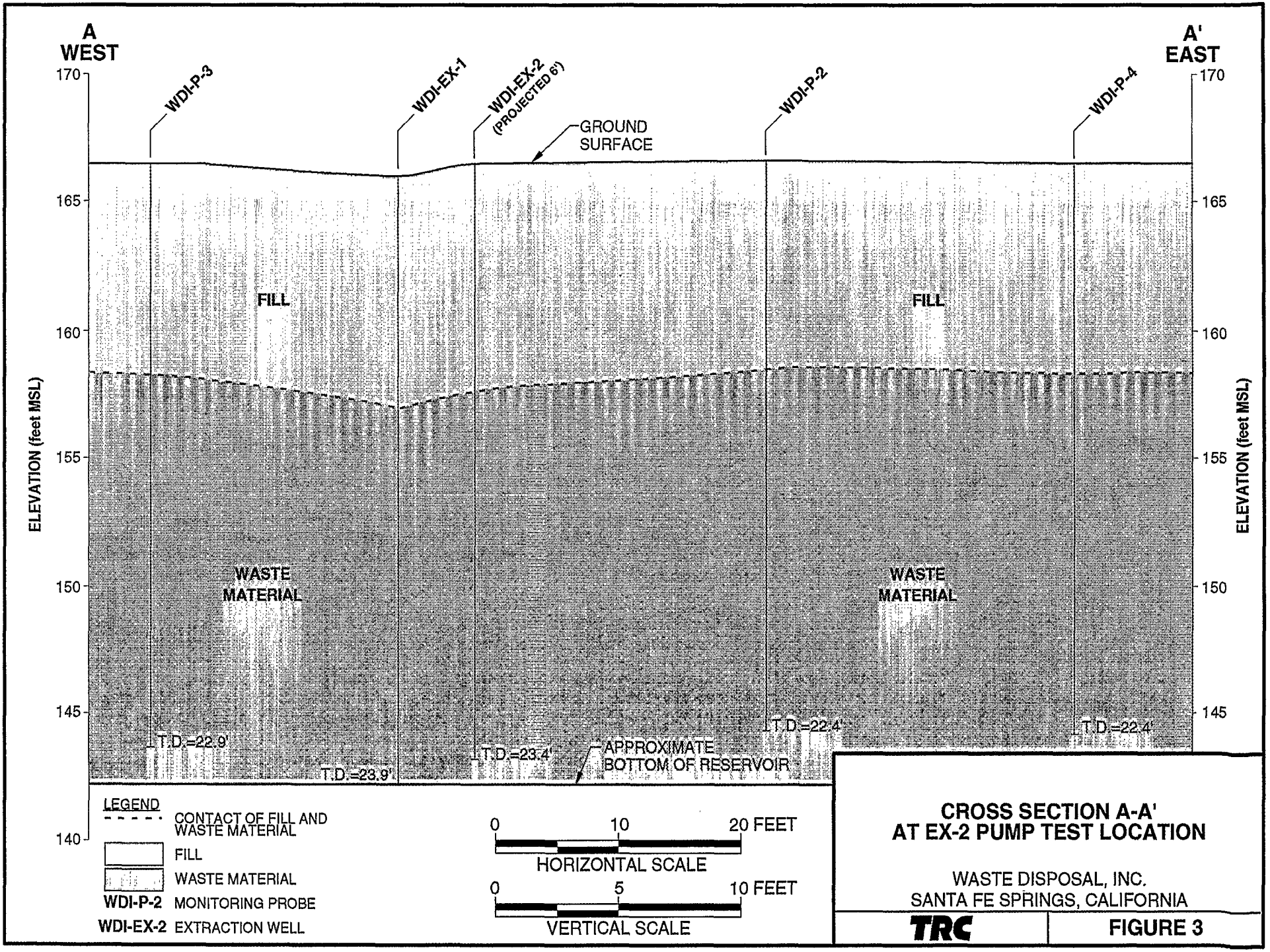
RESERVOIR LIQUIDS TEST LOCATIONS

WASTE DISPLOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2

94-256ROFTM6/12-16 REV.10/30/98

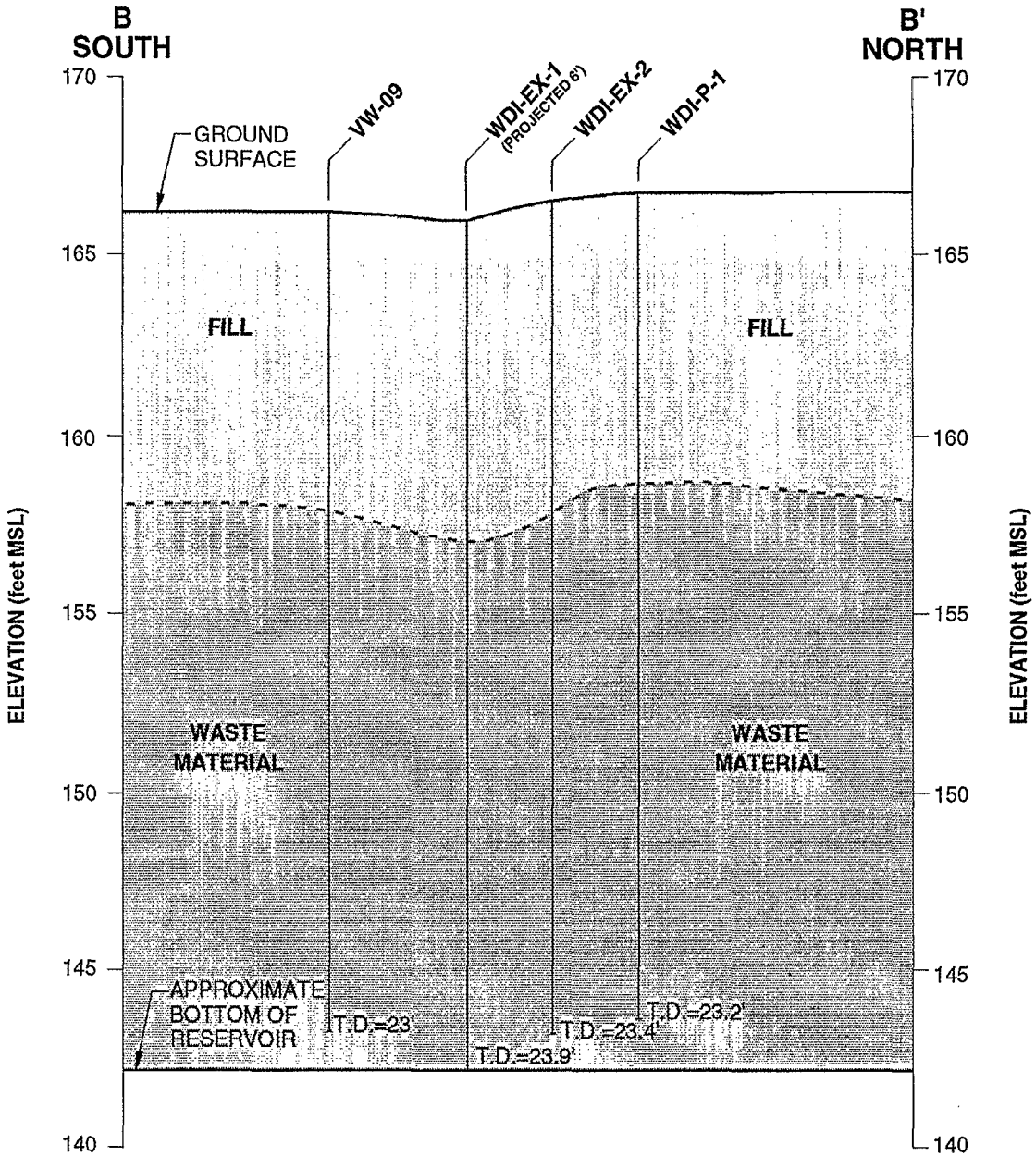


CROSS SECTION A-A'
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3



LEGEND

- - - - - CONTACT OF FILL AND WASTE MATERIAL

FILL

WASTE MATERIAL

WDI-P-1 MONITORING PROBE

WDI-EX-2 EXTRACTION WELL

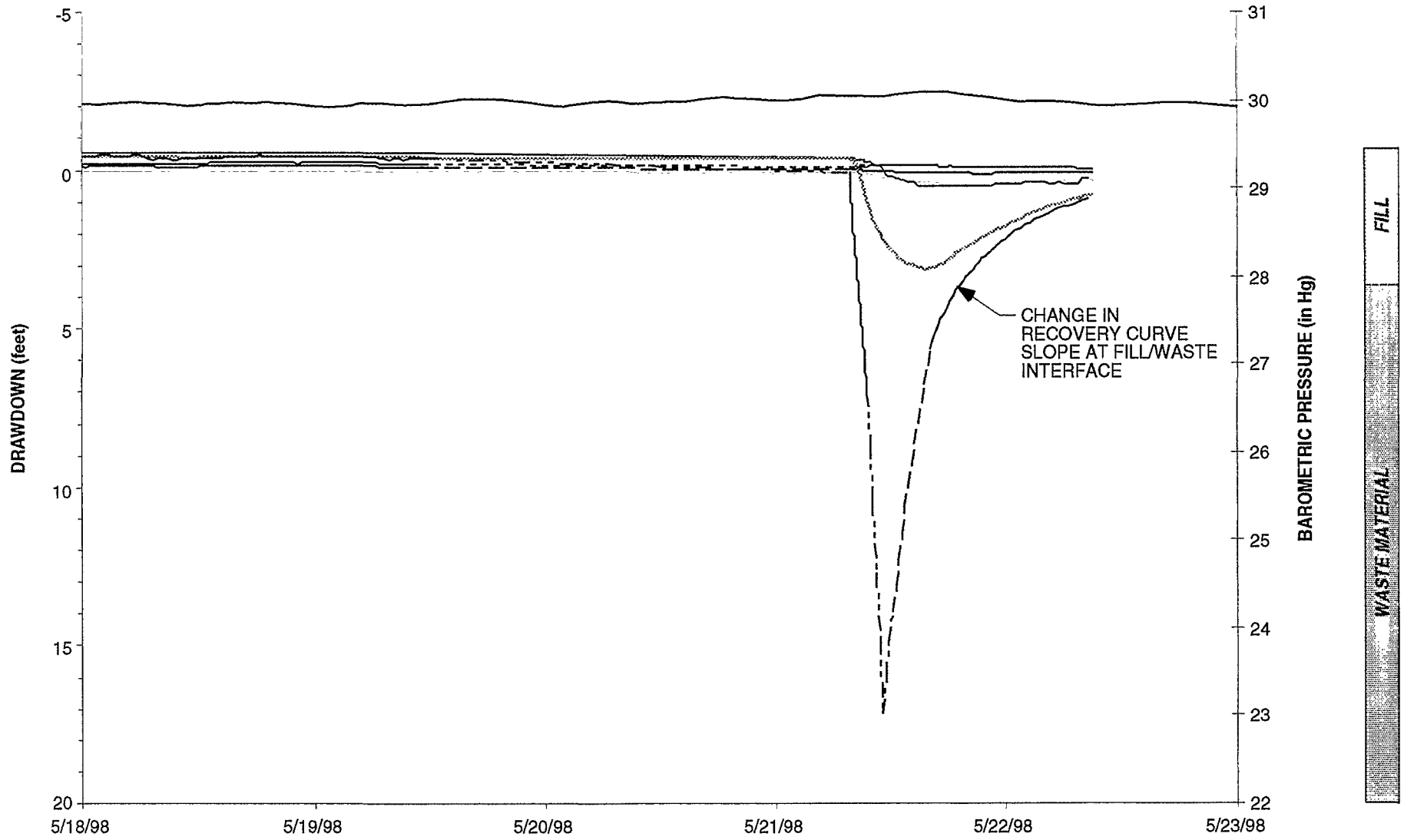
0 10 20 FEET
HORIZONTAL SCALE

0 5 10 FEET
VERTICAL SCALE

CROSS SECTION B-B'
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 4**



LEGEND

- P-1
- P-2
- P-3
- P-4
- EX-2
- VW-9
- BAROMETRIC PRESSURE

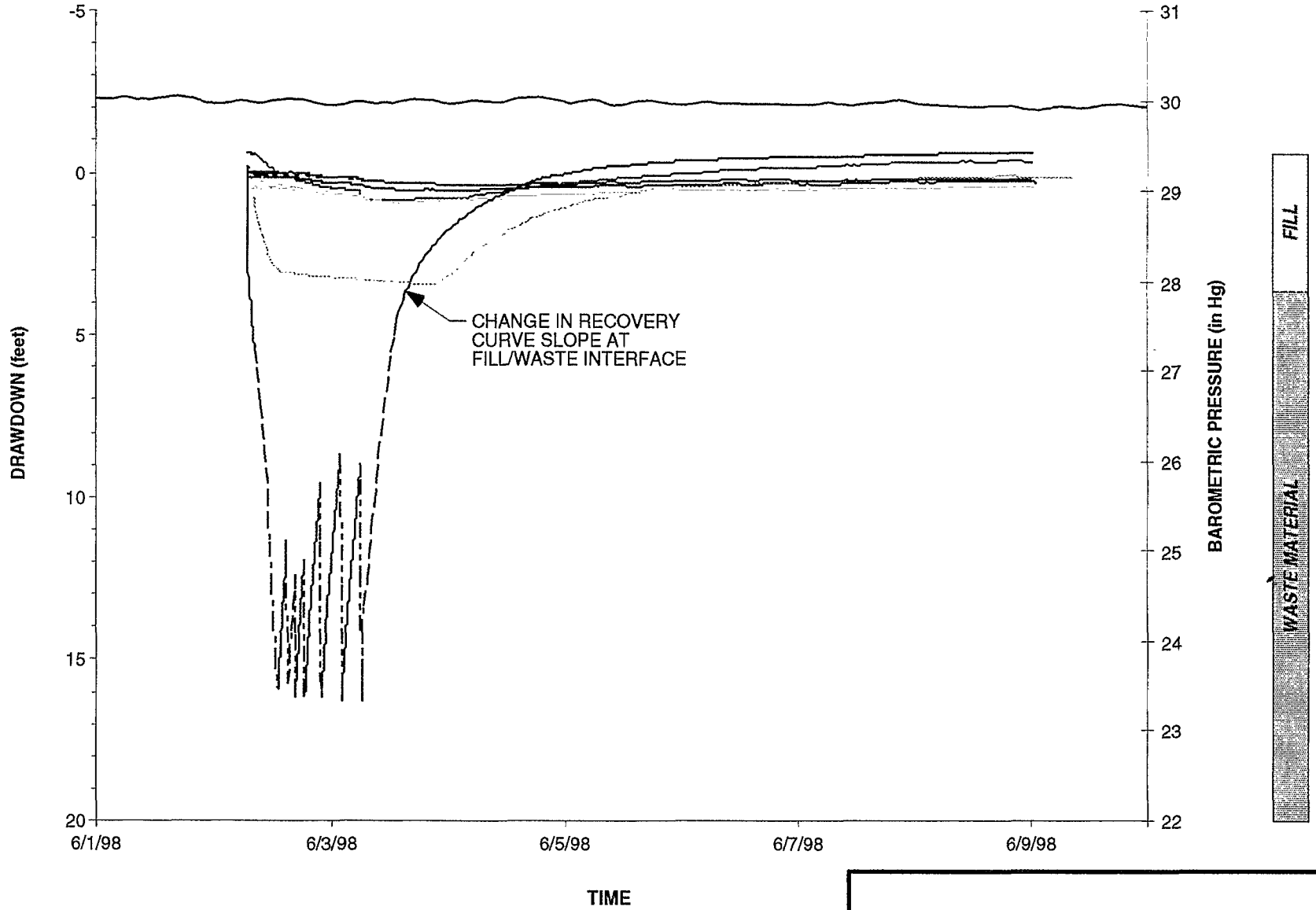
NOTE: THE RECOVERY CURVE LEVEL MONITORING WAS INADVERTENTLY CUTOFF DURING THE TEST DUE TO EQUIPMENT MALFUNCTION.

0.5 GPM TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 5



LEGEND

- P-1
- P-2
- P-3
- P-4
- EX-2
- VW-9
- BAROMETRIC PRESSURE

NOTE: THE BASELINE CURVE LEVEL MONITORING WAS INADVERTENTLY CUT OFF DUE TO EQUIPMENT MALFUNCTION.

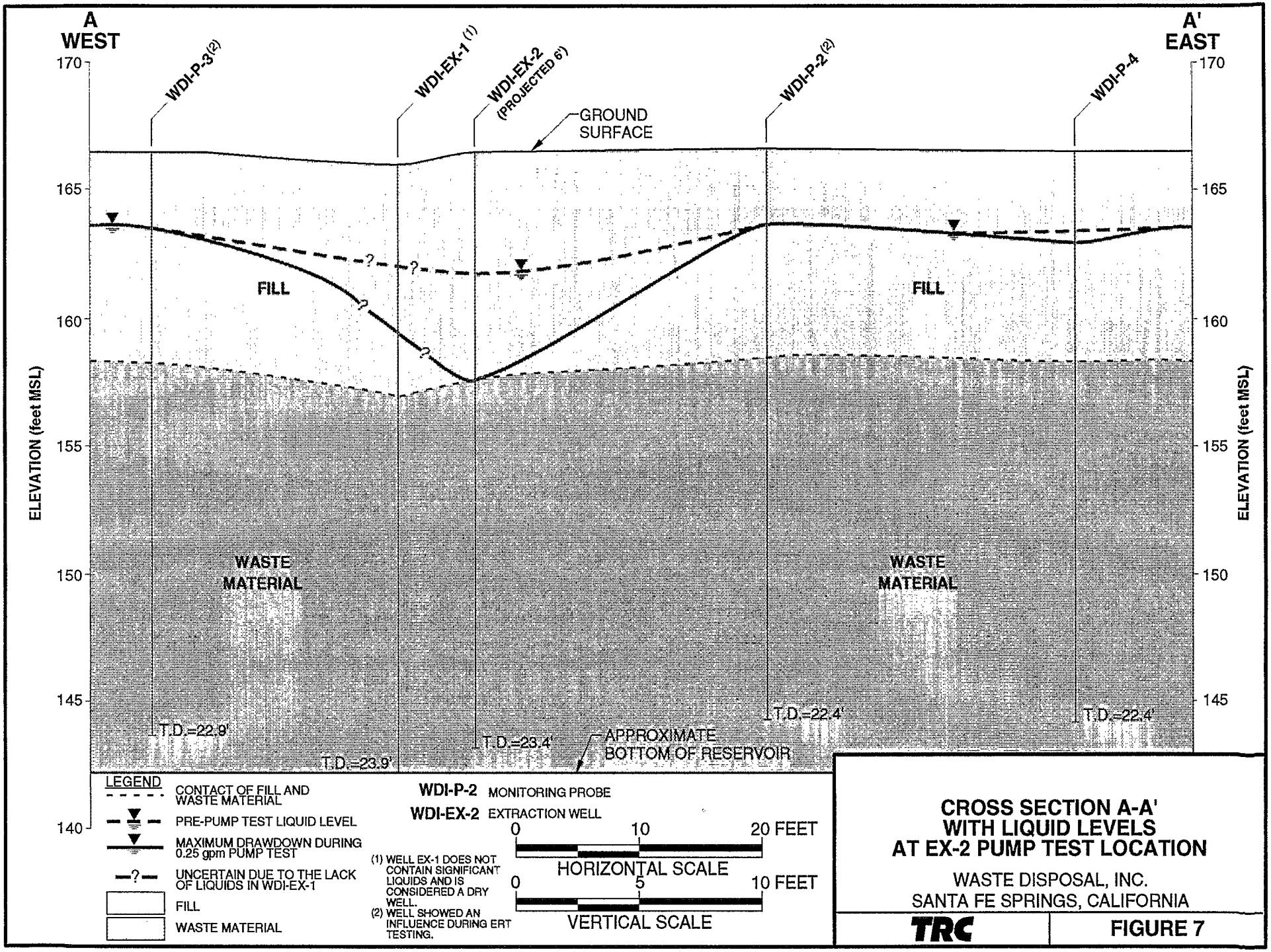
0.25 GPM TEST DATA AND CYCLE TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 6

94-256ROFTM6/12-12 REV.10/29/98

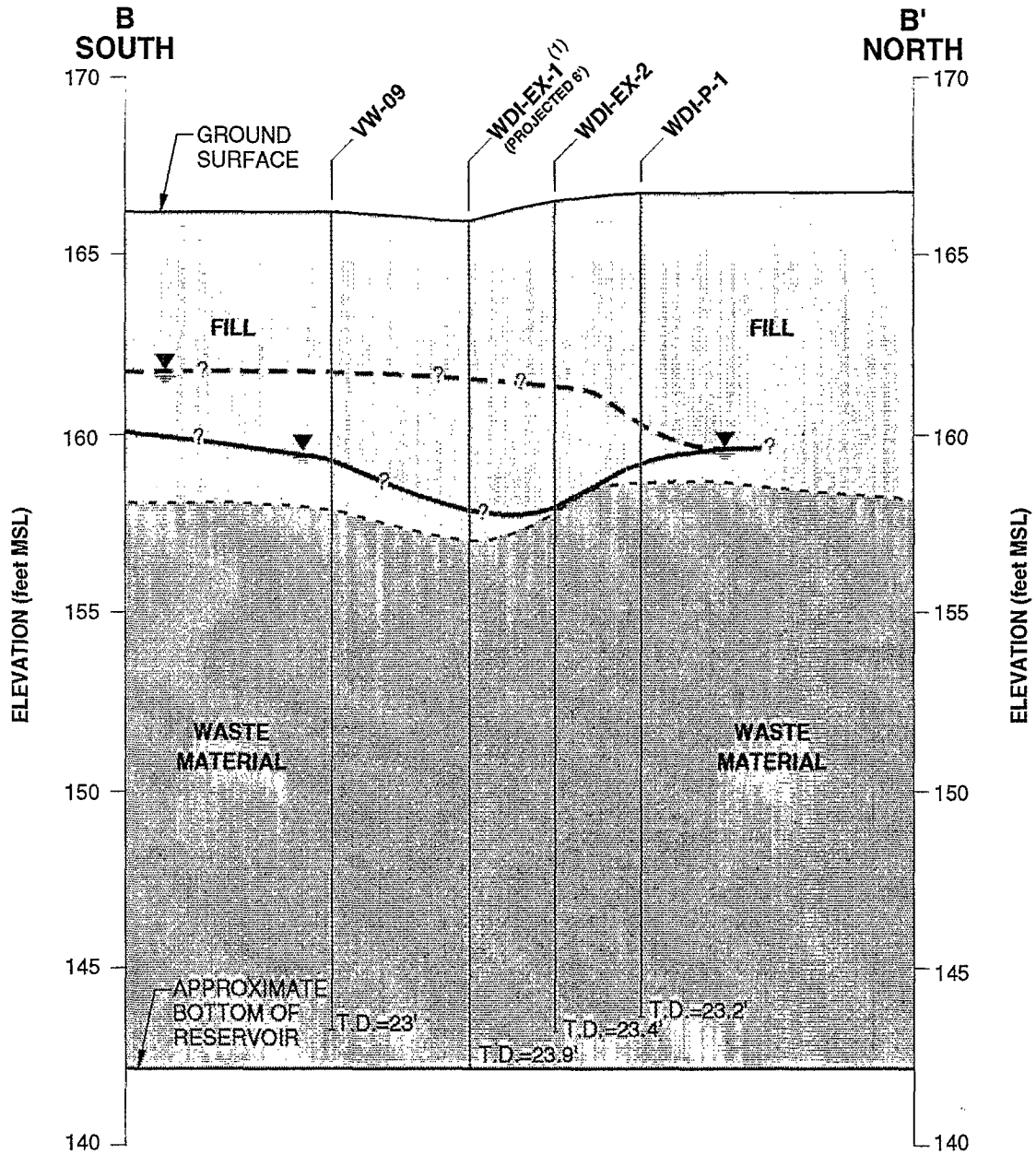


CROSS SECTION A-A'
WITH LIQUID LEVELS
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 7



(1) WELL EX-1 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL.

LEGEND

- - - - - CONTACT OF FILL AND WASTE MATERIAL
PRE-PUMP TEST LIQUID LEVEL
MAXIMUM DRAWDOWN DURING 0.25 gpm PUMP TEST
—?— UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-1
FILL
WASTE MATERIAL
WDI-P-1 MONITORING PROBE
WDI-EX-2 EXTRACTION WELL
VW-09 EXISTING MONITORING PROBE

0 10 20 FEET
HORIZONTAL SCALE

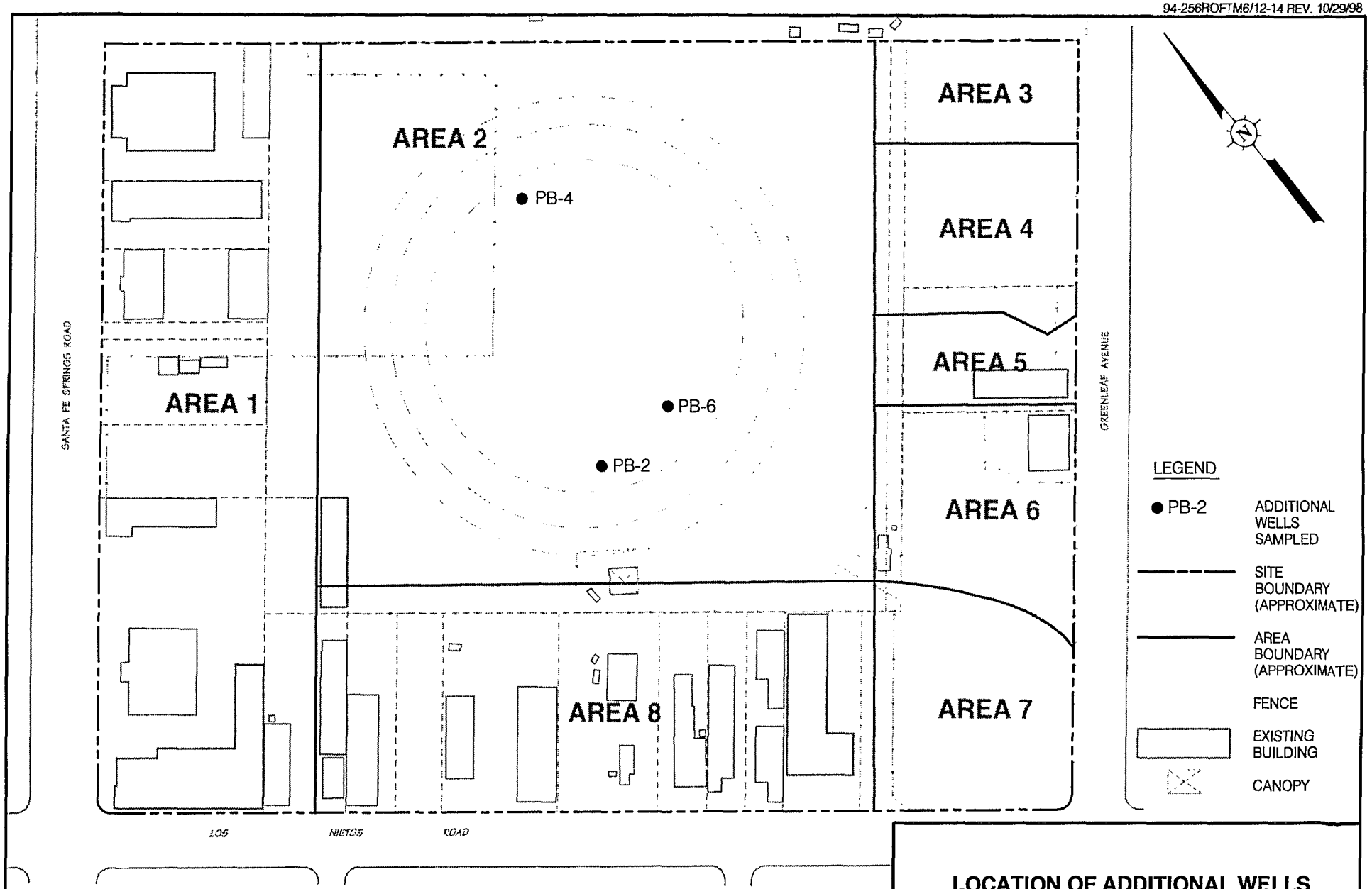
0 5 10 FEET
VERTICAL SCALE

CROSS SECTION B-B'
WITH LIQUID LEVELS
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 8**

94-256ROFTM6/12-14 REV. 10/29/98



REFERENCE: BASED ON FIGURES 2.3 AND 2.7, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d.

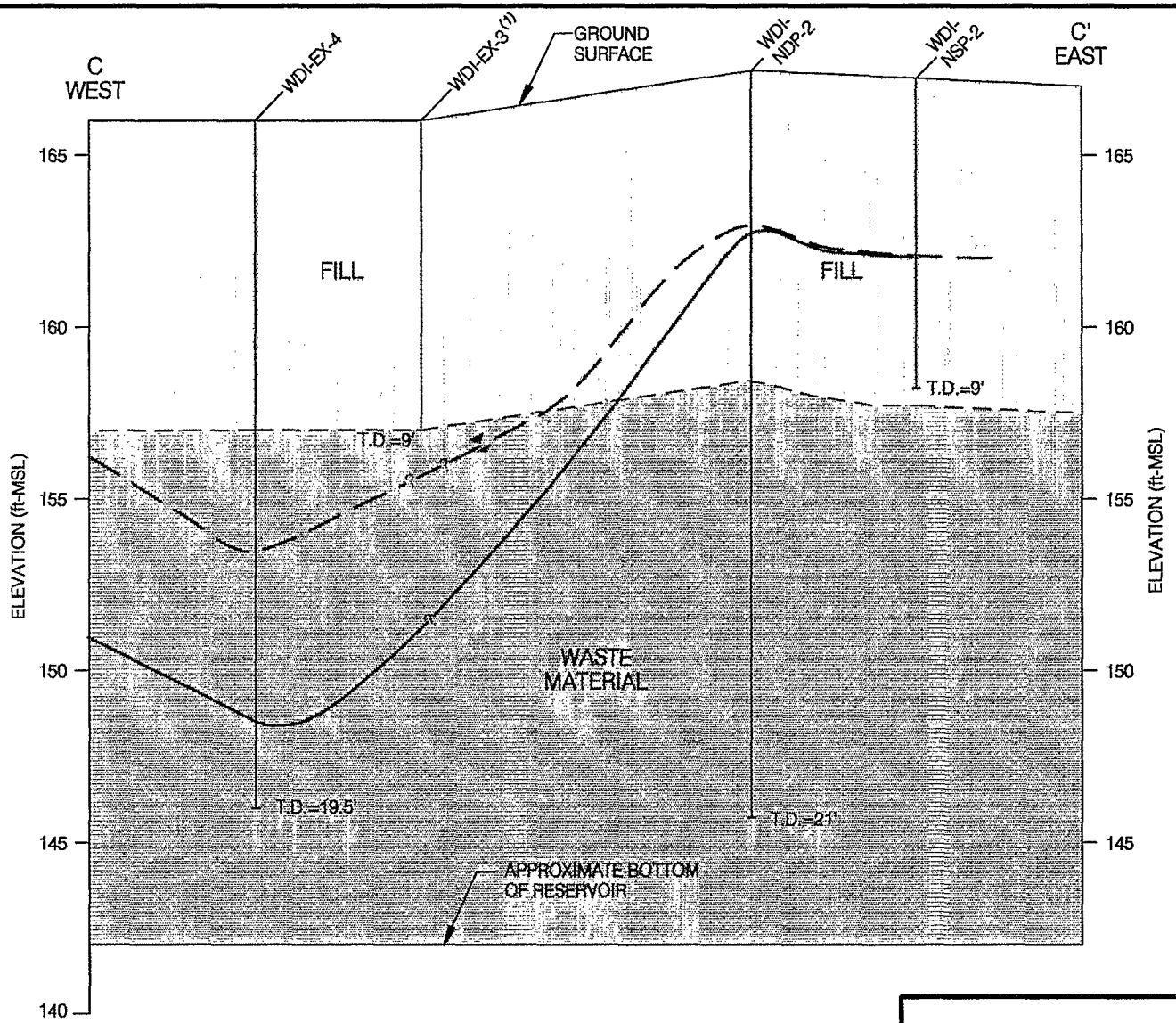
0 200 400 FEET
SCALE

LOCATION OF ADDITIONAL WELLS SAMPLED WITHIN RESERVOIR

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 9



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-3
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

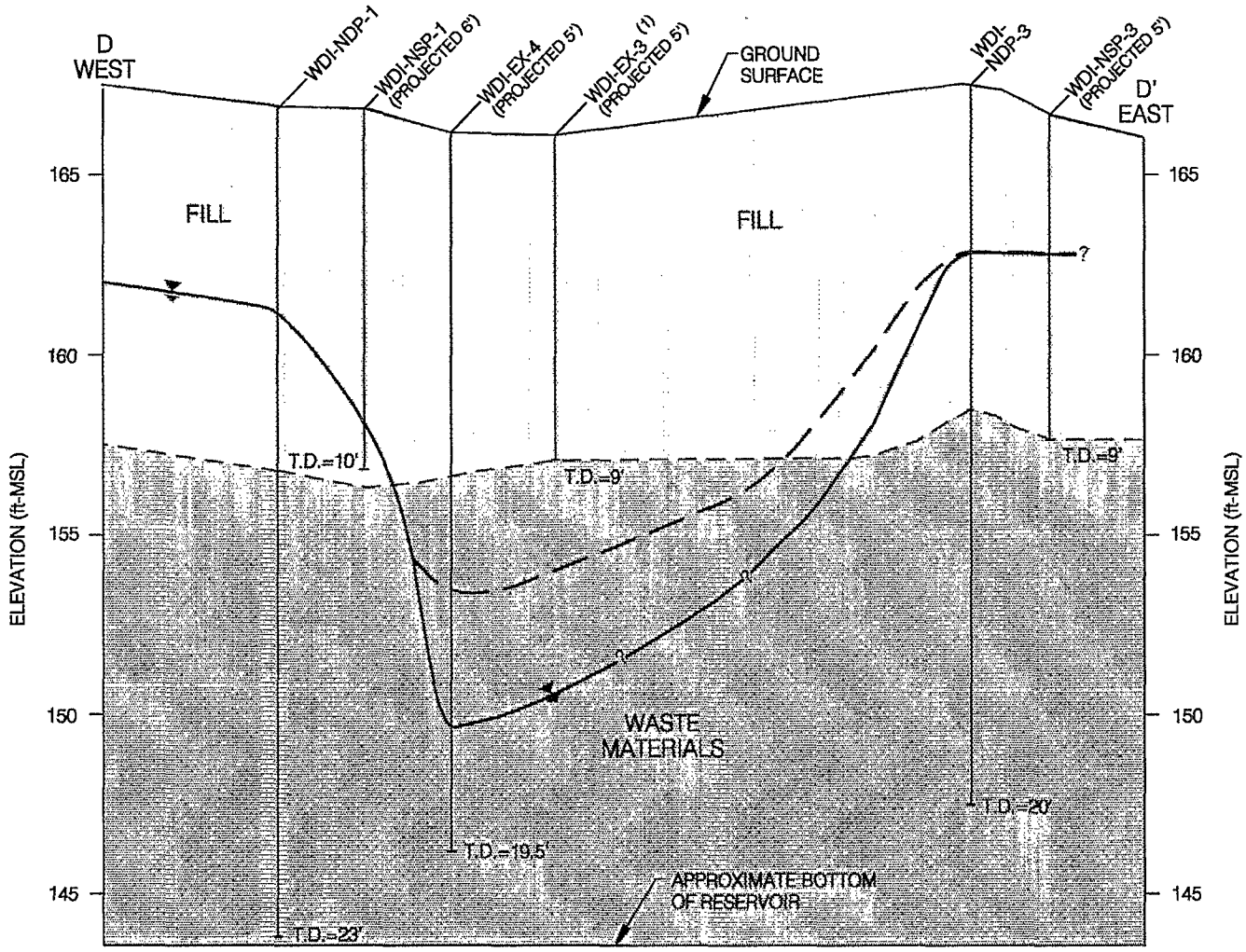
(1) WELL EX-3 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL

CROSS SECTION C-C' WITH LIQUID LEVELS AT EX-4 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 10



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- ? UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-3
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

(1) WELL EX-3 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL.

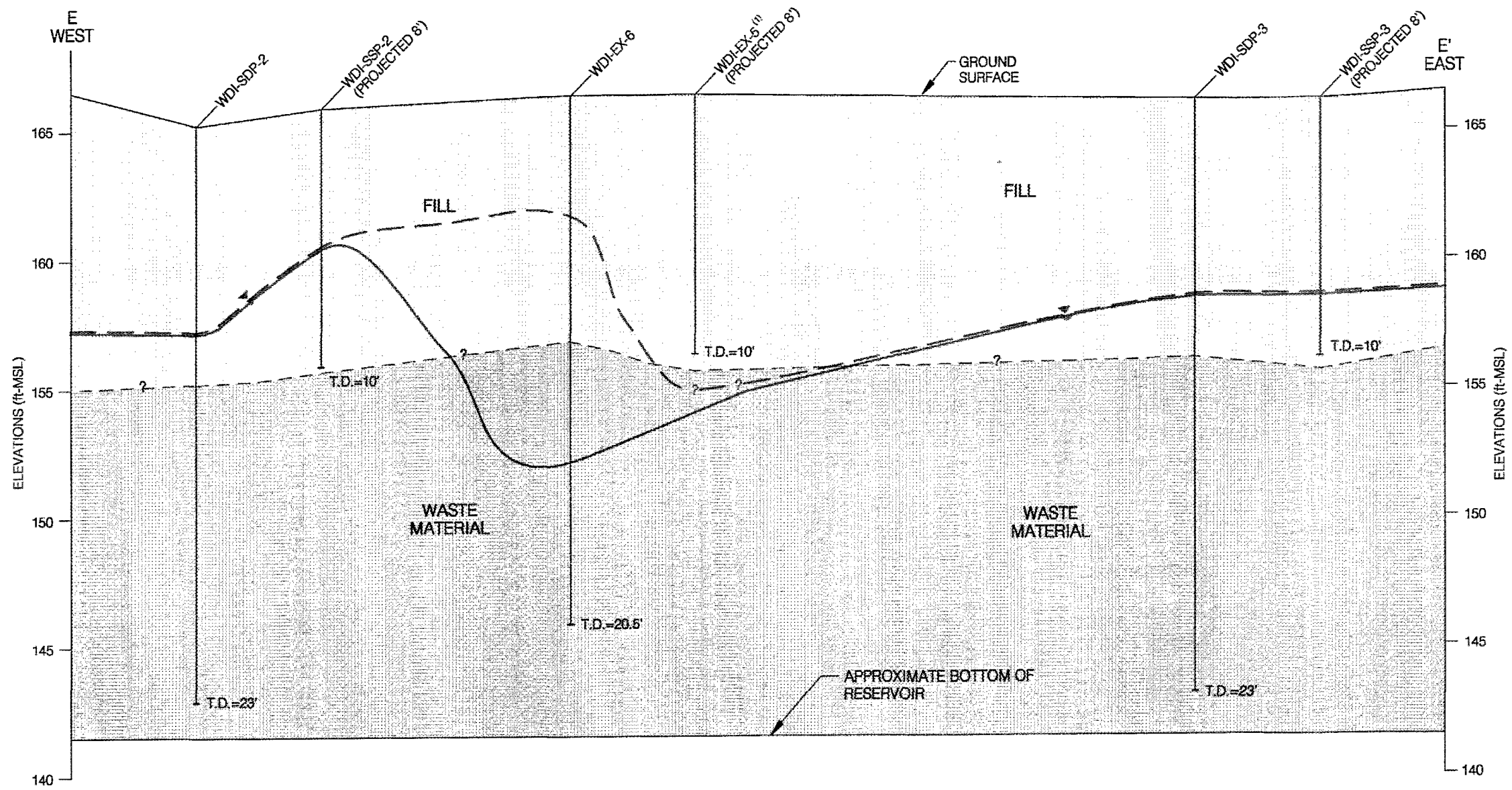
CROSS SECTION D-D' WITH LIQUID LEVELS AT EX-4 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 11

94-256ROFTM6/12-02 REV. 10/30/98



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-5
- FILL
- WASTE MATERIAL

(1) WELL EX-5 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL.

0 5 10 FEET
VERTICAL SCALE

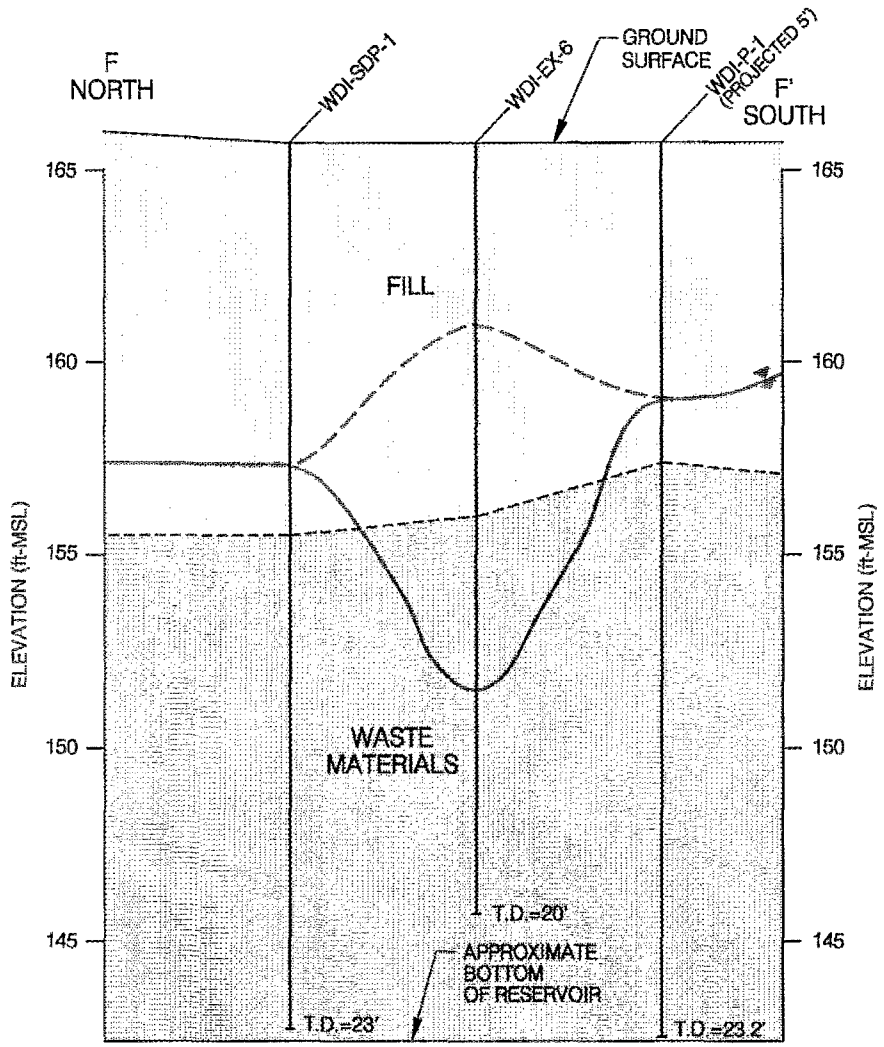
0 10 20 FEET
HORIZONTAL SCALE

CROSS SECTION E-E' WITH LIQUID LEVELS AT EX-6 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 12



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

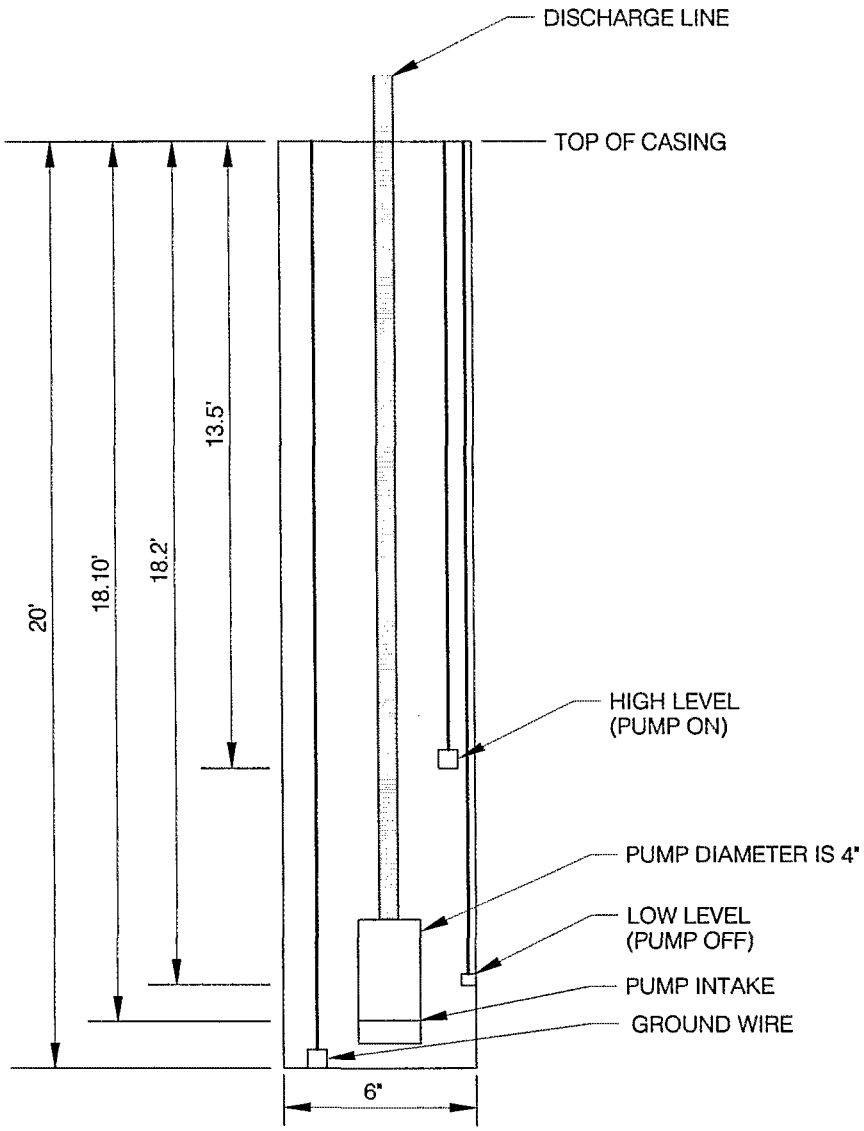
CROSS SECTION F-F' WITH LIQUID LEVELS AT EX-6 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 13

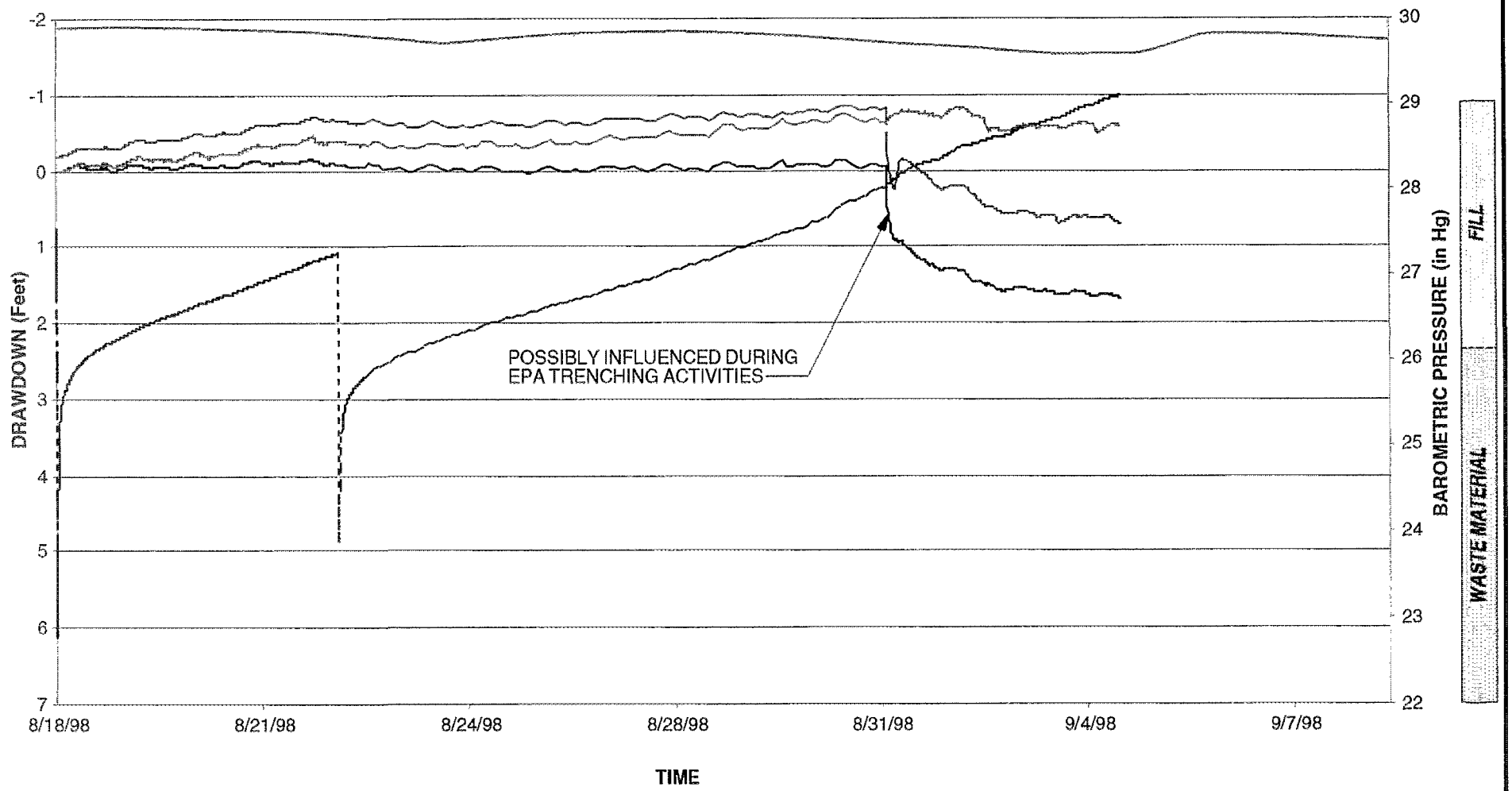
94-256ROFTM6/12-07 REV.10/30/98



PUMP SETUP WITH ELECTRODES, PUMP AND DISCHARGE LINE FOR EX-4 AND EX-6 PUMP TESTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 14**



LEGEND

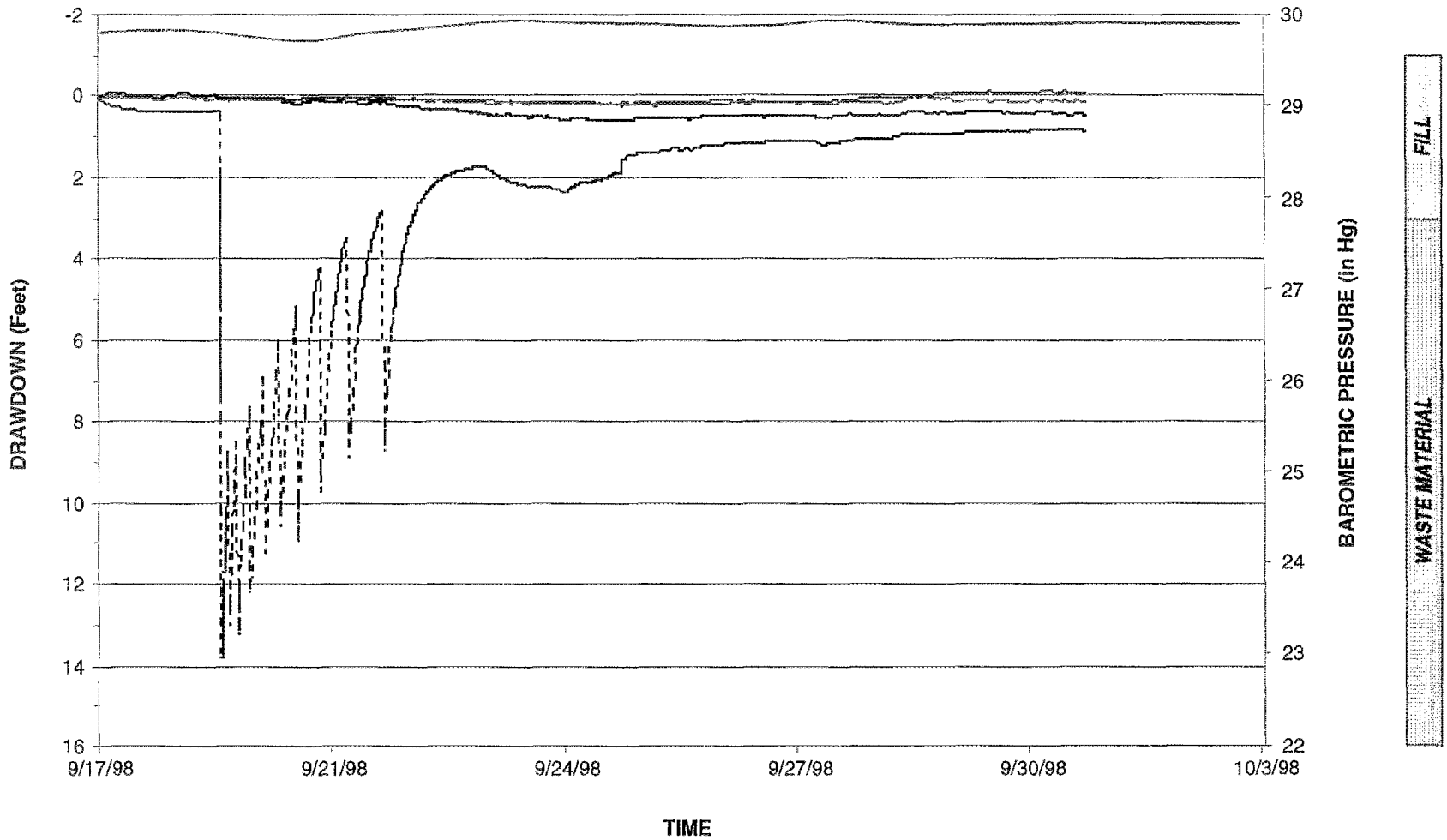
- EX-4
- NDP-1
- NDP-2
- NDP-3
- BAROMETRIC PRESSURE

EX-4 PUMP TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 15



LEGEND

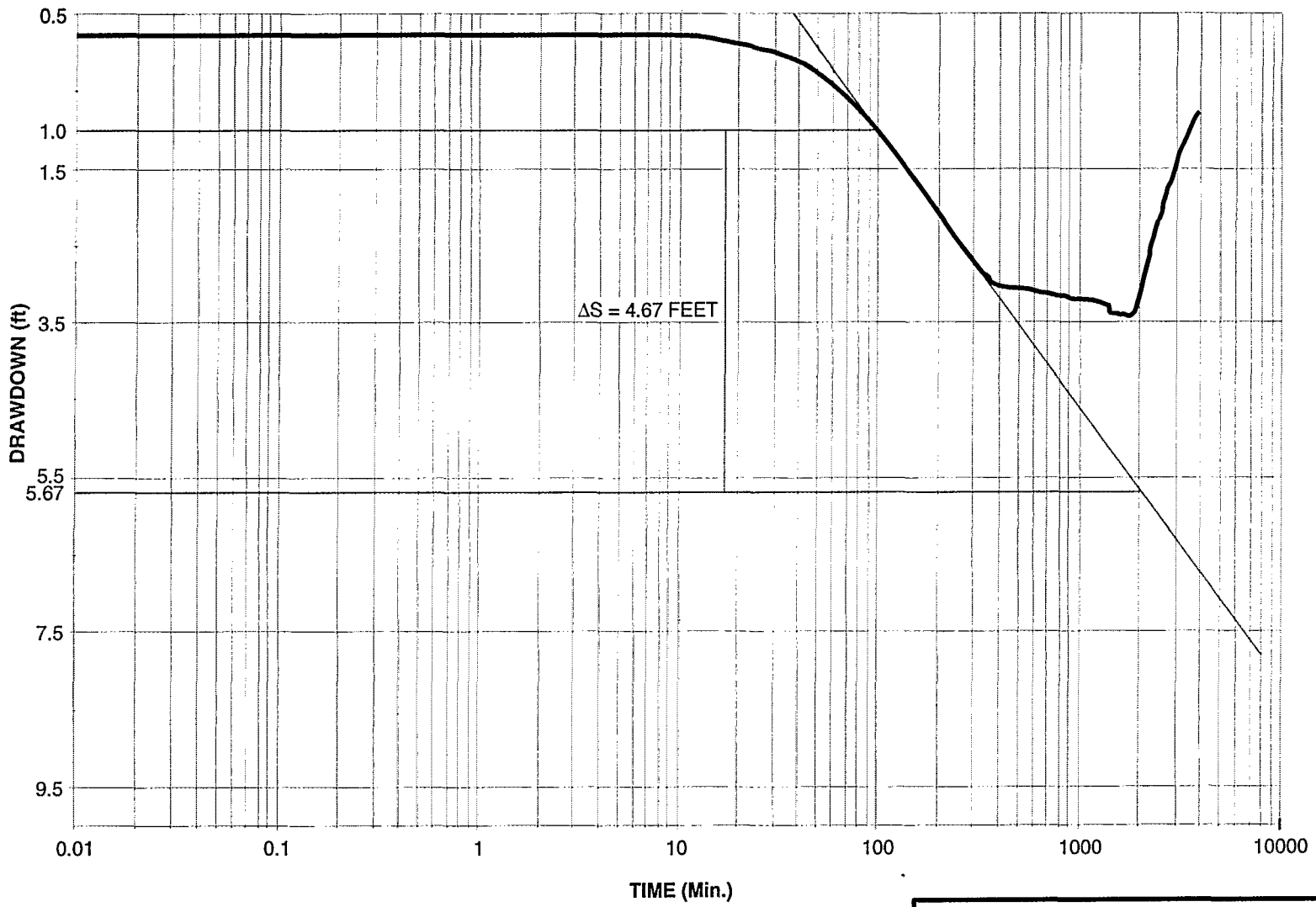
- EX-6
- SDP-1
- SDP-2
- SDP-3
- P-1
- BAROMETRIC PRESSURE

EX-6 PUMP TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 16



LEGEND

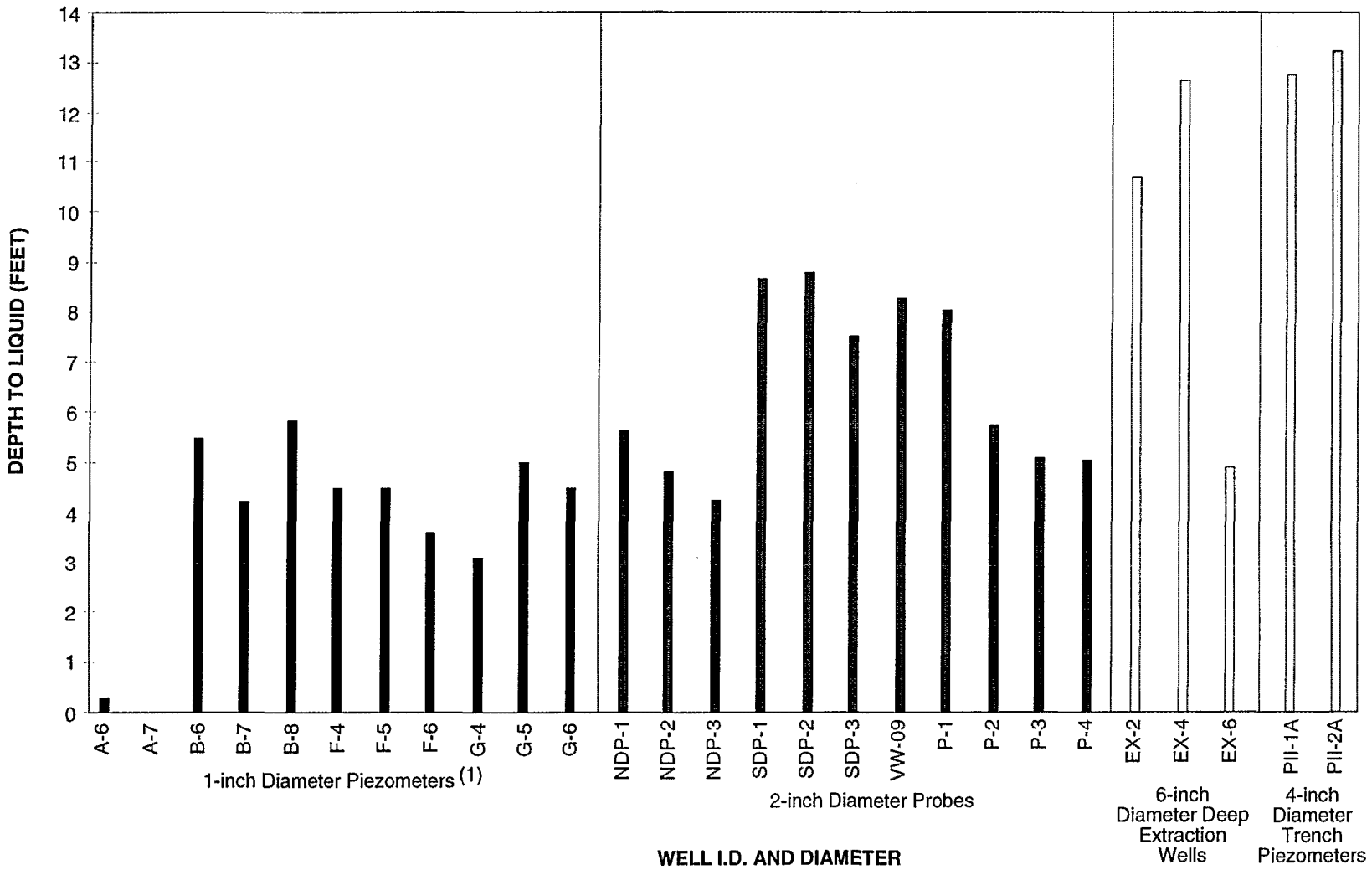
VW-09

VW-09 DRAWDOWN CURVE FOR 0.25 GPM PUMP TEST

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 17



(1) 1-INCH PIEZOMETERS INSTALLED BY EPA, LOCATED WITHIN A 50-FOOT RADIUS OF PUMP TEST AREAS.

LIQUID LEVELS VERSUS DIAMETER OF WELL

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 18

APPENDIX A

BORING AND CONSTRUCTION LOGS

TRC

MONITORING WELL EX-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094208.1 E. 4270913.7

FIELD ENGINEER/ GEOLOGIST: A. ISALY

DATE BEGAN: 12/12/97

EDITED BY: A. ISALY

DATE FINISHED: 12/12/97

CHECKED BY: R. PUGA

GROUND SURFACE EL. 166.07

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	DESCRIPTION
0	NA	NA	GS	ml/ sm	SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS		- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc	SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS		- strong odor, stained.
20	NA	NA	GS		- strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 23.9 FEET

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER SURFACE COMPLETION WITH LOCKING CAP
- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 6-FEET
- CONCRETE SURFACE SEAL: 0 TO 2 FEET
- GROUT SEAL: 2 TO 4 FEET
- MONTEREY NO. 3 SAND: 4 TO 5.9 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 6 TO 22 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 22 TO 23 FEET
- FILTER PACK: 5.9 TO 23.9 FEET
- CENTRALIZER: 10 AND 20 FEET
- 12-INCH DIAMETER BORING

94-256MW/EX-1 REV. 7/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL EX-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094207.9 E. 4270923.0

FIELD ENGINEER/ GEOLOGIST: A. ISALY

DATE BEGAN: 5/4/98

EDITED BY: A. ISALY

DATE FINISHED: 5/4/98

CHECKED BY: R. PUGA

GROUND SURFACE EL. 167.22

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NA	NA	GS	ml/ sm			SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS				- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS				- strong odor, stained.
20	NA	NA	GS				- strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 23.4 FEET

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER STEEL SURFACE RISER WITH LOCKING CAP
- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 6-FEET
- CONCRETE SURFACE SEAL: 0 TO 1 FOOT
- GROUT SEAL: 1 TO 4 FEET
- BENTONITE SEAL (1/4-INCH PELLETS): 4 TO 5 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 6 TO 22 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 22 TO 23 FEET
- FILTER PACK: 5 TO 23.4 FEET
- CENTRALIZER: 10 AND 20 FEET
- 12-INCH DIAMETER BORING

94-256MW/EX-2 REV. 7/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL EX-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094439.9 E. 4271074.1

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/12/98

EDITED BY: A. ISALY

DATE FINISHED: 8/12/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.04

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Dark brown to gray, medium to coarse sand, trace of fine gravel, slightly moist to moist, no odor.
5	NM	NA	GS	ml/ sm			(FILL)
10	NM	NA	GS	cl/sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 4 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 4 TO 7 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 7 TO 9 FEET
- BENTONITE GROUT: 0 TO 2 FEET
- BENTONITE PELLETS: 2 TO 3 FEET
- PEA GRAVEL: 3 TO 9 FEET
- BENTONITE PELLETS: 9 TO 10 FEET

94-256MW/EX-3 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL EX-4

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094435.6 E. 4271073.5

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/12/98

EDITED BY: A. ISALY

DATE FINISHED: 8/12/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.09

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SANDY SILT: Light brown to gray, medium to coarse sand, trace of fine gravel, slightly moist, no odor, hard drilling at 4' (concrete).
5	NM	NA	GS	sm/ ml			(FILL)
10	NM	NA	GS				SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 20 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 10 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 10 TO 19 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 19 TO 19.5 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9 FEET
- PEA GRAVEL: 9 TO 20 FEET

94-256MW/EX-4 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL EX-5

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094219.4 E. 4270930.1

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.36

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Yellowish brown to gray, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			
10	NM	NA	GS				(FILL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 5 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 5 TO 8 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 8 TO 10 FEET
- BENTONITE GROUT: 0 TO 3 FEET
- BENTONITE PELLETS: 3 TO 4 FEET
- PEA GRAVEL: 4 TO 10 FEET

94-256MW/EX-5 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL EX-6

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094222.2 E. 4270925.6

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.38

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS	sm/ ml			SILTY SAND TO SANDY SILT: Light brown to gray, medium to coarse sand, dry to slightly moist, no odor. - hard drilling at 3' (possibly concrete). (FILL)
5	NM	NA	GS				
10	NM	NA	GS	cl/ sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained. (SUMP-LIKE MATERIAL)
15	NM	NA	GS				
20	NM	NA	GS				

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 20.5 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 6-INCH DIAMETER, STAINLESS STEEL, 0 TO 11 FEET
- WELL SCREEN: 0.025-INCH SLOTTED WIRE WRAP, 11 TO 20 FEET
- SOLID CASING (SUMP): 6-INCH DIAMETER, STAINLESS STEEL, 20 TO 20.5 FEET
- BENTONITE GROUT: 0 TO 9 FEET
- BENTONITE PELLETS: 9 TO 10 FEET
- PEA GRAVEL: 10 TO 20.5 FEET

94-256MW/EX-6 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL P-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094212.2 E. 4270925.2

FIELD ENGINEER/ GEOLOGIST: A. ISALY

DATE BEGAN: 12/12/97

EDITED BY: A. ISALY

DATE FINISHED: 12/12/97

CHECKED BY: R. PUGA

GROUND SURFACE EL. 166.45

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NA	NA	GS	ml/ sm			SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS				- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS				- strong odor, stained.
20	NA	NA	GS				- strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 23.2 FEET

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER SURFACE COMPLETION WITH LOCKING CAP
- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5.8-FEET
- CONCRETE SURFACE SEAL: 0 TO 1 FOOT
- GROUT SEAL: 1 TO 3 FEET
- MONTEREY NO. 3 SAND: 3 TO 4.8 FEET
- WELL SCREEN: 0.025-INCH SLOTTED SCHEDULE 40 PVC, 5.8 TO 21.8 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 21.8 TO 22.8 FEET
- FILTER PACK: 4.8 TO 23.2 FEET
- CENTRALIZER: 10 AND 20 FEET
- 6-INCH DIAMETER BORING

PROJECT NAME: WASTE DISPOSAL, INC.

94-256MW/P-1 REV. 7/23/98

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL P-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094189.2 E. 4270937.9

FIELD ENGINEER/ GEOLOGIST: A. ISALY

DATE BEGAN: 12/12/97

EDITED BY: A. ISALY

DATE FINISHED: 12/12/97

CHECKED BY: R. PUGA

GROUND SURFACE EL. 166.32

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NA	NA	GS	ml/ sm			SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS				- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS				- strong odor, stained.
20	NA	NA	GS				- strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 22.4 FEET.

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER SURFACE COMPLETION WITH LOCKING CAP
- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5-FEET
- CONCRETE SURFACE SEAL: 0 TO 1 FOOT
- GROUT SEAL: 1 TO 3 FEET
- MONTEREY NO. 3 SAND: 3 TO 4 FEET
- WELL SCREEN: 0.025-INCH SLOTTED SCHEDULE 40 PVC, 5 TO 21 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 21 TO 22 FEET
- FILTER PACK: 4 TO 22.4 FEET
- CENTRALIZER: 10 AND 20 FEET
- 6-INCH DIAMETER BORING

PROJECT NAME: WASTE DISPOSAL, INC.

94-256MW/P-2 REV. 7/23/98

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL P-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094220.1 E. 4270898.1

FIELD ENGINEER/ GEOLOGIST: A. ISALY

DATE BEGAN: 12/11/97

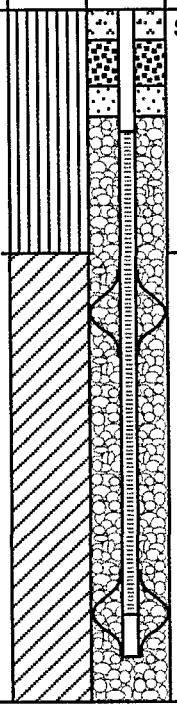
EDITED BY: A. ISALY

DATE FINISHED: 12/11/97

CHECKED BY: R. PUGA

GROUND SURFACE EL. 166.21

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	DESCRIPTION
0	NA	NA	GS	ml/ sm	SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS		- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc	SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS		- strong odor, stained.
20	NA	NA	GS		- strong odor, stained. (SUMP-LIKE MATERIAL)



NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 22.9 FEET.

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER SURFACE COMPLETION WITH LOCKING CAP
- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 4-FEET
- CONCRETE SURFACE SEAL: 0 TO 1 FOOT
- GROUT SEAL: 1 TO 2.5 FEET
- MONTEREY NO. 3 SAND: 2.5 TO 3.5 FEET
- WELL SCREEN: 0.025-INCH SLOTTED SCHEDULE 40 PVC, 4 TO 20 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 20 TO 21 FEET
- FILTER PACK: 3.5 TO 22.9 FEET
- CENTRALIZER: 10 AND 20 FEET

94-256MW/P-3 REV. 7/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL P-4

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT
SAMPLER TYPE: GRAB SAMPLE
AND DIMENSION: NA
FIELD ENGINEER/ GEOLOGIST: A. ISALY
EDITED BY: A. ISALY
CHECKED BY: R. PUGA

COORDINATES N. 4094173.4 E. 4270955.8
DATE BEGAN: 12/12/97
DATE FINISHED: 12/12/97
GROUND SURFACE EL. 166.15

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NA	NA	GS	ml/ sm			SILTY SAND TO SANDY SILT: Brown, trace of coarse sand and gravel, well graded, slightly moist, no odor, no staining.
5	NA	NA	GS				- no odor, no staining. (FILL)
10	NA	NA	GS	cl/ sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NA	NA	GS				- strong odor, stained.
20	NA	NA	GS				- strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
GS = GRAB SAMPLE
TOTAL DEPTH: 22.4 FEET.

WELL CONSTRUCTION DETAILS

- 12-INCH DIAMETER SURFACE COMPLETION WITH LOCKING CAP
- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5-FEET
- CONCRETE SURFACE SEAL: 0 TO 1 FOOT
- GROUT SEAL: 1 TO 3 FEET
- MONTEREY NO. 3 SAND: 3 TO 4 FEET
- WELL SCREEN: 0.025-INCH SLOTTED SCHEDULE 40 PVC, 5 TO 21 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 21 TO 22 FEET
- FILTER PACK: 4 TO 22.4 FEET
- CENTRALIZER: 10 AND 20 FEET

94-256MW/P-4 REV. 7/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NDP-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094445.5 E. 4271084.9

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.89

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SANDY SILT: Light brown to grayish brown, medium to coarse sand, trace of fine gravel, dry to slightly moist, no odor.
5	NM	NA	GS	sm/ ml			(FILL)
10	NM	NA	GS				SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 23 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 10 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 10 TO 22 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 22 TO 23 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9.5 FEET
- PEA GRAVEL: 9.5 TO 23 FEET

PROJECT NAME: WASTE DISPOSAL, INC.

94-256MW/NDP-1 REV. 10/23/98

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NDP-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094425.6 E. 4271094.5

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 167.50

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SANDY SILT: Light brown to grayish brown, medium to coarse sand, trace of fine gravel, dry, no odor.
							- hard drilling, concrete fragments
5	NM	NA	GS	sm/ ml			(FILL)
10	NM	NA	GS				SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 21 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 11 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 11 TO 20 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 20 TO 21 FEET
- BENTONITE GROUT: 0 TO 9 FEET
- BENTONITE PELLETS: 9 TO 10 FEET
- PEA GRAVEL: 10 TO 21 FEET

94-256MW/NDP-2 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NDP-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094405.9 E. 4271055.2

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 167.57

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO CLAYEY SAND: Light brown to gray, medium to coarse sand, trace of fine gravel, slightly moist, no odor.
5	NM	NA	GS	sm/ sc			(FILL)
10	NM	NA	GS				SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 20 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 10 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 10 TO 19 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 19 TO 20 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9.5 FEET
- PEA GRAVEL: 9.5 TO 20 FEET

94-256MW/NDP-3 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NSP-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094448.5 E. 4271081.2

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.83

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to grayish brown, medium to coarse sand, trace of fine gravel, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			
10	NM	NA	GS				(FILL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 5 TO 9 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 9 TO 10 FEET
- BENTONITE GROUT: 0 TO 3 FEET
- BENTONITE PELLETS: 3 TO 4 FEET
- PEA GRAVEL: 4 TO 10 FEET

94-256MW/NSP-1 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NSP-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094430.1 E. 4271092.1

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 167.46

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to grayish brown, medium to coarse sand, trace of fine gravel, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			(FILL)
10	NM	NA	GS	cl/sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 4 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 4 TO 8 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 8 TO 9 FEET
- BENTONITE GROUT: 0 TO 2 FEET
- BENTONITE PELLETS: 2 TO 3 FEET
- PEA GRAVEL: 3 TO 9 FEET
- BENTONITE PELLETS: 9 TO 10 FEET

94-256MW/NSP-2 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL NSP-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094408.0 E. 4271051.2

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/10/98

EDITED BY: A. ISALY

DATE FINISHED: 8/10/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.61

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to grayish brown, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			(FILL)
				cl/sc			SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft,high plasticity, saturated, strong odor, stained. (SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 9.5 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 4 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 4 TO 8 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 8 TO 9 FEET
- BENTONITE GROUT: 0 TO 2 FEET
- BENTONITE PELLETS: 2 TO 3 FEET
- PEA GRAVEL: 3 TO 9 FEET
- BENTONITE PELLETS: 9 TO 9.5 FEET

94-256MW/NSP-3 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SDP-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094230.8 E. 4270931.7

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.40

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SILTY SAND: Light brown to dark gray, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	sm /ml			
10	NM	NA	GS				(FILL)
							SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 23 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 10 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 10 TO 22 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 22 TO 23 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9.5 FEET
- PEA GRAVEL: 9.5 TO 23 FEET

94-256MW/SDP-1 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SDP-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094235.2 E. 4270910.1

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 165.17

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SANDY SILT: Light brown to dark gray, medium to coarse sand, dry to slightly moist, no odor, hard drilling at 3' to 4' (concrete).
5	NM	NA	GS	sm/ ml			
10	NM	NA	GS				(FILL)
							SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 23 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 10 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 10 TO 22 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 22 TO 23 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9.5 FEET
- PEA GRAVEL: 9.5 TO 23 FEET

94-256MW/SDP-2 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SDP-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094197.7 E. 4270956.4

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.12

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SILTY SAND TO SANDY SILT: Light brown to grayish gray, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	sm/ ml			(FILL)
10	NM	NA	GS				SILTY CLAY TO CLAYEY SILT: Black to olive green, trace of sand, soft, high plasticity, saturated, strong odor, stained.
15	NM	NA	GS	cl/ sc			
20	NM	NA	GS				(SUMP-LIKE MATERIAL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 23 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 10 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 10 TO 22 FEET
- SOLID CASING (SUMP): -INCH DIAMETER, SCHEDULE 40 PVC, 22 TO 23 FEET
- BENTONITE GROUT: 0 TO 8 FEET
- BENTONITE PELLETS: 8 TO 9.5 FEET
- PEA GRAVEL: 9.5 TO 23 FEET

94-256MW/SDP-3 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SSP-1

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094227.7 E. 4270936.0

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.21

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to dark gray, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			
10	NM	NA	GS				(FILL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 5 TO 9 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 9 TO 10 FEET
- BENTONITE GROUT: 0 TO 3 FEET
- BENTONITE PELLETS: 3 TO 4 FEET
- PEA GRAVEL: 4 TO 10 FEET

94-256MW/SSP-1 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SSP-2

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094232.7 E. 4270913.7

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 165.84

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to gray, medium to coarse sand, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			
10	NM	NA	GS				(FILL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 5 TO 9 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 9 TO 10 FEET
- BENTONITE GROUT: 0 TO 3 FEET
- BENTONITE PELLETS: 3 TO 4 FEET
- PEA GRAVEL: 4 TO 10 FEET

94-256MW/SSP-2 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

MONITORING WELL SSP-3

SHEET 1 OF 1

DRILLING CO./RIG: WEST HAZMAT

COORDINATES N. 4094193.8 E. 4270959.7

FIELD ENGINEER/ GEOLOGIST: W. AUNG

DATE BEGAN: 8/11/98

EDITED BY: A. ISALY

DATE FINISHED: 8/11/98

CHECKED BY: A. ISALY

GROUND SURFACE EL. 166.14

DEPTH IN FEET	PID (ppm)	PENETRATION RESISTANCE (BLOWS PER FOOT)	SAMPLE TYPE	U.S.C.S.	PROFILE/ LITHOLOGY	WELL CONSTRUCTION DETAIL	DESCRIPTION
0	NM	NA	GS				SANDY SILT TO SILTY SAND: Light brown to grayish brown, medium to coarse sand, trace of fine gravel, dry to slightly moist, no odor.
5	NM	NA	GS	ml/ sm			
10	NM	NA	GS				(FILL)

NA = NOT APPLICABLE
NM = NOT MEASURED
GS = GRAB SAMPLE
TOTAL DEPTH: 10 FEET

WELL CONSTRUCTION DETAILS

- SOLID CASING: 2-INCH DIAMETER, SCHEDULE 40 PVC, 0 TO 5 FEET
- WELL SCREEN: 0.02-INCH SLOTTED PVC, 5 TO 9 FEET
- SOLID CASING (SUMP): 2-INCH DIAMETER, SCHEDULE 40 PVC, 9 TO 10 FEET
- BENTONITE GROUT: 0 TO 3 FEET
- BENTONITE PELLETS: 3 TO 4 FEET
- PEA GRAVEL: 4 TO 10 FEET

94-256MW/SSP-3 REV. 10/23/98

PROJECT NAME: WASTE DISPOSAL, INC.

PROJECT NO.: 94-256

LOCATION: SANTA FE SPRINGS, CALIFORNIA

TRC

APPENDIX B

LABORATORY ANALYTICAL DATA AND CHAIN-OF-CUSTODYS

B.1 Extraction Well EX-2 Pump Test Pre Test Results
B.2 Extraction Well EX-2 Pump Test Data Post Test Results
B.3 Extraction Well EX-4 Pump Test Data
B.4 Extraction Well EX-6 Pump Test Data

APPENDIX B.1

EXTRACTION WELL EX-2 PUMP TEST DATA
PRE TEST RESULTS

TRC

Del Mar Analytical

2842 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

June 11, 1998

TRC Environmental Solutions, Inc.
21 Technology Drive
Ivrine, CA 92618

Attention: Richard Scott

Subject: Waste Disposal Inc. (Sampled: May 11, 1998)
Del Mar Analytical Number: HE01495.TRC

Dear Mr. Scott:

The microbiological analyses of your samples were performed by Truesdail Laboratories, Inc. The cross-reference identification is as follows:

Client Proj.	Client ID	Del Mar ID	Truesdail ID
94-256	WDI-EX-2	HE01495	201837
94-256	WDI-P-1	HE01497	201837
94-256	WDI-P-2	HE01499	201837
94-256	WDI-P-3	HE01501	201837
94-256	WDI-P-4	HE01503	201837
94-256	WDI-VW-9	HE01505	201837

The attached report is the original from Truesdail Laboratories, Inc. If you have any questions or need further clarification, please do not hesitate to contact me.

Sincerely,

DEL MAR ANALYTICAL

Pat Abe
Project Manager

TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES
Established 1931
14201 FRANKLIN AVENUE • TUSTIN, CALIFORNIA 92780-7008
PHONE (714) 730-6239 • FAX (714) 730-6462

REPORT

Del Mar Analytical
2852 Alton Avenue
Irvine, CA 92714
Attn: Pat Abe

Date: 06/10/98
Received: 05/12/98
Lab No: 201837

Samples: Six Liquids
Collection Date: 05/11/98
Project/P.O. No.: 94-256 Waste Disposal, Inc.
Date of Analysis: 05/13/98

Investigation: Total Heterotrophic Bacteria Plate Count Method 9215B APHA Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992; Facultative Anaerobic Bacteria MPN Method FDA Bacteriological Manual, 6th Ed., 1984; Speciation of Predominate Organism by Oxi-Ferm II Method

RESULTS

SAMPLE NUMBER	ANAEROBIC BACTERIA MPN*/ML	PLATE COUNT CFU**/ML	PREDOMINATE SPECIES
HEO1495	15	10	Alcaligenes denitrificans or Pseudomonas acidovorans
HEO1497	930,000	650,000	Pseudomonas putida
HEO1499	23	60	Alcaligenes faecalis or Pseudomonas spp.
HEO1501	430,000	130,000	Pseudomonas putrefaciens
HEO1503	7,500	23,000	Aeromonas hydrophila
HEO1505	93,000	90,000	Algaligenes denitrificans or Pseudomonas acidovorans

*Most probable number.
**Colony-forming units.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

Note: Bacto Fluid Thioglycollate Broth was used in this method (incubation for seven days @ 35°C). Growth would be due mostly to facultative anaerobic and micro-aerophilic bacteria. Strict anaerobes are unlikely to grow in this medium.

Plate counts were conducted using Plate Count Agar, 48 hrs. @ 35°C. The speciation of predominate organisms were from isolates of the plate counts.

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

Sherron Leno

Sherron Leno
Senior Microbiologist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 980687
Prepared For:

Del Mar Analytical
Pat Abe
2852 Alton Ave
Irvine, CA 92606

Date: 06/11/98

Signature _____ Date: 6/11/98

Name: Greg L. Cook

Core Laboratories-Carson
21730 S. Wilmington Suite 201
Carson, CA 90810

Title: Supervising Chemist

CORE LABORATORIES

LABORATORY TESTS RESULTS
06/11/98

JOB NUMBER: 980687 CUSTOMER: Del Mar Analytical ATTN: Pat Abe

SAMPLE NUMBER: 1 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-Ex-2[He03431] SAMPLE: WDI-Ex-2[He03431] REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 2 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-1[He03432] Free SAMPLE: WDI-P-1[He03432] Free REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 3 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-1[He03433] SAMPLE: WDI-P-1[He03433] REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 4 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-2[He03434] Free SAMPLE: WDI-P-2[He03434] Free REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 5 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-2[He03435] SAMPLE: WDI-P-2[He03435] REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 6 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-3[He03436] Free SAMPLE: WDI-P-3[He03436] Free REM: 1 Quart Glass Bottle

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	UNITS OF MEASURE
Heating Value, (Gross)	<175	6674	344	8750	310	19166	BTU/lb
Sulfur by X-ray Spectrometry	0.049	0.836	0.269	0.667	0.726	0.868	Wt.%

21730 S. Wilmington Suite 201
Carson, CA 90810
(310) 513-2031

CORE LABORATORIES

LABORATORY TESTS RESULTS
06/11/98

JOB NUMBER: 980687 CUSTOMER: Del Mar Analytical ATTN: Pat Abe

SAMPLE NUMBER: 7 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-3[He03437] SAMPLE: WDI-P-3[He03437] REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 8 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-4[He03438] Free SAMPLE: WDI-P-4[He03438] Free REM: 1 Quart Glass-Bottle

SAMPLE NUMBER: 9 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-P-4[He03439] SAMPLE: WDI-P-4[He03439] REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 10 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-VW-9[He03440] free SAMPLE: WDI-VW-9[He03440] free REM: 1 Quart Glass Bottle

SAMPLE NUMBER: 11 DATE RECEIVED: 05/29/98 TIME RECEIVED: 09:40 SAMPLE DATE: 05/11/98 SAMPLE TIME: 00:00
PROJECT: WDI-VW-9[He03441] SAMPLE: WDI-VW-9[He03441] REM: 1 Quart Glass Bottle

TEST DESCRIPTION	SAMPLE 7	SAMPLE 8	SAMPLE 9	SAMPLE 10	SAMPLE 11		UNITS OF MEASURE
Heating Value, (Gross)	15980	18921	613	18282	1160		BTU/lb
Sulfur by X-ray Spectrometry	0.796	0.723	0.655	0.865	0.755		Wt.%

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Carson, CA 90810
(310) 513-2031

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-EX-2	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01495	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	93%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606
1014 E. Cooley Dr., Suite A, Colton, CA 92324
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406
2465 W. 12th St., Suite 1, Tempe, AZ 85281

TRC Environmental Solutions	Client Project ID:	94-256	Sampled: May 11, 1998
21 Technology Drive		Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript:	Liquid, WDI-P-1	Extracted: May 18, 1998
Attention: Richard Scott	Lab Number:	HE01497	Analyzed: May 18, 1998
			Reported: May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	100%

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Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-2	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01499	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	95%

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16525 Sherman Way Suite C-11 Van Nuys CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St. Suite 1 Tempe AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-3	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01501	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	99%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-4	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01503	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	97%

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[illegible] Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3421

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-VW-9	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01505	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-2(FREE)	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01498	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	98%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-4(FREE)	Extracted:	May 18, 1998
Attention: Richard Scott	Lab Number: HE01502	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120).....	99%

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Del Mar Analytical

2465 W. 12th St. Suite I, Tempe, AZ 85281 (602) 968-5472 FAX (602) 968-5491

TRC Environmental Solutions	Client Project ID:	94-256	Sampled: May 11, 1998
21 Technology Drive		Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript:	Product, WDI-VW-9(FREE)	Extracted: May 18, 1998
Attention: Richard Scott	Lab Number:	HE01504	Analyzed: May 18, 1998
			Reported: May 28, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120).....	97%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Analysis Method: EPA 413.2 (I.R.)
First Sample #: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 21, 1998
Analyzed: May 21, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Liquid	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HE01495	WDI-EX-2	93	50	50
HE01497	WDI-P-1	280	50	50
HE01499	WDI-P-2	280	50	50
HE01501	WDI-P-3	240	50	50
HE01503	WDI-P-4	300	50	50
HE01505	WDI-VW-9	500	50	50

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted:	May 21, 1998
Attention: Richard Scott	First Sample #: HE01495	Analyzed:	May 21, 1998
		Reported:	May 28, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Liquid	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HE01495	WDI-EX-2	85	50	50
HE01497	WDI-P-1	280	50	50
HE01499	WDI-P-2	250	50	50
HE01501	WDI-P-3	230	50	50
HE01503	WDI-P-4	290	50	50
HE01505	WDI-VW-9	430	50	50

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1(FREE)	Extracted:	May 19, 1998
Attention: Richard Scott	Lab Number: HE01496	Analyzed:	May 21, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/KG (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.
PCB-1016	5.0	N.D.
PCB-1221	5.0	N.D.
PCB-1232	5.0	N.D.
PCB-1242	5.0	N.D.
PCB-1248	5.0	N.D.
*PCB-1254	5.0	N.D.
PCB-1260	**5.0**	**14**

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-2(FREE)	Extracted:	May 19, 1998
Attention: Richard Scott	Lab Number: HE01498	Analyzed:	May 21-22, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/KG (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.
PCB-1016	5.0	N.D.
PCB-1221	5.0	N.D.
PCB-1232	5.0	N.D.
PCB-1242	5.0	N.D.
PCB-1248	5.0	N.D.
*PCB-1254	5.0	N.D.
PCB-1260	**5.0**	**7.4**

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-4(FREE)	Extracted: May 19, 1998
Attention: Richard Scott	Lab Number: HE01502	Analyzed: My 21-22, 1998
		Reported: Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/KG (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.
PCB-1016	5.0	N.D.
PCB-1221	5.0	N.D.
PCB-1232	5.0	N.D.
PCB-1242	5.0	N.D.
PCB-1248	5.0	N.D.
*PCB-1254	5.0	N.D.
PCB-1260	5.0	N.D.

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-EX-2	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01495	Analyzed:	May 27, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.
PCB-1016	1.0	N.D.
PCB-1221	1.0	N.D.
PCB-1232	1.0	N.D.
PCB-1242	1.0	N.D.
PCB-1248	1.0	N.D.
PCB-1254	1.0	N.D.
PCB-1260	1.0	N.D.

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	100%
Decachlorobiphenyl (30-130)	13%*

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-1	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01497	Analyzed:	May 21-27, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	5.0	N.D.
alpha-BHC	5.0	N.D.
beta-BHC	5.0	N.D.
delta-BHC	13	N.D.
gamma-BHC (Lindane)	5.0	N.D.
Chlordane	100	N.D.
4,4' DDD	5.0	N.D.
4,4'-DDE	5.0	N.D.
4,4'-DDT	5.0	N.D.
Dieldrin	5.0	N.D.
Endosulfan I	5.0	N.D.
Endosulfan II	5.0	N.D.
Endosulfan sulfate	25	N.D.
Endrin	5.0	N.D.
Endrin aldehyde	5.0	N.D.
Endrin ketone	5.0	N.D.
Heptachlor	5.0	N.D.
Heptachlor epoxide	5.0	N.D.
Methoxychlor	5.0	N.D.
Toxaphene	200	N.D.
PCB-1016	50	N.D.
PCB-1221	50	N.D.
PCB-1232	50	N.D.
PCB-1242	50	N.D.
PCB-1248	**50**	**130**
*PCB-1254	50	N.D.
****PCB-1260**	**100**	**420**

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.
** Due to matrix effects and/or other factors, the sample required dilution. Reporting Limit for this analyte has been raised by a factor of 100.
Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

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2465 W. 12th St., Suite 1, Tempe AZ 85281 (602) 968-0272 FAX (602)

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript. Liquid, WDI-P-2	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01499	Analyzed:	5/27-6/1, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.25	N.D.
alpha-BHC	0.25	N.D.
beta-BHC	0.25	N.D.
delta-BHC	0.63	N.D.
gamma-BHC (Lindane)	0.25	N.D.
Chlordane	5.0	N.D.
4,4'-DDD	0.25	N.D.
4,4'-DDE	0.25	N.D.
4,4'-DDT	0.25	N.D.
Dieldrin	0.25	N.D.
Endosulfan I	0.25	N.D.
Endosulfan II	0.25	N.D.
Endosulfan sulfate	1.3	N.D.
Endrin	0.25	N.D.
Endrin aldehyde	0.25	N.D.
Endrin ketone	0.25	N.D.
Heptachlor	0.25	N.D.
Heptachlor epoxide	0.25	N.D.
Methoxychlor	0.25	N.D.
Toxaphene	10	N.D.
PCB-1016	2.5	N.D.
PCB-1221	2.5	N.D.
PCB-1232	2.5	N.D.
PCB-1242	2.5	N.D.
*PCB-1248	2.5	N.D.
PCB-1254	**2.5**	**13**
PCB-1260	2.5	N.D.

* Sample also contains PCB 1248 . Quantitation was not possible due to coelution with PCB 1254.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-3	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01501	Analyzed:	May 21-27, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.25	N.D.
alpha-BHC	0.25	N.D.
beta-BHC	0.25	N.D.
delta-BHC	0.63	N.D.
gamma-BHC (Lindane)	0.25	N.D.
Chlordane	5.0	N.D.
4,4'-DDD	0.25	N.D.
4,4'-DDE	0.25	N.D.
4,4'-DDT	0.25	N.D.
Dieldrin	0.25	N.D.
Endosulfan I	0.25	N.D.
Endosulfan II	0.25	N.D.
Endosulfan sulfate	1.3	N.D.
Endrin	0.25	N.D.
Endrin aldehyde	0.25	N.D.
Endrin ketone	0.25	N.D.
Heptachlor	0.25	N.D.
Heptachlor epoxide	0.25	N.D.
Methoxychlor	0.25	N.D.
Toxaphene	10	N.D.
PCB-1016	2.5	N.D.
PCB-1221	2.5	N.D.
PCB-1232	2.5	N.D.
PCB-1242	2.5	N.D.
**PCB-1248	10	52
*PCB-1254	2.5	N.D.
***PCB-1260	250	580

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.
** Due to matrix effects and/or other factors, the sample required dilution. Reporting Limit for this analyte has been raised by a factor of 10.
*** Due to matrix effects and/or other factors, the sample required dilution. Reporting Limit for this analyte has been raised by a factor of 250.
Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 19
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-4	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01503	Analyzed:	May 21-27, 1998
		Reported:	Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	2.5	N.D.
alpha-BHC	2.5	N.D.
beta-BHC	2.5	N.D.
delta-BHC	6.3	N.D.
gamma-BHC (Lindane)	2.5	N.D.
Chlordane	50	N.D.
4,4'-DDD	2.5	N.D.
4,4'-DDE	2.5	N.D.
4,4'-DDT	2.5	N.D.
Dieldrin	2.5	N.D.
Endosulfan I	2.5	N.D.
Endosulfan II	2.5	N.D.
Endosulfan sulfate	13	N.D.
Endrin	2.5	N.D.
Endrin aldehyde	2.5	N.D.
Endrin ketone	2.5	N.D.
Heptachlor	2.5	N.D.
Heptachlor epoxide	2.5	N.D.
Methoxychlor	2.5	N.D.
Toxaphene	100	N.D.
PCB-1016	25	N.D.
PCB-1221	25	N.D.
PCB-1232	25	N.D.
PCB-1242	25	N.D.
PCB-1248	25	N.D.
*PCB-1254	25	N.D.
PCB-1260	**25**	**47**

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 25.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-VW-9	Extracted: May 13, 1998
Attention: Richard Scott	Lab Number: HE01505	Analyzed: May 23-27, 1998
		Reported: Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	5.0	N.D.
alpha-BHC	5.0	N.D.
beta-BHC	5.0	N.D.
delta-BHC	13	N.D.
gamma-BHC (Lindane)	5.0	N.D.
Chlordane	100	N.D.
4,4'-DDD	5.0	N.D.
4,4'-DDE	5.0	N.D.
4,4'-DDT	5.0	N.D.
Dieldrin	5.0	N.D.
Endosulfan I	5.0	N.D.
Endosulfan II	5.0	N.D.
Endosulfan sulfate	25	N.D.
Endrin	5.0	N.D.
Endrin aldehyde	5.0	N.D.
Endrin ketone	5.0	N.D.
Heptachlor	5.0	N.D.
Heptachlor epoxide	5.0	N.D.
Methoxychlor	5.0	N.D.
Toxaphene	200	N.D.
PCB-1016	50	N.D.
PCB-1221	50	N.D.
PCB-1232	50	N.D.
PCB-1242	50	N.D.
PCB-1248	**50**	**250**
*PCB-1254	50	N.D.
PCB-1260	**50**	**510**

* Sample showed PCB 1254. Quantitation was not possible due to coelution with PCB 1248 and 1260.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: HE01496

Sampled: May 11, 1998
Received: May 11, 1998
Analyzed: May 13, 1998
Reported: May 28, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HE01496	WDI-P-1(FREE)	630,000	C8 - C40	100
		39,000	C8 - C9	6.2
		63,000	C10 - C11	10
		88,000	C12 - C13	14
		82,000	C14 - C15	13
		76,000	C16 - C17	12
		56,000	C18 - C19	8.9
		51,000	C20 - C21	8.1
		37,000	C22 - C23	5.8
		29,000	C24 - C25	4.6
		21,000	C26 - C27	3.4
		28,000	C28 - C29	4.5
		26,000	C30 - C31	4.1
		26,000	C32 - C35	4.2
		7,600	C36 - C40	1.2

Reporting Limit: 1,000

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	May 16, 1998
Attention: Richard Scott	Lab Number: HE01498	Reported:	May 28, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HE01498	WDI-P-2(FREE)	430,000	C8 - C40	100
		43,000	C8 - C9	10
		52,000	C10 - C11	12
		65,000	C12 - C13	15
		56,000	C14 - C15	13
		47,000	C16 - C17	11
		37,000	C18 - C19	8.7
		26,000	C20 - C21	6.1
		22,000	C22 - C23	5.2
		20,000	C24 - C25	4.7
		17,000	C26 - C27	4.0
		16,000	C28 - C29	3.8
		16,000	C30 - C31	3.8
		10,000	C32 - C35	2.4
		N.D.	C36 - C40	N.A.

Reporting Limit:	**1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Analysis Method: EPA 3510/ Mod. 8015
Lab Number: HE01500

Sampled: May 11, 1998
Received: May 11, 1998
Analyzed: May 13, 1998
Reported: May 28, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3510/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HE01500	WDI-P-3(FREE)	640,000	C8 - C40	100
		23,000	C8 - C9	3.6
		51,000	C10 - C11	7.9
		83,000	C12 - C13	13
		90,000	C14 - C15	14
		83,000	C16 - C17	13
		58,000	C18 - C19	9.0
		52,000	C20 - C21	8.1
		40,000	C22 - C23	6.2
		33,000	C24 - C25	5.2
		42,000	C26 - C27	6.5
		24,000	C28 - C29	3.8
		26,000	C30 - C31	4.1
		33,000	C32 - C35	5.1
		3,300	C36 - C40	0.52

Reporting Limit:	**1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced except in full without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01502	Reported:	May 28, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HE01502	WDI-P-4(FREE)	610,000	C8 - C40	100
		48,000	C8 - C9	7.9
		85,000	C10 - C11	14
		98,000	C12 - C13	16
		79,000	C14 - C15	13
		67,000	C16 - C17	11
		50,000	C18 - C19	8.2
		43,000	C20 - C21	7.1
		32,000	C22 - C23	5.3
		28,000	C24 - C25	4.6
		19,000	C26 - C27	3.1
		24,000	C28 - C29	3.9
		17,000	C30 - C31	2.8
		21,000	C32 - C35	3.5
		N.D.	C36 - C40	N.A.

Reporting Limit:	**1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: HE01504

Sampled: May 11, 1998
Received: May 11, 1998
Analyzed: May 13, 1998
Reported: May 28, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HE01504	WDI-VW-9(FREE)	530,000	C8 - C40	100
		34,000	C8 - C9	6.5
		58,000	C10 - C11	11
		69,000	C12 - C13	13
		64,000	C14 - C15	12
		58,000	C16 - C17	11
		47,000	C18 - C19	8.8
		42,000	C20 - C21	7.9
		31,000	C22 - C23	5.9
		29,000	C24 - C25	5.4
		19,000	C26 - C27	3.6
		27,000	C28 - C29	5.1
		21,000	C30 - C31	3.9
		25,000	C32 - C35	4.7
		1,700	C36 - C40	0.33

Reporting Limit:	**1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1(FREE)	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01496	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	1,000,000	N.D.
Benzene	**200,000**	**220,000**
Bromodichloromethane	200,000	N.D.
Bromoform	500,000	N.D.
Bromomethane	500,000	N.D.
2-Butanone	1,000,000	N.D.
Carbon disulfide	500,000	N.D.
Carbon tetrachloride	500,000	N.D.
Chloroethane	500,000	N.D.
Chloroform	200,000	N.D.
Chloromethane	500,000	N.D.
1,2-Dibromoethane	200,000	N.D.
1,1-Dichloroethane	200,000	N.D.
1,2-Dichloroethane	200,000	N.D.
1,1-Dichloroethene	500,000	N.D.
trans-1,2-Dichloroethene	200,000	N.D.
1,2-Dichloropropane	200,000	N.D.
cis-1,3-Dichloropropene	200,000	N.D.
trans-1,3-Dichloropropene	200,000	N.D.
Ethylbenzene	**200,000**	**500,000**
2-Hexanone	1,000,000	N.D.
4-Methyl-2-pentanone	500,000	N.D.
Methylene chloride	2,000,000	N.D.
1,1,2,2-Tetrachloroethane	200,000	N.D.
Tetrachloroethene	200,000	N.D.
Toluene	**200,000**	**1,400,000**
1,1,1-Trichloroethane	200,000	N.D.
1,1,2-Trichloroethane	200,000	N.D.
Trichloroethene	200,000	N.D.
Vinyl acetate	500,000	N.D.
Vinyl chloride	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	92%
Toluene-d8 (81-117)	102%
4-Bromofluorobenzene (74-121)	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Product, WDI-P-2(FREE)
Lab Number: HE01498

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 20, 1998
Analyzed: May 20, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	1,000,000	N.D.
Benzene	200,000	N.D.
Bromodichloromethane	200,000	N.D.
Bromoform	500,000	N.D.
Bromomethane	500,000	N.D.
2-Butanone	1,000,000	N.D.
Carbon disulfide	500,000	N.D.
Carbon tetrachloride	500,000	N.D.
Chloroethane	500,000	N.D.
Chloroform	200,000	N.D.
Chloromethane	500,000	N.D.
1,2-Dibromoethane	200,000	N.D.
1,1-Dichloroethane	200,000	N.D.
1,2-Dichloroethane	200,000	N.D.
1,1-Dichloroethene	500,000	N.D.
trans-1,2-Dichloroethene	200,000	N.D.
1,2-Dichloropropane	200,000	N.D.
cis-1,3-Dichloropropene	200,000	N.D.
trans-1,3-Dichloropropene	200,000	N.D.
Ethylbenzene	200,000	N.D.
2-Hexanone	1,000,000	N.D.
4-Methyl-2-pentanone	500,000	N.D.
Methylene chloride	2,000,000	N.D.
1,1,2,2-Tetrachloroethane	200,000	N.D.
Tetrachloroethene	200,000	N.D.
Toluene	**200,000**	**370,000**
1,1,1-Trichloroethane	200,000	N.D.
1,1,2-Trichloroethane	200,000	N.D.
Trichloroethene	200,000	N.D.
Vinyl acetate	500,000	N.D.
Vinyl chloride	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	92%
Toluene-d8 (81-117)	99%
4-Bromofluorobenzene (74-121)	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced except in full, without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-3(FREE)	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01500	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	1,000,000	N.D.
Benzene	200,000	N.D.
Bromodichloromethane	200,000	N.D.
Bromoform	500,000	N.D.
Bromomethane	500,000	N.D.
2-Butanone	1,000,000	N.D.
Carbon disulfide	500,000	N.D.
Carbon tetrachloride	500,000	N.D.
Chloroethane	500,000	N.D.
Chloroform	200,000	N.D.
Chloromethane	500,000	N.D.
1,2-Dibromoethane	200,000	N.D.
1,1-Dichloroethane	200,000	N.D.
1,2-Dichloroethane	200,000	N.D.
1,1-Dichloroethene	500,000	N.D.
trans-1,2-Dichloroethene	200,000	N.D.
1,2-Dichloropropane	200,000	N.D.
cis-1,3-Dichloropropene	200,000	N.D.
trans-1,3-Dichloropropene	200,000	N.D.
Ethylbenzene	200,000	N.D.
2-Hexanone	1,000,000	N.D.
4-Methyl-2-pentanone	500,000	N.D.
Methylene chloride	2,000,000	N.D.
1,1,2,2-Tetrachloroethane	200,000	N.D.
Tetrachloroethene	200,000	N.D.
Toluene	200,000	N.D.
1,1,1-Trichloroethane	200,000	N.D.
1,1,2-Trichloroethane	200,000	N.D.
Trichloroethene	200,000	N.D.
Vinyl acetate	500,000	N.D.
Vinyl chloride	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	94%
Toluene-d8 (81-117)	99%
4-Bromofluorobenzene (74-121)	101%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-4(FREE)	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01502	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	1,000,000	N.D.
Benzene	200,000	N.D.
Bromodichloromethane	200,000	N.D.
Bromoform	500,000	N.D.
Bromomethane	500,000	N.D.
2-Butanone	1,000,000	N.D.
Carbon disulfide	500,000	N.D.
Carbon tetrachloride	500,000	N.D.
Chloroethane	500,000	N.D.
Chloroform	200,000	N.D.
Chloromethane	500,000	N.D.
1,2-Dibromoethane	200,000	N.D.
1,1-Dichloroethane	200,000	N.D.
1,2-Dichloroethane	200,000	N.D.
1,1-Dichloroethene	500,000	N.D.
trans-1,2-Dichloroethene	200,000	N.D.
1,2-Dichloropropane	200,000	N.D.
cis-1,3-Dichloropropene	200,000	N.D.
trans-1,3-Dichloropropene	200,000	N.D.
Ethylbenzene	**200,000**	**460,000**
2-Hexanone	1,000,000	N.D.
4-Methyl-2-pentanone	500,000	N.D.
Methylene chloride	2,000,000	N.D.
1,1,2,2-Tetrachloroethane	200,000	N.D.
Tetrachloroethene	200,000	N.D.
Toluene	**200,000**	**890,000**
1,1,1-Trichloroethane	200,000	N.D.
1,1,2-Trichloroethane	200,000	N.D.
Trichloroethene	200,000	N.D.
Vinyl acetate	500,000	N.D.
Vinyl chloride	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	94%
Toluene-d8 (81-117)	100%
4-Bromofluorobenzene (74-121)	102%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9(FREE)	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01504	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	1,000,000	N.D.
Benzene	200,000	N.D.
Bromodichloromethane	200,000	N.D.
Bromoform	500,000	N.D.
Bromomethane	500,000	N.D.
2-Butanone	1,000,000	N.D.
Carbon disulfide	500,000	N.D.
Carbon tetrachloride	500,000	N.D.
Chloroethane	500,000	N.D.
Chloroform	200,000	N.D.
Chloromethane	500,000	N.D.
1,2-Dibromoethane	200,000	N.D.
1,1-Dichloroethane	200,000	N.D.
1,2-Dichloroethane	200,000	N.D.
1,1-Dichloroethene	500,000	N.D.
trans-1,2-Dichloroethene	200,000	N.D.
1,2-Dichloropropane	200,000	N.D.
cis-1,3-Dichloropropene	200,000	N.D.
trans-1,3-Dichloropropene	200,000	N.D.
Ethylbenzene	200,000	N.D.
2-Hexanone	1,000,000	N.D.
4-Methyl-2-pentanone	500,000	N.D.
Methylene chloride	2,000,000	N.D.
1,1,2,2-Tetrachloroethane	200,000	N.D.
Tetrachloroethene	200,000	N.D.
Toluene	**200,000**	**220,000**
1,1,1-Trichloroethane	200,000	N.D.
1,1,2-Trichloroethane	200,000	N.D.
Trichloroethene	200,000	N.D.
Vinyl acetate	500,000	N.D.
Vinyl chloride	500,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	94%
Toluene-d8 (81-117)	99%
4-Bromofluorobenzene (74-121)	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-EX-2
Lab Number: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 19, 1998
Analyzed: May 19, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**1,000**	**1,800**
Benzene	**200**	**1,500**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	**1,000**	**6,600**
Carbon disulfide	**500**	**620**
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	200	N.D.
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	**500**	**11,000**
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**1,700**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	**200**	**1,000**
Vinyl acetate	500	N.D.
Vinyl chloride	**500**	**890**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	107%
Toluene-d8 (88-110)	107%
4-Bromofluorobenzene (86-115)	105%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-1	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01497	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	1,000	N.D.
Benzene	**200**	**1,600**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	**1,000**	**2,700**
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	**200**	**290**
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	**500**	**5,500**
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**2,200**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	500	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	104%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	98%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-2
Lab Number: HE01499

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 20, 1998
Analyzed: May 20, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**1,000**	**1,200**
Benzene	**200**	**640**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	**1,000**	**3,300**
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	200	N.D.
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	**500**	**3,500**
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**970**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	**200**	**400**
Vinyl acetate	500	N.D.
Vinyl chloride	**500**	**3,000**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	104%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	100%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-3	Extracted:	May 20, 1998
Attention: Richard Scott	Lab Number: HE01501	Analyzed:	May 20, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	1,000	N.D.
Benzene	**200**	**320**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	1,000	N.D.
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	**200**	**410**
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	500	N.D.
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**230**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	500	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	104%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	104%

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-4
Lab Number: HE01503

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 20, 1998
Analyzed: May 20, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**1,000**	**1,500**
Benzene	**200**	**920**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	**1,000**	**5,300**
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	**200**	**240**
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	**500**	**6,200**
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**1,300**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	**500**	**840**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	96%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	102%

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Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (714) 261-1022 FAX (714) 261-1228
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16520 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2405 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-5471

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-VW-9
Lab Number: HE01505

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 20, 1998
Analyzed: May 20, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	1,000	N.D.
Benzene	**200**	**1,700**
Bromodichloromethane	200	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
2-Butanone	**1,000**	**12,000**
Carbon disulfide	500	N.D.
Carbon tetrachloride	500	N.D.
Chloroethane	500	N.D.
Chloroform	200	N.D.
Chloromethane	500	N.D.
1,2-Dibromoethane	200	N.D.
1,1-Dichloroethane	200	N.D.
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	**200**	**2,400**
2-Hexanone	1,000	N.D.
4-Methyl-2-pentanone	**500**	**4,200**
Methylene chloride	2,000	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
Toluene	**200**	**4,300**
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Vinyl acetate	500	N.D.
Vinyl chloride	**500**	**500**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	93%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	106%

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Water, Trip Blank	Extracted:	May 21, 1998
Attention: Richard Scott	Lab Number: HE01506	Analyzed:	May 21, 1998
		Reported:	May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	101%
Toluene-d8 (88-110)	108%
4-Bromofluorobenzene (86-115)	102%

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Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 [illegible]
[illegible] Corona Dr., Suite A, Corona, CA 92879 [illegible]
16625 Sherman Way, Suite C-11, Van Nuys, CA 91406 [illegible]
[illegible] W. 12th St., Suite E, Tempe, AZ 85281 [illegible]

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1(FREE)	Extracted:	May 14, 1998
Attention: Richard Scott	Lab Number: HE01496	Analyzed:	May 14, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	500,000	N.D.	Indeno(1,2,3-cd)pyrene	1,000,000	N.D.
Acenaphthylene	500,000	N.D.	Isophorone	500,000	N.D.
Anthracene	500,000	N.D.	**2-Methylnaphthalene**	**500,000**	**2,000,000**
Benz(a)anthracene	500,000	N.D.	2-Methylphenol	750,000	N.D.
Benzo(b)fluoranthene	1,000,000	N.D.	4-Methylphenol	750,000	N.D.
Benzo(k)fluoranthene	1,000,000	N.D.	**Naphthalene**	**750,000**	**810,000**
Benzo(g,h,i)perylene	750,000	N.D.	2-Nitroaniline	1,000,000	N.D.
Benzo(a)pyrene	1,000,000	N.D.	4-Nitroaniline	2,500,000	N.D.
Bis(2-chloroethyl)ether	500,000	N.D.	Nitrobenzene	2,500,000	N.D.
Bis(2-chloroisopropyl)ether	500,000	N.D.	2-Nitrophenol	500,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000,000	N.D.	N-Nitrosodiphenylamine	1,000,000	N.D.
4-Bromophenyl phenyl ether	750,000	N.D.	N-Nitroso-di-N-propylamine	750,000	N.D.
Butyl benzyl phthalate	2,500,000	N.D.	Pentachlorophenol	2,500,000	N.D.
4-Chloroaniline	500,000	N.D.	Phenanthrene	500,000	N.D.
2-Chloronaphthalene	500,000	N.D.	Phenol	750,000	N.D.
4-Chloro-3-methylphenol	500,000	N.D.	Pyrene	750,000	N.D.
4-Chlorophenyl phenyl ether	500,000	N.D.	1,2,4-Trichlorobenzene	500,000	N.D.
Chrysene	500,000	N.D.	2,4,5-Trichlorophenol	750,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.	2,4,6-Trichlorophenol	750,000	N.D.
Dibenzofuran	500,000	N.D.			
Di-N-butyl phthalate	1,300,000	N.D.			
1,3-Dichlorobenzene	500,000	N.D.			
1,4-Dichlorobenzene	500,000	N.D.			
1,2-Dichlorobenzene	500,000	N.D.			
3,3-Dichlorobenzidine	2,500,000	N.D.			
2,4-Dichlorophenol	500,000	N.D.			
Dimethyl phthalate	500,000	N.D.			
4,6-Dinitro-2-methylphenol	1,300,000	N.D.			
2,4-Dinitrophenol	1,300,000	N.D.			
2,4-Dinitrotoluene	500,000	N.D.			
2,6-Dinitrotoluene	500,000	N.D.			
Di-N-octyl phthalate	2,500,000	N.D.			
Fluoranthene	500,000	N.D.			
Fluorene	500,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-3(FREE)	Extracted:	May 19, 1998
Attention: Richard Scott	Lab Number: HE01498	Analyzed:	May 19, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	1,000,000	N.D.	Indeno(1,2,3-cd)pyrene	2,000,000	N.D.
Acenaphthylene	1,000,000	N.D.	Isophorone	1,000,000	N.D.
Anthracene	1,000,000	N.D.	**2-Methylnaphthalene**	**1,000,000**	**1,700,000**
Benz(a)anthracene	1,000,000	N.D.	2-Methylphenol	1,500,000	N.D.
Benzo(b)fluoranthene	2,000,000	N.D.	4-Methylphenol	1,500,000	N.D.
Benzo(k)fluoranthene	2,000,000	N.D.	Naphthalene	1,500,000	N.D.
Benzo(g,h,i)perylene	1,500,000	N.D.	2-Nitroaniline	2,000,000	N.D.
Benzo(a)pyrene	2,000,000	N.D.	4-Nitroaniline	5,000,000	N.D.
Bis(2-chloroethyl)ether	1,000,000	N.D.	Nitrobenzene	5,000,000	N.D.
Bis(2-chloroisopropyl)ether	1,000,000	N.D.	2-Nitrophenol	1,000,000	N.D.
Bis(2-ethylhexyl)phthalate	10,000,000	N.D.	N-Nitrosodiphenylamine	2,000,000	N.D.
4-Bromophenyl phenyl ether	1,500,000	N.D.	N-Nitroso-di-N-propylamine	1,500,000	N.D.
Butyl benzyl phthalate	5,000,000	N.D.	Pentachlorophenol	5,000,000	N.D.
4-Chloroaniline	1,000,000	N.D.	Phenanthrene	1,000,000	N.D.
2-Chloronaphthalene	1,000,000	N.D.	Phenol	1,500,000	N.D.
4-Chloro-3-methylphenol	1,000,000	N.D.	Pyrene	1,500,000	N.D.
4-Chlorophenyl phenyl ether	1,000,000	N.D.	1,2,4-Trichlorobenzene	1,000,000	N.D.
Chrysene	1,000,000	N.D.	2,4,5-Trichlorophenol	1,500,000	N.D.
Dibenz(a,h)anthracene	2,500,000	N.D.	2,4,6-Trichlorophenol	1,500,000	N.D.
Dibenzofuran	1,000,000	N.D.			
Di-N-butyl phthalate	2,500,000	N.D.			
1,3-Dichlorobenzene	1,000,000	N.D.			
1,4-Dichlorobenzene	1,000,000	N.D.			
1,2-Dichlorobenzene	1,000,000	N.D.			
3,3-Dichlorobenzidine	5,000,000	N.D.			
2,4-Dichlorophenol	1,000,000	N.D.			
Dimethyl phthalate	1,000,000	N.D.			
4,6-Dinitro-2-methylphenol	2,500,000	N.D.			
2,4-Dinitrophenol	2,500,000	N.D.			
2,4-Dinitrotoluene	1,000,000	N.D.			
2,6-Dinitrotoluene	1,000,000	N.D.			
Di-N-octyl phthalate	5,000,000	N.D.			
Fluoranthene	1,000,000	N.D.			
Fluorene	1,000,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-3(FREE)	Extracted:	May 14, 1998
Attention: Richard Scott	Lab Number: HE01500	Analyzed:	May 14, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	500,000	N.D.	Indeno(1,2,3-cd)pyrene	1,000,000	N.D.
Acenaphthylene	500,000	N.D.	Isophorone	500,000	N.D.
Anthracene	**500,000**	**520,000**	**2-Methylnaphthalene**	**500,000**	**2,100,000**
Benz(a)anthracene	500,000	N.D.	2-Methylphenol	750,000	N.D.
Benzo(b)fluoranthene	1,000,000	N.D.	4-Methylphenol	750,000	N.D.
Benzo(k)fluoranthene	1,000,000	N.D.	Naphthalene	750,000	N.D.
Benzo(g,h,i)perylene	750,000	N.D.	2-Nitroaniline	1,000,000	N.D.
Benzo(a)pyrene	1,000,000	N.D.	4-Nitroaniline	2,500,000	N.D.
Bis(2-chloroethyl)ether	500,000	N.D.	Nitrobenzene	2,500,000	N.D.
Bis(2-chloroisopropyl)ether	500,000	N.D.	2-Nitrophenol	500,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000,000	N.D.	N-Nitrosodiphenylamine	1,000,000	N.D.
4-Bromophenyl phenyl ether	750,000	N.D.	N-Nitroso-di-N-propylamine	750,000	N.D.
Butyl benzyl phthalate	2,500,000	N.D.	Pentachlorophenol	2,500,000	N.D.
4-Chloroaniline	500,000	N.D.	**Phenanthrene**	**500,000**	**610,000**
2-Chloronaphthalene	500,000	N.D.	Phenol	750,000	N.D.
4-Chloro-3-methylphenol	500,000	N.D.	Pyrene	750,000	N.D.
4-Chlorophenyl phenyl ether	500,000	N.D.	1,2,4-Trichlorobenzene	500,000	N.D.
Chrysene	500,000	N.D.	2,4,5-Trichlorophenol	750,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.	2,4,6-Trichlorophenol	750,000	N.D.
Dibenzofuran	500,000	N.D.			
Di-N-butyl phthalate	1,300,000	N.D.			
1,3-Dichlorobenzene	500,000	N.D.			
1,4-Dichlorobenzene	500,000	N.D.			
1,2-Dichlorobenzene	500,000	N.D.			
3,3-Dichlorobenzidine	2,500,000	N.D.			
2,4-Dichlorophenol	500,000	N.D.			
Dimethyl phthalate	500,000	N.D.			
4,6-Dinitro-2-methylphenol	1,300,000	N.D.			
2,4-Dinitrophenol	1,300,000	N.D.			
2,4-Dinitrotoluene	500,000	N.D.			
2,6-Dinitrotoluene	500,000	N.D.			
Di-N-octyl phthalate	2,500,000	N.D.			
Fluoranthene	500,000	N.D.			
Fluorene	500,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-4(FREE)	Extracted:	May 14, 1998
Attention: Richard Scott	Lab Number: HE01502	Analyzed:	May 14, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	500,000	N.D.	Indeno(1,2,3-cd)pyrene	1,000,000	N.D.
Acenaphthylene	500,000	N.D.	Isophorone	500,000	N.D.
Anthracene	500,000	N.D.	**2-Methylnaphthalene**	**500,000**	**1,700,000**
Benz(a)anthracene	500,000	N.D.	2-Methylphenol	750,000	N.D.
Benzo(b)fluoranthene	1,000,000	N.D.	4-Methylphenol	750,000	N.D.
Benzo(k)fluoranthene	1,000,000	N.D.	**Naphthalene**	**750,000**	**840,000**
Benzo(g,h,i)perylene	750,000	N.D.	2-Nitroaniline	1,000,000	N.D.
Benzo(a)pyrene	1,000,000	N.D.	4-Nitroaniline	2,500,000	N.D.
Bis(2-chloroethyl)ether	500,000	N.D.	Nitrobenzene	2,500,000	N.D.
Bis(2-chloroisopropyl)ether	500,000	N.D.	2-Nitrophenol	500,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000,000	N.D.	N-Nitrosodiphenylamine	1,000,000	N.D.
4-Bromophenyl phenyl ether	750,000	N.D.	N-Nitroso-di-N-propylamine	750,000	N.D.
Butyl benzyl phthalate	2,500,000	N.D.	Pentachlorophenol	2,500,000	N.D.
4-Chloroaniline	500,000	N.D.	Phenanthrene	500,000	N.D.
2-Chloronaphthalene	500,000	N.D.	Phenol	750,000	N.D.
4-Chloro-3-methylphenol	500,000	N.D.	Pyrene	750,000	N.D.
4-Chlorophenyl phenyl ether	500,000	N.D.	1,2,4-Trichlorobenzene	500,000	N.D.
Chrysene	500,000	N.D.	2,4,5-Trichlorophenol	750,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.	2,4,6-Trichlorophenol	750,000	N.D.
Dibenzofuran	500,000	N.D.			
Di-N-butyl phthalate	1,300,000	N.D.			
1,3-Dichlorobenzene	500,000	N.D.			
1,4-Dichlorobenzene	500,000	N.D.			
1,2-Dichlorobenzene	500,000	N.D.			
3,3-Dichlorobenzidine	2,500,000	N.D.			
2,4-Dichlorophenol	500,000	N.D.			
Dimethyl phthalate	500,000	N.D.			
4,6-Dinitro-2-methylphenol	1,300,000	N.D.			
2,4-Dinitrophenol	1,300,000	N.D.			
2,4-Dinitrotoluene	500,000	N.D.			
2,6-Dinitrotoluene	500,000	N.D.			
Di-N-octyl phthalate	2,500,000	N.D.			
Fluoranthene	500,000	N.D.			
Fluorene	500,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9(FREE)	Extracted:	May 14, 1998
Attention: Richard Scott	Lab Number: HE01504	Analyzed:	May 14, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	500,000	N.D.
Acenaphthylene	500,000	N.D.
Anthracene	500,000	N.D.
Benz(a)anthracene	500,000	N.D.
Benzo(b)fluoranthene	1,000,000	N.D.
Benzo(k)fluoranthene	1,000,000	N.D.
Benzo(g,h,i)perylene	750,000	N.D.
Benzo(a)pyrene	1,000,000	N.D.
Bis(2-chloroethyl)ether	500,000	N.D.
Bis(2-chloroisopropyl)ether	500,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000,000	N.D.
4-Bromophenyl phenyl ether	750,000	N.D.
Butyl benzyl phthalate	2,500,000	N.D.
4-Chloroaniline	500,000	N.D.
2-Chloronaphthalene	500,000	N.D.
4-Chloro-3-methylphenol	500,000	N.D.
4-Chlorophenyl phenyl ether	500,000	N.D.
Chrysene	500,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.
Dibenzofuran	500,000	N.D.
Di-N-butyl phthalate	1,300,000	N.D.
1,3-Dichlorobenzene	500,000	N.D.
1,4-Dichlorobenzene	500,000	N.D.
1,2-Dichlorobenzene	500,000	N.D.
3,3-Dichlorobenzidine	2,500,000	N.D.
2,4-Dichlorophenol	500,000	N.D.
Dimethyl phthalate	500,000	N.D.
4,6-Dinitro-2-methylphenol	1,300,000	N.D.
2,4-Dinitrophenol	1,300,000	N.D.
2,4-Dinitrotoluene	500,000	N.D.
2,6-Dinitrotoluene	500,000	N.D.
Di-N-octyl phthalate	2,500,000	N.D.
Fluoranthene	500,000	N.D.
Fluorene	500,000	N.D.
Indeno(1,2,3-cd)pyrene	1,000,000	N.D.
Isophorone	500,000	N.D.
2-Methylnaphthalene	**500,000**	**1,800,000**
2-Methylphenol	750,000	N.D.
4-Methylphenol	750,000	N.D.
Naphthalene	**750,000**	**930,000**
2-Nitroaniline	1,000,000	N.D.
4-Nitroaniline	2,500,000	N.D.
Nitrobenzene	2,500,000	N.D.
2-Nitrophenol	500,000	N.D.
N-Nitrosodiphenylamine	1,000,000	N.D.
N-Nitroso-di-N-propylamine	750,000	N.D.
Pentachlorophenol	2,500,000	N.D.
Phenanthrene	500,000	N.D.
Phenol	750,000	N.D.
Pyrene	750,000	N.D.
1,2,4-Trichlorobenzene	500,000	N.D.
2,4,5-Trichlorophenol	750,000	N.D.
2,4,6-Trichlorophenol	750,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid WDI-EX-2
Lab Number: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 13, 1998
Analyzed: May 18, 1998
Reported: May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	200	N.D.	Indeno(1,2,3-cd)pyrene	400	N.D.
Acenaphthylene	200	N.D.	Isophorone	200	N.D.
Anthracene	200	N.D.	2-Methylnaphthalene	200	N.D.
Benz(a)anthracene	200	N.D.	**2-Methylphenol**	**200**	**230**
Benzo(b)fluoranthene	200	N.D.	**4-Methylphenol**	**200**	**2,200**
Benzo(k)fluoranthene	200	N.D.	Naphthalene	200	N.D.
Benzo(g,h,i)perylene	200	N.D.	2-Nitroaniline	400	N.D.
Benzo(a)pyrene	200	N.D.	4-Nitroaniline	2,000	N.D.
Bis(2-chloroethyl)ether	200	N.D.	Nitrobenzene	800	N.D.
Bis(2-chloroisopropyl)ether	200	N.D.	2-Nitrophenol	200	N.D.
Bis(2-ethylhexyl)phthalate	2,000	N.D.	N-Nitrosodiphenylamine	200	N.D.
4-Bromophenyl phenyl ether	200	N.D.	N-Nitroso-di-N-propylamine	200	N.D.
Butyl benzyl phthalate	400	N.D.	Pentachlorophenol	800	N.D.
4-Chloroaniline	200	N.D.	Phenanthrene	200	N.D.
2-Chloronaphthalene	200	N.D.	**Phenol**	**200**	**1,800**
4-Chloro-3-methylphenol	400	N.D.	Pyrene	200	N.D.
4-Chlorophenyl phenyl ether	200	N.D.	1,2,4-Trichlorobenzene	200	N.D.
Chrysene	200	N.D.	2,4,5-Trichlorophenol	400	N.D.
Dibenz(a,h)anthracene	400	N.D.	2,4,6-Trichlorophenol	400	N.D.
Dibenzofuran	200	N.D.			
Di-N-butyl phthalate	400	N.D.			
1,3-Dichlorobenzene	200	N.D.			
1,4-Dichlorobenzene	200	N.D.			
1,2-Dichlorobenzene	200	N.D.			
3,3-Dichlorobenzidine	800	N.D.			
2,4-Dichlorophenol	200	N.D.			
Dimethyl phthalate	200	N.D.			
4,6-Dinitro-2-methylphenol	800	N.D.			
2,4-Dinitrophenol	2,000	N.D.			
2,4-Dinitrotoluene	200	N.D.			
2,6-Dinitrotoluene	200	N.D.			
Di-N-octyl phthalate	800	N.D.			
Fluoranthene	200	N.D.			
Fluorene	200	N.D.			

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	**11%***
Phenol-d6 (10-94)	**16%***
2,4,6-Tribromophenol (10-123)	**16%***
Nitrobenzene-d5 (35-114)	**21%***
2-Fluorobiphenyl (43-116)	**21%***
Terphenyl-d14 (33-141)	**23%***

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-1	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01497	Analyzed:	May 18, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10,000	N.D.	Indeno(1,2,3-cd)pyrene	20,000	N.D.
Acenaphthylene	10,000	N.D.	Isophorone	10,000	N.D.
Anthracene	10,000	N.D.	**2-Methylnaphthalene**	**10,000**	**47,000**
Benz(a)anthracene	10,000	N.D.	2-Methylphenol	10,000	N.D.
Benzo(b)fluoranthene	10,000	N.D.	4-Methylphenol	10,000	N.D.
Benzo(k)fluoranthene	10,000	N.D.	**Naphthalene**	**10,000**	**19,000**
Benzo(g,h,i)perylene	10,000	N.D.	2-Nitroaniline	20,000	N.D.
Benzo(a)pyrene	10,000	N.D.	4-Nitroaniline	100,000	N.D.
Bis(2-chloroethyl)ether	10,000	N.D.	Nitrobenzene	40,000	N.D.
Bis(2-chloroisopropyl)ether	10,000	N.D.	2-Nitrophenol	10,000	N.D.
Bis(2-ethylhexyl)phthalate	100,000	N.D.	N-Nitrosodiphenylamine	10,000	N.D.
4-Bromophenyl phenyl ether	10,000	N.D.	N-Nitroso-di-N-propylamine	10,000	N.D.
Butyl benzyl phthalate	20,000	N.D.	Pentachlorophenol	40,000	N.D.
4-Chloroaniline	10,000	N.D.	Phenanthrene	10,000	N.D.
2-Chloronaphthalene	10,000	N.D.	Phenol	10,000	N.D.
4-Chloro-3-methylphenol	20,000	N.D.	Pyrene	10,000	N.D.
4-Chlorophenyl phenyl ether	10,000	N.D.	1,2,4-Trichlorobenzene	10,000	N.D.
Chrysene	10,000	N.D.	2,4,5-Trichlorophenol	20,000	N.D.
Dibenz(a,h)anthracene	20,000	N.D.	2,4,6-Trichlorophenol	20,000	N.D.
Dibenzofuran	10,000	N.D.			
Di-N-butyl phthalate	20,000	N.D.			
1,3-Dichlorobenzene	10,000	N.D.			
1,4-Dichlorobenzene	10,000	N.D.			
1,2-Dichlorobenzene	10,000	N.D.			
3,3-Dichlorobenzidine	40,000	N.D.			
2,4-Dichlorophenol	10,000	N.D.			
Dimethyl phthalate	10,000	N.D.			
4,6-Dinitro-2-methylphenol	40,000	N.D.			
2,4-Dinitrophenol	100,000	N.D.			
2,4-Dinitrotoluene	10,000	N.D.			
2,6-Dinitrotoluene	10,000	N.D.			
Di-N-octyl phthalate	40,000	N.D.			
Fluoranthene	10,000	N.D.			
Fluorene	10,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 1000.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-2
Lab Number: HE01499

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 13, 1998
Analyzed: May 19, 1998
Reported: May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	1,000	N.D.	Indeno(1,2,3-cd)pyrene	2,000	N.D.
Acenaphthylene	1,000	N.D.	Isophorone	1,000	N.D.
Anthracene	1,000	N.D.	**2-Methylnaphthalene**	**1,000**	**1,700**
Benz(a)anthracene	1,000	N.D.	2-Methylphenol	1,000	N.D.
Benzo(b)fluoranthene	1,000	N.D.	**4-Methylphenol**	**1,000**	**6,700**
Benzo(k)fluoranthene	1,000	N.D.	**Naphthalene**	**1,000**	**1,200**
Benzo(g,h,i)perylene	1,000	N.D.	2-Nitroaniline	2,000	N.D.
Benzo(a)pyrene	1,000	N.D.	4-Nitroaniline	10,000	N.D.
Bis(2-chloroethyl)ether	1,000	N.D.	Nitrobenzene	4,000	N.D.
Bis(2-chloroisopropyl)ether	1,000	N.D.	2-Nitrophenol	1,000	N.D.
Bis(2-ethylhexyl)phthalate	10,000	N.D.	N-Nitrosodiphenylamine	1,000	N.D.
4-Bromophenyl phenyl ether	1,000	N.D.	N-Nitroso-di-N-propylamine	1,000	N.D.
Butyl benzyl phthalate	2,000	N.D.	Pentachlorophenol	4,000	N.D.
4-Chloroaniline	1,000	N.D.	Phenanthrene	1,000	N.D.
2-Chloronaphthalene	1,000	N.D.	**Phenol**	**1,000**	**7,200**
4-Chloro-3-methylphenol	2,000	N.D.	Pyrene	1,000	N.D.
4-Chlorophenyl phenyl ether	1,000	N.D.	1,2,4-Trichlorobenzene	1,000	N.D.
Chrysene	1,000	N.D.	2,4,5-Trichlorophenol	2,000	N.D.
Dibenz(a,h)anthracene	2,000	N.D.	2,4,6-Trichlorophenol	2,000	N.D.
Dibenzofuran	1,000	N.D.			
Di-N-butyl phthalate	2,000	N.D.			
1,3-Dichlorobenzene	1,000	N.D.			
1,4-Dichlorobenzene	1,000	N.D.			
1,2-Dichlorobenzene	1,000	N.D.			
3,3-Dichlorobenzidine	4,000	N.D.			
2,4-Dichlorophenol	1,000	N.D.			
Dimethyl phthalate	1,000	N.D.			
4,6-Dinitro-2-methylphenol	4,000	N.D.			
2,4-Dinitrophenol	10,000	N.D.			
2,4-Dinitrotoluene	1,000	N.D.			
2,6-Dinitrotoluene	1,000	N.D.			
Di-N-octyl phthalate	4,000	N.D.			
Fluoranthene	1,000	N.D.			
Fluorene	1,000	N.D.			

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	53%
Phenol-d6 (10-94)	**97%***
2,4,6-Tribromophenol (10-123)	97%
Nitrobenzene-d5 (35-114)	**122%***
2-Fluorobiphenyl (43-116)	110%
Terphenyl-d14 (33-141)	105%

Pat Abe
Project Manager

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2405 W. 12th St. Suite 1 Tempe AZ 85281 (602) 968-8272 FAX (602) 968-5401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-3	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01501	Analyzed:	May 19, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	1,000	N.D.	Indeno(1,2,3-cd)pyrene	2,000	N.D.
Acenaphthylene	1,000	N.D.	Isophorone	1,000	N.D.
Anthracene	1,000	N.D.	**2-Methylnaphthalene**	**1,000**	**3,900**
Benz(a)anthracene	1,000	N.D.	2-Methylphenol	1,000	N.D.
Benzo(b)fluoranthene	1,000	N.D.	4-Methylphenol	1,000	N.D.
Benzo(k)fluoranthene	1,000	N.D.	**Naphthalene**	**1,000**	**1,600**
Benzo(g,h,i)perylene	1,000	N.D.	2-Nitroaniline	2,000	N.D.
Benzo(a)pyrene	1,000	N.D.	4-Nitroaniline	10,000	N.D.
Bis(2-chloroethyl)ether	1,000	N.D.	Nitrobenzene	4,000	N.D.
Bis(2-chloroisopropyl)ether	1,000	N.D.	2-Nitrophenol	1,000	N.D.
Bis(2-ethylhexyl)phthalate	10,000	N.D.	N-Nitrosodiphenylamine	1,000	N.D.
4-Bromophenyl phenyl ether	1,000	N.D.	N-Nitroso-di-N-propylamine	1,000	N.D.
Butyl benzyl phthalate	2,000	N.D.	Pentachlorophenol	4,000	N.D.
4-Chloroaniline	1,000	N.D.	Phenanthrene	1,000	N.D.
2-Chloronaphthalene	1,000	N.D.	**Phenol**	**1,000**	**1,100**
4-Chloro-3-methylphenol	2,000	N.D.	Pyrene	1,000	N.D.
4-Chlorophenyl phenyl ether	1,000	N.D.	1,2,4-Trichlorobenzene	1,000	N.D.
Chrysene	1,000	N.D.	2,4,5-Trichlorophenol	2,000	N.D.
Dibenz(a,h)anthracene	2,000	N.D.	2,4,6-Trichlorophenol	2,000	N.D.
Dibenzofuran	1,000	N.D.			
Di-N-butyl phthalate	2,000	N.D.			
1,3-Dichlorobenzene	1,000	N.D.			
1,4-Dichlorobenzene	1,000	N.D.			
1,2-Dichlorobenzene	1,000	N.D.			
3,3-Dichlorobenzidine	4,000	N.D.			
2,4-Dichlorophenol	1,000	N.D.			
Dimethyl phthalate	1,000	N.D.			
4,6-Dinitro-2-methylphenol	4,000	N.D.			
2,4-Dinitrophenol	10,000	N.D.			
2,4-Dinitrotoluene	1,000	N.D.			
2,6-Dinitrotoluene	1,000	N.D.			
Di-N-octyl phthalate	4,000	N.D.			
Fluoranthene	1,000	N.D.			
Fluorene	1,000	N.D.			

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	25%
Phenol-d6 (10-94)	33%
2,4,6-Tribromophenol (10-123)	87%
Nitrobenzene-d5 (35-114)	**172%***
2-Fluorobiphenyl (43-116)	96%
Terphenyl-d14 (33-141)	95%

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-4
Lab Number: HE01503

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 13, 1998
Analyzed: May 19, 1998
Reported: May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50,000	N.D.
Acenaphthylene	50,000	N.D.
Anthracene	50,000	N.D.
Benz(a)anthracene	50,000	N.D.
Benzo(b)fluoranthene	50,000	N.D.
Benzo(k)fluoranthene	50,000	N.D.
Benzo(g,h,i)perylene	50,000	N.D.
Benzo(a)pyrene	50,000	N.D.
Bis(2-chloroethyl)ether	50,000	N.D.
Bis(2-chloroisopropyl)ether	50,000	N.D.
Bis(2-ethylhexyl)phthalate	500,000	N.D.
4-Bromophenyl phenyl ether	50,000	N.D.
Butyl benzyl phthalate	100,000	N.D.
4-Chloroaniline	50,000	N.D.
2-Chloronaphthalene	50,000	N.D.
4-Chloro-3-methylphenol	100,000	N.D.
4-Chlorophenyl phenyl ether	50,000	N.D.
Chrysene	50,000	N.D.
Dibenz(a,h)anthracene	100,000	N.D.
Dibenzofuran	50,000	N.D.
Di-N-butyl phthalate	100,000	N.D.
1,3-Dichlorobenzene	50,000	N.D.
1,4-Dichlorobenzene	50,000	N.D.
1,2-Dichlorobenzene	50,000	N.D.
3,3-Dichlorobenzidine	200,000	N.D.
2,4-Dichlorophenol	50,000	N.D.
Dimethyl phthalate	50,000	N.D.
4,6-Dinitro-2-methylphenol	200,000	N.D.
2,4-Dinitrophenol	500,000	N.D.
2,4-Dinitrotoluene	50,000	N.D.
2,6-Dinitrotoluene	50,000	N.D.
Di-N-octyl phthalate	200,000	N.D.
Fluoranthene	50,000	N.D.
Fluorene	50,000	N.D.
Indeno(1,2,3-cd)pyrene	100,000	N.D.
Isophorone	50,000	N.D.
2-Methylnaphthalene	**50,000**	**180,000**
2-Methylphenol	50,000	N.D.
4-Methylphenol	50,000	N.D.
Naphthalene	**50,000**	**89,000**
2-Nitroaniline	100,000	N.D.
4-Nitroaniline	500,000	N.D.
Nitrobenzene	200,000	N.D.
2-Nitrophenol	50,000	N.D.
N-Nitrosodiphenylamine	50,000	N.D.
N-Nitroso-di-N-propylamine	50,000	N.D.
Pentachlorophenol	200,000	N.D.
Phenanthrene	50,000	N.D.
Phenol	50,000	N.D.
Pyrene	50,000	N.D.
1,2,4-Trichlorobenzene	50,000	N.D.
2,4,5-Trichlorophenol	100,000	N.D.
2,4,6-Trichlorophenol	100,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-VW-9	Extracted:	May 13, 1998
Attention: Richard Scott	Lab Number: HE01505	Analyzed:	May 19, 1998
		Reported:	May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	25,000	N.D.	Indeno(1,2,3-cd)pyrene	50,000	N.D.
Acenaphthylene	25,000	N.D.	Isophorone	25,000	N.D.
Anthracene	25,000	N.D.	**2-Methylnaphthalene**	**25,000**	**62,000**
Benz(a)anthracene	25,000	N.D.	2-Methylphenol	25,000	N.D.
Benzo(b)fluoranthene	25,000	N.D.	4-Methylphenol	25,000	N.D.
Benzo(k)fluoranthene	25,000	N.D.	**Naphthalene**	**25,000**	**32,000**
Benzo(g,h,i)perylene	25,000	N.D.	2-Nitroaniline	50,000	N.D.
Benzo(a)pyrene	25,000	N.D.	4-Nitroaniline	250,000	N.D.
Bis(2-chloroethyl)ether	25,000	N.D.	Nitrobenzene	100,000	N.D.
Bis(2-chloroisopropyl)ether	25,000	N.D.	2-Nitrophenol	25,000	N.D.
Bis(2-ethylhexyl)phthalate	250,000	N.D.	N-Nitrosodiphenylamine	25,000	N.D.
4-Bromophenyl phenyl ether	25,000	N.D.	N-Nitroso-di-N-propylamine	25,000	N.D.
Butyl benzyl phthalate	50,000	N.D.	Pentachlorophenol	100,000	N.D.
4-Chloroaniline	25,000	N.D.	Phenanthrene	25,000	N.D.
2-Chloronaphthalene	25,000	N.D.	Phenol	25,000	N.D.
4-Chloro-3-methylphenol	50,000	N.D.	Pyrene	25,000	N.D.
4-Chlorophenyl phenyl ether	25,000	N.D.	1,2,4-Trichlorobenzene	25,000	N.D.
Chrysene	25,000	N.D.	2,4,5-Trichlorophenol	50,000	N.D.
Dibenz(a,h)anthracene	50,000	N.D.	2,4,6-Trichlorophenol	50,000	N.D.
Dibenzofuran	25,000	N.D.			
Di-N-butyl phthalate	50,000	N.D.			
1,3-Dichlorobenzene	25,000	N.D.			
1,4-Dichlorobenzene	25,000	N.D.			
1,2-Dichlorobenzene	25,000	N.D.			
3,3-Dichlorobenzidine	100,000	N.D.			
2,4-Dichlorophenol	25,000	N.D.			
Dimethyl phthalate	25,000	N.D.			
4,6-Dinitro-2-methylphenol	100,000	N.D.			
2,4-Dinitrophenol	250,000	N.D.			
2,4-Dinitrotoluene	25,000	N.D.			
2,6-Dinitrotoluene	25,000	N.D.			
Di-N-octyl phthalate	100,000	N.D.			
Fluoranthene	25,000	N.D.			
Fluorene	25,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2500.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-EX-2
Lab Number: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	1.6	HE19ME3W	5/21/98
Antimony	EPA 6010	0.050	5.0	0.080	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.025	5.0	0.097	HE19ME3W	5/21/98
Barium	EPA 6010	0.050	5.0	0.29	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	0.50	5.0	120	HE19ME3W	5/21/98
Chromium, total	EPA 6010	0.025	5.0	2.1	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.10	5.0	12	HE19ME3W	5/21/98
Lead	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.10	5.0	1.2	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Liquid, WDI-EX-2
Lab Number: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.26	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00060	3.0	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.050	5.0	1.5	HE19ME3W	5/21/98
Selenium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	500	1,000	1,600	HE19ME3W	5/22/98
Thallium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Zinc	EPA 6010	0.10	5.0	0.10	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-P-1
Lab Number: HE01497

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	10	HE19ME3W	5/21/98
Antimony	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.025	5.0	0.15	HE19ME3W	5/21/98
Barium	EPA 6010	0.050	5.0	0.56	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	0.50	5.0	77	HE19ME3W	5/21/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.10	5.0	15	HE19ME3W	5/21/98
Lead	EPA 6010	0.025	5.0	0.065	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.10	5.0	14	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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[illegible] Suite 1, Tempe, AZ 85281 [illegible]

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-P-1
Lab Number: HE01497

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	1.7	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00060	3.0	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.050	5.0	0.098	HE19ME3W	5/21/98
Selenium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	50	100	910	HE19ME3W	5/22/98
Thallium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.050	5.0	0.076	HE19ME3W	5/21/98
Zinc	EPA 6010	0.10	5.0	0.17	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-P-2
Lab Number: HE01499

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	2.1	HE19ME3W	5/21/98
Antimony	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.025	5.0	0.27	HE19ME3W	5/21/98
Barium	EPA 6010	0.050	5.0	0.17	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	0.50	5.0	140	HE19ME3W	5/21/98
Chromium, total	EPA 6010	0.025	5.0	0.051	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.10	5.0	2.8	HE19ME3W	5/21/98
Lead	EPA 6010	0.025	5.0	0.040	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.100	5.0	1.2	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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[illegible] 12th St. Suite 1 Tempe AZ [illegible] [illegible] FAX [illegible]

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Liquid, WDI-P-2
Lab Number: HE01499

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.058	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00060	3.0	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.050	5.0	0.32	HE19ME3W	5/21/98
Selenium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	500	1,000	1,300	HE19ME3W	5/22/98
Thallium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.050	5.0	0.34	HE19ME3W	5/21/98
Zinc	EPA 6010	0.10	5.0	N.D.	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-P-3
Lab Number: HE01501

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	1.0	20	73	HE19ME3W	5/21/98
Antimony	EPA 6010	0.050	5.0	0.061	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.025	5.0	0.16	HE19ME3W	5/21/98
Barium	EPA 6010	0.050	5.0	4.5	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	1.0	10	290	HE19ME3W	5/20/98
Chromium, total	EPA 6010	0.025	5.0	0.96	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.40	20	120	HE19ME3W	5/21/98
Lead	EPA 6010	0.025	5.0	2.1	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.10	5.0	100	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Liquid, WDI-P-3
Lab Number: HE01501

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	3.7	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00060	3.0	0.0011	HE15HG1W	5/15/98
Nickel	EPA 6010	0.050	5.0	0.29	HE19ME3W	5/21/98
Selenium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	50	100	570	HE19ME3W	5/22/98
Thallium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.050	5.0	0.26	HE19ME3W	5/21/98
Zinc	EPA 6010	0.10	5.0	3.1	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-P-4
Lab Number: HE01503

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	11	HE19ME3W	5/21/98
Antimony	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.025	5.0	0.25	HE19ME3W	5/21/98
Barium	EPA 6010	0.050	5.0	0.55	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	0.50	5.0	170	HE19ME3W	5/21/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.10	5.0	19	HE19ME3W	5/21/98
Lead	EPA 6010	0.025	5.0	0.025	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.10	5.0	30	HE19ME3W	5/21/98

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Liquid, WDI-P-4
Lab Number: HE01503

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.91	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00060	3.0	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.050	5.0	0.11	HE19ME3W	5/21/98
Selenium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	500	1,000	1,400	HE19ME3W	5/22/98
Thallium	EPA 6010	0.025	5.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.050	5.0	0.067	HE19ME3W	5/21/98
Zinc	EPA 6010	0.10	5.0	0.18	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-VW-9
Lab Number: HE01505

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.50	10	2.9	HE19ME3W	5/22/98
Antimony	EPA 6010	0.10	10	N.D.	HE19ME3W	5/22/98
Arsenic	EPA 6010	0.050	10	0.17	HE19ME3W	5/22/98
Barium	EPA 6010	0.10	10	0.97	HE19ME3W	5/22/98
Beryllium	EPA 6010	0.020	10	N.D.	HE19ME3W	5/22/98
Cadmium	EPA 6010	0.050	10	N.D.	HE19ME3W	5/22/98
Calcium	EPA 6010	1.0	10	59	HE19ME3W	5/22/98
Chromium, total	EPA 6010	0.050	10	0.074	HE19ME3W	5/22/98
Cobalt	EPA 6010	0.10	10	N.D.	HE19ME3W	5/22/98
Iron	EPA 6010	0.20	10	12	HE19ME3W	5/22/98
Lead	EPA 6010	0.050	10	0.72	HE19ME3W	5/22/98
Magnesium	EPA 6010	0.20	10	2.9	HE19ME3W	5/22/98

Analytes reported as N.D. were not present at or above the reporting limit.

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2465 W. 12th St. Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256

Sample Descript: Liquid, WDI-VW-9
Lab Number: HE01505

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.20	10	0.18	HE19ME3W	5/22/98
Mercury	EPA 7470	0.0030	15	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.10	10	0.27	HE19ME3W	5/22/98
Selenium	EPA 6010	0.050	10	N.D.	HE19ME3W	5/22/98
Sodium	EPA 6010	50	100	700	HE19ME2W	5/22/98
Thallium	EPA 6010	0.050	10	N.D.	HE19ME3W	5/22/98
Vanadium	EPA 6010	0.10	10	0.15	HE19ME3W	5/22/98
Zinc	EPA 6010	0.20	10	0.48	HE19ME3W	5/22/98

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Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Product, WDI-P-1(FREE)
Lab Number: HE01496

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	58	HE20ME1S	5/20/98
Antimony	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Barium	EPA 6010	1.0	1.0	1.5	HE20ME1S	5/20/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Calcium	EPA 6010	10	1.0	180	HE20ME1S	5/20/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Iron	EPA 6010	5.0	1.0	14	HE20ME1S	5/20/98
Lead	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Magnesium	EPA 6010	10	1.0	24	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1(FREE)	Reported:	May 28, 1998
Attention: Richard Scott	Lab Number: HE01496		

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	2.5	HE20ME1S	5/20/98
Mercury	EPA 7470	0.020	1.0	N.D.	HE20HG1S	5/20/98
Nickel	EPA 6010	1.0	1.0	2.5	HE20ME1S	5/20/98
Selenium	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Sodium	EPA 6010	100	10	770	HE20ME1S	5/22/98
Thallium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Vanadium	EPA 6010	1.0	1.0	1.1	HE20ME1S	5/20/98
Zinc	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Product, WDI-P-4(FREE)
Lab Number: HE01502

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

METALS

Analyte	Method	Reporting mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Antimony	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Barium	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Calcium	EPA 6010	10	1.0	150	HE20ME1S	5/20/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Iron	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98
Lead	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Magnesium	EPA 6010	10	1.0	22	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received:	May 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-4(FREE)	Reported:	May 28, 1998
Attention: Richard Scott	Lab Number: HE01502		

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Mercury	EPA 7470	0.020	1.0	N.D.	HE20HG1S	5/20/98
Nickel	EPA 6010	1.0	1.0	1.4	HE20ME1S	5/20/98
Selenium	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Sodium	EPA 6010	100	10	1,100	HE20ME1S	5/22/98
Thallium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Zinc	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Product, WDI-VW-9(FREE)
Lab Number: HE01504

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

METALS

Analyte	Method	Reporting mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	15	HE20ME1S	5/21/98
Antimony	EPA 6010	10	1.0	N.D.	HE20ME1S	5/21/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/21/98
Barium	EPA 6010	1.0	1.0	2.0	HE20ME1S	5/21/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/21/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/21/98
Calcium	EPA 6010	10	1.0	32	HE20ME1S	5/21/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/21/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/21/98
Iron	EPA 6010	5.0	1.0	16	HE20ME1S	5/21/98
Lead	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/21/98
Magnesium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Product, WDI-VW-9(FREE)
Lab Number: HE01504

Sampled: May 11, 1998
Received: May 11, 1998
Reported: May 28, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Mercury	EPA 7470	0.020	1.0	N.D.	HE20HG1S	5/20/98
Nickel	EPA 6010	1.0	1.0	1.8	HE20ME1S	5/20/98
Selenium	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Sodium	EPA 6010	100	10	660	HE20ME1S	5/22/98
Thallium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Vanadium	EPA 6010	1.0	1.0	1.1	HE20ME1S	5/20/98
Zinc	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-EX-2
Lab Number: HE01495

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 12-19, 1998
Analyzed: May 12-21, 1998
Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	1,000
Hardness	SM 2340B	5.0	300
pH (pH Units)	SW 9040A	N.A.	10
Total Alkalinity	EPA 310.1	2.0	1,000
Total Dissolved Solids	EPA 160.1	10	5,800
Total Suspended Solids	EPA 160.2	10	110

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions	Client Project ID: 94-256		Sampled: May 11, 1998
21 Technology Drive		Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript:	Liquid, WDI-P-1	Extracted: May 12-19, 1998
Attention: Richard Scott	Lab Number:	HE01497	Analyzed: May 12-21, 1998
			Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	950
Hardness	SM 2340B	1.0	250
pH (pH Units)	SW 9040A	N.A.	8.0
Total Alkalinity	EPA 310.1	2.0	950
Total Dissolved Solids	EPA 160.1	10	3,300
Total Suspended Solids	EPA 160.2	10	1,200

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-2
Lab Number: HE01499

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 12-19, 1998
Analyzed: May 12-21, 1998
Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	1,400
Hardness	SM 2340B	1.0	350
pH (pH Units)	SW 9040A	N.A.	9.8
Total Alkalinity	EPA 310.1	2.0	1,400
Total Dissolved Solids	EPA 160.1	10	5,200
Total Suspended Solids	EPA 160.2	10	130

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-P-3	Extracted: May 12-19, 1998
Attention: Richard Scott	Lab Number: HE01501	Analyzed: May 12-21, 1998
		Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	1,000
Hardness	SM 2340B	10	1,100
pH (pH Units)	SW 9040A	N.A.	7.9
Total Alkalinity	EPA 310.1	2.0	1,000
Total Dissolved Solids	EPA 160.1	10	2,800
Total Suspended Solids	EPA 160.2	10	1,700

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Waste Disposal Inc.
Sample Descript: Liquid, WDI-P-4
Lab Number: HE01503

Sampled: May 11, 1998
Received: May 11, 1998
Extracted: May 12-19, 1998
Analyzed: May 12-21, 1998
Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	270
Hardness	SM 2340B	5.0	550
pH (pH Units)	SW 9040A	N.A.	8.8
Total Alkalinity	EPA 310.1	2.0	270
Total Dissolved Solids	EPA 160.1	10	14,000
Total Suspended Solids	EPA 160.2	10	2,300

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: May 11, 1998
21 Technology Drive	Waste Disposal Inc.	Received: May 11, 1998
Irvine, CA 92618	Sample Descript: Liquid, WDI-VW-9	Extracted: May 12-19, 1998
Attention: Richard Scott	Lab Number: HE01505	Analyzed: May 12-21, 1998
		Reported: May 28, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	880
Hardness	SM 2340B	10	160
pH (pH Units)	SW 9040A	N.A.	8.8
Total Alkalinity	EPA 310.1	2.0	880
Total Dissolved Solids	EPA 160.1	10	7,000
Total Suspended Solids	EPA 160.2	10	16,000

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-5460

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 21, 1998
Analyzed: May 21, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and/or other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 21, 1998
Analyzed: May 21, 1998
Reported: May 28, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 13, 1998
Analyzed: May 18, 1998
Reported: Jun 4, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.
PCB-1016	1.0	N.D.
PCB-1221	1.0	N.D.
PCB-1232	1.0	N.D.
PCB-1242	1.0	N.D.
PCB-1248	1.0	N.D.
PCB-1254	1.0	N.D.
PCB-1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	82%
Decachlorobiphenyl (30-130)	30%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 19, 1998
Analyzed: May 19, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	111%
Toluene-d8 (88-110)	107%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 20, 1998
Analyzed: May 20, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	99%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	94%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 21, 1998
Analyzed: May 21, 1998
Reported: May 28, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	106%
Toluene-d8 (88-110)	109%
4-Bromofluorobenzene (86-115)	107%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: May 13, 1998
Analyzed: May 18, 1998
Reported: May 28, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Acenaphthylene	10	N.D.	Isophorone	10	N.D.
Anthracene	10	N.D.	2-Methylnaphthalene	10	N.D.
Benz(a)anthracene	10	N.D.	2-Methylphenol	10	N.D.
Benzo(b)fluoranthene	10	N.D.	4-Methylphenol	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Naphthalene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	2-Nitroaniline	20	N.D.
Benzo(a)pyrene	10	N.D.	4-Nitroaniline	100	N.D.
Bis(2-chloroethyl)ether	10	N.D.	Nitrobenzene	40	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Nitrophenol	10	N.D.
Bis(2-ethylhexyl)phthalate	100	N.D.	N-Nitrosodiphenylamine	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Butyl benzyl phthalate	20	N.D.	Pentachlorophenol	40	N.D.
4-Chloroaniline	10	N.D.	Phenanthrene	10	N.D.
2-Chloronaphthalene	10	N.D.	Phenol	10	N.D.
4-Chloro-3-methylphenol	20	N.D.	Pyrene	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
Chrysene	10	N.D.	2,4,5-Trichlorophenol	20	N.D.
Dibenz(a,h)anthracene	20	N.D.	2,4,6-Trichlorophenol	20	N.D.
Dibenzofuran	10	N.D.			
Di-N-butyl phthalate	20	N.D.			
1,3-Dichlorobenzene	10	N.D.			
1,4-Dichlorobenzene	10	N.D.			
1,2-Dichlorobenzene	10	N.D.			
3,3-Dichlorobenzidine	40	N.D.			
2,4-Dichlorophenol	10	N.D.			
Dimethyl phthalate	10	N.D.			
4,6-Dinitro-2-methylphenol	40	N.D.			
2,4-Dinitrophenol	100	N.D.			
2,4-Dinitrotoluene	10	N.D.			
2,6-Dinitrotoluene	10	N.D.			
Di-N-octyl phthalate	40	N.D.			
Fluoranthene	10	N.D.			
Fluorene	10	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	52%
Phenol-d6 (10-94)	56%
2,4,6-Tribromophenol (10-123)	88%
Nitrobenzene-d5 (35-114)	61%
2-Fluorobiphenyl (43-116)	69%
Terphenyl-d14 (33-141)	96%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	N.D.	HE19ME3W	5/21/98
Antimony	EPA 6010	0.010	1.0	N.D.	HE19ME3W	5/21/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Barium	EPA 6010	0.010	1.0	N.D.	HE19ME3W	5/21/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	HE19ME3W	5/21/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Calcium	EPA 6010	0.10	1.0	N.D.	HE19ME3W	5/21/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Cobalt	EPA 6010	0.010	1.0	N.D.	HE19ME3W	5/21/98
Iron	EPA 6010	0.020	1.0	N.D.	HE19ME3W	5/21/98
Lead	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Magnesium	EPA 6010	0.020	1.0	N.D.	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: May 28, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	N.D.	HE19ME3W	5/21/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HE15HG1W	5/15/98
Nickel	EPA 6010	0.010	1.0	N.D.	HE19ME3W	5/21/98
Selenium	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Sodium	EPA 6010	0.50	1.0	N.D.	HE19ME3W	5/21/98
Thallium	EPA 6010	0.0050	1.0	N.D.	HE19ME3W	5/21/98
Vanadium	EPA 6010	0.010	1.0	N.D.	HE19ME3W	5/21/98
Zinc	EPA 6010	0.020	1.0	N.D.	HE19ME3W	5/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Method Blank

Reported: May 28, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Antimony	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Barium	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HE20ME1S	5/20/98
Calcium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Iron	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98
Lead	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Magnesium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98

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Method Blank

Reported: May 28, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Mercury	EPA 7470	0.020	1.0	N.D.	HE20HG1S	5/20/98
Nickel	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Selenium	EPA 6010	2.0	1.0	N.D.	HE20ME1S	5/20/98
Sodium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/22/98
Thallium	EPA 6010	10	1.0	N.D.	HE20ME1S	5/20/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HE20ME1S	5/20/98
Zinc	EPA 6010	5.0	1.0	N.D.	HE20ME1S	5/20/98

Analytes reported as N.D. were not present at or above the reporting limit.

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 5/18/98

Sample: HE02139

Batch: HE18081W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	2.1	25	22	22	80%	80%	0.0%	80%	20	25-190
1,1-Dichloroethene	26	25	54	51	114%	102%	5.7%	108%	50	45-165
MTBE	0	25	28	28	112%	112%	0.0%	112%	25	60-150
1,1-Dichlororethane	40	25	71	66	125%	105%	7.3%	115%	20	55-160
Chloroform	0.1	25	26	25	104%	100%	3.9%	102%	20	60-150
1,2-Dichlororethane	0.4	25	25	25	98%	98%	0.0%	98%	20	40-160
Benzene	0.1	25	25	24	100%	96%	4.1%	98%	20	65-140
Trichloroethene	61	25	90	83	117%	89%	8.1%	103%	20	65-130
Toluene	16	25	44	40	112%	96%	9.5%	104%	20	70-135
Tetrachloroethene	0.2	25	26	25	103%	99%	3.9%	101%	20	50-155
Chlorobenzene	0	25	26	25	104%	100%	3.9%	102%	20	75-130
Ethylbenzene	0	25	26	25	104%	100%	3.9%	102%	20	70-135
m,p-Xylenes	2.3	50	54	51	103%	97%	5.7%	100%	20	65-140
o-Xylene	0.8	25	26	26	101%	101%	0.0%	101%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 5/20/98

Sample: HE02071

Batch: HE20071W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0	25	21	20	84%	80%	4.9%	82%	20	25-190
1,1-Dichloroethene	0	25	27	27	108%	108%	0.0%	108%	50	45-165
MTBE	0	25	27	29	108%	116%	7.1%	112%	25	60-150
1,1-Dichlororethane	0	25	29	28	116%	112%	3.5%	114%	20	55-160
Chloroform	0	25	28	28	112%	112%	0.0%	112%	20	60-150
1,2-Dichlororethane	0	25	27	28	108%	112%	3.6%	110%	20	40-160
Benzene	0	25	28	27	112%	108%	3.6%	110%	20	65-140
Trichloroethene	0	25	26	25	104%	100%	3.9%	102%	20	65-130
Toluene	0	25	26	26	104%	104%	0.0%	104%	20	70-135
Tetrachloroethene	0	25	25	25	100%	100%	0.0%	100%	20	50-155
Chlorobenzene	0	25	25	25	100%	100%	0.0%	100%	20	75-130
Ethylbenzene	0	25	26	25	104%	100%	3.9%	102%	20	70-135
m,p-Xylenes	0	50	51	51	102%	102%	0.0%	102%	20	65-140
o-Xylene	0	25	26	26	104%	104%	0.0%	104%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 5/19/98

Sample: HE02134

Batch: HE19011W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0	25	20	19	80%	76%	5.1%	78%	20	25-190
1,1-Dichloroethene	0.4	25	25	24	98%	94%	4.1%	96%	50	45-165
MTBE	0	25	25	24	100%	96%	4.1%	98%	25	60-150
1,1-Dichlororethane	0	25	24	23	96%	92%	4.3%	94%	20	55-160
Chloroform	0	25	24	23	96%	92%	4.3%	94%	20	60-150
1,2-Dichlororethane	0.1	25	24	23	96%	92%	4.3%	94%	20	40-160
Benzene	0	25	23	22	92%	88%	4.4%	90%	20	65-140
Trichloroethene	4.9	25	29	27	96%	88%	7.1%	92%	20	65-130
Toluene	0	25	24	22	96%	88%	8.7%	92%	20	70-135
Totrachloroethene	0	25	25	24	100%	96%	4.1%	98%	20	50-155
Chlorobenzene	0	25	24	23	96%	92%	4.3%	94%	20	75-130
Ethylbenzene	0	25	25	23	100%	92%	8.3%	96%	20	70-135
m,p-Xylenes	0	50	49	46	98%	92%	6.3%	95%	20	65-140
o-Xylene	0	25	24	23	96%	92%	4.3%	94%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 5/21/98

Sample: HE02420

Batch: HE21011W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0	25	21	23	84%	92%	9.1%	88%	20	25-190
1,1-Dichloroethene	0	25	25	27	100%	108%	7.7%	104%	50	45-165
MTBE	0	25	25	30	100%	120%	18%	110%	25	60-150
1,1-Dichlororethane	0	25	25	27	100%	108%	7.7%	104%	20	55-160
Chloroform	2.4	25	28	30	102%	110%	6.9%	106%	20	60-150
1,2-Dichlororethane	0	25	24	28	96%	112%	15%	104%	20	40-160
Benzene	0	25	24	26	96%	104%	8.0%	100%	20	65-140
[illegible]ichloroethene	0	25	24	26	96%	104%	8.0%	100%	20	65-130
[illegible]oluene	0	25	25	26	100%	104%	3.9%	102%	20	70-135
Tetrachloroethene	0	25	26	28	104%	112%	7.4%	108%	20	50-155
Chlorobenzene	0	25	25	27	100%	108%	7.7%	104%	20	75-130
Ethylbenzene	0	25	25	27	100%	108%	7.7%	104%	20	70-135
m,p-Xylenes	0	50	49	53	98%	106%	7.8%	102%	20	65-140
o-Xylene	0	25	25	27	100%	108%	7.7%	104%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 8270
Matrix: Water

Date: 5/13/98

Sample: LCS/LCSD *

Batch: HE13SE1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Phenol	0	50	19	24	38%	48%	23%	43%	35	10-112
2-Chlorophenol	0	50	18	24	36%	48%	29%	42%	50	23-134
1,4-Dichlorobenzene	0	50	16	22	32%	44%	32%	38%	27	20-124
N-Nitroso-di-n-propylamine	0	50	24	28	48%	56%	15%	52%	38	41-126
1,2,4-Trichlorobenzene	0	50	22	28	44%	56%	24%	50%	38	44-142
4-Chloro-3-methylphenol	0	50	28	33	56%	66%	16%	61%	33	22-147
Acenaphthene	0	50	30	34	60%	68%	13%	64%	19	47-145
2,4-Dinitrotoluene	0	50	30	34	60%	68%	13%	64%	47	39-139
4-Nitrophenol	0	50	24	28	48%	56%	15%	52%	50	10-132
Pentachlorophenol	0	50	32	34	64%	68%	6.1%	66%	47	17-109
Pyrene	0	50	44	44	88%	88%	0%	88%	36	52-115

* LCS/LCSD performed in lieu of MS/MSD due to insufficient amount of sample provided.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 8081
Matrix: Water

Date Analyzed: 5/18/98

Sample: LCS/LCSD *

Batch: HE13PE1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
DDE	0	0.50	0.36	0.38	72%	76%	5.4%	74%	50	60-140
DDD	0	0.50	0.39	0.41	78%	82%	5.0%	80%	50	60-140
DDT	0	0.50	0.39	0.41	78%	82%	5.0%	80%	50	60-140

* LCS/LCSD performed in lieu of MS/MSD due to insufficient amount of sample provided.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

METHOD: METALS
Instrument: ICP
Matrix: Water

Date: 5/19/98

Sample: HE01495

Batch: HE19ME3W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Aluminum	1.63	2.0	3.25	3.54	81%	96%	8.69%	88%	20	80-120
Antimony *	0.080	2.0	1.51	1.64	71%	78%	8.59%	75%	20	80-120
Arsenic	0.097	2.0	1.84	2.01	87%	96%	9.04%	91%	20	80-120
Barium	0.290	2.0	1.89	2.06	80%	88%	8.35%	84%	20	80-120
Beryllium	0	2.0	1.70	1.87	85%	94%	9.51%	89%	20	80-120
Cadmium	0	2.0	1.68	1.83	84%	92%	8.78%	88%	20	80-120
Calcium *	120	2.0	114	124	0%	200%	8.40%	100%	20	80-120
Chromium	2.10	2.0	3.70	4.02	80%	96%	8.28%	88%	20	80-120
Cobalt	0	2.0	1.71	1.86	86%	93%	8.50%	89%	20	80-120
Iron *	12.0	2.0	12.6	13.7	30%	87%	8.74%	58%	20	80-120
Lead	0	2.0	1.72	1.86	86%	93%	7.73%	89%	20	80-120
Magnesium	1.20	2.0	2.77	3.01	79%	91%	8.23%	85%	20	80-120
Manganese	0.260	2.0	1.94	2.12	84%	93%	8.73%	88%	20	80-120
Nickel	1.50	2.0	3.03	3.30	77%	90%	8.40%	83%	20	80-120
Selenium	0	2.0	1.71	1.86	86%	93%	8.29%	89%	20	80-120
Sodium **	1635	1.0	1406	1381	N/C	N/C	1.79%	N/C	20	80-120
Thallium	0	2.0	1.60	1.75	80%	87%	8.98%	84%	20	80-120
Vanadium	0	2.0	1.77	1.93	89%	96%	8.49%	92%	20	80-120
Zinc	0.10	2.0	1.86	2.00	88%	95%	7.51%	91%	20	80-120

* The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects.

** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See LCS for batch validation.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

METHOD: METALS
Instrument: ICP
Matrix: Soil

Date Analyzed: 5/20/98

Sample: HE02543

Batch: HE20ME1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Aluminum **	1590	50	7200	6900	11220%	10620%	4.3%	10920%	20	80-120
Antimony	0	50	43	42	86%	84%	2.4%	85%	20	80-120
Arsenic	0	50	45	43	90%	86%	4.5%	88%	20	80-120
Barium	33	50	80	71	94%	76%	12%	85%	20	80-120
Beryllium	0	50	45	44	90%	88%	2.2%	89%	20	80-120
Cadmium	0	50	41	39	82%	78%	5.0%	80%	20	80-120
Calcium **	3200	50	3600	2640	800%	N/C	N/C	N/C	20	80-120
Chromium	14	50	58	55	88%	82%	5.3%	85%	20	80-120
Cobalt	6.3	50	47	45	81%	77%	4.3%	79%	20	80-120
Copper	13	50	58	50	90%	74%	15%	82%	20	80-120
Iron **	14000	50	13000	12000	N/C	N/C	N/C	N/C	20	80-120
Lead	2.9	50	46	44	86%	82%	4.4%	84%	20	80-120
Magnesium **	5630	50	46	44	0%	0%	4.4%	0%	20	80-120
Manganese *	240	50	5500	4900	10520%	9320%	12%	9920%	20	80-120
Molybdenum	0	50	290	270	580%	540%	7.1%	560%	20	80-120
Nickel *	19	50	59	57	80%	76%	3.4%	78%	20	80-120
Selenium	0	50	41	40	82%	80%	2.5%	81%	20	80-120
Silver	0	10	8.7	8.7	87%	87%	0%	87%	20	80-120
Sodium **	302	50	323	323	42%	42%	0%	42%	20	80-120
Thallium	0	50	45	45	90%	90%	0%	90%	20	80-120
Vanadium	26	50	66	63	80%	74%	4.7%	77%	20	80-120
Zinc *	34	50	74	71	80%	74%	4.1%	77%	20	80-120

* The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects.

** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See LCS for batch validation.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 7470
Matrix: Water

Date: 5/15/98

Sample: HE001626

Batch: HE15HG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Mercury	0	0.0080	0.0075	0.0073	94%	91%	3.24%	93%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100

Acceptance Limits..... Statistically determined on an annual basis.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-5401

MS/MSD DATA REPORT

EPA METHOD: 7471
Matrix: Soil

Date: 5/20/98

Sample: HE02300

Batch: HE20HG1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Mercury	0.039	0.80	0.849	0.840	101%	100%	1.07%	101%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100

Acceptance Limits..... Statistically determined on an annual basis.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

MS/MSD* DATA REPORT

EPA METHOD: 413.2
Matrix: Water

Date: 5/21/98

Sample: Blank

Batch: HE21IG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Hydrocarbons	0	5.0	4.7	4.6	94%	92%	2.2%	93%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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MS/MSD DATA REPORT

EPA METHOD: 418.1
Matrix: Water

Date: 5/21/98

Sample: Blank

Batch: HE21TH1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Hydrocarbons	0	5.0	4.6	4.5	92%	90%	2.2%	91%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

EPA METHOD: 8260

Date: 5/18/98

Batch: HE18081W

Analyte	St ppb	R1 ppb	PR %	Acceptance Limits %
Vinyl Chloride	25	19	76%	40-145
1,1-Dichloroethene	25	24	96%	55-145
MTBE	25	28	112%	60-140
1,1-Dichlororethane	25	24	96%	60-140
Chloroform	25	24	96%	65-135
1,2-Dichlororethane	25	25	100%	55-135
Benzene	25	25	100%	65-135
Trichloroethene	25	25	100%	70-130
Toluene	25	25	100%	70-125
Tetrachloroethene	25	25	100%	65-130
Chlorobenzene	25	25	100%	75-125
Ethylbenzene	25	24	96%	70-125
m,p-Xylenes	50	50	100%	70-130
o-Xylene	25	25	100%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

DEL MAR ANALYTICAL

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-44

LCS DATA REPORT

EPA METHOD: 8260

Date: 5/20/98

Batch: HE20071W

Analyte	St ppb	R1 ppb	PR %	Acceptance Limits %
Vinyl Chloride	25	22	88%	40-145
1,1-Dichloroethene	25	27	108%	55-145
MTBE	25	33	132%	60-140
1,1-Dichlororethane	25	28	112%	60-140
Chloroform	25	28	112%	65-135
1,2-Dichlororethane	25	30	120%	55-135
Benzene	25	28	112%	65-135
Trichloroethene	25	26	104%	70-130
Toluene	25	26	104%	70-125
Tetrachloroethene	25	25	100%	65-130
Chlorobenzene	25	25	100%	75-125
Ethylbenzene	25	26	104%	70-125
m,p-Xylenes	50	52	104%	70-130
o-Xylene	25	26	104%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

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LCS DATA REPORT

EPA METHOD: 8260

Date: 5/19/98

Batch: HE19011W

Analyte	St ppb	R1 ppb	PR %	Acceptance Limits %
Vinyl Chloride	25	20	80%	40-145
1,1-Dichloroethene	25	24	96%	55-145
MTBE	25	25	100%	60-140
1,1-Dichlororethane	25	24	96%	60-140
Chloroform	25	24	96%	65-135
1,2-Dichlororethane	25	24	96%	55-135
Benzene	25	23	92%	65-135
Trichloroethene	25	23	92%	70-130
Toluene	25	23	92%	70-125
Tetrachloroethene	25	25	100%	65-130
Chlorobenzene	25	24	96%	75-125
Ethylbenzene	25	24	96%	70-125
m,p-Xylenes	50	48	96%	70-130
o-Xylene	25	24	96%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

DEL MAR ANALYTICAL

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LCS DATA REPORT

EPA METHOD: 8260

Date: 5/21/98

Batch: HE21011W

Analyte	St ppb	R1 ppb	PR %	Acceptance Limits %
Vinyl Chloride	25	22	88%	40-145
1,1-Dichloroethene	25	27	108%	55-145
MTBE	25	28	112%	60-140
1,1-Dichlororethane	25	26	104%	60-140
Chloroform	25	26	104%	65-135
1,2-Dichlororethane	25	27	108%	55-135
Benzene	25	25	100%	65-135
Trichloroethene	25	25	100%	70-130
Toluene	25	25	100%	70-125
Tetrachloroethene	25	26	104%	65-130
Chlorobenzene	25	26	104%	75-125
Ethylbenzene	25	26	104%	70-125
m,p-Xylenes	50	51	102%	70-130
o-Xylene	25	26	104%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

DEL MAR ANALYTICAL

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LCS DATA REPORT

METHOD: METALS
Instrument: ICP

Date Analyzed: 5/20/98

Batch: HE20ME1S

Analyte	St ppm	R1 ppm	PR %	Acceptance Limits %
Aluminum	50	48	96%	80-120
Antimony	50	43	86%	80-120
Arsenic	50	45	90%	80-120
Barium	50	46	92%	80-120
Beryllium	50	47	94%	80-120
Cadmium	50	46	92%	80-120
Calcium	50	40	80%	80-120
Chromium	50	46	92%	80-120
Cobalt	50	44	88%	80-120
Copper	50	41	82%	80-120
Iron	50	48	96%	80-120
Lead	50	46	92%	80-120
Magnesium	50	52	104%	80-120
Manganese	50	47	94%	80-120
Molybdenum	50	45	90%	80-120
Nickel	50	44	88%	80-120
Selenium	50	49	98%	80-120
Silver	10	9.3	93%	80-120
Sodium	50	48.8	98%	80-120
Thallium	50	52	104%	80-120
Vanadium	50	43	86%	80-120
Zinc	50	45	90%	80-120

Definition of Terms:

St. ..... Concentration of standard added to blank.

R1 ..... Standard Result

PR ..... Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. ..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-5401

LCS DATA REPORT

EPA METHOD: 7470

Date: 5/15/98

Batch: HE15HG1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	%
Mercury	0.008	0.00775	97%	80-120

Definition of Terms:

St. . . . . . **Standard Concentration**

R1 . . . . . **Standard Result**

PR . . . . . **Percent Recovery of R1; (R1 / St) X 100**

Acceptance Limits. . . . **Statistically determined on an annual basis.**

Del Mar Analytical

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LCS DATA REPORT

EPA METHOD: 7471

Date: 5/20/98

Batch: HE20HG1S

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	%
Mercury	0.80	0.789	99%	80-120

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . Statistically determined on an annual basis.

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LCS DATA REPORT

EPA METHOD: 413.2

Date: 5/21/98

Batch: HE21IG1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	PR
Hydrocarbons	5.0	5.8	116%	80-120

Definition of Terms:

St. . . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . . Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

LCS DATA REPORT

EPA METHOD: 418.1

Date: 5/21/98

Batch: HE21TH1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	%
Hydrocarbons	5.0	5.6	112%	80-120

Definition of Terms:

St. ..... Concentration of standard added to blank.

R1 ..... Standard Result

PR ..... Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. ..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

CASE NARRATIVE

Client: TRC Environmental Solutions
Project: 94-256 WDI

Date Sampled: 5/11/98
Date Received: 5/11/98

Sample Description	Del Mar Lab #	Sample Matrix	Analyses Performed
WDI-EX-2	HE01495	Liquid	EPA 8260, EPA 8270, EPA 8081 EPA 418.1/413.2, Metals, Bacti, Wet Chemistry, Sulfur
	HE03431		Sulfur
WDI-P-1(FREE)	HE01496	Product	EPA 8260, EPA 8270, EPA 8081 Metals, Simulated Distillation,
	HE03432		BTU, Sulfur
WDI-P-1	HE01497	Liquid	EPA 8260, EPA 8270, EPA 8081 Metals, EPA 418.1/413.2, Wet Chemistry, Bacti
	HE03433		Sulfur
WDI-P-2(FREE)	HE01498	Product	EPA 8260, EPA 8270, EPA 8081 Simulated Distillation
	HE03434		BTU, Sulfur
WDI-P-2	HE01499	Liquid	EPA 8260, EPA 8270, EPA 8081 Metals, EPA 418.1/413.2, Wet Chemistry, Bacti
	HE03435		Sulfur
WDI-P-3(FREE)	HE01500	Product	EPA 8260, EPA 8270, Simulated Distillation,
	HE03436		BTU, Sulfur
WDI-P-3	HE01501	Liquid	EPA 8260, EPA 8270, EPA 8081 Metals, EPA 418.1/413.2, Bacti
	HE03437		Sulfur
WDI-P-4(FREE)	HE01502	Product	EPA 8260, EPA 8270, EPA 8081 Metals, Simulated Distillation,
	HE03438		BTU, Sulfur

Sample Description	Del Mar Lab #	Sample Matrix	Analyses Performed
WDI-P-4	HE01503 HE03439	Liquid	EPA 8260, EPA 8270, EPA 8081 Metals, EPA 418.1/413.2, Wet Chemistry, Bacti Sulfur
WDI-VW-9(FREE)	HE01504 HE03440	Product	EPA 8260, EPA 8270, Metals, Simulated Distillation, BTU, Sulfur
WDI-VW-9	HE01505 HE03441	Liquid	EPA 8260, EPA 8270, EPA 8081 Metals, EPA 418.1/413.2, Wet Chemistry, Bacti Sulfur
Trip Blank	HE01506	Water	EPA 8260

SAMPLE RECEIPT: Samples were received intact, at 10°C, and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within holding times.

PROBLEMS ENCOUNTERED: No problems were encountered during sample analysis.

QA/QC CRITERIA: Most QA/QC parameters met acceptance criteria. For surrogates and MS/MSD recoveries outside of acceptance limits, please see footnotes on the final report.

OBSERVATIONS: No significant observations were made.

DEL MAR ANALYTICAL

Pat Abe
Project Manager

APPENDIX B.2

EXTRACTION WELL EX-2 PUMP TEST DATA
POST TEST RESULTS

TRC

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Jun 11, 1998
21 Technology Drive	WDI	Received: Jun 11, 1998
Irvine, CA 92618	Analysis Method: EPA 413.2 (I.R.)	Extracted: Jun 19, 1998
Attention: Richard Scott	First Sample #: HF01709	Analyzed: Jun 19, 1998
		Reported: Jul 1, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HF01709	WDI-EX-2	45,000	200	200
HF01710	WDI-P-1	3,900	100	100
HF01712	WDI-VW-9	350	10	10

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted:	Jun 17, 1998
Attention: Richard Scott	First Sample #: HF01709	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HF01709	WDI-EX-2	44,000	100	100
HF01710	WDI-P-1	3,700	70	70
HF01712	WDI-VW-9	340	20	20

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01711	Reported:	Jul 1, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HF01711	WDI-P-1-Free	590,000	C8 - C40	100
		41,000	C8 - C9	6.9
		36,000	C10 - C11	9.2
		71,000	C12 - C13	12
		71,000	C14 - C15	12
		71,000	C16 - C17	12
		55,000	C18 - C19	9.4
		42,000	C20 - C21	7.2
		41,000	C22 - C23	7.0
		37,000	C24 - C25	6.2
		25,000	C26 - C27	4.2
		24,000	C28 - C29	4.1
		25,000	C30 - C31	4.2
		25,000	C32 - C35	4.2
		5,900	C36 - C40	1.0

Reporting Limit: 1,000

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01713	Reported:	Jul 1, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HF01713	WDI-VW-9-Free	470,000	C8 - C40	100
		33,000	C8 - C9	7.0
		45,000	C10 - C11	9.5
		61,000	C12 - C13	13
		52,000	C14 - C15	11
		52,000	C16 - C17	11
		40,000	C18 - C19	8.6
		36,000	C20 - C21	7.7
		33,000	C22 - C23	7.0
		31,000	C24 - C25	6.6
		20,000	C26 - C27	4.3
		22,000	C28 - C29	4.7
		20,000	C30 - C31	4.3
		23,000	C32 - C35	4.8
		3,400	C36 - C40	0.72

Reporting Limit: 1,000

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01715	Reported:	Jul 1, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HF01715	WDI-PB-2-Free	540,000	C8 - C40	100
		30,000	C8 - C9	5.5
		45,000	C10 - C11	8.4
		65,000	C12 - C13	12
		54,000	C14 - C15	10
		53,000	C16 - C17	9.8
		46,000	C18 - C19	8.6
		43,000	C20 - C21	8.0
		41,000	C22 - C23	7.6
		33,000	C24 - C25	6.2
		27,000	C26 - C27	5.0
		29,000	C28 - C29	5.3
		28,000	C30 - C31	5.1
		36,000	C32 - C35	6.7
		8,100	C36 - C40	1.5

Reporting Limit:	**1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-EX-2	Extracted:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01709	Analyzed:	Jul 4-8, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	5.0	N.D.
alpha-BHC	5.0	N.D.
beta-BHC	5.0	N.D.
delta-BHC	13	N.D.
gamma-BHC (Lindane)	5.0	N.D.
Chlordane	100	N.D.
4,4'-DDD	5.0	N.D.
4,4'-DDE	5.0	N.D.
4,4'-DDT	5.0	N.D.
Dieldrin	5.0	N.D.
Endosulfan I	5.0	N.D.
Endosulfan II	5.0	N.D.
Endosulfan sulfate	25	N.D.
Endrin	5.0	N.D.
Endrin aldehyde	5.0	N.D.
Endrin ketone	5.0	N.D.
Heptachlor	5.0	N.D.
Heptachlor epoxide	5.0	N.D.
Methoxychlor	25	N.D.
Toxaphene	200	N.D.
PCB-1016	50	N.D.
PCB-1221	50	N.D.
PCB-1232	50	N.D.
PCB-1242	50	N.D.
PCB-1248	50	N.D.
PCB-1254	50	N.D.
PCB-1260	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	106%
Decachlorobiphenyl (30-130)	55%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-P-1	Extracted:	Jun 19, 1998
Attention: Richard Scott	Lab Number: HF01710	Analyzed:	Jul 4, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.20	N.D.
alpha-BHC	0.20	N.D.
beta-BHC	0.20	N.D.
delta-BHC	0.50	N.D.
gamma-BHC (Lindane)	0.20	N.D.
Chlordane	4.0	N.D.
4,4'-DDD	0.20	N.D.
4,4'-DDE	0.20	N.D.
4,4'-DDT	0.20	N.D.
Dieldrin	0.20	N.D.
Endosulfan I	0.20	N.D.
Endosulfan II	0.20	N.D.
Endosulfan sulfate	1.0	N.D.
Endrin	0.20	N.D.
Endrin aldehyde	0.20	N.D.
Endrin ketone	0.20	N.D.
Heptachlor	0.20	N.D.
Heptachlor epoxide	0.20	N.D.
Methoxychlor	1.0	N.D.
Toxaphene	8.0	N.D.
PCB-1016	2.0	N.D.
PCB-1221	2.0	N.D.
PCB-1232	2.0	N.D.
PCB-1242	2.0	N.D.
PCB-1248	2.0	N.D.
PCB-1254	2.0	N.D.
PCB-1260	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	40%
Decachlorobiphenyl (30-130)	62%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-VW-9	Extracted:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01712	Analyzed:	Jul 8, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	10	N.D.
alpha-BHC	10	N.D.
beta-BHC	10	N.D.
delta-BHC	25	N.D.
gamma-BHC (Lindane)	10	N.D.
Chlordane	200	N.D.
4,4'-DDD	10	N.D.
4,4'-DDE	10	N.D.
4,4'-DDT	10	N.D.
Dieldrin	10	N.D.
Endosulfan I	10	N.D.
Endosulfan II	10	N.D.
Endosulfan sulfate	50	N.D.
Endrin	10	N.D.
Endrin aldehyde	10	N.D.
Endrin ketone	10	N.D.
Heptachlor	10	N.D.
Heptachlor epoxide	10	N.D.
Methoxychlor	50	N.D.
Toxaphene	400	N.D.
PCB-1016	100	N.D.
PCB-1221	100	N.D.
PCB-1232	100	N.D.
PCB-1242	100	N.D.
PCB-1248	100	N.D.
PCB-1254	100	N.D.
PCB-1260	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	78%
Decachlorobiphenyl (30-130)	60%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-2	Extracted:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01714	Analyzed:	Jul 8-9, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	10	N.D.
alpha-BHC	10	N.D.
beta-BHC	10	N.D.
delta-BHC	25	N.D.
gamma-BHC (Lindane)	10	N.D.
Chlordane	200	N.D.
4,4'-DDD	10	N.D.
4,4'-DDE	10	N.D.
4,4'-DDT	10	N.D.
Dieldrin	10	N.D.
Endosulfan I	10	N.D.
Endosulfan II	10	N.D.
Endosulfan sulfate	50	N.D.
Endrin	10	N.D.
Endrin aldehyde	10	N.D.
Endrin ketone	10	N.D.
Heptachlor	10	N.D.
Heptachlor epoxide	10	N.D.
Methoxychlor	50	N.D.
Toxaphene	400	N.D.
PCB-1016	100	N.D.
PCB-1221	100	N.D.
PCB-1232	100	N.D.
PCB-1242	100	N.D.
PCB-1248	100	N.D.
PCB-1254	100	N.D.
PCB-1260	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	36%
Decachlorobiphenyl (30-130)	51%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-6	Extracted:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01716	Analyzed:	Jul 8-9, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	10	N.D.
alpha-BHC	10	N.D.
beta-BHC	10	N.D.
delta-BHC	25	N.D.
gamma-BHC (Lindane)	10	N.D.
Chlordane	200	N.D.
4,4'-DDD	10	N.D.
4,4'-DDE	10	N.D.
4,4'-DDT	10	N.D.
Dieldrin	10	N.D.
Endosulfan I	10	N.D.
Endosulfan II	10	N.D.
Endosulfan sulfate	50	N.D.
Endrin	10	N.D.
Endrin aldehyde	10	N.D.
Endrin ketone	10	N.D.
Heptachlor	10	N.D.
Heptachlor epoxide	10	N.D.
Methoxychlor	50	N.D.
Toxaphene	400	N.D.
PCB-1016	100	N.D.
PCB-1221	100	N.D.
PCB-1232	100	N.D.
PCB-1242	100	N.D.
PCB-1248	100	N.D.
PCB-1254	100	N.D.
PCB-1260	100	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 100.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	47%
Decachlorobiphenyl (30-130)	33%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-4	Extracted:	Jun 18, 1998
Attention: Richard Scott	Lab Number: HF01717	Analyzed:	Jul 8, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	100	N.D.
alpha-BHC	100	N.D.
beta-BHC	100	N.D.
delta-BHC	250	N.D.
gamma-BHC (Lindane)	100	N.D.
Chlordane	2,000	N.D.
4,4'-DDD	100	N.D.
4,4'-DDE	100	N.D.
4,4'-DDT	100	N.D.
Dieldrin	100	N.D.
Endosulfan I	100	N.D.
Endosulfan II	100	N.D.
Endosulfan sulfate	500	N.D.
Endrin	100	N.D.
Endrin aldehyde	100	N.D.
Endrin ketone	100	N.D.
Heptachlor	100	N.D.
Heptachlor epoxide	100	N.D.
Methoxychlor	500	N.D.
Toxaphene	4,000	N.D.
PCB-1016	1,000	N.D.
PCB-1221	1,000	N.D.
PCB-1232	1,000	N.D.
PCB-1242	1,000	N.D.
PCB-1248	1,000	N.D.
PCB-1254	1,000	N.D.
PCB-1260	1,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 1000.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	50%
Decachlorobiphenyl (30-130)	78%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1-Free	Extracted:	Jun 25, 1998
Attention: Richard Scott	Lab Number: HF01711	Analyzed:	Jul 7-9, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	2.0	N.D.
alpha-BHC	2.0	N.D.
beta-BHC	2.0	N.D.
delta-BHC	4.0	N.D.
gamma-BHC (Lindane)	2.0	N.D.
Chlordane	40	N.D.
4,4'-DDD	2.0	N.D.
4,4'-DDE	2.0	N.D.
4,4'-DDT	2.0	N.D.
Dieldrin	2.0	N.D.
Endosulfan I	2.0	N.D.
Endosulfan II	2.0	N.D.
Endosulfan sulfate	8.0	N.D.
Endrin	2.0	N.D.
Endrin aldehyde	2.0	N.D.
Endrin ketone	2.0	N.D.
Heptachlor	2.0	N.D.
Heptachlor epoxide	2.0	N.D.
Methoxychlor	2.0	N.D.
Toxaphene	80	N.D.
PCB-1016	20	N.D.
PCB-1221	20	N.D.
PCB-1232	20	N.D.
PCB-1242	20	N.D.
PCB-1248	20	N.D.
PCB-1254	20	N.D.
PCB-1260	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 4.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	42%
Decachlorobiphenyl (30-130)	63%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9-Free	Extracted:	Jun 25, 1998
Attention: Richard Scott	Lab Number: HF01713	Analyzed:	Jul 8, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	20	N.D.
alpha-BHC	20	N.D.
beta-BHC	20	N.D.
delta-BHC	40	N.D.
gamma-BHC (Lindane)	20	N.D.
Chlordane	400	N.D.
4,4'-DDD	20	N.D.
4,4'-DDE	20	N.D.
4,4'-DDT	20	N.D.
Dieldrin	20	N.D.
Endosulfan I	20	N.D.
Endosulfan II	20	N.D.
Endosulfan sulfate	80	N.D.
Endrin	20	N.D.
Endrin aldehyde	20	N.D.
Endrin ketone	20	N.D.
Heptachlor	20	N.D.
Heptachlor epoxide	20	N.D.
Methoxychlor	20	N.D.
Toxaphene	800	N.D.
PCB-1016	200	N.D.
PCB-1221	200	N.D.
PCB-1232	200	N.D.
PCB-1242	200	N.D.
PCB-1248	200	N.D.
PCB-1254	200	N.D.
PCB-1260	200	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 40.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	42%
Decachlorobiphenyl (30-130)	74%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-PB-2-Free	Extracted:	Jun 25, 1998
Attention: Richard Scott	Lab Number: HF01715	Analyzed:	Jul 8-9, 1998
		Reported:	Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	20	N.D.
alpha-BHC	20	N.D.
beta-BHC	20	N.D.
delta-BHC	40	N.D.
gamma-BHC (Lindane)	20	N.D.
Chlordane	400	N.D.
4,4'-DDD	20	N.D.
4,4'-DDE	20	N.D.
4,4'-DDT	20	N.D.
Dieldrin	20	N.D.
Endosulfan I	20	N.D.
Endosulfan II	20	N.D.
Endosulfan sulfate	80	N.D.
Endrin	20	N.D.
Endrin aldehyde	20	N.D.
Endrin ketone	20	N.D.
Heptachlor	20	N.D.
Heptachlor epoxide	20	N.D.
Methoxychlor	20	N.D.
Toxaphene	800	N.D.
PCB-1016	200	N.D.
PCB-1221	200	N.D.
PCB-1232	200	N.D.
PCB-1242	200	N.D.
PCB-1248	200	N.D.
PCB-1254	200	N.D.
PCB-1260	200	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 40.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	44%
Decachlorobiphenyl (30-130)	64%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-EX-2	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01709	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	250	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	89%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-P-1	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01710	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	89%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-VW-9	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01712	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	250	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	90%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-2	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01714	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	90%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-6	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01716	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	88%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-4	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01717	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	92%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1-Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01711	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120).....	87%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9 Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01713	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120).....	91%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-PB-2-Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01715	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120).....	90%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-EX-2	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01709	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**500**	**1,600**
Benzene	**100**	**840**
Bromodichloromethane	100	N.D.
Bromoform	250	N.D.
Bromomethane	250	N.D.
2-Butanone	**500**	**7,900**
Carbon disulfide	250	N.D.
Carbon tetrachloride	250	N.D.
Chloroethane	250	N.D.
Chloroform	**100**	**430**
Chloromethane	250	N.D.
1,2-Dibromoethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	250	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
4-Methyl-2-pentanone	**250**	**13,000**
Methylene chloride	1,000	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	**100**	**1,400**
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	**100**	**630**
Vinyl acetate	250	N.D.
Vinyl chloride	**250**	**510**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	89%
Toluene-d8 (88-110)	94%
4-Bromofluorobenzene (86-115)	97%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-P-1	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01710	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**100**	**150**
Benzene	**20**	**1,100**
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	**100**	**800**
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chloroethane	50	N.D.
Chloroform	**20**	**79**
Chloromethane	50	N.D.
1,2-Dibromoethane	20	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	**20**	**48**
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	**20**	**220**
2-Hexanone	100	N.D.
4-Methyl-2-pentanone	**50**	**2,400**
Methylene chloride	200	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	20	N.D.
Toluene	**20**	**1,200**
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**40**
Vinyl acetate	50	N.D.
Vinyl chloride	**50**	**470**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	89%
Toluene-d8 (88-110)	96%
4-Bromofluorobenzene (86-115)	98%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-VW-9	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01712	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**500**	**1,600**
Benzene	**100**	**750**
Bromodichloromethane	100	N.D.
Bromoform	250	N.D.
Bromomethane	250	N.D.
2-Butanone	**500**	**8,000**
Carbon disulfide	250	N.D.
Carbon tetrachloride	250	N.D.
Chloroethane	250	N.D.
Chloroform	**100**	**400**
Chloromethane	250	N.D.
1,2-Dibromoethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	250	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
4-Methyl-2-pentanone	**250**	**9,100**
Methylene chloride	1,000	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	**100**	**950**
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Vinyl acetate	250	N.D.
Vinyl chloride	**250**	**420**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	90%
Toluene-d8 (88-110)	95%
4-Bromofluorobenzene (86-115)	96%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-2	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01714	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	**10**	**240**
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	**50**	**64**
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,2-Dibromoethane	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	**10**	**230**
2-Hexanone	50	N.D.
4-Methyl-2-pentanone	25	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
Toluene	**10**	**110**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	90%
Toluene-d8 (88-110)	105%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-6	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01716	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	**2.0**	**17**
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	**2.0**	**2.1**
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**9.7**
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	**2.0**	**2.5**
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	**5.0**	**35**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	88%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	96%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-4	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01717	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	**2.0**	**79**
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	**2.0**	**2.3**
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	**5.0**	**45**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	92%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	101%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-Trip Blank	Extracted:	Jun 16, 1998
Attention: Richard Scott	Lab Number: HF01718	Analyzed:	Jun 16, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	101%
Toluene-d8 (88-110)	105%
4-Bromofluorobenzene (86-115)	105%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1-Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01711	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	50,000	N.D.
Benzene	**10,000**	**110,000**
Bromodichloromethane	10,000	N.D.
Bromoform	25,000	N.D.
Bromomethane	25,000	N.D.
2-Butanone	50,000	N.D.
Carbon disulfide	25,000	N.D.
Carbon tetrachloride	25,000	N.D.
Chloroethane	25,000	N.D.
Chloroform	10,000	N.D.
Chloromethane	25,000	N.D.
1,2-Dibromoethane	10,000	N.D.
1,1-Dichloroethane	10,000	N.D.
1,2-Dichloroethane	10,000	N.D.
1,1-Dichloroethene	25,000	N.D.
trans-1,2-Dichloroethene	10,000	N.D.
1,2-Dichloropropane	10,000	N.D.
cis-1,3-Dichloropropene	10,000	N.D.
trans-1,3-Dichloropropene	10,000	N.D.
Ethylbenzene	**10,000**	**300,000**
2-Hexanone	50,000	N.D.
4-Methyl-2-pentanone	25,000	N.D.
Methylene chloride	100,000	N.D.
1,1,2,2-Tetrachloroethane	10,000	N.D.
Tetrachloroethene	**10,000**	**110,000**
Toluene	**10,000**	**760,000**
1,1,1-Trichloroethane	10,000	N.D.
1,1,2-Trichloroethane	10,000	N.D.
Trichloroethene	**10,000**	**70,000**
Vinyl acetate	25,000	N.D.
Vinyl chloride	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	87%
Toluene-d8 (81-117)	111%
4-Bromofluorobenzene (74-121)	101%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9-Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01713	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	50,000	N.D.
Benzene	**10,000**	**90,000**
Bromodichloromethane	10,000	N.D.
Bromoform	25,000	N.D.
Bromomethane	25,000	N.D.
2-Butanone	50,000	N.D.
Carbon disulfide	25,000	N.D.
Carbon tetrachloride	25,000	N.D.
Chloroethane	25,000	N.D.
Chloroform	10,000	N.D.
Chloromethane	25,000	N.D.
1,2-Dibromoethane	10,000	N.D.
1,1-Dichloroethane	10,000	N.D.
1,2-Dichloroethane	10,000	N.D.
1,1-Dichloroethene	25,000	N.D.
trans-1,2-Dichloroethene	10,000	N.D.
1,2-Dichloropropane	10,000	N.D.
cis-1,3-Dichloropropene	10,000	N.D.
trans-1,3-Dichloropropene	10,000	N.D.
Ethylbenzene	**10,000**	**200,000**
2-Hexanone	50,000	N.D.
4-Methyl-2-pentanone	25,000	N.D.
Methylene chloride	100,000	N.D.
1,1,2,2-Tetrachloroethane	10,000	N.D.
Tetrachloroethene	**10,000**	**14,000**
Toluene	**10,000**	**390,000**
1,1,1-Trichloroethane	10,000	N.D.
1,1,2-Trichloroethane	10,000	N.D.
Trichloroethene	**10,000**	**18,000**
Vinyl acetate	25,000	N.D.
Vinyl chloride	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	91%
Toluene-d8 (81-117)	111%
4-Bromofluorobenzene (74-121)	105%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-PB-2 -Free	Extracted:	Jun 17, 1998
Attention: Richard Scott	Lab Number: HF01715	Analyzed:	Jun 18, 1998
		Reported:	Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	50,000	N.D.
Benzene	**10,000**	**19,000**
Bromodichloromethane	10,000	N.D.
Bromoform	25,000	N.D.
Bromomethane	25,000	N.D.
2-Butanone	50,000	N.D.
Carbon disulfide	25,000	N.D.
Carbon tetrachloride	25,000	N.D.
Chloroethane	25,000	N.D.
Chloroform	10,000	N.D.
Chloromethane	25,000	N.D.
1,2-Dibromoethane	10,000	N.D.
1,1-Dichloroethane	10,000	N.D.
1,2-Dichloroethane	10,000	N.D.
1,1-Dichloroethene	25,000	N.D.
trans-1,2-Dichloroethene	10,000	N.D.
1,2-Dichloropropane	10,000	N.D.
cis-1,3-Dichloropropene	10,000	N.D.
trans-1,3-Dichloropropene	10,000	N.D.
Ethylbenzene	**10,000**	**130,000**
2-Hexanone	50,000	N.D.
4-Methyl-2-pentanone	25,000	N.D.
Methylene chloride	100,000	N.D.
1,1,2,2-Tetrachloroethane	10,000	N.D.
Tetrachloroethene	10,000	N.D.
Toluene	**10,000**	**63,000**
1,1,1-Trichloroethane	10,000	N.D.
1,1,2-Trichloroethane	10,000	N.D.
Trichloroethene	10,000	N.D.
Vinyl acetate	25,000	N.D.
Vinyl chloride	25,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	90%
Toluene-d8 (81-117)	105%
4-Bromofluorobenzene (74-121)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-EX-2	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01709	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	500	N.D.	Indeno(1,2,3-cd)pyrene	1,000	N.D.
Acenaphthylene	500	N.D.	Isophorone	500	N.D.
Anthracene	500	N.D.	2-Methylnaphthalene	500	N.D.
Benz(a)anthracene	500	N.D.	2-Methylphenol	500	N.D.
Benzo(b)fluoranthene	500	N.D.	**4-Methylphenol**	**500**	**4,000**
Benzo(k)fluoranthene	500	N.D.	Naphthalene	500	N.D.
Benzo(g,h,i)perylene	500	N.D.	2-Nitroaniline	1,000	N.D.
Benzo(a)pyrene	500	N.D.	4-Nitroaniline	5,000	N.D.
Bis(2-chloroethyl)ether	500	N.D.	Nitrobenzene	2,000	N.D.
Bis(2-chloroisopropyl)ether	500	N.D.	2-Nitrophenol	500	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.	N-Nitrosodiphenylamine	500	N.D.
4-Bromophenyl phenyl ether	500	N.D.	N-Nitroso-di-N-propylamine	500	N.D.
Butyl benzyl phthalate	1,000	N.D.	Pentachlorophenol	2,000	N.D.
4-Chloroaniline	500	N.D.	Phenanthrene	500	N.D.
2-Chloronaphthalene	500	N.D.	**Phenol**	**500**	**3,200**
4-Chloro-3-methylphenol	1,000	N.D.	Pyrene	500	N.D.
4-Chlorophenyl phenyl ether	500	N.D.	1,2,4-Trichlorobenzene	500	N.D.
Chrysene	500	N.D.	2,4,5-Trichlorophenol	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.	2,4,6-Trichlorophenol	1,000	N.D.
Dibenzofuran	500	N.D.			
Di-N-butyl phthalate	1,000	N.D.			
1,3-Dichlorobenzene	500	N.D.			
1,4-Dichlorobenzene	500	N.D.			
1,2-Dichlorobenzene	500	N.D.			
3,3-Dichlorobenzidine	2,000	N.D.			
2,4-Dichlorophenol	500	N.D.			
Dimethyl phthalate	500	N.D.			
4,6-Dinitro-2-methylphenol	2,000	N.D.			
2,4-Dinitrophenol	5,000	N.D.			
2,4-Dinitrotoluene	500	N.D.			
2,6-Dinitrotoluene	500	N.D.			
Di-N-octyl phthalate	2,000	N.D.			
Fluoranthene	500	N.D.			
Fluorene	500	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-P-1	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01710	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	500	N.D.	Indeno(1,2,3-cd)pyrene	1,000	N.D.
Acenaphthylene	500	N.D.	Isophorone	500	N.D.
Anthracene	500	N.D.	**2-Methylnaphthalene**	**500**	**1,500**
Benz(a)anthracene	500	N.D.	2-Methylphenol	500	N.D.
Benzo(b)fluoranthene	500	N.D.	**4-Methylphenol**	**500**	**900**
Benzo(k)fluoranthene	500	N.D.	**Naphthalene**	**500**	**810**
Benzo(g,h,i)perylene	500	N.D.	2-Nitroaniline	1,000	N.D.
Benzo(a)pyrene	500	N.D.	4-Nitroaniline	5,000	N.D.
Bis(2-chloroethyl)ether	500	N.D.	Nitrobenzene	2,000	N.D.
Bis(2-chloroisopropyl)ether	500	N.D.	2-Nitrophenol	500	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.	N-Nitrosodiphenylamine	500	N.D.
4-Bromophenyl phenyl ether	500	N.D.	N-Nitroso-di-N-propylamine	500	N.D.
Butyl benzyl phthalate	1,000	N.D.	Pentachlorophenol	2,000	N.D.
4-Chloroaniline	500	N.D.	Phenanthrene	500	N.D.
2-Chloronaphthalene	500	N.D.	Phenol	500	N.D.
4-Chloro-3-methylphenol	1,000	N.D.	Pyrene	500	N.D.
4-Chlorophenyl phenyl ether	500	N.D.	1,2,4-Trichlorobenzene	500	N.D.
Chrysene	500	N.D.	2,4,5-Trichlorophenol	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.	2,4,6-Trichlorophenol	1,000	N.D.
Dibenzofuran	500	N.D.			
Di-N-butyl phthalate	1,000	N.D.			
1,3-Dichlorobenzene	500	N.D.			
1,4-Dichlorobenzene	500	N.D.			
1,2-Dichlorobenzene	500	N.D.			
3,3-Dichlorobenzidine	2,000	N.D.			
2,4-Dichlorophenol	500	N.D.			
Dimethyl phthalate	500	N.D.			
4,6-Dinitro-2-methylphenol	2,000	N.D.			
2,4-Dinitrophenol	5,000	N.D.			
2,4-Dinitrotoluene	500	N.D.			
2,6-Dinitrotoluene	500	N.D.			
Di-N-octyl phthalate	2,000	N.D.			
Fluoranthene	500	N.D.			
Fluorene	500	N.D.			

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	76%
Phenol-d6 (10-94)	70%
2,4,6-Tribromophenol (10-123)	73%
Nitrobenzene-d5 (35-114)	**147%***
2-Fluorobiphenyl (43-116)	78%
Terphenyl-d14 (33-141)	80%

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-VW-9	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01712	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	20,000	N.D.	Indeno(1,2,3-cd)pyrene	40,000	N.D.
Acenaphthylene	20,000	N.D.	Isophorone	20,000	N.D.
Anthracene	20,000	N.D.	**2-Methylnaphthalene**	**20,000**	**38,000**
Benz(a)anthracene	20,000	N.D.	2-Methylphenol	20,000	N.D.
Benzo(b)fluoranthene	20,000	N.D.	4-Methylphenol	20,000	N.D.
Benzo(k)fluoranthene	20,000	N.D.	Naphthalene	20,000	N.D.
Benzo(g,h,i)perylene	20,000	N.D.	2-Nitroaniline	40,000	N.D.
Benzo(a)pyrene	20,000	N.D.	4-Nitroaniline	200,000	N.D.
Bis(2-chloroethyl)ether	20,000	N.D.	Nitrobenzene	80,000	N.D.
Bis(2-chloroisopropyl)ether	20,000	N.D.	2-Nitrophenol	20,000	N.D.
Bis(2-ethylhexyl)phthalate	200,000	N.D.	N-Nitrosodiphenylamine	20,000	N.D.
4-Bromophenyl phenyl ether	20,000	N.D.	N-Nitroso-di-N-propylamine	20,000	N.D.
Butyl benzyl phthalate	40,000	N.D.	Pentachlorophenol	80,000	N.D.
4-Chloroaniline	20,000	N.D.	Phenanthrene	20,000	N.D.
2-Chloronaphthalene	20,000	N.D.	Phenol	20,000	N.D.
4-Chloro-3-methylphenol	40,000	N.D.	Pyrene	20,000	N.D.
4-Chlorophenyl phenyl ether	20,000	N.D.	1,2,4-Trichlorobenzene	20,000	N.D.
Chrysene	20,000	N.D.	2,4,5-Trichlorophenol	40,000	N.D.
Dibenz(a,h)anthracene	40,000	N.D.	2,4,6-Trichlorophenol	40,000	N.D.
Dibenzofuran	20,000	N.D.			
Di-N-butyl phthalate	40,000	N.D.			
1,3-Dichlorobenzene	20,000	N.D.			
1,4-Dichlorobenzene	20,000	N.D.			
1,2-Dichlorobenzene	20,000	N.D.			
3,3-Dichlorobenzidine	80,000	N.D.			
2,4-Dichlorophenol	20,000	N.D.			
Dimethyl phthalate	20,000	N.D.			
4,6-Dinitro-2-methylphenol	80,000	N.D.			
2,4-Dinitrophenol	200,000	N.D.			
2,4-Dinitrotoluene	20,000	N.D.			
2,6-Dinitrotoluene	20,000	N.D.			
Di-N-octyl phthalate	80,000	N.D.			
Fluoranthene	20,000	N.D.			
Fluorene	20,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2000.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-2	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01714	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	5,000	N.D.	Indeno(1,2,3-cd)pyrene	10,000	N.D.
Acenaphthylene	5,000	N.D.	Isophorone	5,000	N.D.
Anthracene	5,000	N.D.	2-Methylnaphthalene	5,000	N.D.
Benz(a)anthracene	5,000	N.D.	**2-Methylphenol**	**5,000**	**9,400**
Benzo(b)fluoranthene	5,000	N.D.	4-Methylphenol	5,000	N.D.
Benzo(k)fluoranthene	5,000	N.D.	**Naphthalene**	**5,000**	**5,100**
Benzo(g,h,i)perylene	5,000	N.D.	2-Nitroaniline	10,000	N.D.
Benzo(a)pyrene	5,000	N.D.	4-Nitroaniline	50,000	N.D.
Bis(2-chloroethyl)ether	5,000	N.D.	Nitrobenzene	20,000	N.D.
Bis(2-chloroisopropyl)ether	5,000	N.D.	2-Nitrophenol	5,000	N.D.
Bis(2-ethylhexyl)phthalate	50,000	N.D.	N-Nitrosodiphenylamine	5,000	N.D.
4-Bromophenyl phenyl ether	5,000	N.D.	N-Nitroso-di-N-propylamine	5,000	N.D.
Butyl benzyl phthalate	10,000	N.D.	Pentachlorophenol	20,000	N.D.
4-Chloroaniline	5,000	N.D.	Phenanthrene	5,000	N.D.
2-Chloronaphthalene	5,000	N.D.	Phenol	5,000	N.D.
4-Chloro-3-methylphenol	10,000	N.D.	Pyrene	5,000	N.D.
4-Chlorophenyl phenyl ether	5,000	N.D.	1,2,4-Trichlorobenzene	5,000	N.D.
Chrysene	5,000	N.D.	2,4,5-Trichlorophenol	10,000	N.D.
Dibenz(a,h)anthracene	10,000	N.D.	2,4,6-Trichlorophenol	10,000	N.D.
Dibenzofuran	5,000	N.D.			
Di-N-butyl phthalate	10,000	N.D.			
1,3-Dichlorobenzene	5,000	N.D.			
1,4-Dichlorobenzene	5,000	N.D.			
1,2-Dichlorobenzene	5,000	N.D.			
3,3-Dichlorobenzidine	20,000	N.D.			
2,4-Dichlorophenol	5,000	N.D.			
Dimethyl phthalate	5,000	N.D.			
4,6-Dinitro-2-methylphenol	20,000	N.D.			
2,4-Dinitrophenol	50,000	N.D.			
2,4-Dinitrotoluene	5,000	N.D.			
2,6-Dinitrotoluene	5,000	N.D.			
Di-N-octyl phthalate	20,000	N.D.			
Fluoranthene	5,000	N.D.			
Fluorene	5,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 500.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	Diluted Out
Phenol-d6 (10-94)	Diluted Out
2,4,6-Tribromophenol (10-123)	Diluted Out
Nitrobenzene-d5 (35-114)	Diluted Out
2-Fluorobiphenyl (43-116)	Diluted Out
Terphenyl-d14 (33-141)	Diluted Out

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-6	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01716	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	100	N.D.	Indeno(1,2,3-cd)pyrene	200	N.D.
Acenaphthylene	100	N.D.	Isophorone	100	N.D.
Anthracene	100	N.D.	2-Methylnaphthalene	100	N.D.
Benz(a)anthracene	100	N.D.	2-Methylphenol	100	N.D.
Benzo(b)fluoranthene	100	N.D.	4-Methylphenol	100	N.D.
Benzo(k)fluoranthene	100	N.D.	Naphthalene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.	2-Nitroaniline	200	N.D.
Benzo(a)pyrene	100	N.D.	4-Nitroaniline	1,000	N.D.
Bis(2-chloroethyl)ether	100	N.D.	Nitrobenzene	400	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.	2-Nitrophenol	100	N.D.
Bis(2-ethylhexyl)phthalate	1,000	N.D.	N-Nitrosodiphenylamine	100	N.D.
4-Bromophenyl phenyl ether	100	N.D.	N-Nitroso-di-N-propylamine	100	N.D.
Butyl benzyl phthalate	200	N.D.	Pentachlorophenol	400	N.D.
4-Chloroaniline	100	N.D.	Phenanthrene	100	N.D.
2-Chloronaphthalene	100	N.D.	Phenol	100	N.D.
4-Chloro-3-methylphenol	200	N.D.	Pyrene	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
Chrysene	100	N.D.	2,4,5-Trichlorophenol	200	N.D.
Dibenz(a,h)anthracene	200	N.D.	2,4,6-Trichlorophenol	200	N.D.
Dibenzofuran	100	N.D.			
Di-N-butyl phthalate	200	N.D.			
1,3-Dichlorobenzene	100	N.D.			
1,4-Dichlorobenzene	100	N.D.			
1,2-Dichlorobenzene	100	N.D.			
3,3-Dichlorobenzidine	400	N.D.			
2,4-Dichlorophenol	100	N.D.			
Dimethyl phthalate	100	N.D.			
4,6-Dinitro-2-methylphenol	400	N.D.			
2,4-Dinitrophenol	1,000	N.D.			
2,4-Dinitrotoluene	100	N.D.			
2,6-Dinitrotoluene	100	N.D.			
Di-N-octyl phthalate	400	N.D.			
Fluoranthene	100	N.D.			
Fluorene	100	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	69%
Phenol-d6 (10-94)	72%
2,4,6-Tribromophenol (10-123)	84%
Nitrobenzene-d5 (35-114)	79%
2-Fluorobiphenyl (43-116)	79%
Terphenyl-d14 (33-141)	99%

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-4	Extracted:	Jun 15, 1998
Attention: Richard Scott	Lab Number: HF01717	Analyzed:	Jun 17, 1998
		Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	100	N.D.	Indeno(1,2,3-cd)pyrene	200	N.D.
Acenaphthylene	100	N.D.	Isophorone	100	N.D.
Anthracene	100	N.D.	2-Methylnaphthalene	100	N.D.
Benz(a)anthracene	100	N.D.	2-Methylphenol	100	N.D.
Benzo(b)fluoranthene	100	N.D.	4-Methylphenol	100	N.D.
Benzo(k)fluoranthene	100	N.D.	Naphthalene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.	2-Nitroaniline	200	N.D.
Benzo(a)pyrene	100	N.D.	4-Nitroaniline	1,000	N.D.
Bis(2-chloroethyl)ether	100	N.D.	Nitrobenzene	400	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.	2-Nitrophenol	100	N.D.
Bis(2-ethylhexyl)phthalate	1,000	N.D.	N-Nitrosodiphenylamine	100	N.D.
4-Bromophenyl phenyl ether	100	N.D.	N-Nitroso-di-N-propylamine	100	N.D.
Butyl benzyl phthalate	200	N.D.	Pentachlorophenol	400	N.D.
4-Chloroaniline	100	N.D.	Phenanthrene	100	N.D.
2-Chloronaphthalene	100	N.D.	Phenol	100	N.D.
4-Chloro-3-methylphenol	200	N.D.	Pyrene	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
Chrysene	100	N.D.	2,4,5-Trichlorophenol	200	N.D.
Dibenz(a,h)anthracene	200	N.D.	2,4,6-Trichlorophenol	200	N.D.
Dibenzofuran	100	N.D.			
Di-N-butyl phthalate	200	N.D.			
1,3-Dichlorobenzene	100	N.D.			
1,4-Dichlorobenzene	100	N.D.			
1,2-Dichlorobenzene	100	N.D.			
3,3-Dichlorobenzidine	400	N.D.			
2,4-Dichlorophenol	100	N.D.			
Dimethyl phthalate	100	N.D.			
4,6-Dinitro-2-methylphenol	400	N.D.			
2,4-Dinitrophenol	1,000	N.D.			
2,4-Dinitrotoluene	100	N.D.			
2,6-Dinitrotoluene	100	N.D.			
Di-N-octyl phthalate	400	N.D.			
Fluoranthene	100	N.D.			
Fluorene	100	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	62%
Phenol-d6 (10-94)	69%
2,4,6-Tribromophenol (10-123)	83%
Nitrobenzene-d5 (35-114)	67%
2-Fluorobiphenyl (43-116)	77%
Terphenyl-d14 (33-141)	100%

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-P-1-Free	Analyzed:	Jun 16, 1998
Attention: Richard Scott	Lab Number: HF01711	Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	570,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	570,000	N.D.	Isophorone	570,000	N.D.
Anthracene	570,000	N.D.	**2-Methylnaphthalene**	**570,000**	**2,300,000**
Benz(a)anthracene	570,000	N.D.	2-Methylphenol	850,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	850,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	Naphthalene	850,000	N.D.
Benzo(g,h,i)perylene	850,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,800,000	N.D.
Bis(2-chloroethyl)ether	570,000	N.D.	Nitrobenzene	2,800,000	N.D.
Bis(2-chloroisopropyl)ether	570,000	N.D.	2-Nitrophenol	570,000	N.D.
Bis(2-ethylhexyl)phthalate	5,700,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	850,000	N.D.	N-Nitroso-di-N-propylamine	850,000	N.D.
Butyl benzyl phthalate	2,800,000	N.D.	Pentachlorophenol	2,800,000	N.D.
4-Chloroaniline	570,000	N.D.	Phenanthrene	570,000	N.D.
2-Chloronaphthalene	570,000	N.D.	Phenol	850,000	N.D.
4-Chloro-3-methylphenol	570,000	N.D.	Pyrene	850,000	N.D.
4-Chlorophenyl phenyl ether	570,000	N.D.	1,2,4-Trichlorobenzene	570,000	N.D.
Chrysene	570,000	N.D.	2,4,5-Trichlorophenol	850,000	N.D.
Dibenz(a,h)anthracene	1,400,000	N.D.	2,4,6-Trichlorophenol	850,000	N.D.
Dibenzofuran	570,000	N.D.			
Di-N-butyl phthalate	1,400,000	N.D.			
1,3-Dichlorobenzene	570,000	N.D.			
1,4-Dichlorobenzene	570,000	N.D.			
1,2-Dichlorobenzene	570,000	N.D.			
3,3-Dichlorobenzidine	2,800,000	N.D.			
2,4-Dichlorophenol	570,000	N.D.			
Dimethyl phthalate	570,000	N.D.			
4,6-Dinitro-2-methylphenol	1,400,000	N.D.			
2,4-Dinitrophenol	1,400,000	N.D.			
2,4-Dinitrotoluene	570,000	N.D.			
2,6-Dinitrotoluene	570,000	N.D.			
Di-N-octyl phthalate	2,800,000	N.D.			
Fluoranthene	570,000	N.D.			
Fluorene	570,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5700.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-VW-9-Free	Analyzed:	Jun 16, 1998
Attention: Richard Scott	Lab Number: HF01713	Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	550,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	550,000	N.D.	Isophorone	550,000	N.D.
Anthracene	550,000	N.D.	**2-Methylnaphthalene**	**550,000**	**2,200,000**
Benz(a)anthracene	550,000	N.D.	2-Methylphenol	830,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	830,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	**Naphthalene**	**830,000**	**860,000**
Benzo(g,h,i)perylene	830,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,800,000	N.D.
Bis(2-chloroethyl)ether	550,000	N.D.	Nitrobenzene	2,800,000	N.D.
Bis(2-chloroisopropyl)ether	550,000	N.D.	2-Nitrophenol	550,000	N.D.
Bis(2-ethylhexyl)phthalate	5,500,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	830,000	N.D.	N-Nitroso-di-N-propylamine	830,000	N.D.
Butyl benzyl phthalate	2,800,000	N.D.	Pentachlorophenol	2,800,000	N.D.
4-Chloroaniline	550,000	N.D.	Phenanthrene	550,000	N.D.
2-Chloronaphthalene	550,000	N.D.	Phenol	830,000	N.D.
4-Chloro-3-methylphenol	550,000	N.D.	Pyrene	830,000	N.D.
4-Chlorophenyl phenyl ether	550,000	N.D.	1,2,4-Trichlorobenzene	550,000	N.D.
Chrysene	550,000	N.D.	2,4,5-Trichlorophenol	830,000	N.D.
Dibenz(a,h)anthracene	1,400,000	N.D.	2,4,6-Trichlorophenol	830,000	N.D.
Dibenzofuran	550,000	N.D.			
Di-N-butyl phthalate	1,400,000	N.D.			
1,3-Dichlorobenzene	550,000	N.D.			
1,4-Dichlorobenzene	550,000	N.D.			
1,2-Dichlorobenzene	550,000	N.D.			
3,3-Dichlorobenzidine	2,800,000	N.D.			
2,4-Dichlorophenol	550,000	N.D.			
Dimethyl phthalate	550,000	N.D.			
4,6-Dinitro-2-methylphenol	1,400,000	N.D.			
2,4-Dinitrophenol	1,400,000	N.D.			
2,4-Dinitrotoluene	550,000	N.D.			
2,6-Dinitrotoluene	550,000	N.D.			
Di-N-octyl phthalate	2,800,000	N.D.			
Fluoranthene	550,000	N.D.			
Fluorene	550,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5500.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite I, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jun 11, 1998
21 Technology Drive	WDI	Received:	Jun 11, 1998
Irvine, CA 92618	Sample Descript: Product, WDI-PB-2-Free	Analyzed:	Jun 16, 1998
Attention: Richard Scott	Lab Number: HF01715	Reported:	Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	530,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	530,000	N.D.	Isophorone	530,000	N.D.
Anthracene	530,000	N.D.	**2-Methylnaphthalene**	**530,000**	**1,300,000**
Benz(a)anthracene	530,000	N.D.	2-Methylphenol	800,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	800,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	Naphthalene	800,000	N.D.
Benzo(g,h,i)perylene	800,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,700,000	N.D.
Bis(2-chloroethyl)ether	530,000	N.D.	Nitrobenzene	2,700,000	N.D.
Bis(2-chloroisopropyl)ether	530,000	N.D.	2-Nitrophenol	530,000	N.D.
Bis(2-ethylhexyl)phthalate	5,300,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	800,000	N.D.	N-Nitroso-di-N-propylamine	800,000	N.D.
Butyl benzyl phthalate	2,700,000	N.D.	Pentachlorophenol	2,700,000	N.D.
4-Chloroaniline	530,000	N.D.	Phenanthrene	530,000	N.D.
2-Chloronaphthalene	530,000	N.D.	Phenol	800,000	N.D.
4-Chloro-3-methylphenol	530,000	N.D.	Pyrene	800,000	N.D.
4-Chlorophenyl phenyl ether	530,000	N.D.	1,2,4-Trichlorobenzene	530,000	N.D.
Chrysene	530,000	N.D.	2,4,5-Trichlorophenol	800,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.	2,4,6-Trichlorophenol	800,000	N.D.
Dibenzofuran	530,000	N.D.			
Di-N-butyl phthalate	1,300,000	N.D.			
1,3-Dichlorobenzene	530,000	N.D.			
1,4-Dichlorobenzene	530,000	N.D.			
1,2-Dichlorobenzene	530,000	N.D.			
3,3-Dichlorobenzidine	2,700,000	N.D.			
2,4-Dichlorophenol	530,000	N.D.			
Dimethyl phthalate	530,000	N.D.			
4,6-Dinitro-2-methylphenol	1,300,000	N.D.			
2,4-Dinitrophenol	1,300,000	N.D.			
2,4-Dinitrotoluene	530,000	N.D.			
2,6-Dinitrotoluene	530,000	N.D.			
Di-N-octyl phthalate	2,700,000	N.D.			
Fluoranthene	530,000	N.D.			
Fluorene	530,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5300.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-EX-2
Lab Number: HF01709

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	5.0	0.45	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	0.072	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.12	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.22	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	85	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	0.44	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	1.1	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-EX-2
Lab Number: HF01709

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.050	5.0	0.60	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	500	1,000	1,400	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	0.072	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-P-1
Lab Number: HF01710

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	6.1	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.16	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.50	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	44	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	11	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	0.11	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	10	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-P-1
Lab Number: HF01710

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	1.3	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.050	5.0	0.095	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	500	1,000	1,400	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	0.064	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	0.14	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-VW-9
Lab Number: HF01712

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	1.7	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.13	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.39	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	82	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	0.91	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	2.3	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-VW-9
Lab Number: HF01712

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.050	5.0	0.35	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	500	1,000	1,100	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

Del Mar Analytical

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Jun 11, 1998
21 Technology Drive	WDI	Received: Jun 11, 1998
Irvine, CA 92618	Sample Descript: Water, WDI-PB-2	Reported: Jul 2, 1998
Attention: Richard Scott	Lab Number: HF01714	

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	4.4	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.048	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.83	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	140	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	0.033	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	10	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	0.20	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	31	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-PB-2
Lab Number: HF01714

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.73	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.050	5.0	0.065	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	250	500	690	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	0.090	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	0.14	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-PB-6
Lab Number: HF01716

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	2.1	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.077	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.15	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	190	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	2.6	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	13	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-PB-6
Lab Number: HF01716

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/24/98
Nickel	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	250	500	770	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-PB-4
Lab Number: HF01717

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	1.2	HF18ME1W	6/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.025	5.0	0.030	HF18ME1W	6/24/98
Barium	EPA 6010	0.050	5.0	0.080	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.50	5.0	330	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.10	5.0	2.2	HF18ME1W	6/24/98
Lead	EPA 6010	0.025	5.0	0.039	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.10	5.0	110	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-PB-4
Lab Number: HF01717

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.47	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	500	1,000	1,000	HF18ME1W	6/24/98
Thallium	EPA 6010	0.025	5.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	HF18ME1W	6/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Product, WDI-P-1-Free
Lab Number: HF01711

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Antimony	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Barium	EPA 6010	1.0	1.0	2.3	HF20ME1S	6/25/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Calcium	EPA 6010	50	1.0	100	HF20ME1S	6/26/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Cobalt	EPA 6010	1.0	1.0	1.3	HF20ME1S	6/25/98
Iron	EPA 6010	5.0	1.0	31	HF20ME1S	6/25/98
Lead	EPA 6010	2.0	1.0	2.2	HF20ME1S	6/25/98
Magnesium	EPA 6010	10	1.0	13	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Product, WDI-P-1-Free
Lab Number: HF01711

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	3.0	HF20ME1S	6/25/98
Mercury	EPA 7470	0.020	1.0	N.D.	HF17HG1S	6/17/98
Nickel	EPA 6010	1.0	1.0	1.7	HF20ME1S	6/25/98
Selenium	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Sodium	EPA 6010	100	10	580	HF20ME1S	6/24/98
Thallium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Vanadium	EPA 6010	1.0	1.0	1.2	HF20ME1S	6/25/98
Zinc	EPA 6010	5.0	1.0	N.D.	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Product, WDI-VW-9-Free
Lab Number: HF01713

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Antimony	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Barium	EPA 6010	1.0	1.0	2.9	HF20ME1S	6/25/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Calcium	EPA 6010	50	1.0	N.D.	HF20ME1S	6/25/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Cobalt	EPA 6010	1.0	1.0	1.6	HF20ME1S	6/25/98
Iron	EPA 6010	5.0	1.0	55	HF20ME1S	6/25/98
Lead	EPA 6010	2.0	1.0	3.2	HF20ME1S	6/25/98
Magnesium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Product, WDI-VW-9-Free
Lab Number: HF01713

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Mercury	EPA 7470	0.020	1.0	N.D.	HF17HG1S	6/17/98
Nickel	EPA 6010	1.0	1.0	4.4	HF20ME1S	6/25/98
Selenium	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Sodium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/24/98
Thallium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Vanadium	EPA 6010	1.0	1.0	51	HF20ME1S	6/25/98
Zinc	EPA 6010	5.0	1.0	39	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Product, WDI-PB-2-Free
Lab Number: HF01715

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Antimony	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Barium	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Calcium	EPA 6010	50	1.0	130	HF20ME1S	6/26/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Cobalt	EPA 6010	1.0	1.0	1.3	HF20ME1S	6/25/98
Iron	EPA 6010	5.0	1.0	9.3	HF20ME1S	6/25/98
Lead	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Magnesium	EPA 6010	10	1.0	36	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, WDI-PB-2-Free
Lab Number: HF01715

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Mercury	EPA 7470	0.020	1.0	N.D.	HF17HG1S	6/17/98
Nickel	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Selenium	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Sodium	EPA 6010	100	10	890	HF20ME1S	6/24/98
Thallium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Zinc	EPA 6010	5.0	1.0	N.D.	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-EX-2
Lab Number: HF01709

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Extracted: Jun 12-18, 1998
Analyzed: Jun 12-24, 1998
Reported: Jul 1, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	550
Hardness	SM 2340B	5.0	220
pH (pH Units)	EPA 150.1	N.A.	9.9
Total Alkalinity	EPA 310.1	2.0	850
Total Dissolved Solids	EPA 160.1	20	5,300
Total Suspended Solids	EPA 160.2	10	13

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-P-1
Lab Number: HF01710

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Extracted: Jun 12-18, 1998
Analyzed: Jun 12-24, 1998
Reported: Jul 1, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	840
Hardness	SM 2340B	5.0	150
pH (pH Units)	EPA 150.1	N.A.	8.3
Total Alkalinity	EPA 310.1	2.0	840
Total Dissolved Solids	EPA 160.1	20	3,300
Total Suspended Solids	EPA 160.2	10	280

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-VW-9
Lab Number: HF01712

Sampled: Jun 11, 1998
Received: Jun 11, 1998
Extracted: Jun 12-18, 1998
Analyzed: Jun 12-24, 1998
Reported: Jul 1, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	680
Hardness	SM 2340B	5.0	210
pH (pH Units)	EPA 150.1	N.A.	8.9
Total Alkalinity	EPA 310.1	2.0	870
Total Dissolved Solids	EPA 160.1	20	4,500
Total Suspended Solids	EPA 160.2	10	280

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Jun 19, 1998
Analyzed: Jun 19, 1998
Reported: Jul 1, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and/or other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Jun 17, 1998
Analyzed: Jun 17, 1998
Reported: Jul 1, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Jun 18, 1998
Analyzed: Jul 8, 1998
Reported: Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	4.0	N.D.
PCB-1016	1.0	N.D.
PCB-1221	1.0	N.D.
PCB-1232	1.0	N.D.
PCB-1242	1.0	N.D.
PCB-1248	1.0	N.D.
PCB-1254	1.0	N.D.
PCB-1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	54%
Decachlorobiphenyl (30-130)	91%

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Del Mar Analytical

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Jun 19, 1998
Analyzed: Jul 4, 1998
Reported: Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	4.0	N.D.
PCB-1016	1.0	N.D.
PCB-1221	1.0	N.D.
PCB-1232	1.0	N.D.
PCB-1242	1.0	N.D.
PCB-1248	1.0	N.D.
PCB-1254	1.0	N.D.
PCB-1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	75%
Decachlorobiphenyl (30-130)	103%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Analyzed: Jun 6, 1998
Reported: Jul 14, 1998

ORGANOCHLORINE PESTICIDES AND PCBs by GC (EPA 3510/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.
PCB-1016	5.0	N.D.
PCB-1221	5.0	N.D.
PCB-1232	5.0	N.D.
PCB-1242	5.0	N.D.
PCB-1248	5.0	N.D.
PCB-1254	5.0	N.D.
PCB-1260	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1169)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	78%
Decachlorobiphenyl (30-130)	97%

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Attention: Richard Scott

Method Blank

Extracted: Jun 17, 1998
Analyzed: Jun 17, 1998
Reported: Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	88%

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Attention: Richard Scott

Method Blank

Extracted: Jun 17, 1998
Analyzed: Jun 18, 1998
Reported: Jul 1, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	90%

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Attention: Richard Scott

Method Blank

Extracted: Jun 16, 1998
Analyzed: Jun 16, 1998
Reported: Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	104%
Toluene-d8 (88-110)	105%
4-Bromofluorobenzene (86-115)	108%

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Attention: Richard Scott

Method Blank

Extracted: Jun 17, 1998
Analyzed: Jun 17, 1998
Reported: Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	88%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	95%

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Attention: Richard Scott

Method Blank

Extracted: Jun 17, 1998
Analyzed: Jun 18, 1998
Reported: Jul 1, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	90%
Toluene-d8 (81-117)	98%
4-Bromofluorobenzene (74-121)	95%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Jun 15, 1998
Analyzed: Jun 17, 1998
Reported: Jul 1, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Acenaphthylene	10	N.D.	Isophorone	10	N.D.
Anthracene	10	N.D.	2-Methylnaphthalene	10	N.D.
Benz(a)anthracene	10	N.D.	2-Methylphenol	10	N.D.
Benzo(b)fluoranthene	10	N.D.	4-Methylphenol	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Naphthalene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	2-Nitroaniline	20	N.D.
Benzo(a)pyrene	10	N.D.	4-Nitroaniline	100	N.D.
Bis(2-chloroethyl)ether	10	N.D.	Nitrobenzene	40	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Nitrophenol	10	N.D.
Bis(2-ethylhexyl)phthalate	100	N.D.	N-Nitrosodiphenylamine	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Butyl benzyl phthalate	20	N.D.	Pentachlorophenol	40	N.D.
4-Chloroaniline	10	N.D.	Phenanthrene	10	N.D.
2-Chloronaphthalene	10	N.D.	Phenol	10	N.D.
4-Chloro-3-methylphenol	20	N.D.	Pyrene	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
Chrysene	10	N.D.	2,4,5-Trichlorophenol	20	N.D.
Dibenz(a,h)anthracene	20	N.D.	2,4,6-Trichlorophenol	20	N.D.
Dibenzofuran	10	N.D.			
Di-N-butyl phthalate	20	N.D.			
1,3-Dichlorobenzene	10	N.D.			
1,4-Dichlorobenzene	10	N.D.			
1,2-Dichlorobenzene	10	N.D.			
3,3-Dichlorobenzidine	40	N.D.			
2,4-Dichlorophenol	10	N.D.			
Dimethyl phthalate	10	N.D.			
4,6-Dinitro-2-methylphenol	40	N.D.			
2,4-Dinitrophenol	100	N.D.			
2,4-Dinitrotoluene	10	N.D.			
2,6-Dinitrotoluene	10	N.D.			
Di-N-octyl phthalate	40	N.D.			
Fluoranthene	10	N.D.			
Fluorene	10	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	59%
Phenol-d6 (10-94)	60%
2,4,6-Tribromophenol (10-123)	83%
Nitrobenzene-d5 (35-114)	62%
2-Fluorobiphenyl (43-116)	64%
Terphenyl-d14 (33-141)	94%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	N.D.	HF18ME1W	6/24/98
Antimony	EPA 6010	0.010	1.0	N.D.	HF18ME1W	6/24/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Barium	EPA 6010	0.010	1.0	N.D.	HF18ME1W	6/24/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	HF18ME1W	6/24/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Calcium	EPA 6010	0.10	1.0	N.D.	HF18ME1W	6/24/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Cobalt	EPA 6010	0.010	1.0	N.D.	HF18ME1W	6/24/98
Iron	EPA 6010	0.020	1.0	N.D.	HF18ME1W	6/24/98
Lead	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Magnesium	EPA 6010	0.020	1.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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Attention: Richard Scott

Method Blank

Reported: Jul 2, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	N.D.	HF18ME1W	6/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	HF16HG1W	6/16/98
Nickel	EPA 6010	0.010	1.0	N.D.	HF18ME1W	6/24/98
Selenium	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Sodium	EPA 6010	0.50	1.0	N.D.	HF18ME1W	6/24/98
Thallium	EPA 6010	0.0050	1.0	N.D.	HF18ME1W	6/24/98
Vanadium	EPA 6010	0.010	1.0	N.D.	HF18ME1W	6/24/98
Zinc	EPA 6010	0.020	1.0	N.D.	HF18ME1W	6/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Antimony	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Barium	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HF20ME1S	6/25/98
Calcium	EPA 6010	50	1.0	N.D.	HF20ME1S	6/26/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Iron	EPA 6010	5.0	1.0	N.D.	HF20ME1S	6/25/98
Lead	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Magnesium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Method Blank

Reported: Jul 2, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Mercury	EPA 7470	0.020	1.0	N.D.	HF17HG1S	6/17/98
Nickel	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Selenium	EPA 6010	2.0	1.0	N.D.	HF20ME1S	6/25/98
Sodium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/24/98
Thallium	EPA 6010	10	1.0	N.D.	HF20ME1S	6/25/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HF20ME1S	6/25/98
Zinc	EPA 6010	5.0	1.0	N.D.	HF20ME1S	6/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 6/17/98

Sample: HF01716

Batch: HF17081W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	35	25	55	56	80%	84%	1.8%	82%	20	25-190
1,1-Dichloroethene	0	25	24	23	96%	92%	4.3%	94%	50	45-165
MTBE	2.7	25	25	27	89%	97%	7.7%	93%	25	60-150
1,1-Dichlororethane	0.1	25	22	21	88%	84%	4.7%	86%	20	55-160
Chloroform	0	25	22	22	88%	88%	0%	88%	20	60-150
1,2-Dichlororethane	0.4	25	22	22	86%	86%	0%	86%	20	40-160
Benzene	16.8	25	38	38	85%	85%	0%	85%	20	65-140
Trichloroethene	0.4	25	24	24	94%	94%	0%	94%	20	65-130
Toluene	2.5	25	25	25	90%	90%	0%	90%	20	70-135
Tetrachloroethene	0	25	23	23	92%	92%	0%	92%	20	50-155
Chlorobenzene	0.9	25	24	24	92%	92%	0%	92%	20	75-130
Ethylbenzene	9.7	25	32	32	89%	89%	0%	89%	20	70-135
m,p-Xylenes	5.4	50	49	49	87%	87%	0%	87%	20	65-140
o-Xylene	1.7	25	23	23	85%	85%	0%	85%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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LCS DATA REPORT

EPA METHOD: 8260

Date: 6/17/98

Batch: HF17081W

Analyte	St	R1	PR	Acceptance Limits
	ppb	ppb	%	%
Vinyl Chloride	25	31	124%	40-145
1,1-Dichloroethene	25	28	112%	55-145
MTBE	25	31	124%	60-140
1,1-Dichlororethane	25	30	120%	60-140
Chloroform	25	30	120%	65-135
1,2-Dichlororethane	25	28	112%	55-135
Benzene	25	28	112%	65-135
Trichloroethene	25	26	104%	70-130
Toluene	25	26	104%	70-125
Tetrachloroethene	25	25	100%	65-130
Chlorobenzene	25	25	100%	75-125
Ethylbenzene	25	26	104%	70-125
m,p-Xylenes	50	52	104%	70-130
o-Xylene	25	27	108%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

DEL MAR ANALYTICAL

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Water

Date: 6/16/98

Sample: HF02062

Batch: HF16091W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0	25	23	23	92%	92%	0.0%	92%	20	25-190
1,1-Dichloroethene	0	25	24	24	96%	96%	0.0%	96%	50	45-165
MTBE	0	25	25	28	100%	112%	11%	106%	25	60-150
1,1-Dichlororethane	0	25	23	24	92%	96%	4.3%	94%	20	55-160
Chloroform	0	25	23	24	92%	96%	4.3%	94%	20	60-150
1,2-Dichlororethane	0	25	23	24	92%	96%	4.3%	94%	20	40-160
Benzene	0	25	22	22	88%	88%	0.0%	88%	20	65-140
Trichloroethene	0	25	23	24	92%	96%	4.3%	94%	20	65-130
Toluene	0.1	25	22	23	88%	92%	4.4%	90%	20	70-135
Tetrachloroethene	0.2	25	24	24	95%	95%	0.0%	95%	20	50-155
Chlorobenzene	0	25	23	23	92%	92%	0.0%	92%	20	75-130
Ethylbenzene	0	25	23	23	92%	92%	0.0%	92%	20	70-135
m,p-Xylenes	0	50	44	44	88%	88%	0.0%	88%	20	65-140
o-Xylene	0	25	23	23	92%	92%	0.0%	92%	25	70-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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LCS DATA REPORT

EPA METHOD: 8260

Date: 6/16/98

Batch: HF16091W

Analyte	St	R1	PR	Acceptance Limits
	ppb	ppb	%	%
Vinyl Chloride	25	28	112%	40-145
1,1-Dichloroethene	25	27	108%	55-145
MTBE	25	30	120%	60-140
1,1-Dichlororethane	25	26	104%	60-140
Chloroform	25	26	104%	65-135
1,2-Dichlororethane	25	26	104%	55-135
Benzene	25	25	100%	65-135
Trichloroethene	25	26	104%	70-130
Toluene	25	25	100%	70-125
Tetrachloroethene	25	26	104%	65-130
Chlorobenzene	25	25	100%	75-125
Ethylbenzene	25	25	100%	70-125
m,p-Xylenes	50	48	96%	70-130
o-Xylene	25	25	100%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

DEL MAR ANALYTICAL

Del Mar Analytical

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MS/MSD DATA REPORT

EPA METHOD: 8260
Matrix: Soil

Date: 6/18/98

Sample: HF01715

Batch: HF18081S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Vinyl Chloride	0.10	25	20	18	80%	72%	10.5%	76%	30	30-160
1,1-Dichloroethene	0	25	23	21	92%	84%	9.09%	88%	40	45-165
MTBE	0.20	25	24	23	95%	91%	4.26%	93%	40	55-155
1,1-Dichlororethane	0	25	21	21	84%	84%	0%	84%	20	55-150
Chloroform	0.20	25	24	24	95%	95%	0%	95%	20	65-140
1,2-Dichlororethane	0	25	21	22	84%	88%	4.65%	86%	30	55-145
Benzene	1.90	25	23	23	84%	84%	0%	84%	25	60-140
Trichloroethene	0.20	25	23	22	91%	87%	4.44%	89%	30	60-145
Toluene	6.30	25	28	28	87%	87%	0%	87%	20	65-140
Tetrachloroethene	0	25	23	22	92%	88%	4.44%	90%	50	10-200
Chlorobenzene	0	25	23	22	92%	88%	4.44%	90%	20	70-135
Ethylbenzene	13.2	25	36	34	91%	83%	5.71%	87%	20	70-140
m,p-Xylenes	57.5	50	97	94	79%	73%	3.14%	76%	20	40-160
o-Xylene	18.0	25	39	38	84%	80%	2.60%	82%	20	65-150

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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LCS DATA REPORT

EPA METHOD: 8260

Date: 6/18/98

Batch: HF18081S

Analyte	St ppb	R1 ppb	PR %	Acceptance Limits %
Vinyl Chloride	25	24	96%	40-145
1,1-Dichloroethene	25	25	100%	55-145
MTBE	25	28	112%	60-140
1,1-Dichlororethane	25	24	96%	60-140
Chloroform	25	24	96%	65-135
1,2-Dichlororethane	25	23	92%	55-135
Benzene	25	23	92%	65-135
Trichloroethene	25	28	112%	70-130
Toluene	25	25	100%	70-125
Tetrachloroethene	25	25	100%	65-130
Chlorobenzene	25	25	100%	75-125
Ethylbenzene	25	25	100%	70-125
m,p-Xylenes	50	48	96%	70-130
o-Xylene	25	24	96%	70-135

Definition of Terms:

St. . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

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MS/MSD DATA REPORT

EPA METHOD: 8270
Matrix: Soil

Date: 6/15/98

Sample: LCS/LCSD *

Batch: HF15SE1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	MPR
Phenol	0	50	31	31	62%	62%	0%	62%	35	10-112
2-Chlorophenol	0	50	32	31	64%	62%	3.2%	63%	50	23-134
1,4-Dichlorobenzene	0	50	29	29	58%	58%	0%	58%	27	20-124
N-Nitroso-di-n-propylamine	0	50	34	37	68%	74%	8.5%	71%	38	41-126
1,2,4-Trichlorobenzene	0	50	31	30	62%	60%	3.3%	61%	38	44-142
4-Chloro-3-methylphenol	0	50	37	39	74%	78%	5.3%	76%	33	22-147
Acenaphthene	0	50	38	38	76%	76%	0%	76%	19	47-145
2,4-Dinitrotoluene	0	50	39	41	78%	82%	5.0%	80%	47	39-139
4-Nitrophenol	0	50	39	40	78%	80%	2.5%	79%	50	10-132
Pentachlorophenol	0	50	38	37	76%	74%	2.7%	75%	47	17-109
Pyrene	0	50	44	45	88%	90%	2.2%	89%	36	52-115

* LCS/LCSD performed in lieu of MS/MSD due to insufficient amount of sample provided.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

METHOD: METALS
Instrument: ICP
Matrix: Water

Date 6/24/98
Sample: HF01717
Batch: HF18ME1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Antimony	0	1.0	1.0	1.01	100%	101%	0.20%	101%	20	80-120
Arsenic	0.030	1.0	1.01	1.02	98%	99%	0.69%	98%	20	80-120
Barium	0.080	1.0	0.997	1.01	92%	93%	1.5%	92%	20	80-120
Beryllium	0	1.0	0.915	0.930	92%	93%	1.6%	92%	20	80-120
Cadmium	0	1.0	0.932	0.944	93%	94%	1.3%	94%	20	80-120
Calcium **	330	1.0	337	340	700%	1000%	0.89%	850%	20	80-120
Chromium	0	1.0	0.970	0.972	97%	97%	0.21%	97%	20	80-120
Cobalt	0	1.0	0.970	0.969	97%	97%	0.10%	97%	20	80-120
Copper	0	1.0	1.06	1.07	106%	107%	1.0%	106%	20	80-120
Iron *	2.20	1.0	4.49	4.55	229%	235%	1.4%	232%	20	80-120
Lead	0.039	1.0	0.967	0.969	93%	93%	0.21%	93%	20	80-120
Magnesium **	110	1.0	106	108	0%	0%	1.9%	0%	20	80-120
Manganese	0.470	1.0	1.40	1.42	93%	95%	1.4%	94%	20	80-120
Molybdenum	0	1.0	0.971	0.975	97%	98%	0.41%	97%	20	80-120
Nickel	0	1.0	0.934	0.928	93%	93%	0.64%	93%	20	80-120
Selenium	0	1.0	0.872	0.870	87%	87%	0.23%	87%	20	80-120
Silver	0	0.20	0.181	0.183	91%	92%	1.1%	91%	20	80-120
Sodium **	1040	1.0	1047	1069	700%	2900%	2.1%	1800%	20	80-120
Thallium	0	1.0	0.877	0.900	88%	90%	2.6%	89%	20	80-120
Vanadium	0	1.0	0.944	0.956	94%	96%	1.3%	95%	20	80-120
Zinc	0	1.0	0.992	1.027	99%	103%	3.5%	101%	20	80-120

* The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

** Due to high levels of analyte in the sample, the MS?MSD calculation does not provide useful spike recovery. See LCS for batch validation.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

METHOD: METALS
Instrument: ICP

Date 6/24/98
Batch: HF18ME1W

Analyte	St (ppm)	R1 (ppm)	PR (%)	Acceptance Limits (%)
Calcium	1.0	0.982	98%	80-120
Iron	1.0	0.937	94%	80-120
Magnesium	1.0	0.947	95%	80-120
Sodium	1.0	0.990	99%	80-120

Definition of Terms:

St. .... Concentration of standard added to blank.

R1 .... Standard Result

PR .... Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 7470
Matrix: Water

Date: 6/16/98

Sample: HF01921

Batch: HF16HG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Mercury	0	0.0080	0.0077	0.0078	96%	98%	2.06%	97%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100

Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

EPA METHOD: 7470

Date: 6/16/98

Batch: HF16HG1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	%
Mercury	0.0080	0.0077	96%	80-120

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . Statistically determined on an annual basis.

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MS/MSD DATA REPORT

METHOD: METALS
Instrument: ICP
Matrix: Soil

Date Analyzed: 6/25/98

Sample: HF01960

Batch: HF20ME1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Antimony	0	50	39.8	45.3	80%	91%	12.9%	85%	20	80-120
Arsenic	0.00	50	47.0	51.3	94%	103%	8.75%	98%	20	80-120
Barium **	15.4	50	185	191	339%	351%	3.19%	345%	20	80-120
Beryllium	0	50	43.0	44.3	86%	89%	2.98%	87%	20	80-120
Cadmium	0	50	48.8	50.3	98%	101%	3.03%	99%	20	80-120
Calcium **	310000	50	278000	260000	0%	0%	6.69%	0%	20	80-120
Chromium	0	50	40.0	41.5	80%	83%	3.68%	82%	20	80-120
Cobalt *	0	50	60.0	61.5	120%	123%	2.47%	122%	20	80-120
Copper	24.5	50	69.0	71.5	89%	94%	3.56%	92%	20	80-120
Iron **	709	50	850	870	282%	322%	2.33%	302%	20	80-120
Lead	0	50	43.0	46.3	86%	93%	7.39%	89%	20	80-120
Magnesium **	3400	50	3100	3200	0%	0%	3.17%	0%	20	80-120
Manganese **	520	50	534	548	28%	56%	2.59%	42%	20	80-120
Molybdenum	0	50	40.5	41.5	81%	83%	2.44%	82%	20	80-120
Nickel	0	50	52.3	55.3	105%	111%	5.58%	108%	20	80-120
Selenium	0	50	43.5	41.8	87%	84%	3.99%	85%	20	80-120
Silicon **	337	50	356	380	38%	86%	6.52%	62%	20	80-120
Silver *	0	10	0	0	0%	0%	N/C	N/C	20	80-120
Thallium *	0	50	34.3	45.8	69%	92%	28.7%	80%	20	80-120
Vanadium	0	50	45.8	47.5	92%	95%	3.64%	93%	20	80-120
Zinc	84	50	130	138	92%	108%	5.97%	100%	20	80-120

* The MS/MSD recoveries and/or RPD were outside of acceptance limits due to sample matrix effects. See LCS for batch validation.

** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See LCS for batch validation.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

METHOD: METALS
Instrument: ICP

Date Analyzed: 6/25/98

Batch: HF20ME1S

Analyte	St ppm	R1 ppm	PR %	Acceptance Limits %
Barium	50	50.6	101%	80-120
Calcium	50	40.0	80%	80-120
Cobalt	50	47.8	96%	80-120
Iron	50	44.2	88%	80-120
Magnesium	50	46.4	93%	80-120
Manganese	50	45.2	90%	80-120
Silicon	50	46.3	93%	80-120
Silver	10	9.30	93%	80-120
Thallium	50	48.1	96%	80-120

Definition of Terms:

St. . . . . . Concentration of standard added to blank.

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . . . Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 7471
Matrix: Soil

Date: 6/17/98

Sample: HF02329

Batch: HF17HG1S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Mercury	0	0.80	0.796	0.782	100%	98%	1.77%	99%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100

Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

EPA METHOD: 7471

Date: 6/17/98

Batch: HF17HG1S

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	PR
Mercury	0.80	0.716	90%	80-120

Definition of Terms:

St. . . . . Standard Concentration

R1 . . . . . Standard Result

PR . . . . . Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. . . . Statistically determined on an annual basis.

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MS/MSD* DATA REPORT

EPA METHOD: 413.2
Matrix: Water

Date: 6/19/98

Sample: BLANK

Batch: HF19IG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Hydrocarbons	0	5.0	4.7	4.6	94%	92%	2.2%	93%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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LCS DATA REPORT

EPA METHOD: 413.2

Date: 6/19/98

Batch: HF19IG1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	PR
Hydrocarbons	5.0	6.2	124%	80-120

Definition of Terms:

St. ..... Concentration of standard added to blank.

R1 ..... Standard Result

PR ..... Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. ..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

EPA METHOD: 418.1
Matrix: Water

Date: 6/17/98

Sample: Blank

Batch: HF17TH1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Hydrocarbons	0	5.0	4.6	4.8	92%	96%	4.3%	94%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

LCS DATA REPORT

EPA METHOD: 418.1

Date: 6/17/98

Batch: HF17TH1W

Analyte	St	R1	PR	Acceptance Limits
	ppm	ppm	%	%
Hydrocarbons	5.0	6.1	122%	80-120

Definition of Terms:

St. ..... Concentration of standard added to blank.

R1 ..... Standard Result

PR ..... Percent Recovery of R1; (R1 / St) X 100

Acceptance Limits. ..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

CHAIN OF CUSTODY RECORD

Ship To: Del Mar Analytical
Attn:

Page 1 of 4
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 6 / 11 / 98

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	VOCs (8260)	2-CNE (8260)	8080 (PCBs)	8270 (SVOCs)	Oil & Grease	TPH	BTX	Tot. Sulfide	TSS	TDS	pH	Hardness	Bacteria & Pop	Metals	Alkalinity	Remarks
WDI- Ex-2	1	—	6/11	0630	X					40ml	3	VOA	HCl	X															
										40ml	2	VOA	—		X														
										1L	3	Amb	—			X	X				X								
										500ml	1	Poly	HNO_3													X			
										1L	1	Poly	—									X	X	X	X			X	
										1L	2	Amb	HCl					X	X										
										500ml	1	Poly	NaOH													X			
WDI-P-1 [redacted]	2	—		800						40ml	2	VOA	HCl	X															
										40ml	2	VOA	—		X														
										1L	4	Amb	—			X	X				X								
										1L	2	Amb	HCl					X	X										
										1L	1	Poly	—									X	X	X	X			X	
										500ml	1	Poly	HNO_3														X		
										500ml	1	Poly	NaOH													X			

Total Number of Samples Shipped: 26 Shipper's Signature: Alexandra M. Daly

	Signature	Company	Date	Time
Relinquished by:	Alexandra M. Daly	TRC	6/11/98	6:20
Received by:	[illegible]	DelMAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- Any questions call Richard Scott (TRC)
- WDI-P-1 analyze aqueous phase only
- Possible air bubbles in VOA due to reaction w/ HCl
- WDI-EX-2 analyze aqueous phase only

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

- N[redacted]al transmittal [illegible] and [illegible]

TRC

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: DEL MAR ANALYTICAL

Attn:

Page 2 of 4

Project Name: WDI

Project No.: 94-256

Site Location: Santa Fe Spring, CA

Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	VOCs (8260)	2-CVE (8260)	8080 (Pesticides)	8270 (SVOCs)	METALS	Simulated Distillation	Oil & Grease	TRPH	BTU Heating Value	TSS	TDS	Alkalinity	pH	Hardness	Sulfur (TOTAL)	Bacterial Pop
WDI-P-1-Free	3	–	6/11	0800	X					40ml	2	VOA	HCl	X															
↓	↓	↓	↓	↓	↓					40ml	2	VOA	–		X														
										1L	3	Amb	–			X	X		X										
										1L	1	Amb	HCl							X	X	✓	Pk 6/13/98 per R.S.				✓		
↓	↓			↓						500ml	1	Poly	HNO3					X											
WDI-VW-9	4			0830						40ml	2	VOA	HCl	X															
↓	↓			↓						40ml	2	VOA	–		X														
										1L	4	Amb	–			X	X										X		
										1L	2	Amb	HCl							X	X								
										1L	1	Poly	–										X	X	X	X	X		
										500ml	1	Poly	HNO3					X											
↓	↓			↓						500ml	1	Poly	NaOH															X	
WDI-VW-9-Free	5			1100						40ml	2	VOA	HCl	X															
										40ml	2	VOA	–		X														
↓	↓	↓	↓	↓	↓					1L	2	Amb	–			X	✓		X										

Total Number of Samples Shipped: 28 Shipper's Signature: Alexandra M. Daly Pk 6/13/98 per R.S.

	Signature	Company	Date	Time
Relinquished by:	Alexandra M. Daly	TRC	6/11/98	6:20
Received by:		DelMAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- WDI-P-1-Free and WDI-VW-9-Free analyze free phase only
- WDI-VW-9 analyze aqueous phase only
- VOAs may have bubbles due to HCl addition

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: DEL MAR ANALYTICAL
Attn:

Page 3 of 4
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Spring, CA
Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8260 (VOCs)	8260 (2-CVE)	8270 (SVOCs)	METALS	8080 (PCBs, Pest Kides)	Simulated Distillation	Oil & Grease	TPH	BTU Heating	TSS	TDS	Alkalinity	pH	Sulfur (Total)	Bacterial Pop.	Hazelness
WDI-VW-9-Free	5	—	6/11	1100	X					1L	2	Amb	HCl							X	X								
↓	↓	↓	↓	↓	↓					1L	1	Poly	—									✓	X	X			✓		
										500ml	1	Poly	HNO_3				X												
									50%	[illegible]	1	Poly	$NaSO_4$															X	
WDI-PB-2	6			100						40ml	2	VOA	HCl	X															
↓	↓			↓						40ml	2	VOA	—		X														
										1L	2	Amb	—			X		X											
										500ml	1	Poly	HNO_3				X												
WDI-PB-2-Free	7			100						40ml	2	VOA	HCl	X															
↓	↓			↓						40ml	2	VOA	—	~~X~~	X														
										1L	3	Amb	—			X		X	X										
										500ml	1	Poly	HNO_3				X												
WDI-PB-6	8			130						40ml	2	VOA	HCl	X															
↓	↓	↓	↓	↓	↓					40ml	2	VOA	—		X														
										1L	2	Amb	—			X		X											

Remarks: TPH 6/13/98 per R.S.

Total Number of Samples Shipped: 26 Shipper's Signature: Alexander M. Baly

	Signature	Company	Date	Time
Relinquished by:	Alexander M. Baly	TRC	6/11/98	6:20
Received by:	[signature]	Del Mar	6/4/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- WDI-VW-9-Free, WDI-PB-2-free analyze free-phase only
- WDI-PB-2 and -PB-6 analyze aqueous phase only

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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Walnut Creek, California 94598

Ship To: DEL MAR ANALYTICAL
Attn:

Page 4 of 4
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Spring, CA
Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Solid	Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8260 (VOCs)	8260 (2-CVE)	8270 (SVOCs)	METALS	8080 (Pesticides)	Simulated Distillation	Oil & Grease	TPH	BTU Heating	TSS	TDS	Alkalinity	pH	Sulfur (Total)	Bacterial pop.	Hardness	Remarks
WDI-PB-6	8	—	6/11	1830	X					500ml	1	Poly	HNO3				X													
WDI-PB-4	9	—		1450						40ml	2	VOA	HCl	X																
										40ml	2	VOA	—		X															
										1L	2	Amb	—			X		X												
										500ml	1	Poly	HNO3				X													
WDI-TRIP BLANK	10			—						40ml	2	VOA	HCl	X																

Total Number of Samples Shipped: 10 Shipper's Signature: Alexander N. Kelly

	Signature	Company	Date	Time
Relinquished by:	Alexander N. Kelly	TRC	6/11/98	4:30
Received by:	[illegible]	DelMAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- WDI-PB-6 and -4 aqueous phase only ~~[illegible]~~ analysis

TRC

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Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-3401

July 9, 1998

TRC Environmental Solutions, Inc.
21 Technology Drive
Ivrine, CA 92618

Attention: Richard Scott

Subject: Waste Disposal Inc. (Sampled: June 11, 1998)
Del Mar Analytical Number: HE01709.TRC

Dear Mr. Scott:

The microbiological analyses of your samples were performed by Truesdail Laboratories, Inc. The cross-reference identification is as follows:

Client Proj.	Client ID	Del Mar ID	Truesdail ID
94-256	WDI-EX-2	HF01709	202037
94-256	WDI-P-1	HE01710	202037
94-256	WDI-VW-9	HE01712	202037
94-256	WDI-VW-9-Free	HE01713	202037

The attached report is the original from Truesdail Laboratories, Inc. If you have any questions or need further clarification, please do not hesitate to contact me.

Sincerely,

DEL MAR ANALYTICAL

Pat Abe
Project Manager

TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES
Established 1931
14201 FRANKLIN AVENUE • TUSTIN, CALIFORNIA 92780-7008
PHONE (714) 730-6239 • FAX (714) 730-6462

REPORT

Del Mar Analytical
2852 Alton Avenue
Irvine, CA 92714
Attn: Pat Abe

Date: 07/08/98
Received: 06/12/98
Lab No: 202037

Samples: Four Liquids
Collection Date: 06/11/98
Project/P.O. No.: 94-256 WDI
Date of Analysis: 06/12/98

Investigation: Total Heterotrophic Bacteria Plate Count Method 9215B APHA Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992; Facultative Anaerobic Bacteria MPN Method FDA Bacteriological Manual, 6th Ed., 1984; Speciation of Predominate Organism by Oxi-Ferm II Method

RESULTS

SAMPLE NUMBER	ANAEROBIC BACTERIA MPN*/ML	PLATE COUNT CFU**/ML	PREDOMINATE SPECIES
HF01709	430	10	Alcaligenes denitrificans or Pseudomonas acidovorans
HFO1710	930,000	55,000	As above
HFO1712	75,000	9,500	As above
HFO1713	93,000	80,000	As above

*Most probable number.
**Colony-forming units.

Note: Bacto Fluid Thioglycollate Broth was used in this method (incubation for six days @ 35°C). Growth would be due mostly to facultative anaerobic and micro-aerophilic bacteria. Strict anaerobes are unlikely to grow in this medium.

Plate counts were conducted using Plate Count Agar, 48 hrs. @ 35°C. Speciation was from isolates of plate counts only.

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

Sherron Leno
Senior Microbiologist

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

CORE LAB

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 980851
Prepared For:

Del Mar Analytical
Pat Abe
2852 Alton Ave.
Irvine, CA 92606

Date: 07/15/98

George Sunna'a
Signature

7/15/98
Date:

Name: George M. Sunna'a

Core Laboratories-Carson
21730 S. Wilmington Suite 201
Carson, CA 90810

Title: Laboratory Supervisor

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CORE LABORATORIES

LABORATORY TESTS RESULTS

07/15/98

JOB NUMBER: 980851 CUSTOMER: Del Mar Analytical ATTN: Pat Abe

SAMPLE NUMBER: 1 DATE RECEIVED: 07/06/98 TIME RECEIVED: 08:44 SAMPLE DATE: 06/11/98 SAMPLE TIME: 00:00

PROJECT: WDI-EX-2, HG00645 SAMPLE: WDI-EX-2, HG00645 REM: 1 Quart Plastic Bottle

SAMPLE NUMBER: 2 DATE RECEIVED: 07/06/98 TIME RECEIVED: 08:44 SAMPLE DATE: 06/11/98 SAMPLE TIME: 00:00

PROJECT: WDI-P -1, HG00646 SAMPLE: WDI-P -1, HG00646 REM: 1 Quart Amber Glass Bottle

SAMPLE NUMBER: 3 DATE RECEIVED: 07/06/98 TIME RECEIVED: 08:44 SAMPLE DATE: 06/11/98 SAMPLE TIME: 00:00

PROJECT: WDI-P-1 Free HG00647 SAMPLE: WDI-P-1 Free HG00647 REM: 1 Quart Amber Glass Bottle

SAMPLE NUMBER: 4 DATE RECEIVED: 07/06/98 TIME RECEIVED: 08:44 SAMPLE DATE: 06/11/98 SAMPLE TIME: 00:00

PROJECT: WDI-VW-9 HG00648 SAMPLE: WDI-VW-9 HG00648 REM: 1 Quart Amber Glass Bottle

SAMPLE NUMBER: 5 DATE RECEIVED: 07/06/98 TIME RECEIVED: 08:44 SAMPLE DATE: 06/11/98 SAMPLE TIME: 00:00

PROJECT: WDI-VW-9 Free HG00649 SAMPLE: WDI-VW-9 Free HG00649 REM: 1 Quart Plastic Bottle

TEST DESCRIPTION	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5		UNITS OF MEASURE
Heating Value, (Gross)			9957		4186		BTU/lb
Sulfur by X-ray Spectrometry	0.036	0.750	0.779	0.690	0.577		Wt.%

21730 S. Wilmington Suite 201
Carson, CA 90810
(310) 513-2031

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HF01709.TRC

Ship To: Del Mar Analytical
Attn:

Page 1 of 4
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: VOCs (8260)	2-QVE (8260)	8080 (PCBs/Pest.)	8270 (SVOCs)	Oil & Grease	TRPH	BTU	Tot. Sulfur	TSS	TDS	pH	Hardness	Bacterial Pop.	Metals	Alkalinity
WDI- Ex-2	1	—	6/11	0630	X					40ml	3	VOA	HCl	X														
										40ml	2	VOA	—		X													
										1L	3	Amb	—			X	X				X							
										500ml	1	Poly	HNO_3														X	
										1L	1	Poly	—									X	X	X	X			X
										1L	2	Amb	HCl					X	X									
										50ml	1	Poly	$NaSO_4$													X		
WDI-P-1 [redacted] 2		—		800						40ml	2	VOA	HCl	X														
										40ml	2	VOA	—		X													
										1L	4	Amb	—			X	X				X							
										1L	2	Amb	HCl					X	X									
										1L	1	Poly	—									X	X	X	X			X
										500ml	1	Poly	HNO_3														X	
										50ml	1	Poly	$NaSO_4$													X		

Total Number of Samples Shipped: 26 Shipper's Signature: Alexander M. Esaly

	Signature	Company	Date	Time
Relinquished by:	Alexander M. Esaly	TRC	6/11/98	6:20
Received by:	[signature]	Del Mar	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- Any questions call Richard Scott (TRC)
- WDI-P-1 analyze aqueous phase only
- Possible air bubbles in VOA due to reaction w/ HCl
- WDI-EX-2 analyze aqueous phase only

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Walnut Creek, California 94598

Ship To: DEL MAR ANALYTICAL

Attn:

Page 2 of 4

Project Name: WDI

Project No.: 94-256

Site Location: Santa Fe Spring, CA

Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	VOCs (8260)	2-CVE (8260)	8080 (Pesticides)	8270 (SVOCs)	METALS	Simulated Distillate	Oil & Grease	TRPH	BTU Heating Value	TSS	TDS	Alkalinity	pH	Hardness	Sulfur (TOTAL)	Bacterial Pop	Remarks
WDI-P-1-Free	3	–	6/11	0800	X					40ml	2	VOA	HCl	X																
↓	↓	↓	↓	↓	↓					40ml	2	VOA	–		X															
										1L	3	Amb	–			X	X		X	X	X	✓					✓			←
										1L	1	Amb	HCl							X	X									←
↓	↓	↓	↓	↓						500ml	1	Poly	HNO3					X												
WDI-VW-9	4			0830						40ml	2	VOA	HCl	X																
↓	↓	↓	↓	↓	↓					40ml	2	VOA	–		X															
										1L	4	Amb	–			X	X										X			
										1L	2	Amb	HCl							X	X									
										1L	1	Poly	–										X	X	X	X	X			
										500ml	1	Poly	HNO3					X												
↓	↓	↓	↓	↓	↓					500ml	1	Poly	NaOH															X		
WDI-VW-9-Free	5			1100						40ml	2	VOA	HCl	X																
↓	↓	↓	↓	↓	↓					40ml	2	VOA	–		X															
										1L	2	Amb	–			X	✓		X			✓					✓			←

Total Number of Samples Shipped: 28 Shipper's Signature: Alexandra M. Baly

	Signature	Company	Date	Time
Relinquished by:	Alexandra M. Baly	TRC	6/11/98	6:20
Received by:		DELMAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling / Storage Requirements:
- WDI-P-1-Free and WDI-VW-9-Free analyze free phase only
- WDI-VW-9 analyze aqueous phase only
- VOAs may have bubbles due to HCl addition

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

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Ship To: DEL MAR ANALYTICAL
Attn:

Page 3 of 4
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Spring, CA
Date: 6, 11, 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8260 (VOCs)	8260 (2-CVE)	8270 (SVOCs)	METALS	8080 (Pesticides)	Simulated Distillat	Soil & Grease	TPH	BTU Heating	TSS	TDS	Alkalinity	pH	Sulfur (Total)	Bacteria (Total) Pop.	Hardness	Remarks
WDI-VW-9-Free	5	—	6/11	1100	X					1L	2	Amb	HCl							X	X		X	X						
										1L	1	Poly	—										X	X						
										500ml	1	Poly	HNO_3				X													
									SP	500ml	1	Poly	NaOH														X		
WDI-PB-2	6			1100						40ml	2	VOA	HCl	X																
										40ml	2	VOA	—		X															
										1L	2	Amb	—			X		X												
										500ml	1	Poly	HNO_3				X													
WDI-PB-2-Free	7			100						40ml	2	VOA	HCl	X																
										40ml	2	VOA	—	X	X															
										1L	3	Amb	—			X		X	X											
										500ml	1	Poly	HNO_3				X													
WDI-PB-6	8			130						40ml	2	VOA	HCl	X																
										40ml	2	VOA	—		X															
										1L	2	Amb	—			X		X												

Total Number of Samples Shipped: 26 Shipper's Signature: Alexander N. Daly

	Signature	Company	Date	Time
Relinquished by:	Alexander N. Daly	TRC	6/11/98	6:20
Received by:		DEL MAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- WDI-VW-9-Free, WDI-PB-2-free analyze free-phase only
- WDI-PB-2 and -PB-6 analyze aqueous phase only

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

TRC

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: DEL MAR ANALYTICAL
Attn:

Page 4 of 4
Project Name: WDT
Project No.: 94-256
Site Location: Santa Fe Spring, CA
Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8260 (VOCs)	8260 (2-CVE)	8270 (SVOCs)	METALS	8080 (Pesticides)	Simulated Distillation	Oil & Grease	TPH	BTU Heating	TSS	TDS	Alkalinity	pH	Sulfur (Total)	Bacterial pop.	Hardness	Remarks
WDI-PB-6	8	—	6/11	1800	X					500ml	1	Poly	HNO3				X													
WDI-PB-4	9	—		1845						40ml	2	VOA	HCl	X																
										40ml	2	VOA	—		X															
										1L	2	Amb	—			X		X												
										500ml	1	Poly	HNO3				X													
WDI-TRIP BLANK	10			—						40ml	2	VOA	HCl	X																

Total Number of Samples Shipped: 10 Shipper's Signature: Alexandra N. Baly

	Signature	Company	Date	Time
Relinquished by:	Alexandra N. Baly	TRC	6/11/98	4:30
Received by:		DelMAR	6/11/98	6:20
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
- WDI-PB-6 and -4 aqueous phase only ~~and~~ analysis

TRC

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
1172 Pelican Bay Drive
Daytona Beach, Florida 32119

☐ ENVIRONMENTAL SOLUTIONS, INC.
1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : WD1-EX-2
PAI Sample ID : P9800970-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 6/11/98
Date Received : 6/11/98
Date Analyzed : 6/22/98
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.2

D.F. = 1.19

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1,000	ND	490
75-01-4	Vinyl Chloride	87,000	1,000	34,000	390
75-00-3	Chloroethane	ND	1,000	ND	380
74-83-9	Bromomethane	ND	1,000	ND	260
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	590 TR	1,000	150 TR	250
75-09-2	Methylene chloride	2,700	1,000	780	290
75-15-0	Carbon Disulfide	ND	1,000	ND	320
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
156-60-5	trans-1,2-Dichloroethene	5,600	1,000	1,400	250
156-59-2	cis-1,2-Dichloroethene	61,000	1,000	15,000	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	2,300	1,000	790	340
67-66-3	Chloroform	ND	1,000	ND	210
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	190
71-43-2	Benzene	35,000	1,000	11,000	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/24/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : WD1-EX-2
PAI Sample ID : P9800970-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 6/11/98
Date Received : 6/11/98
Date Analyzed : 6/22/98
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = 0.3
Pf 1 = 3.2

D.F. = 1.19

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	45,000	1,000	8,500	190
10061-01-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-pentanone	10,000	1,000	2,400	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	190
108-88-3	Toluene	58,000	1,000	15,000	270
124-48-1	Dibromochloromethane	ND	1,000	ND	120
591-78-6	2-Hexanone	ND	1,000	ND	240
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	3,100	1,000	460	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	5,900	1,000	1,400	230
75-25-2	Bromoform	ND	1,000	ND	98
100-42-5	Styrene	ND	1,000	ND	240
1330-20-7	m,p-Xylenes	27,000	1,000	6,200	230
95-47-6	o-Xylene	7,500	1,000	1,700	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	660 TR	1,000	110 TR	170

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/29/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : WD1-EX-2-FB
PAI Sample ID : P9800970-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 6/11/98
Date Received : 6/11/98
Date Analyzed : 6/22/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.4

D.F. = 1.20

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	2.6	1.0	1.3	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	25	1.0	11	0.42
75-69-4	Trichlorofluoromethane	2.2	1.0	0.40	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	76	1.0	22	0.29
75-15-0	Carbon Disulfide	3.3	1.0	1.1	0.32
76-13-1	Trichlorotrifluoroethane	1.2	1.0	0.16	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	3.2	1.0	0.81	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	4.4	1.0	1.2	0.28
108-05-4	Vinyl Acetate	2.7	1.0	0.78	0.28
78-93-3	2-Butanone	12	1.0	4.1	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	0.83 TR	1.0	0.15 TR	0.19
71-43-2	Benzene	4.4	1.0	1.4	0.31
56-23-5	Carbon Tetrachloride	0.99 TR	1.0	0.16 TR	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/29/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : WD1-EX-2-FB
PAI Sample ID : P9800970-002

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 6/11/98
Date Received : 6/11/98
Date Analyzed : 6/22/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.4
Pf 1 = 3.4

D.F. = 1.20

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	8.1	1.0	1.5	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	4.3	1.0	1.1	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	34	1.0	9.1	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	4.6	1.0	0.69	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	12	1.0	2.8	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	1.7	1.0	0.40	0.24
1330-20-7	m,p-Xylenes	60	1.0	14	0.23
95-47-6	o-Xylene	21	1.0	4.8	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	3.4	1.0	0.57	0.17
95-50-1	1,2-Dichlorobenzene	6.8	1.0	1.1	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/29/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Castool
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/22/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/29/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : TRC Environmental Solutions, Inc.

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 6/22/98
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT µg/M³	REPORTING LIMIT µg/M³	RESULT ppb	REPORTING LIMIT ppb
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 6/29/98

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Ship To: Performance Analytical
Attn:

Page 1 of 1
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 6 / 11 / 98

CHAIN OF CUSTODY RECORD

P9800970

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	Analysis: TO-14							Remarks	
WDI-EX-2	1	—	6/11	700			X			—	1	Summa Can	NA	X							-001	443
WDI-EX-2 FB	1	—	6/11	7:00			X			—	1	"	NA	X							-002	178

Total Number of Samples Shipped: 2 Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:		TRC	6/11/98	12:22
Received by:		Coast Courier	6-11-98	12:22
Relinquished by:				
Received by:		PAI	6-11-98	13:31
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:
Any questions contact Richard Scott (TRC)

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

TRC

☒ ENVIRONMENTAL SOLUTIONS, INC.
21 Technology Drive
Irvine, California 92718

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Daytona Beach, Florida 32119

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1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

APPENDIX B.3

EXTRACTION WELL EX-4 PUMP TEST DATA

TRC

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

September 17, 1998

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618

Attention: Richard Scott

Subject: Waste Disposal, Inc., Proj. 94-256 (Sampled: August 14, 1998)
Del Mar Analytical Number: HH01658.TRC

Dear Mr. Scott:

Attached are all of the results for the WDI samples received August 14, 1998, including the subcontracted analyses performed by Truesdail Laboratories, Inc. (microbial plate count/speciation) and CORE Laboratories (BTU and sulfur).

As previously discussed when this set of samples was received, metals analysis was to be added to the product sample, NDP-3 (Free), upon completion of all other analyses. Analysis for the twenty WDI metals is currently in progress.

The original report will be included in the Level IV data package along with all the QC data and the electronic deliverable. If you have any questions or need further clarification, please do not hesitate to contact me.

Sincerely,

DEL MAR ANALYTICAL

Pat Abe
Project Manager

cc: Alex Isaly

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

September 10, 1998

TRC Environmental Solutions, Inc.
21 Technology Drive
Ivrine, CA 92618

Attention: Richard Scott

Subject: Waste Disposal Inc. (Sampled: August 14, 1998)
Del Mar Analytical Number: HH01658.TRC

Dear Mr. Scott:

The microbiological analyses of your samples were performed by Truesdail Laboratories, Inc. The cross-reference identification is as follows:

Client Proj.	Client ID	Del Mar ID	Truesdail ID
94-256	EX-4	HH01658	202258
94-256	NSP-1	HH01659	202258
94-256	NSP-2	HH01660	202258
94-256	NSP-3	HH01661	202258
94-256	NDP-1	HH01662	202258
94-256	NDP-2	HH01663	202258
94-256	NDP-3	HH01665	202258

The attached report is the original from Truesdail Laboratories, Inc. If you have any questions or need further clarification, please do not hesitate to contact me.

Sincerely,

DEL MAR ANALYTICAL

Pat Abe
Project Manager

TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES
Established 1931
14201 FRANKLIN AVENUE • TUSTIN, CALIFORNIA 92780-7008
PHONE (714) 730-6239 • FAX (714) 730-6462

REPORT

Del Mar Analytical
2852 Alton Avenue
Irvine, CA 92714
Attn: Pat Abe

Date: 09/02/98
Received: 08/17/98
Lab No: 202258

Samples: Seven Liquids
Collection Date: 08/14/98
Project/P.O. No.: 94-256 WDI
Date of Analysis: 08/17/98

Investigation: Total Heterotrophic Bacteria Plate Count Method 9215B APHA Standard Methods for the Examination of Water and Wastewater, 18th Ed., 1992; Facultative Anaerobic Bacteria MPN Method FDA Bacteriological Manual, 6th Ed., 1984; Speciation of Predominate Organism by Oxi-Ferm II Method

RESULTS

SAMPLE NUMBER	ANAEROBIC BACTERIA MPN*/ML	PLATE COUNT CFU**/ML	PREDOMINATE SPECIES
HHO1658	75	40	Pseudomonas aeruginosa or Pseudomonas putida
HHO1659	930,000	80,000	Pseudomonas spp. (not aeruginosa)
HHO1660	930,000	60,000	Pseudomonas aeruginosa or Pseudomonas putida
HHO1661	930,000	210,000	As above
HHO1662	930,000	45,000	As above
HHO1663	1,500	1,300	Pseudomonas spp. (not aeruginosa)
HHO1665	2,400,000	2,900,000	Aeromonas hydrophila

*Most probable number.
**Colony-forming units.

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from these laboratories.

Note: Bacto Fluid Thioglycollate Broth was used in this method (incubation for six days @ 35°C). Growth would be due mostly to facultative anaerobic and micro-aerophilic bacteria. Strict anaerobes are unlikely to grow in this medium.

Plate counts were conducted using Plate Count Agar, 48 hrs. @ 35°C. Speciation was from isolates of plate counts only.

Respectfully submitted,
TRUESDAIL LABORATORIES, INC.

Sherron Leno

Sherron Leno
Senior Microbiologist

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CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 981118
Prepared For:

Del Mar Analytical
Pat Abe
2852 Alton Ave.
Irvine, CA 92606

Date: 09/11/98

Signature

Date: 9/11/98

Name: Greg L. Cook

Core Labs Carson Petroleum Srv
21730 S. Wilmington Suite 201
Carson, CA 90810

Title: Supervising Chemist

CORE LABORATORIES

LABORATORY TESTS RESULTS
09/11/98

JOB NUMBER: 981118 CUSTOMER: Del Mar Analytical ATTN: Pat Abe

CLIENT I.D.....: NDP-3[Free], #HHO 1664
DATE SAMPLED.....: 08/14/98
TIME SAMPLED.....: 00:00
WORK DESCRIPTION...: NDP-3[Free], #HHO 1664

LABORATORY I.D...: 981118-0001
DATE RECEIVED....: 09/04/98
TIME RECEIVED....: 09:30
REMARKS.....: 1 Liter Amber Glass Bottle

TEST DESCRIPTION	FINAL RESULT	DETECTION LIMIT	UNITS OF MEASURE	TEST METHOD	DATE	TECHNICIAN
Heating Value, (Gross)	18928	175	BTU/lb	ASTM D-240	09/10/98	OE
Sulfur by X-ray Spectrometry	0.870	0.005	Wt.%	ASTM D-4294	09/11/98	PW

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted:	Aug 19, 1998
Attention: Richard Scott	First Sample #: HH01658	Analyzed:	Aug 19, 1998
		Reported:	Sep 9, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HH01658	EX-4	72	50	50
HH01659	NSP-1	130	60	60
HH01660	NSP-2	32	10	10
HH01661	NSP-3	150	40	40
HH01662	NDP-1	49	20	20
HH01663	NDP-2	70	20	20
HH01665	NDP-3	2,800	200	200

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 14, 1998
21 Technology Drive	WDI	Received: Aug 14, 1998
Irvine, CA 92618	Analysis Method: EPA 413.2 (I.R.)	Extracted: Aug 20, 1998
Attention: Richard Scott	First Sample #: HH01658	Analyzed: Aug 20, 1998
		Reported: Sep 9, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HH01658	EX-4	84	50	50
HH01659	NSP-1	200	50	50
HH01660	NSP-2	36	10	10
HH01661	NSP-3	190	30	30
HH01662	NDP-1	61	10	10
HH01663	NDP-2	85	10	10
HH01665	NDP-3	3,100	200	200

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

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Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01664	Reported:	Sep 9, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HH01664	NDP-3 (Free)	620,000	C8 - C40	100
		21,000	C8 - C9	3.4
		44,000	C10 - C11	7.1
		59,000	C12 - C13	9.5
		68,000	C14 - C15	11
		60,000	C16 - C17	9.7
		50,000	C18 - C19	8.0
		47,000	C20 - C21	7.6
		41,000	C22 - C23	6.6
		36,000	C24 - C25	5.8
		33,000	C26 - C27	5.4
		41,000	C28 - C29	6.6
		33,000	C30 - C31	5.3
		54,000	C32 - C35	8.7
		32,000	C36 - C40	5.1

Reporting Limit:	**1,300**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 250.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, EX-4	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01658	Analyzed:	Aug 28, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

***Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**
Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	45%
Decachlorobiphenyl (30-130)	***20%**

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-1	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01659	Analyzed:	Aug 28, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.12	N.D.
alpha-BHC	0.12	N.D.
beta-BHC	0.12	N.D.
delta-BHC	0.30	N.D.
gamma-BHC (Lindane)	0.12	N.D.
Chlordane	2.4	N.D.
4,4'-DDD	0.12	N.D.
4,4'-DDE	0.12	N.D.
4,4'-DDT	0.12	N.D.
Dieldrin	0.12	N.D.
Endosulfan I	0.12	N.D.
Endosulfan II	0.12	N.D.
Endosulfan sulfate	0.60	N.D.
Endrin	0.12	N.D.
Endrin aldehyde	0.12	N.D.
Endrin ketone	0.12	N.D.
Heptachlor	0.12	N.D.
Heptachlor epoxide	0.12	N.D.
Methoxychlor	0.12	N.D.
Toxaphene	4.8	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	53%
Decachlorobiphenyl (30-130)	42%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01660	Analyzed:	Aug 28, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	50%
Decachlorobiphenyl (30-130)	35%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01661	Analyzed:	Aug 28, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	39%
Decachlorobiphenyl (30-130)	41%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-1	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01662	Analyzed:	Aug 28, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	39%
Decachlorobiphenyl (30-130)	57%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01663	Analyzed:	Aug 28, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	78%
Decachlorobiphenyl (30-130)	83%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01665	Analyzed:	Aug 28, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	25	N.D.
alpha-BHC	25	N.D.
beta-BHC	25	N.D.
delta-BHC	63	N.D.
gamma-BHC (Lindane)	25	N.D.
Chlordane	500	N.D.
4,4'-DDD	25	N.D.
4,4'-DDE	25	N.D.
4,4'-DDT	25	N.D.
Dieldrin	25	N.D.
Endosulfan I	25	N.D.
Endosulfan II	25	N.D.
Endosulfan sulfate	130	N.D.
Endrin	25	N.D.
Endrin aldehyde	25	N.D.
Endrin ketone	25	N.D.
Heptachlor	25	N.D.
Heptachlor epoxide	25	N.D.
Methoxychlor	25	N.D.
Toxaphene	1,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 250.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Product, NDP-3 (Free)	Extracted:	Aug 18, 1998
Attention: Richard Scott	Lab Number: HH01664	Analyzed:	Aug 26, 1998
		Reported:	Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	1.0	N.D.
alpha-BHC	1.0	N.D.
beta-BHC	1.0	N.D.
delta-BHC	2.0	N.D.
gamma-BHC (Lindane)	1.0	N.D.
Chlordane	20	N.D.
4,4'-DDD	1.0	N.D.
4,4'-DDE	1.0	N.D.
4,4'-DDT	1.0	N.D.
Dieldrin	1.0	N.D.
Endosulfan I	1.0	N.D.
Endosulfan II	1.0	N.D.
Endosulfan sulfate	4.0	N.D.
Endrin	1.0	N.D.
Endrin aldehyde	1.0	N.D.
Endrin ketone	1.0	N.D.
Heptachlor	1.0	N.D.
Heptachlor epoxide	1.0	N.D.
Methoxychlor	1.0	N.D.
Toxaphene	40	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, EX-4	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01658	Analyzed:	Aug 29, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	46%
Decachlorobiphenyl (30-130)	28%*

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-1	Extracted: Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01659	Analyzed: Aug 29, 1998
	QC Batch:	HH24PE1W	Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.2	N.D.
Aroclor 1221	1.2	N.D.
Aroclor 1232	1.2	N.D.
Aroclor 1242	1.2	N.D.
Aroclor 1248	1.2	N.D.
Aroclor 1254	1.2	N.D.
Aroclor 1260	1.2	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 1.2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	60%
Decachlorobiphenyl (30-130)	41%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01660	Analyzed:	Aug 29, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	62%
Decachlorobiphenyl (30-130)	49%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01661	Analyzed:	Aug 29, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	2.0	N.D.
Aroclor 1221	2.0	N.D.
Aroclor 1232	2.0	N.D.
Aroclor 1242	2.0	N.D.
Aroclor 1248	**2.0**	**12**
Aroclor 1254	2.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	61%
Decachlorobiphenyl (30-130)	45%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH01661	Analyzed:	Aug 29, 1998
	QC Batch: HH24PE1W	Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1260	5.0	24

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted Out
Decachlorobiphenyl (30-130)	Diluted Out

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-1	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01662	Analyzed:	Aug 29, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	60%
Decachlorobiphenyl (30-130)	63%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-2	Extracted: Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01663	Analyzed: Aug 29, 1998
	QC Batch:	HH24PE1W	Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	80%
Decachlorobiphenyl (30-130)	67%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-3	Extracted: Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01665	Analyzed: Aug 29, 1998
	QC Batch:	HH24PE1W	Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	130	N.D.
Aroclor 1221	130	N.D.
Aroclor 1232	130	N.D.
Aroclor 1242	130	N.D.
Aroclor 1248	**130**	**680**
Aroclor 1254	130	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 125.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-3	Extracted: Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH01665	Analyzed: Aug 29, 1998
	QC Batch:	HH24PE1W	Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1260	500	2,100

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 500.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130).....	Diluted out
Decachlorobiphenyl (30-130).....	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Product, NDP-3 (Free)	Extracted:	Aug 18, 1998
Attention: Richard Scott	Lab Number: HH01664	Analyzed:	Aug 29, 1998
		Reported:	Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	50	N.D.
Aroclor 1221	50	N.D.
Aroclor 1232	50	N.D.
Aroclor 1242	50	N.D.
Aroclor 1248	**50**	**84**
Aroclor 1254	50	N.D.
Aroclor 1260	**50**	**290**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, EX-4	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01658	Analyzed:	Aug 21, 1998
	QC Batch: HH21011W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	**5.0**	**560**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**96**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**110**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**110**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**440**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**5.9**
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**240**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	88%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	103%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-1	Extracted:	Aug 22, 1998
Attention: Richard Scott	Lab Number:	HH01659	Analyzed:	Aug 22, 1998
	QC Batch:	HH22081W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**50**	**270**
Benzene	**10**	**440**
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,2-Dibromoethane	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	**10**	**140**
2-Hexanone	50	N.D.
4-Methyl-2-pentanone	**25**	**47**
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
Toluene	**10**	**230**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	**25**	**54**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	87%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	94%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-2	Extracted: Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01660	Analyzed: Aug 21, 1998
	QC Batch:	HH21011W	Reported: Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	**5.0**	**140**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**45**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**21**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**84**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	95%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	101%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-3	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01661	Analyzed:	Aug 21, 1998
	QC Batch:	HH21011W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**750**
Benzene	**5.0**	**460**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**280**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	**5.0**	**6.1**
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**97**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**160**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**6.7**
Toluene	**5.0**	**540**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**19**
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**420**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	90%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	100%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-1	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01662	Analyzed:	Aug 21, 1998
	QC Batch: HH21081W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**190**
Benzene	**5.0**	**450**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**33**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**83**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**61**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**160**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**49**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	86%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	94%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-2	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01663	Analyzed:	Aug 21, 1998
	QC Batch: HH21011W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**660**
Benzene	**5.0**	**640**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**63**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**130**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**99**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**440**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**160**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	89%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	103%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-3	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01665	Analyzed:	Aug 21, 1998
	QC Batch: HH21081W	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**310**
Benzene	**5.0**	**480**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**140**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	**5.0**	**7.8**
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**140**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**490**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**8.0**
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**440**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	89%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	94%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, EX-4	Extracted: Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01658	Analyzed: Aug 21, 1998
	QC Batch:	HH21011W	Reported: Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	88%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-1	Extracted:	Aug 22, 1998
Attention: Richard Scott	Lab Number: HH01659	Analyzed:	Aug 22, 1998
	QC Batch: HH22081W	Reported:	Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	87%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-2	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01660	Analyzed:	Aug 21, 1998
	QC Batch: HH21011W	Reported:	Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	95%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NSP-3	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01661	Analyzed:	Aug 21, 1998
	QC Batch:	HH21011W	Reported:	Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	90%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-1	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01662	Analyzed:	Aug 21, 1998
	QC Batch:	HH21081W	Reported:	Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	86%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-2	Extracted: Aug 21, 1998
Attention: Richard Scott	Lab Number:	HH01663	Analyzed: Aug 21, 1998
	QC Batch:	HH21011W	Reported: Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	89%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NDP-3	Extracted:	Aug 21, 1998
Attention: Richard Scott	Lab Number: HH01665	Analyzed:	Aug 21, 1998
	QC Batch: HH21081W	Reported:	Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	89%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Product, NDP-3 (Free)	Extracted:	Aug 25, 1998
Attention: Richard Scott	Lab Number: HH01664	Analyzed:	Aug 25, 1998
	QC Batch: HH25091S	Reported:	Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	500,000	N.D.
Benzene	100,000	N.D.
Bromodichloromethane	100,000	N.D.
Bromoform	250,000	N.D.
Bromomethane	250,000	N.D.
2-Butanone	500,000	N.D.
Carbon disulfide	250,000	N.D.
Carbon tetrachloride	250,000	N.D.
Chloroethane	250,000	N.D.
Chloroform	100,000	N.D.
Chloromethane	250,000	N.D.
1,2-Dibromoethane	100,000	N.D.
1,1-Dichloroethane	100,000	N.D.
1,2-Dichloroethane	100,000	N.D.
1,1-Dichloroethene	250,000	N.D.
trans-1,2-Dichloroethene	100,000	N.D.
1,2-Dichloropropane	100,000	N.D.
cis-1,3-Dichloropropene	100,000	N.D.
trans-1,3-Dichloropropene	100,000	N.D.
Ethylbenzene	**100,000**	**180,000**
2-Hexanone	500,000	N.D.
4-Methyl-2-pentanone	250,000	N.D.
Methylene chloride	1,000,000	N.D.
1,1,2,2-Tetrachloroethane	100,000	N.D.
Tetrachloroethene	100,000	N.D.
Toluene	**100,000**	**360,000**
1,1,1-Trichloroethane	100,000	N.D.
1,1,2-Trichloroethane	100,000	N.D.
Trichloroethene	100,000	N.D.
Vinyl acetate	250,000	N.D.
Vinyl chloride	250,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50,000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	99%
Toluene-d8 (81-117)	101%
4-Bromofluorobenzene (74-121)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, EX-4	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number: HH01658	Analyzed:	Aug 22, 1998
	QC Batch: HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	**2-Methylnaphthalene**	**50**	**110**
Benz(a)anthracene	50	N.D.	**2-Methylphenol**	**50**	**130**
Benzo(b)fluoranthene	50	N.D.	**4-Methylphenol**	**50**	**330**
Benzo(k)fluoranthene	50	N.D.	**Naphthalene**	**50**	**220**
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	Phenanthrene	50	N.D.
2-Chloronaphthalene	50	N.D.	**Phenol**	**50**	**290**
4-Chloro-3-methylphenol	100	N.D.	Pyrene	50	N.D.
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	62%
Phenol-d6 (10-94)	85%
2,4,6-Tribromophenol (10-123)	84%
Nitrobenzene-d5 (35-114)	94%
2-Fluorobiphenyl (43-116)	68%
Terphenyl-d14 (33-141)	119%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-1	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number: HH01659	Analyzed:	Aug 22, 1998
	QC Batch: HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	**2-Methylnaphthalene**	**50**	**460**
Benz(a)anthracene	50	N.D.	2-Methylphenol	50	N.D.
Benzo(b)fluoranthene	50	N.D.	4-Methylphenol	50	N.D.
Benzo(k)fluoranthene	50	N.D.	**Naphthalene**	**50**	**450**
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	**Phenanthrene**	**50**	**120**
2-Chloronaphthalene	50	N.D.	Phenol	50	N.D.
4-Chloro-3-methylphenol	100	N.D.	**Pyrene**	**50**	**59**
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	67%
Phenol-d6 (10-94)	74%
2,4,6-Tribromophenol (10-123)	53%
Nitrobenzene-d5 (35-114)	92%
2-Fluorobiphenyl (43-116)	46%
Terphenyl-d14 (33-141)	91%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-2	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number: HH01660	Analyzed:	Aug 22, 1998
	QC Batch: HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	20	N.D.	Indeno(1,2,3-cd)pyrene	40	N.D.
Acenaphthylene	20	N.D.	Isophorone	20	N.D.
Anthracene	20	N.D.	**2-Methylnaphthalene**	**20**	**55**
Benz(a)anthracene	20	N.D.	2-Methylphenol	20	N.D.
Benzo(b)fluoranthene	20	N.D.	**4-Methylphenol**	**20**	**29**
Benzo(k)fluoranthene	20	N.D.	**Naphthalene**	**20**	**80**
Benzo(g,h,i)perylene	20	N.D.	2-Nitroaniline	40	N.D.
Benzo(a)pyrene	20	N.D.	4-Nitroaniline	200	N.D.
Bis(2-chloroethyl)ether	20	N.D.	Nitrobenzene	80	N.D.
Bis(2-chloroisopropyl)ether	20	N.D.	2-Nitrophenol	20	N.D.
Bis(2-ethylhexyl)phthalate	200	N.D.	N-Nitrosodiphenylamine	20	N.D.
4-Bromophenyl phenyl ether	20	N.D.	N-Nitroso-di-N-propylamine	20	N.D.
Butyl benzyl phthalate	40	N.D.	Pentachlorophenol	80	N.D.
4-Chloroaniline	20	N.D.	Phenanthrene	20	N.D.
2-Chloronaphthalene	20	N.D.	**Phenol**	**20**	**37**
4-Chloro-3-methylphenol	40	N.D.	Pyrene	20	N.D.
4-Chlorophenyl phenyl ether	20	N.D.	1,2,4-Trichlorobenzene	20	N.D.
Chrysene	20	N.D.	2,4,5-Trichlorophenol	40	N.D.
Dibenz(a,h)anthracene	40	N.D.	2,4,6-Trichlorophenol	40	N.D.
Dibenzofuran	20	N.D.			
Di-N-butyl phthalate	40	N.D.			
1,3-Dichlorobenzene	20	N.D.			
1,4-Dichlorobenzene	20	N.D.			
1,2-Dichlorobenzene	20	N.D.			
3,3-Dichlorobenzidine	80	N.D.			
2,4-Dichlorophenol	20	N.D.			
Dimethyl phthalate	20	N.D.			
4,6-Dinitro-2-methylphenol	80	N.D.			
2,4-Dinitrophenol	200	N.D.			
2,4-Dinitrotoluene	20	N.D.			
2,6-Dinitrotoluene	20	N.D.			
Di-N-octyl phthalate	80	N.D.			
Fluoranthene	20	N.D.			
Fluorene	20	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

***Due to sample matrix effects the surrogate recovery was outside acceptance limits.**

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	73%
Phenol-d6 (10-94)	82%
2,4,6-Tribromophenol (10-123)	107%
Nitrobenzene-d5 (35-114)	95%
2-Fluorobiphenyl (43-116)	77%
Terphenyl-d14 (33-141)	***165%**

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water, NSP-3	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number: HH01661	Analyzed:	Aug 22, 1998
	QC Batch: HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	**2-Methylnaphthalene**	**50**	**300**
Benz(a)anthracene	50	N.D.	2-Methylphenol	50	N.D.
Benzo(b)fluoranthene	50	N.D.	**4-Methylphenol**	**50**	**370**
Benzo(k)fluoranthene	50	N.D.	**Naphthalene**	**50**	**170**
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	**Phenanthrene**	**50**	**55**
2-Chloronaphthalene	50	N.D.	**Phenol**	**50**	**460**
4-Chloro-3-methylphenol	100	N.D.	Pyrene	50	N.D.
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	61%
Phenol-d6 (10-94)	73%
2,4,6-Tribromophenol (10-123)	66%
Nitrobenzene-d5 (35-114)	82%
2-Fluorobiphenyl (43-116)	57%
Terphenyl-d14 (33-141)	115%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 14, 1998
21 Technology Drive		WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-1	Extracted: Aug 17, 1998
Attention: Richard Scott	Lab Number:	HH01662	Analyzed: Aug 22, 1998
	QC Batch:	HH17SE1W	Reported: Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Acenaphthylene	10	N.D.	Isophorone	10	N.D.
Anthracene	10	N.D.	**2-Methylnaphthalene**	**10**	**90**
Benz(a)anthracene	10	N.D.	2-Methylphenol	10	N.D.
Benzo(b)fluoranthene	10	N.D.	**4-Methylphenol**	**10**	**68**
Benzo(k)fluoranthene	10	N.D.	**Naphthalene**	**10**	**230**
Benzo(g,h,i)perylene	10	N.D.	2-Nitroaniline	20	N.D.
Benzo(a)pyrene	10	N.D.	4-Nitroaniline	100	N.D.
Bis(2-chloroethyl)ether	10	N.D.	Nitrobenzene	40	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Nitrophenol	10	N.D.
Bis(2-ethylhexyl)phthalate	100	N.D.	N-Nitrosodiphenylamine	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Butyl benzyl phthalate	20	N.D.	Pentachlorophenol	40	N.D.
4-Chloroaniline	10	N.D.	Phenanthrene	10	N.D.
2-Chloronaphthalene	10	N.D.	**Phenol**	**10**	**95**
4-Chloro-3-methylphenol	20	N.D.	Pyrene	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
Chrysene	10	N.D.	2,4,5-Trichlorophenol	20	N.D.
Dibenz(a,h)anthracene	20	N.D.	2,4,6-Trichlorophenol	20	N.D.
Dibenzofuran	10	N.D.			
Di-N-butyl phthalate	20	N.D.			
1,3-Dichlorobenzene	10	N.D.			
1,4-Dichlorobenzene	10	N.D.			
1,2-Dichlorobenzene	10	N.D.			
3,3-Dichlorobenzidine	40	N.D.			
2,4-Dichlorophenol	10	N.D.			
Dimethyl phthalate	10	N.D.			
4,6-Dinitro-2-methylphenol	40	N.D.			
2,4-Dinitrophenol	100	N.D.			
2,4-Dinitrotoluene	10	N.D.			
2,6-Dinitrotoluene	10	N.D.			
Di-N-octyl phthalate	40	N.D.			
Fluoranthene	10	N.D.			
Fluorene	10	N.D.			

***Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	72%
Phenol-d6 (10-94)	***96%**
2,4,6-Tribromophenol (10-123)	88%
Nitrobenzene-d5 (35-114)	101%
2-Fluorobiphenyl (43-116)	64%
Terphenyl-d14 (33-141)	114%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-2	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number:	HH01663	Analyzed:	Aug 22, 1998
	QC Batch:	HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	**2-Methylnaphthalene**	**50**	**110**
Benz(a)anthracene	50	N.D.	2-Methylphenol	50	N.D.
Benzo(b)fluoranthene	50	N.D.	**4-Methylphenol**	**50**	**280**
Benzo(k)fluoranthene	50	N.D.	**Naphthalene**	**50**	**270**
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	Phenanthrene	50	N.D.
2-Chloronaphthalene	50	N.D.	**Phenol**	**50**	**700**
4-Chloro-3-methylphenol	100	N.D.	Pyrene	50	N.D.
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	67%
Phenol-d6 (10-94)	90%
2,4,6-Tribromophenol (10-123)	86%
Nitrobenzene-d5 (35-114)	81%
2-Fluorobiphenyl (43-116)	72%
Terphenyl-d14 (33-141)	138%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 14, 1998
21 Technology Drive		WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript:	Water, NDP-3	Extracted:	Aug 17, 1998
Attention: Richard Scott	Lab Number:	HH01665	Analyzed:	Aug 22, 1998
	QC Batch:	HH17SE1W	Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	**2-Methylnaphthalene**	**50**	**380**
Benz(a)anthracene	50	N.D.	**2-Methylphenol**	**50**	**50**
Benzo(b)fluoranthene	50	N.D.	**4-Methylphenol**	**50**	**400**
Benzo(k)fluoranthene	50	N.D.	**Naphthalene**	**50**	**220**
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	**Phenanthrene**	**50**	**70**
2-Chloronaphthalene	50	N.D.	**Phenol**	**50**	**290**
4-Chloro-3-methylphenol	100	N.D.	Pyrene	50	N.D.
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

***Due to sample matrix effects the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	66%
Phenol-d6 (10-94)	78%
2,4,6-Tribromophenol (10-123)	85%
Nitrobenzene-d5 (35-114)	87%
2-Fluorobiphenyl (43-116)	73%
Terphenyl-d14 (33-141)	***168%**

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 14, 1998
21 Technology Drive	WDI	Received:	Aug 14, 1998
Irvine, CA 92618	Sample Descript: Product, NDP-3 (Free)	Extracted:	Aug 27, 1998
Attention: Richard Scott	Lab Number: HH01664	Analyzed:	Aug 27, 1998
		Reported:	Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	50,000	N.D.	Indeno(1,2,3-cd)pyrene	100,000	N.D.
Acenaphthylene	50,000	N.D.	Isophorone	50,000	N.D.
Anthracene	50,000	N.D.	**2-Methylnaphthalene**	**50,000**	**110,000**
Benz(a)anthracene	50,000	N.D.	2-Methylphenol	75,000	N.D.
Benzo(b)fluoranthene	100,000	N.D.	4-Methylphenol	75,000	N.D.
Benzo(k)fluoranthene	100,000	N.D.	**Naphthalene**	**75,000**	**310,000**
Benzo(g,h,i)perylene	75,000	N.D.	2-Nitroaniline	100,000	N.D.
Benzo(a)pyrene	100,000	N.D.	4-Nitroaniline	250,000	N.D.
Bis(2-chloroethyl)ether	50,000	N.D.	Nitrobenzene	250,000	N.D.
Bis(2-chloroisopropyl)ether	50,000	N.D.	2-Nitrophenol	50,000	N.D.
Bis(2-ethylhexyl)phthalate	500,000	N.D.	N-Nitrosodiphenylamine	100,000	N.D.
4-Bromophenyl phenyl ether	75,000	N.D.	N-Nitroso-di-N-propylamine	75,000	N.D.
Butyl benzyl phthalate	250,000	N.D.	Pentachlorophenol	250,000	N.D.
4-Chloroaniline	50,000	N.D.	**Phenanthrene**	**50,000**	**76,000**
2-Chloronaphthalene	50,000	N.D.	Phenol	75,000	N.D.
4-Chloro-3-methylphenol	50,000	N.D.	Pyrene	75,000	N.D.
4-Chlorophenyl phenyl ether	50,000	N.D.	1,2,4-Trichlorobenzene	50,000	N.D.
Chrysene	50,000	N.D.	2,4,5-Trichlorophenol	75,000	N.D.
Dibenz(a,h)anthracene	130,000	N.D.	2,4,6-Trichlorophenol	75,000	N.D.
Dibenzofuran	50,000	N.D.			
Di-N-butyl phthalate	130,000	N.D.			
1,3-Dichlorobenzene	50,000	N.D.			
1,4-Dichlorobenzene	50,000	N.D.			
1,2-Dichlorobenzene	50,000	N.D.			
3,3-Dichlorobenzidine	250,000	N.D.			
2,4-Dichlorophenol	50,000	N.D.			
Dimethyl phthalate	50,000	N.D.			
4,6-Dinitro-2-methylphenol	130,000	N.D.			
2,4-Dinitrophenol	130,000	N.D.			
2,4-Dinitrotoluene	50,000	N.D.			
2,6-Dinitrotoluene	50,000	N.D.			
Di-N-octyl phthalate	250,000	N.D.			
Fluoranthene	50,000	N.D.			
Fluorene	50,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 500.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, EX-4
Lab Number: HH01658

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	0.055	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	5.4	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	0.26	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	0.20	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, EX-4
Lab Number: HH01658

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	57	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	0.048	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-1
Lab Number: HH01659

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	32	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	0.098	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	1.0	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	33	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	0.73	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	47	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	1.3	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	15	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-1
Lab Number: HH01659

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.86	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	47	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	0.097	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	0.38	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-2
Lab Number: HH01660

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	4.6	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	0.10	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	17	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	7.9	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	0.029	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	3.2	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-2
Lab Number: HH01660

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.23	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	62	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-3
Lab Number: HH01661

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	17	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	0.033	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	0.53	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	18	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	0.033	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	27	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	0.23	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	8.1	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NSP-3
Lab Number: HH01661

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	0.54	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	45	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	0.056	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	2.6	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
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Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-1
Lab Number: HH01662

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	0.70	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	0.061	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	7.0	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	1.2	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	1.0	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
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Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-1
Lab Number: HH01662

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	1.0	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	41	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-2
Lab Number: HH01663

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	0.12	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	15	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	0.37	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	0.18	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-2
Lab Number: HH01663

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	74	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-3
Lab Number: HH01665

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.25	5.0	1.2	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.050	5.0	0.089	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.010	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.50	5.0	7.6	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.10	5.0	1.9	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.025	5.0	0.067	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.10	5.0	1.5	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, NDP-3
Lab Number: HH01665

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.10	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00060	3.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	5.0	10	54	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.025	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.050	5.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.10	5.0	0.15	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water
First Sample #: HH01658

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Extracted: Aug 17, 1998
Analyzed: Aug 17, 1998
Reported: Sep 9, 1998

pH (EPA 150.1)

Laboratory Number	Sample Description	Reporting Limit pH units	Sample Result pH units
HH01658	EX-4	N.A.	10.3
HH01659	NSP-1	N.A.	9.6
HH01660	NSP-2	N.A.	9.3
HH01661	NSP-3	N.A.	8.9
HH01662	NDP-1	N.A.	9.4
HH01663	NDP-2	N.A.	10.1
HH01665	NDP-3	N.A.	8.9

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water
First Sample #: HH01658

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Extracted: Aug 17, 1998
Analyzed: Aug 17, 1998
Reported: Sep 9, 1998

TOTAL SUSPENDED SOLIDS (EPA 160.2)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
HH01658	EX-4	10	66
HH01659	NSP-1	10	3,900
HH01660	NSP-2	10	13,000
HH01661	NSP-3	10	4,400
HH01662	NDP-1	10	1,400
HH01663	NDP-2	10	720
HH01665	NDP-3	10	9,300

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water
First Sample #: HH01658

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Extracted: Aug 18, 1998
Analyzed: Aug 19, 1998
Reported: Sep 9, 1998

TOTAL DISSOLVED SOLIDS (EPA 160.1)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
HH01658	EX-4	10	2,900
HH01659	NSP-1	10	2,600
HH01660	NSP-2	10	3,400
HH01661	NSP-3	10	2,700
HH01662	NDP-1	10	2,400

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 14, 1998
21 Technology Drive	WDI	Received: Aug 14, 1998
Irvine, CA 92618	Sample Descript: Water	Extracted: Aug 21, 1998
Attention: Richard Scott	First Sample #: HH01663	Analyzed: Aug 22, 1998
		Reported: Sep 9, 1998

TOTAL DISSOLVED SOLIDS (EPA 160.1)

Laboratory Number	Sample Description	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
HH01663	NDP-2	10	3,700
HH01665	NDP-3	10	3,700

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 19, 1998
Analyzed: Aug 19, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 20, 1998
Analyzed: Aug 20, 1998
Reported: Sep 9, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and/or other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 21, 1998
Analyzed: Aug 21, 1998
Reported: Sep 9, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C40	N.A.
	N.D.	C8 - C9	N.A.
	N.D.	C10 - C11	N.A.
	N.D.	C12 - C13	N.A.
	N.D.	C14 - C15	N.A.
	N.D.	C16 - C17	N.A.
	N.D.	C18 - C19	N.A.
	N.D.	C20 - C21	N.A.
	N.D.	C22 - C23	N.A.
	N.D.	C24 - C25	N.A.
	N.D.	C26 - C27	N.A.
	N.D.	C28 - C29	N.A.
	N.D.	C30 - C31	N.A.
	N.D.	C32 - C35	N.A.
	N.D.	C36 - C40	N.A.

Reporting Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH24PE1W

Extracted: Aug 24, 1998
Analyzed: Aug 24, 1998
Reported: Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	66%
Decachlorobiphenyl (30-130)	68%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 18, 1998
Analyzed: Aug 22, 1998
Reported: Sep 9, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	110%
Decachlorobiphenyl (30-130)	110%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH24PE1W

Extracted: Aug 24, 1998
Analyzed: Aug 24, 1998
Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	66%
Decachlorobiphenyl (30-130)	62%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 18, 1998
Analyzed: Aug 22, 1998
Reported: Sep 9, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	5.0	N.D.
Aroclor 1221	5.0	N.D.
Aroclor 1232	5.0	N.D.
Aroclor 1242	5.0	N.D.
Aroclor 1248	5.0	N.D.
Aroclor 1254	5.0	N.D.
Aroclor 1260	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	110%
Decachlorobiphenyl (30-130)	110%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH21011W

Extracted: Aug 21, 1998
Analyzed: Aug 21, 1998
Reported: Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	97%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH22081W

Extracted: Aug 22, 1998
Analyzed: Aug 22, 1998
Reported: Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	94%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH21081W

Extracted: Aug 21, 1998
Analyzed: Aug 21, 1998
Reported: Sep 9, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	96%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

MeOH

Method Blank

QC Batch: HH25091S

Extracted: Aug 25, 1998
Analyzed: Aug 25, 1998
Reported: Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	95%
Toluene-d8 (88-110)	99%
4-Bromofluorobenzene (86-115)	102%

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH21011W

Extracted: Aug 21, 1998
Analyzed: Aug 21, 1998
Reported: Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	97%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	100%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH22081W

Extracted: Aug 22, 1998
Analyzed: Aug 22, 1998
Reported: Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	94%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	93%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH21081W

Extracted: Aug 21, 1998
Analyzed: Aug 21, 1998
Reported: Sep 9, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	96%
Toluene-d8 (88-110)	98%
4-Bromofluorobenzene (86-115)	95%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH17SE1W

Extracted: Aug 17, 1998
Analyzed: Aug 25, 1998
Reported: Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Acenaphthylene	10	N.D.	Isophorone	10	N.D.
Anthracene	10	N.D.	2-Methylnaphthalene	10	N.D.
Benz(a)anthracene	10	N.D.	2-Methylphenol	10	N.D.
Benzo(b)fluoranthene	10	N.D.	4-Methylphenol	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Naphthalene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	2-Nitroaniline	20	N.D.
Benzo(a)pyrene	10	N.D.	4-Nitroaniline	100	N.D.
Bis(2-chloroethyl)ether	10	N.D.	Nitrobenzene	40	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Nitrophenol	10	N.D.
Bis(2-ethylhexyl)phthalate	100	N.D.	N-Nitrosodiphenylamine	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Butyl benzyl phthalate	20	N.D.	Pentachlorophenol	40	N.D.
4-Chloroaniline	10	N.D.	Phenanthrene	10	N.D.
2-Chloronaphthalene	10	N.D.	Phenol	10	N.D.
4-Chloro-3-methylphenol	20	N.D.	Pyrene	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
Chrysene	10	N.D.	2,4,5-Trichlorophenol	20	N.D.
Dibenz(a,h)anthracene	20	N.D.	2,4,6-Trichlorophenol	20	N.D.
Dibenzofuran	10	N.D.			
Di-N-butyl phthalate	20	N.D.			
1,3-Dichlorobenzene	10	N.D.			
1,4-Dichlorobenzene	10	N.D.			
1,2-Dichlorobenzene	10	N.D.			
3,3-Dichlorobenzidine	40	N.D.			
2,4-Dichlorophenol	10	N.D.			
Dimethyl phthalate	10	N.D.			
4,6-Dinitro-2-methylphenol	40	N.D.			
2,4-Dinitrophenol	100	N.D.			
2,4-Dinitrotoluene	10	N.D.			
2,6-Dinitrotoluene	10	N.D.			
Di-N-octyl phthalate	40	N.D.			
Fluoranthene	10	N.D.			
Fluorene	10	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	66%
Phenol-d6 (10-94)	63%
2,4,6-Tribromophenol (10-123)	97%
Nitrobenzene-d5 (35-114)	70%
2-Fluorobiphenyl (43-116)	78%
Terphenyl-d14 (33-141)	111%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 27, 1998
Analyzed: Aug 27, 1998
Reported: Sep 9, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	100	N.D.	Indeno(1,2,3-cd)pyrene	200	N.D.
Acenaphthylene	100	N.D.	Isophorone	100	N.D.
Anthracene	100	N.D.	2-Methylnaphthalene	100	N.D.
Benz(a)anthracene	100	N.D.	2-Methylphenol	150	N.D.
Benzo(b)fluoranthene	200	N.D.	4-Methylphenol	150	N.D.
Benzo(k)fluoranthene	200	N.D.	Naphthalene	150	N.D.
Benzo(g,h,i)perylene	150	N.D.	2-Nitroaniline	200	N.D.
Benzo(a)pyrene	200	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	100	N.D.	Nitrobenzene	500	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.	2-Nitrophenol	100	N.D.
Bis(2-ethylhexyl)phthalate	1000	N.D.	N-Nitrosodiphenylamine	200	N.D.
4-Bromophenyl phenyl ether	150	N.D.	N-Nitroso-di-N-propylamine	150	N.D.
Butyl benzyl phthalate	500	N.D.	Pentachlorophenol	500	N.D.
4-Chloroaniline	100	N.D.	Phenanthrene	100	N.D.
2-Chloronaphthalene	100	N.D.	Phenol	150	N.D.
4-Chloro-3-methylphenol	100	N.D.	Pyrene	150	N.D.
4-Chlorophenyl phenyl ether	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
Chrysene	100	N.D.	2,4,5-Trichlorophenol	150	N.D.
Dibenz(a,h)anthracene	250	N.D.	2,4,6-Trichlorophenol	150	N.D.
Dibenzofuran	100	N.D.			
Di-N-butyl phthalate	250	N.D.			
1,3-Dichlorobenzene	100	N.D.			
1,4-Dichlorobenzene	100	N.D.			
1,2-Dichlorobenzene	100	N.D.			
3,3-Dichlorobenzidine	500	N.D.			
2,4-Dichlorophenol	100	N.D.			
Dimethyl phthalate	100	N.D.			
4,6-Dinitro-2-methylphenol	250	N.D.			
2,4-Dinitrophenol	250	N.D.			
2,4-Dinitrotoluene	100	N.D.			
2,6-Dinitrotoluene	100	N.D.			
Di-N-octyl phthalate	500	N.D.			
Fluoranthene	100	N.D.			
Fluorene	100	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Barium	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Calcium	EPA 6010	0.10	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Iron	EPA 6010	0.020	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Lead	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Magnesium	EPA 6010	0.020	1.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Sep 9, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/18/98 HH18HG1W	8/18/98
Nickel	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Sodium	EPA 6010	0.50	1.0	N.D.	8/24/98 HH24ME4W	8/25/98
Thallium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Vanadium	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME4W	8/24/98
Zinc	EPA 6010	0.020	1.0	N.D.	8/24/98 HH24ME4W	8/24/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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October 19, 1998

TRC Environ
21 Technology Drive
Irvine, CA 92618

Attention: Richard Scott

Project: Waste Disposal Inc., Proj. 94-256 (Sampled August 14, 1998)
Del Mar Analytical project no.: HH01658A.TRC

Dear Mr. Scott:

Attached are the metals results for sample NDP-3 (Free), which were to be done after the initial analyses were completed. If you have any questions please do not hesitate to contact me.

The original report will be included in the Level IV data package with the other samples.

Sincerely yours,

DEL MAR ANALYTICAL

Fred Haley

Fred Haley
Project Manager

Del Mar Analytical

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, NDP-3 (Free)
Lab Number: HH01664

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Oct 6, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	61	HI18ME1S	9/2/98
Antimony	EPA 6010	10	1.0	N.D.	HI18ME1S	9/2/98
Arsenic	EPA 6010	2.0	1.0	2.2	HI18ME1S	9/2/98
Barium	EPA 6010	1.0	1.0	99	HI18ME1S	9/2/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HI18ME1S	9/2/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HI18ME1S	9/2/98
Calcium	EPA 6010	10	1.0	1,500	HI18ME1S	9/2/98
Chromium, total	EPA 6010	1.0	1.0	23	HI18ME1S	9/2/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/2/98
Iron	EPA 6010	5.0	1.0	130	HI18ME1S	9/2/98
Lead	EPA 6010	2.0	1.0	49	HI18ME1S	9/2/98
Magnesium	EPA 6010	10	1.0	23	HI18ME1S	9/2/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, NDP-3 (Free)
Lab Number: HH01664

Sampled: Aug 14, 1998
Received: Aug 14, 1998
Reported: Oct 6, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	4.4	HI18ME1S	9/21/98
Mercury	EPA 7470	0.020	1.0	N.D.	HI22HG1S	9/22/98
Nickel	EPA 6010	1.0	1.0	14	HI18ME1S	9/21/98
Selenium	EPA 6010	2.0	1.0	N.D.	HI18ME1S	9/21/98
Sodium	EPA 6010	10	1.0	33	HJ02ME2S	10/5/98
Thallium	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Vanadium	EPA 6010	1.0	1.0	12	HI18ME1S	9/21/98
Zinc	EPA 6010	5.0	1.0	17	HI18ME1S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Oct 6, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Antimony	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HI18ME1S	9/21/98
Barium	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HI18ME1S	9/21/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HI18ME1S	9/21/98
Calcium	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Iron	EPA 6010	5.0	1.0	N.D.	HI18ME1S	9/21/98
Lead	EPA 6010	2.0	1.0	N.D.	HI18ME1S	9/21/98
Magnesium	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Oct 6, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Mercury	EPA 7470	0.020	1.0	N.D.	HI22HG1S	9/22/98
Nickel	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Selenium	EPA 6010	2.0	1.0	N.D.	HI18ME1S	9/21/98
Sodium	EPA 6010	10	1.0	N.D.	HJ02ME2S	10/5/98
Thallium	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Zinc	EPA 6010	5.0	1.0	N.D.	HI18ME1S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported:

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Mercury	EPA 7470	0.020	1.0	N.D.	HI22HG1S	9/22/98
Nickel	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Selenium	EPA 6010	2.0	1.0	N.D.	HI18ME1S	9/21/98
Sodium	EPA 6010	10	1.0	N.D.	HJ02ME2S	10/5/98
Thallium	EPA 6010	10	1.0	N.D.	HI18ME1S	9/21/98
Vanadium	EPA 6010	1.0	1.0	N.D.	HI18ME1S	9/21/98
Zinc	EPA 6010	5.0	1.0	N.D.	HI18ME1S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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APPENDIX B.4

EXTRACTION WELL EX-6 PUMP TEST DATA

TRC

Del Mar Analytical

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Analysis Method: EPA 413.2 (I.R.)	Extracted: Aug 28, 1998
Attention: Richard Scott	First Sample #: HH02508	Analyzed: Aug 28, 1998
		Reported: Sep 29, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HH02508	EX-6	1,900	100	100
HH02510	SDP-3	2,400	100	100
HH02511	SDP-2	1,200	100	100
HH02512	SSP-3	19	1.0	1.0
HH02513	SSP-1	400	100	100
HH02515	SSP-2	140	100	100

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Analysis Method: EPA 418.1 (I.R. with clean-up)	Extracted: Aug 27, 1998
Attention: Richard Scott	First Sample #: HH02508	Analyzed: Aug 27, 1998
		Reported: Sep 29, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
HH02508	EX-6	1,800	100	100
HH02510	SDP-3	2,300	100	100
HH02511	SDP-2	1,100	100	100
HH02512	SSP-3	17	1.0	1.0
HH02513	SSP-1	380	100	100
HH02515	SSP-2	130	100	100

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Sep 21, 1998
Attention: Richard Scott	Lab Number: HH02507	Reported:	Sep 29, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HH02507	EX-6 (Free)	520,000	C8 - C40	100
		20,000	C8 - C9	3.9
		46,000	C10 - C11	8.8
		62,000	C12 - C13	12
		83,000	C14 - C15	16
		68,000	C16 - C17	13
		51,000	C18 - C19	9.9
		46,000	C20 - C21	8.8
		36,000	C22 - C23	6.9
		34,000	C24 - C25	6.6
		19,000	C26 - C27	3.7
		21,000	C28 - C29	4.1
		17,000	C30 - C31	3.2
		14,000	C32 - C35	2.7
		N.D.	C36 - C40	N.A.

Reporting Limit: **1,000**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Sep 21, 1998
Attention: Richard Scott	Lab Number: HH02509	Reported:	Sep 29, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HH02509	SDP-3 (Free)	560,000	C8 - C40	100
		49,000	C8 - C9	8.8
		67,000	C10 - C11	12
		78,000	C12 - C13	14
		78,000	C14 - C15	14
		62,000	C16 - C17	11
		50,000	C18 - C19	9.0
		43,000	C20 - C21	7.6
		34,000	C22 - C23	6.0
		27,000	C24 - C25	4.9
		25,000	C26 - C27	4.5
		18,000	C28 - C29	3.3
		15,000	C30 - C31	2.6
		15,000	C32 - C35	2.7
		1,300	C36 - C40	0.23

Reporting Limit: 1,000

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Analysis Method: EPA 3550/ Mod. 8015	Analyzed:	Sep 21, 1998
Attention: Richard Scott	Lab Number: HH02514	Reported:	Sep 29, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION (MODIFIED EPA 3550/8015)

Laboratory Number	Sample Description Product	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
HH02514	SDP-1 (Free)	560,000	C8 - C40	100
		26,000	C8 - C9	4.6
		49,000	C10 - C11	8.8
		67,000	C12 - C13	12
		84,000	C14 - C15	15
		67,000	C16 - C17	12
		54,000	C18 - C19	9.6
		47,000	C20 - C21	8.4
		39,000	C22 - C23	7.0
		33,000	C24 - C25	5.9
		31,000	C26 - C27	5.5
		22,000	C28 - C29	4.0
		17,000	C30 - C31	3.1
		20,000	C32 - C35	3.5
		2,900	C36 - C40	0.51

Reporting Limit: 1,000

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, EX-6 (Free)	Extracted:	Aug 30, 1998
Attention: Richard Scott	Lab Number: HH02507	Analyzed:	Sep 21, 1998
		Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	1.0	N.D.
alpha-BHC	1.0	N.D.
beta-BHC	1.0	N.D.
delta-BHC	2.0	N.D.
gamma-BHC (Lindane)	1.0	N.D.
Chlordane	20	N.D.
4,4'-DDD	1.0	N.D.
4,4'-DDE	1.0	N.D.
4,4'-DDT	1.0	N.D.
Dieldrin	1.0	N.D.
Endosulfan I	1.0	N.D.
Endosulfan II	1.0	N.D.
Endosulfan sulfate	4.0	N.D.
Endrin	1.0	N.D.
Endrin aldehyde	1.0	N.D.
Endrin ketone	1.0	N.D.
Heptachlor	1.0	N.D.
Heptachlor epoxide	1.0	N.D.
Methoxychlor	1.0	N.D.
Toxaphene	40	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-3 (Free)	Extracted:	Aug 30, 1998
Attention: Richard Scott	Lab Number: HH02509	Analyzed:	Aug 31, 1998
		Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	0.50	N.D.
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.
Toxaphene	20	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-1 (Free)	Extracted:	Aug 30, 1998
Attention: Richard Scott	Lab Number: HH02514	Analyzed:	Sep 2, 1998
		Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	1.0	N.D.
alpha-BHC	1.0	N.D.
beta-BHC	1.0	N.D.
delta-BHC	2.0	N.D.
gamma-BHC (Lindane)	1.0	N.D.
Chlordane	20	N.D.
4,4'-DDD	1.0	N.D.
4,4'-DDE	1.0	N.D.
4,4'-DDT	1.0	N.D.
Dieldrin	1.0	N.D.
Endosulfan I	1.0	N.D.
Endosulfan II	1.0	N.D.
Endosulfan sulfate	4.0	N.D.
Endrin	1.0	N.D.
Endrin aldehyde	1.0	N.D.
Endrin ketone	1.0	N.D.
Heptachlor	1.0	N.D.
Heptachlor epoxide	1.0	N.D.
Methoxychlor	1.0	N.D.
Toxaphene	40	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

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Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, EX-6	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02508	Analyzed:	Sep 2, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.20	N.D.
alpha-BHC	0.20	N.D.
beta-BHC	0.20	N.D.
delta-BHC	0.50	N.D.
gamma-BHC (Lindane)	0.20	N.D.
Chlordane	4.0	N.D.
4,4'-DDD	0.20	N.D.
4,4'-DDE	0.20	N.D.
4,4'-DDT	0.20	N.D.
Dieldrin	0.20	N.D.
Endosulfan I	0.20	N.D.
Endosulfan II	0.20	N.D.
Endosulfan sulfate	1.0	N.D.
Endrin	0.20	N.D.
Endrin aldehyde	0.20	N.D.
Endrin ketone	0.20	N.D.
Heptachlor	0.20	N.D.
Heptachlor epoxide	0.20	N.D.
Methoxychlor	0.20	N.D.
Toxaphene	8.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	110%
Decachlorobiphenyl (30-130)	57%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02510	Analyzed:	Sep 4, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	1.0	N.D.
alpha-BHC	1.0	N.D.
beta-BHC	1.0	N.D.
delta-BHC	2.5	N.D.
gamma-BHC (Lindane)	1.0	N.D.
Chlordane	20	N.D.
4,4'-DDD	1.0	N.D.
4,4'-DDE	1.0	N.D.
4,4'-DDT	1.0	N.D.
Dieldrin	1.0	N.D.
Endosulfan I	1.0	N.D.
Endosulfan II	1.0	N.D.
Endosulfan sulfate	5.0	N.D.
Endrin	1.0	N.D.
Endrin aldehyde	1.0	N.D.
Endrin ketone	1.0	N.D.
Heptachlor	1.0	N.D.
Heptachlor epoxide	1.0	N.D.
Methoxychlor	1.0	N.D.
Toxaphene	40	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02511	Analyzed:	Sep 2, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.20	N.D.
alpha-BHC	0.20	N.D.
beta-BHC	0.20	N.D.
delta-BHC	0.50	N.D.
gamma-BHC (Lindane)	0.20	N.D.
Chlordane	4.0	N.D.
4,4'-DDD	0.20	N.D.
4,4'-DDE	0.20	N.D.
4,4'-DDT	0.20	N.D.
Dieldrin	0.20	N.D.
Endosulfan I	0.20	N.D.
Endosulfan II	0.20	N.D.
Endosulfan sulfate	1.0	N.D.
Endrin	0.20	N.D.
Endrin aldehyde	0.20	N.D.
Endrin ketone	0.20	N.D.
Heptachlor	0.20	N.D.
Heptachlor epoxide	0.20	N.D.
Methoxychlor	0.20	N.D.
Toxaphene	8.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	120%
Decachlorobiphenyl (30-130)	72%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed:	Aug 28, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	95%
Decachlorobiphenyl (30-130)	58%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-1	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02513	Analyzed:	Sep 2, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.20	N.D.
alpha-BHC	0.20	N.D.
beta-BHC	0.20	N.D.
delta-BHC	0.50	N.D.
gamma-BHC (Lindane)	0.20	N.D.
Chlordane	4.0	N.D.
4,4'-DDD	0.20	N.D.
4,4'-DDE	0.20	N.D.
4,4'-DDT	0.20	N.D.
Dieldrin	0.20	N.D.
Endosulfan I	0.20	N.D.
Endosulfan II	0.20	N.D.
Endosulfan sulfate	1.0	N.D.
Endrin	0.20	N.D.
Endrin aldehyde	0.20	N.D.
Endrin ketone	0.20	N.D.
Heptachlor	0.20	N.D.
Heptachlor epoxide	0.20	N.D.
Methoxychlor	0.20	N.D.
Toxaphene	8.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	96%
Decachlorobiphenyl (30-130)	65%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 20, 1998
21 Technology Drive		WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water, SSP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH02515	Analyzed:	Sep 2, 1998
	QC Batch:	HH24PE1W	Reported:	Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.20	N.D.
alpha-BHC	0.20	N.D.
beta-BHC	0.20	N.D.
delta-BHC	0.50	N.D.
gamma-BHC (Lindane)	0.20	N.D.
Chlordane	4.0	N.D.
4,4'-DDD	0.20	N.D.
4,4'-DDE	0.20	N.D.
4,4'-DDT	0.20	N.D.
Dieldrin	0.20	N.D.
Endosulfan I	0.20	N.D.
Endosulfan II	0.20	N.D.
Endosulfan sulfate	1.0	N.D.
Endrin	0.20	N.D.
Endrin aldehyde	0.20	N.D.
Endrin ketone	0.20	N.D.
Heptachlor	0.20	N.D.
Heptachlor epoxide	0.20	N.D.
Methoxychlor	0.20	N.D.
Toxaphene	8.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	93%
Decachlorobiphenyl (30-130)	70%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, EX-6 (Free)	Extracted:	Aug 30, 1998
Attention: Richard Scott	Lab Number: HH02507	Analyzed:	Sep 3, 1998
		Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	130	N.D.
Aroclor 1221	130	N.D.
Aroclor 1232	130	N.D.
Aroclor 1242	130	N.D.
Aroclor 1248	**130**	**170**
Aroclor 1254	130	N.D.
Aroclor 1260	**130**	**170**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 25.

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-3 (Free)	Analyzed:	Sep 3, 1998
Attention: Richard Scott	Lab Number: HH02509	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	5.0	N.D.
Aroclor 1221	5.0	N.D.
Aroclor 1232	5.0	N.D.
Aroclor 1242	5.0	N.D.
Aroclor 1248	5.0	N.D.
Aroclor 1254	5.0	N.D.
Aroclor 1260	**5.0**	**5.6**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-1 (Free)	Extracted:	Aug 30, 1998
Attention: Richard Scott	Lab Number: HH02514	Analyzed:	Sep 3, 1998
		Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	100	N.D.
Aroclor 1221	100	N.D.
Aroclor 1232	100	N.D.
Aroclor 1242	100	N.D.
Aroclor 1248	**100**	**100**
Aroclor 1254	100	N.D.
Aroclor 1260	**100**	**350**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 20, 1998
21 Technology Drive		WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water, EX-6	Extracted: Aug 24, 1998
Attention: Richard Scott	Lab Number:	HH02508	Analyzed: Aug 29, 1998
	QC Batch:	HH24PE1W	Reported: Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	50	N.D.
Aroclor 1221	50	N.D.
Aroclor 1232	50	N.D.
Aroclor 1242	50	N.D.
Aroclor 1248	**50**	**310**
Aroclor 1254	50	N.D.
Aroclor 1260	**50**	**330**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02510	Analyzed:	Aug 29, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	**1.0**	**1.6**

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	59%
Decachlorobiphenyl (30-130)	32%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02511	Analyzed:	Aug 30, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	5.0	N.D.
Aroclor 1221	5.0	N.D.
Aroclor 1232	5.0	N.D.
Aroclor 1242	5.0	N.D.
Aroclor 1248	**5.0**	**31**
Aroclor 1254	5.0	N.D.
Aroclor 1260	**5.0**	**35**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed:	Sep 3, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	74%
Decachlorobiphenyl (30-130)	63%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-1	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02513	Analyzed:	8/30-9/4,1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	10	N.D.
Aroclor 1221	10	N.D.
Aroclor 1232	10	N.D.
Aroclor 1242	10	N.D.
Aroclor 1248	**10**	**32**
Aroclor 1254	10	N.D.
Aroclor 1260	**50**	**82**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for all analytes except Aroclor 1260 have been raised by a factor of 10. The reporting limit for Aroclor 1260 has been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-2	Extracted:	Aug 24, 1998
Attention: Richard Scott	Lab Number: HH02515	Analyzed:	Sep 4, 1998
	QC Batch: HH24PE1W	Reported:	Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	20	N.D.
Aroclor 1221	20	N.D.
Aroclor 1232	20	N.D.
Aroclor 1242	20	N.D.
Aroclor 1248	**20**	**47**
Aroclor 1254	20	N.D.
Aroclor 1260	**20**	**42**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	Diluted out
Decachlorobiphenyl (30-130)	Diluted out

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, EX-6 (Free)	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02507	Analyzed:	Aug 26, 1998
	QC Batch: HH26081S	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	500,000	N.D.
Benzene	100,000	N.D.
Bromodichloromethane	100,000	N.D.
Bromoform	250,000	N.D.
Bromomethane	250,000	N.D.
2-Butanone	500,000	N.D.
Carbon disulfide	250,000	N.D.
Carbon tetrachloride	250,000	N.D.
Chloroethane	250,000	N.D.
Chloroform	100,000	N.D.
Chloromethane	250,000	N.D.
1,2-Dibromoethane	100,000	N.D.
1,1-Dichloroethane	100,000	N.D.
1,2-Dichloroethane	100,000	N.D.
1,1-Dichloroethene	250,000	N.D.
trans-1,2-Dichloroethene	100,000	N.D.
1,2-Dichloropropane	100,000	N.D.
cis-1,3-Dichloropropene	100,000	N.D.
trans-1,3-Dichloropropene	100,000	N.D.
Ethylbenzene	**100,000**	**590,000**
2-Hexanone	500,000	N.D.
4-Methyl-2-pentanone	250,000	N.D.
Methylene chloride	1,000,000	N.D.
1,1,2,2-Tetrachloroethane	100,000	N.D.
Tetrachloroethene	100,000	N.D.
Toluene	**100,000**	**140,000**
1,1,1-Trichloroethane	100,000	N.D.
1,1,2-Trichloroethane	100,000	N.D.
Trichloroethene	100,000	N.D.
Vinyl acetate	250,000	N.D.
Vinyl chloride	250,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	98%
Toluene-d8 (81-117)	101%
4-Bromofluorobenzene (74-121)	98%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-3 (Free)	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02509	Analyzed:	Aug 26, 1998
	QC Batch: HH26081S	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	500,000	N.D.
Benzene	**100,000**	**240,000**
Bromodichloromethane	100,000	N.D.
Bromoform	250,000	N.D.
Bromomethane	250,000	N.D.
2-Butanone	500,000	N.D.
Carbon disulfide	250,000	N.D.
Carbon tetrachloride	250,000	N.D.
Chloroethane	250,000	N.D.
Chloroform	100,000	N.D.
Chloromethane	250,000	N.D.
1,2-Dibromoethane	100,000	N.D.
1,1-Dichloroethane	100,000	N.D.
1,2-Dichloroethane	100,000	N.D.
1,1-Dichloroethene	250,000	N.D.
trans-1,2-Dichloroethene	100,000	N.D.
1,2-Dichloropropane	100,000	N.D.
cis-1,3-Dichloropropene	100,000	N.D.
trans-1,3-Dichloropropene	100,000	N.D.
Ethylbenzene	100,000	N.D.
2-Hexanone	500,000	N.D.
4-Methyl-2-pentanone	250,000	N.D.
Methylene chloride	1,000,000	N.D.
1,1,2,2-Tetrachloroethane	100,000	N.D.
Tetrachloroethene	100,000	N.D.
Toluene	**100,000**	**1,400,000**
1,1,1-Trichloroethane	100,000	N.D.
1,1,2-Trichloroethane	100,000	N.D.
Trichloroethene	100,000	N.D.
Vinyl acetate	250,000	N.D.
Vinyl chloride	250,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (80-120)	97%
Toluene-d8 (81-117)	107%
4-Bromofluorobenzene (74-121)	97%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-1 (Free)	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02514	Analyzed:	Aug 26, 1998
	QC Batch: HH26081S	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	500,000	N.D.
Benzene	**100,000**	**130,000**
Bromodichloromethane	100,000	N.D.
Bromoform	250,000	N.D.
Bromomethane	250,000	N.D.
2-Butanone	500,000	N.D.
Carbon disulfide	250,000	N.D.
Carbon tetrachloride	250,000	N.D.
Chloroethane	250,000	N.D.
Chloroform	100,000	N.D.
Chloromethane	250,000	N.D.
1,2-Dibromoethane	100,000	N.D.
1,1-Dichloroethane	100,000	N.D.
1,2-Dichloroethane	100,000	N.D.
1,1-Dichloroethene	250,000	N.D.
trans-1,2-Dichloroethene	100,000	N.D.
1,2-Dichloropropane	100,000	N.D.
cis-1,3-Dichloropropene	100,000	N.D.
trans-1,3-Dichloropropene	100,000	N.D.
Ethylbenzene	100,000	N.D.
2-Hexanone	500,000	N.D.
4-Methyl-2-pentanone	250,000	N.D.
Methylene chloride	1,000,000	N.D.
1,1,2,2-Tetrachloroethane	100,000	N.D.
Tetrachloroethene	**100,000**	**200,000**
Toluene	**100,000**	**1,800,000**
1,1,1-Trichloroethane	100,000	N.D.
1,1,2-Trichloroethane	100,000	N.D.
Trichloroethene	100,000	N.D.
Vinyl acetate	250,000	N.D.
Vinyl chloride	250,000	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50000.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	100%
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	99%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, EX-6	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02508	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**100**	**740**
Benzene	**20**	**690**
Bromodichloromethane	20	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
2-Butanone	**100**	**2,400**
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chloroethane	50	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,2-Dibromoethane	20	N.D.
1,1-Dichloroethane	20	N.D.
1,2-Dichloroethane	20	N.D.
1,1-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	**20**	**360**
2-Hexanone	100	N.D.
4-Methyl-2-pentanone	**50**	**2,000**
Methylene chloride	200	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	**20**	**21**
Toluene	**20**	**470**
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	**20**	**160**
Vinyl acetate	50	N.D.
Vinyl chloride	**50**	**590**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	101%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-3	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02510	Analyzed:	Aug 26, 1998
	QC Batch: HH26011W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	50	N.D.
Benzene	**10**	**1,100**
Bromodichloromethane	10	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
2-Butanone	50	N.D.
Carbon disulfide	25	N.D.
Carbon tetrachloride	25	N.D.
Chloroethane	25	N.D.
Chloroform	10	N.D.
Chloromethane	25	N.D.
1,2-Dibromoethane	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Ethylbenzene	**10**	**220**
2-Hexanone	50	N.D.
4-Methyl-2-pentanone	**25**	**150**
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
Toluene	**10**	**1,100**
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Vinyl acetate	25	N.D.
Vinyl chloride	**25**	**36**

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	57%*
Toluene-d8 (88-110)	103%
4-Bromofluorobenzene (86-115)	105%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02511	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	25	N.D.
Benzene	**5.0**	**210**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**110**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**63**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**62**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**18**
Toluene	**5.0**	**360**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**50**
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**120**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	97%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**800**
Benzene	**5.0**	**330**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	**25**	**420**
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**51**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	**13**	**230**
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	**5.0**	**6.3**
Toluene	**5.0**	**450**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	**5.0**	**33**
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**230**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	98%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 20, 1998
21 Technology Drive		WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water, SSP-1	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number:	HH02513	Analyzed:	Aug 26, 1998
	QC Batch:	HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**400**
Benzene	**5.0**	**440**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**49**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**220**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**71**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	98%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	104%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-2	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02515	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	**25**	**200**
Benzene	**5.0**	**210**
Bromodichloromethane	5.0	N.D.
Bromoform	13	N.D.
Bromomethane	13	N.D.
2-Butanone	25	N.D.
Carbon disulfide	13	N.D.
Carbon tetrachloride	13	N.D.
Chloroethane	13	N.D.
Chloroform	5.0	N.D.
Chloromethane	13	N.D.
1,2-Dibromoethane	5.0	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	13	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	**5.0**	**230**
2-Hexanone	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Methylene chloride	50	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	**5.0**	**8.4**
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	**13**	**39**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	99%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	105%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, Trip Blank	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02516	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	100%
Toluene-d8 (88-110)	101%
4-Bromofluorobenzene (86-115)	106%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, EX-6	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02508	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	101%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 20, 1998
21 Technology Drive		WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water, SDP-3	Extracted: Aug 26, 1998
Attention: Richard Scott	Lab Number:	HH02510	Analyzed: Aug 26, 1998
	QC Batch:	HH26011W	Reported: Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	25	N.D.

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	**57%***

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02511	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	97%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	98%

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled:	Aug 20, 1998
21 Technology Drive		WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water, SSP-1	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number:	HH02513	Analyzed:	Aug 26, 1998
	QC Batch:	HH26091W	Reported:	Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	98%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-2	Extracted:	Aug 26, 1998
Attention: Richard Scott	Lab Number: HH02515	Analyzed:	Aug 26, 1998
	QC Batch: HH26091W	Reported:	Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	13	N.D.

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 2.5.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118).....	99%

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, EX-6 (Free)	Extracted:	Sep 3, 1998
Attention: Richard Scott	Lab Number: HH02507	Analyzed:	Sep 3, 1998
		Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	530,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	530,000	N.D.	Isophorone	530,000	N.D.
Anthracene	530,000	N.D.	**2-Methylnaphthalene**	**530,000**	**1,600,000**
Benz(a)anthracene	530,000	N.D.	2-Methylphenol	790,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	790,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	Naphthalene	790,000	N.D.
Benzo(g,h,i)perylene	790,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,600,000	N.D.
Bis(2-chloroethyl)ether	530,000	N.D.	Nitrobenzene	2,600,000	N.D.
Bis(2-chloroisopropyl)ether	530,000	N.D.	2-Nitrophenol	530,000	N.D.
Bis(2-ethylhexyl)phthalate	5,300,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	790,000	N.D.	N-Nitroso-di-N-propylamine	790,000	N.D.
Butyl benzyl phthalate	2,600,000	N.D.	Pentachlorophenol	2,600,000	N.D.
4-Chloroaniline	530,000	N.D.	Phenanthrene	530,000	N.D.
2-Chloronaphthalene	530,000	N.D.	Phenol	790,000	N.D.
4-Chloro-3-methylphenol	530,000	N.D.	Pyrene	790,000	N.D.
4-Chlorophenyl phenyl ether	530,000	N.D.	1,2,4-Trichlorobenzene	530,000	N.D.
Chrysene	530,000	N.D.	2,4,5-Trichlorophenol	790,000	N.D.
Dibenz(a,h)anthracene	1,300,000	N.D.	2,4,6-Trichlorophenol	790,000	N.D.
Dibenzofuran	530,000	N.D.			
Di-N-butyl phthalate	1,300,000	N.D.			
1,3-Dichlorobenzene	530,000	N.D.			
1,4-Dichlorobenzene	530,000	N.D.			
1,2-Dichlorobenzene	530,000	N.D.			
3,3-Dichlorobenzidine	2,600,000	N.D.			
2,4-Dichlorophenol	530,000	N.D.			
Dimethyl phthalate	530,000	N.D.			
4,6-Dinitro-2-methylphenol	1,300,000	N.D.			
2,4-Dinitrophenol	1,300,000	N.D.			
2,4-Dinitrotoluene	530,000	N.D.			
2,6-Dinitrotoluene	530,000	N.D.			
Di-N-octyl phthalate	2,600,000	N.D.			
Fluoranthene	530,000	N.D.			
Fluorene	530,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5,300.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-3 (Free)	Extracted:	Sep 3, 1998
Attention: Richard Scott	Lab Number: HH02509	Analyzed:	Sep 3, 1998
		Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	560,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	560,000	N.D.	Isophorone	560,000	N.D.
Anthracene	560,000	N.D.	**2-Methylnaphthalene**	**560,000**	**1,600,000**
Benz(a)anthracene	560,000	N.D.	2-Methylphenol	840,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	840,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	**Naphthalene**	**840,000**	**860,000**
Benzo(g,h,i)perylene	840,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,800,000	N.D.
Bis(2-chloroethyl)ether	560,000	N.D.	Nitrobenzene	2,800,000	N.D.
Bis(2-chloroisopropyl)ether	560,000	N.D.	2-Nitrophenol	560,000	N.D.
Bis(2-ethylhexyl)phthalate	5,600,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	840,000	N.D.	N-Nitroso-di-N-propylamine	840,000	N.D.
Butyl benzyl phthalate	2,800,000	N.D.	Pentachlorophenol	2,800,000	N.D.
4-Chloroaniline	560,000	N.D.	Phenanthrene	560,000	N.D.
2-Chloronaphthalene	560,000	N.D.	Phenol	840,000	N.D.
4-Chloro-3-methylphenol	560,000	N.D.	Pyrene	840,000	N.D.
4-Chlorophenyl phenyl ether	560,000	N.D.	1,2,4-Trichlorobenzene	560,000	N.D.
Chrysene	560,000	N.D.	2,4,5-Trichlorophenol	840,000	N.D.
Dibenz(a,h)anthracene	1,400,000	N.D.	2,4,6-Trichlorophenol	840,000	N.D.
Dibenzofuran	560,000	N.D.			
Di-N-butyl phthalate	1,400,000	N.D.			
1,3-Dichlorobenzene	560,000	N.D.			
1,4-Dichlorobenzene	560,000	N.D.			
1,2-Dichlorobenzene	560,000	N.D.			
3,3-Dichlorobenzidine	2,800,000	N.D.			
2,4-Dichlorophenol	560,000	N.D.			
Dimethyl phthalate	560,000	N.D.			
4,6-Dinitro-2-methylphenol	1,400,000	N.D.			
2,4-Dinitrophenol	1,400,000	N.D.			
2,4-Dinitrotoluene	560,000	N.D.			
2,6-Dinitrotoluene	560,000	N.D.			
Di-N-octyl phthalate	2,800,000	N.D.			
Fluoranthene	560,000	N.D.			
Fluorene	560,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5,600.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Product, SDP-1 (Free)	Extracted:	Sep 3, 1998
Attention: Richard Scott	Lab Number: HH02514	Analyzed:	Sep 3, 1998
		Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	540,000	N.D.	Indeno(1,2,3-cd)pyrene	1,100,000	N.D.
Acenaphthylene	540,000	N.D.	Isophorone	540,000	N.D.
Anthracene	540,000	N.D.	**2-Methylnaphthalene**	**540,000**	**910,000**
Benz(a)anthracene	540,000	N.D.	2-Methylphenol	820,000	N.D.
Benzo(b)fluoranthene	1,100,000	N.D.	4-Methylphenol	820,000	N.D.
Benzo(k)fluoranthene	1,100,000	N.D.	Naphthalene	820,000	N.D.
Benzo(g,h,i)perylene	820,000	N.D.	2-Nitroaniline	1,100,000	N.D.
Benzo(a)pyrene	1,100,000	N.D.	4-Nitroaniline	2,700,000	N.D.
Bis(2-chloroethyl)ether	540,000	N.D.	Nitrobenzene	2,700,000	N.D.
Bis(2-chloroisopropyl)ether	540,000	N.D.	2-Nitrophenol	540,000	N.D.
Bis(2-ethylhexyl)phthalate	5,400,000	N.D.	N-Nitrosodiphenylamine	1,100,000	N.D.
4-Bromophenyl phenyl ether	820,000	N.D.	N-Nitroso-di-N-propylamine	820,000	N.D.
Butyl benzyl phthalate	2,700,000	N.D.	Pentachlorophenol	2,700,000	N.D.
4-Chloroaniline	540,000	N.D.	Phenanthrene	540,000	N.D.
2-Chloronaphthalene	540,000	N.D.	Phenol	820,000	N.D.
4-Chloro-3-methylphenol	540,000	N.D.	Pyrene	820,000	N.D.
4-Chlorophenyl phenyl ether	540,000	N.D.	1,2,4-Trichlorobenzene	540,000	N.D.
Chrysene	540,000	N.D.	2,4,5-Trichlorophenol	820,000	N.D.
Dibenz(a,h)anthracene	1,400,000	N.D.	2,4,6-Trichlorophenol	820,000	N.D.
Dibenzofuran	540,000	N.D.			
Di-N-butyl phthalate	1,400,000	N.D.			
1,3-Dichlorobenzene	540,000	N.D.			
1,4-Dichlorobenzene	540,000	N.D.			
1,2-Dichlorobenzene	540,000	N.D.			
3,3-Dichlorobenzidine	2,700,000	N.D.			
2,4-Dichlorophenol	540,000	N.D.			
Dimethyl phthalate	540,000	N.D.			
4,6-Dinitro-2-methylphenol	1,400,000	N.D.			
2,4-Dinitrophenol	1,400,000	N.D.			
2,4-Dinitrotoluene	540,000	N.D.			
2,6-Dinitrotoluene	540,000	N.D.			
Di-N-octyl phthalate	2,700,000	N.D.			
Fluoranthene	540,000	N.D.			
Fluorene	540,000	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5,400.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, EX-6	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02508	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	500	N.D.	Indeno(1,2,3-cd)pyrene	1,000	N.D.
Acenaphthylene	500	N.D.	Isophorone	500	N.D.
Anthracene	**500**	**670**	**2-Methylnaphthalene**	**500**	**2,100**
Benz(a)anthracene	500	N.D.	**2-Methylphenol**	**500**	**670**
Benzo(b)fluoranthene	500	N.D.	**4-Methylphenol**	**500**	**6,600**
Benzo(k)fluoranthene	500	N.D.	**Naphthalene**	**500**	**700**
Benzo(g,h,i)perylene	500	N.D.	2-Nitroaniline	1,000	N.D.
Benzo(a)pyrene	500	N.D.	4-Nitroaniline	5,000	N.D.
Bis(2-chloroethyl)ether	500	N.D.	Nitrobenzene	2,000	N.D.
Bis(2-chloroisopropyl)ether	500	N.D.	2-Nitrophenol	500	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.	N-Nitrosodiphenylamine	500	N.D.
4-Bromophenyl phenyl ether	500	N.D.	N-Nitroso-di-N-propylamine	500	N.D.
Butyl benzyl phthalate	1,000	N.D.	Pentachlorophenol	2,000	N.D.
4-Chloroaniline	500	N.D.	**Phenanthrene**	**500**	**580**
2-Chloronaphthalene	500	N.D.	**Phenol**	**500**	**3,800**
4-Chloro-3-methylphenol	1,000	N.D.	Pyrene	500	N.D.
4-Chlorophenyl phenyl ether	500	N.D.	1,2,4-Trichlorobenzene	500	N.D.
Chrysene	500	N.D.	2,4,5-Trichlorophenol	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.	2,4,6-Trichlorophenol	1,000	N.D.
Dibenzofuran	500	N.D.			
Di-N-butyl phthalate	1,000	N.D.			
1,3-Dichlorobenzene	500	N.D.			
1,4-Dichlorobenzene	500	N.D.			
1,2-Dichlorobenzene	500	N.D.			
3,3-Dichlorobenzidine	2,000	N.D.			
2,4-Dichlorophenol	500	N.D.			
Dimethyl phthalate	500	N.D.			
4,6-Dinitro-2-methylphenol	2,000	N.D.			
2,4-Dinitrophenol	5,000	N.D.			
2,4-Dinitrotoluene	500	N.D.			
2,6-Dinitrotoluene	500	N.D.			
Di-N-octyl phthalate	2,000	N.D.			
Fluoranthene	500	N.D.			
Fluorene	500	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

*** Due to sample matrix effects, the surrogate recovery was outside acceptance limits.**

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	90%
Phenol-d6 (10-94)	91%
2,4,6-Tribromophenol (10-123)	69%
Nitrobenzene-d5 (35-114)	**140%***
2-Fluorobiphenyl (43-116)	90%
Terphenyl-d14 (33-141)	74%

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-3	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02510	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	500	N.D.	Indeno(1,2,3-cd)pyrene	1,000	N.D.
Acenaphthylene	500	N.D.	Isophorone	500	N.D.
Anthracene	500	N.D.	**2-Methylnaphthalene**	**500**	**1,600**
Benz(a)anthracene	500	N.D.	**2-Methylphenol**	**500**	**2,000**
Benzo(b)fluoranthene	500	N.D.	**4-Methylphenol**	**500**	**3,500**
Benzo(k)fluoranthene	500	N.D.	**Naphthalene**	**500**	**1,000**
Benzo(g,h,i)perylene	500	N.D.	2-Nitroaniline	1,000	N.D.
Benzo(a)pyrene	500	N.D.	4-Nitroaniline	5,000	N.D.
Bis(2-chloroethyl)ether	500	N.D.	Nitrobenzene	2,000	N.D.
Bis(2-chloroisopropyl)ether	500	N.D.	2-Nitrophenol	500	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.	N-Nitrosodiphenylamine	500	N.D.
4-Bromophenyl phenyl ether	500	N.D.	N-Nitroso-di-N-propylamine	500	N.D.
Butyl benzyl phthalate	1,000	N.D.	Pentachlorophenol	2,000	N.D.
4-Chloroaniline	500	N.D.	Phenanthrene	500	N.D.
2-Chloronaphthalene	500	N.D.	**Phenol**	**500**	**2,900**
4-Chloro-3-methylphenol	1,000	N.D.	Pyrene	500	N.D.
4-Chlorophenyl phenyl ether	500	N.D.	1,2,4-Trichlorobenzene	500	N.D.
Chrysene	500	N.D.	2,4,5-Trichlorophenol	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.	2,4,6-Trichlorophenol	1,000	N.D.
Dibenzofuran	500	N.D.			
Di-N-butyl phthalate	1,000	N.D.			
1,3-Dichlorobenzene	500	N.D.			
1,4-Dichlorobenzene	500	N.D.			
1,2-Dichlorobenzene	500	N.D.			
3,3-Dichlorobenzidine	2,000	N.D.			
2,4-Dichlorophenol	500	N.D.			
Dimethyl phthalate	500	N.D.			
4,6-Dinitro-2-methylphenol	2,000	N.D.			
2,4-Dinitrophenol	5,000	N.D.			
2,4-Dinitrotoluene	500	N.D.			
2,6-Dinitrotoluene	500	N.D.			
Di-N-octyl phthalate	2,000	N.D.			
Fluoranthene	500	N.D.			
Fluorene	500	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	88%
Phenol-d6 (10-94)	78%
2,4,6-Tribromophenol (10-123)	48%
Nitrobenzene-d5 (35-114)	108%
2-Fluorobiphenyl (43-116)	68%
Terphenyl-d14 (33-141)	65%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02511	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	200	N.D.	Indeno(1,2,3-cd)pyrene	400	N.D.
Acenaphthylene	200	N.D.	Isophorone	200	N.D.
Anthracene	200	N.D.	**2-Methylnaphthalene**	**200**	**340**
Benz(a)anthracene	200	N.D.	2-Methylphenol	200	N.D.
Benzo(b)fluoranthene	200	N.D.	4-Methylphenol	200	N.D.
Benzo(k)fluoranthene	200	N.D.	Naphthalene	200	N.D.
Benzo(g,h,i)perylene	200	N.D.	2-Nitroaniline	400	N.D.
Benzo(a)pyrene	200	N.D.	4-Nitroaniline	2,000	N.D.
Bis(2-chloroethyl)ether	200	N.D.	Nitrobenzene	800	N.D.
Bis(2-chloroisopropyl)ether	200	N.D.	2-Nitrophenol	200	N.D.
Bis(2-ethylhexyl)phthalate	2,000	N.D.	N-Nitrosodiphenylamine	200	N.D.
4-Bromophenyl phenyl ether	200	N.D.	N-Nitroso-di-N-propylamine	200	N.D.
Butyl benzyl phthalate	400	N.D.	Pentachlorophenol	800	N.D.
4-Chloroaniline	200	N.D.	Phenanthrene	200	N.D.
2-Chloronaphthalene	200	N.D.	Phenol	200	N.D.
4-Chloro-3-methylphenol	400	N.D.	Pyrene	200	N.D.
4-Chlorophenyl phenyl ether	200	N.D.	1,2,4-Trichlorobenzene	200	N.D.
Chrysene	200	N.D.	2,4,5-Trichlorophenol	400	N.D.
Dibenz(a,h)anthracene	400	N.D.	2,4,6-Trichlorophenol	400	N.D.
Dibenzofuran	200	N.D.			
Di-N-butyl phthalate	400	N.D.			
1,3-Dichlorobenzene	200	N.D.			
1,4-Dichlorobenzene	200	N.D.			
1,2-Dichlorobenzene	200	N.D.			
3,3-Dichlorobenzidine	800	N.D.			
2,4-Dichlorophenol	200	N.D.			
Dimethyl phthalate	200	N.D.			
4,6-Dinitro-2-methylphenol	800	N.D.			
2,4-Dinitrophenol	2,000	N.D.			
2,4-Dinitrotoluene	200	N.D.			
2,6-Dinitrotoluene	200	N.D.			
Di-N-octyl phthalate	800	N.D.			
Fluoranthene	200	N.D.			
Fluorene	200	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	57%
Phenol-d6 (10-94)	57%
2,4,6-Tribromophenol (10-123)	56%
Nitrobenzene-d5 (35-114)	62%
2-Fluorobiphenyl (43-116)	57%
Terphenyl-d14 (33-141)	52%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	50	N.D.	Indeno(1,2,3-cd)pyrene	100	N.D.
Acenaphthylene	50	N.D.	Isophorone	50	N.D.
Anthracene	50	N.D.	2-Methylnaphthalene	50	N.D.
Benz(a)anthracene	50	N.D.	2-Methylphenol	50	N.D.
Benzo(b)fluoranthene	50	N.D.	**4-Methylphenol**	**50**	**86**
Benzo(k)fluoranthene	50	N.D.	Naphthalene	50	N.D.
Benzo(g,h,i)perylene	50	N.D.	2-Nitroaniline	100	N.D.
Benzo(a)pyrene	50	N.D.	4-Nitroaniline	500	N.D.
Bis(2-chloroethyl)ether	50	N.D.	Nitrobenzene	200	N.D.
Bis(2-chloroisopropyl)ether	50	N.D.	2-Nitrophenol	50	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.	N-Nitrosodiphenylamine	50	N.D.
4-Bromophenyl phenyl ether	50	N.D.	N-Nitroso-di-N-propylamine	50	N.D.
Butyl benzyl phthalate	100	N.D.	Pentachlorophenol	200	N.D.
4-Chloroaniline	50	N.D.	Phenanthrene	50	N.D.
2-Chloronaphthalene	50	N.D.	**Phenol**	**50**	**150**
4-Chloro-3-methylphenol	100	N.D.	Pyrene	50	N.D.
4-Chlorophenyl phenyl ether	50	N.D.	1,2,4-Trichlorobenzene	50	N.D.
Chrysene	50	N.D.	2,4,5-Trichlorophenol	100	N.D.
Dibenz(a,h)anthracene	100	N.D.	2,4,6-Trichlorophenol	100	N.D.
Dibenzofuran	50	N.D.			
Di-N-butyl phthalate	100	N.D.			
1,3-Dichlorobenzene	50	N.D.			
1,4-Dichlorobenzene	50	N.D.			
1,2-Dichlorobenzene	50	N.D.			
3,3-Dichlorobenzidine	200	N.D.			
2,4-Dichlorophenol	50	N.D.			
Dimethyl phthalate	50	N.D.			
4,6-Dinitro-2-methylphenol	200	N.D.			
2,4-Dinitrophenol	500	N.D.			
2,4-Dinitrotoluene	50	N.D.			
2,6-Dinitrotoluene	50	N.D.			
Di-N-octyl phthalate	200	N.D.			
Fluoranthene	50	N.D.			
Fluorene	50	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 5.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	61%
Phenol-d6 (10-94)	59%
2,4,6-Tribromophenol (10-123)	68%
Nitrobenzene-d5 (35-114)	64%
2-Fluorobiphenyl (43-116)	66%
Terphenyl-d14 (33-141)	61%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-1	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02513	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	200	N.D.	Indeno(1,2,3-cd)pyrene	400	N.D.
Acenaphthylene	200	N.D.	Isophorone	200	N.D.
Anthracene	200	N.D.	**2-Methylnaphthalene**	**200**	**740**
Benz(a)anthracene	200	N.D.	2-Methylphenol	200	N.D.
Benzo(b)fluoranthene	200	N.D.	4-Methylphenol	200	N.D.
Benzo(k)fluoranthene	200	N.D.	**Naphthalene**	**200**	**320**
Benzo(g,h,i)perylene	200	N.D.	2-Nitroaniline	400	N.D.
Benzo(a)pyrene	200	N.D.	4-Nitroaniline	2,000	N.D.
Bis(2-chloroethyl)ether	200	N.D.	Nitrobenzene	800	N.D.
Bis(2-chloroisopropyl)ether	200	N.D.	2-Nitrophenol	200	N.D.
Bis(2-ethylhexyl)phthalate	2,000	N.D.	N-Nitrosodiphenylamine	200	N.D.
4-Bromophenyl phenyl ether	200	N.D.	N-Nitroso-di-N-propylamine	200	N.D.
Butyl benzyl phthalate	400	N.D.	Pentachlorophenol	800	N.D.
4-Chloroaniline	200	N.D.	Phenanthrene	200	N.D.
2-Chloronaphthalene	200	N.D.	Phenol	200	N.D.
4-Chloro-3-methylphenol	400	N.D.	Pyrene	200	N.D.
4-Chlorophenyl phenyl ether	200	N.D.	1,2,4-Trichlorobenzene	200	N.D.
Chrysene	200	N.D.	2,4,5-Trichlorophenol	400	N.D.
Dibenz(a,h)anthracene	400	N.D.	2,4,6-Trichlorophenol	400	N.D.
Dibenzofuran	200	N.D.			
Di-N-butyl phthalate	400	N.D.			
1,3-Dichlorobenzene	200	N.D.			
1,4-Dichlorobenzene	200	N.D.			
1,2-Dichlorobenzene	200	N.D.			
3,3-Dichlorobenzidine	800	N.D.			
2,4-Dichlorophenol	200	N.D.			
Dimethyl phthalate	200	N.D.			
4,6-Dinitro-2-methylphenol	800	N.D.			
2,4-Dinitrophenol	2,000	N.D.			
2,4-Dinitrotoluene	200	N.D.			
2,6-Dinitrotoluene	200	N.D.			
Di-N-octyl phthalate	800	N.D.			
Fluoranthene	200	N.D.			
Fluorene	200	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 20.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	70%
Phenol-d6 (10-94)	61%
2,4,6-Tribromophenol (10-123)	66%
Nitrobenzene-d5 (35-114)	90%
2-Fluorobiphenyl (43-116)	68%
Terphenyl-d14 (33-141)	62%

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Pat Abe
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TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Aug 20, 1998
21 Technology Drive	WDI	Received:	Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-2	Extracted:	Aug 23, 1998
Attention: Richard Scott	Lab Number: HH02515	Analyzed:	Sep 2, 1998
	QC Batch: HH23SE1W	Reported:	Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	400	N.D.	Indeno(1,2,3-cd)pyrene	800	N.D.
Acenaphthylene	400	N.D.	Isophorone	400	N.D.
Anthracene	400	N.D.	**2-Methylnaphthalene**	**400**	**940**
Benz(a)anthracene	400	N.D.	2-Methylphenol	400	N.D.
Benzo(b)fluoranthene	400	N.D.	4-Methylphenol	400	N.D.
Benzo(k)fluoranthene	400	N.D.	Naphthalene	400	N.D.
Benzo(g,h,i)perylene	400	N.D.	2-Nitroaniline	800	N.D.
Benzo(a)pyrene	400	N.D.	4-Nitroaniline	4,000	N.D.
Bis(2-chloroethyl)ether	400	N.D.	Nitrobenzene	1,600	N.D.
Bis(2-chloroisopropyl)ether	400	N.D.	2-Nitrophenol	400	N.D.
Bis(2-ethylhexyl)phthalate	4,000	N.D.	N-Nitrosodiphenylamine	400	N.D.
4-Bromophenyl phenyl ether	400	N.D.	N-Nitroso-di-N-propylamine	400	N.D.
Butyl benzyl phthalate	800	N.D.	Pentachlorophenol	1,600	N.D.
4-Chloroaniline	400	N.D.	Phenanthrene	400	N.D.
2-Chloronaphthalene	400	N.D.	Phenol	400	N.D.
4-Chloro-3-methylphenol	800	N.D.	Pyrene	400	N.D.
4-Chlorophenyl phenyl ether	400	N.D.	1,2,4-Trichlorobenzene	400	N.D.
Chrysene	400	N.D.	2,4,5-Trichlorophenol	800	N.D.
Dibenz(a,h)anthracene	800	N.D.	2,4,6-Trichlorophenol	800	N.D.
Dibenzofuran	400	N.D.			
Di-N-butyl phthalate	800	N.D.			
1,3-Dichlorobenzene	400	N.D.			
1,4-Dichlorobenzene	400	N.D.			
1,2-Dichlorobenzene	400	N.D.			
3,3-Dichlorobenzidine	1,600	N.D.			
2,4-Dichlorophenol	400	N.D.			
Dimethyl phthalate	400	N.D.			
4,6-Dinitro-2-methylphenol	1,600	N.D.			
2,4-Dinitrophenol	4,000	N.D.			
2,4-Dinitrotoluene	400	N.D.			
2,6-Dinitrotoluene	400	N.D.			
Di-N-octyl phthalate	1,600	N.D.			
Fluoranthene	400	N.D.			
Fluorene	400	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 40.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	60%
Phenol-d6 (10-94)	53%
2,4,6-Tribromophenol (10-123)	57%
Nitrobenzene-d5 (35-114)	82%
2-Fluorobiphenyl (43-116)	62%
Terphenyl-d14 (33-141)	66%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, EX-6 (Free)
Lab Number: HH02507

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	46	8/28/98 HH28ME1S	8/31/98
Antimony	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Arsenic	EPA 6010	2.0	1.0	2.9	8/28/98 HH28ME1S	8/31/98
Barium	EPA 6010	1.0	1.0	39	8/28/98 HH28ME1S	8/31/98
Beryllium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Cadmium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Calcium	EPA 6010	10	1.0	490	8/28/98 HH28ME1S	8/31/98
Chromium, total	EPA 6010	1.0	1.0	56	8/28/98 HH28ME1S	8/31/98
Cobalt	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Iron	EPA 6010	5.0	1.0	120	8/28/98 HH28ME1S	8/31/98
Lead	EPA 6010	2.0	1.0	12	8/28/98 HH28ME1S	8/31/98
Magnesium	EPA 6010	10	1.0	11	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, EX-6 (Free)
Lab Number: HH02507

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	5.7	8/28/98 HH28ME1S	8/31/98
Mercury	EPA 7470	0.020	1.0	N.D.	8/22/98 HH22HG1S	8/22/98
Nickel	EPA 6010	1.0	1.0	23	8/28/98 HH28ME1S	8/31/98
Selenium	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Sodium	EPA 6010	10	1.0	23	9/10/98 HI10ME1W	9/13/98
Thallium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Vanadium	EPA 6010	1.0	1.0	20	8/28/98 HH28ME1S	8/31/98
Zinc	EPA 6010	5.0	1.0	6.3	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, SDP-3 (Free)
Lab Number: HH02509

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	HI17ME2S	9/21/98
Antimony	EPA 6010	10	1.0	N.D.	HI17ME2S	9/21/98
Arsenic	EPA 6010	2.0	1.0	N.D.	HI17ME2S	9/21/98
Barium	EPA 6010	1.0	1.0	28	HI17ME2S	9/21/98
Beryllium	EPA 6010	0.50	1.0	N.D.	HI17ME2S	9/21/98
Cadmium	EPA 6010	0.50	1.0	N.D.	HI17ME2S	9/21/98
Calcium	EPA 6010	10	1.0	160	HI17ME2S	9/21/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	HI17ME2S	9/21/98
Cobalt	EPA 6010	1.0	1.0	N.D.	HI17ME2S	9/21/98
Iron	EPA 6010	5.0	1.0	19	HI17ME2S	9/21/98
Lead	EPA 6010	2.0	1.0	N.D.	HI17ME2S	9/21/98
Magnesium	EPA 6010	10	1.0	N.D.	HI17ME2S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, SDP-3 (Free)
Lab Number: HH02509

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	HI17ME2S	9/21/98
Mercury	EPA 7470	0.020	1.0	N.D.	8/22/98 HH22HG1S	8/22/98
Nickel	EPA 6010	1.0	1.0	15	HI17ME2S	9/21/98
Selenium	EPA 6010	2.0	1.0	N.D.	HI17ME2S	9/21/98
Sodium	EPA 6010	10	1.0	N.D.	HH31ME1S	9/14/98
Thallium	EPA 6010	10	1.0	N.D.	HI17ME2S	9/21/98
Vanadium	EPA 6010	1.0	1.0	7.7	HI17ME2S	9/21/98
Zinc	EPA 6010	5.0	1.0	N.D.	HI17ME2S	9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, SDP-1 (Free)
Lab Number: HH02514

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	25	8/28/98 HH28ME1S	8/31/98
Antimony	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Arsenic	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Barium	EPA 6010	1.0	1.0	18	8/28/98 HH28ME1S	8/31/98
Beryllium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Cadmium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Calcium	EPA 6010	10	1.0	690	8/28/98 HH28ME1S	8/31/98
Chromium, total	EPA 6010	1.0	1.0	18	8/28/98 HH28ME1S	8/31/98
Cobalt	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Iron	EPA 6010	5.0	1.0	36	8/28/98 HH28ME1S	8/31/98
Lead	EPA 6010	2.0	1.0	10	8/28/98 HH28ME1S	8/31/98
Magnesium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
Sample Descript: Product, SDP-1 (Free)
Lab Number: HH02514

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	2.1	8/28/98 HH28ME1S	8/31/98
Mercury	EPA 7470	0.020	1.0	N.D.	8/22/98 HH22HG1S	8/22/98
Nickel	EPA 6010	1.0	1.0	14	8/28/98 HH28ME1S	8/31/98
Selenium	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Sodium	EPA 6010	10	1.0	N.D.	9/10/98 HI10ME1W	9/13/98
Thallium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Vanadium	EPA 6010	1.0	1.0	12	8/28/98 HH28ME1S	8/31/98
Zinc	EPA 6010	5.0	1.0	17	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, EX-6
Lab Number: HH02508

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	0.27	8/24/98 HH24ME2W	8/25/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Arsenic	EPA 6010	0.0050	1.0	0.0076	8/24/98 HH24ME2W	8/25/98
Barium	EPA 6010	0.010	1.0	0.034	8/24/98 HH24ME2W	8/25/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Calcium	EPA 6010	0.10	1.0	16	8/24/98 HH24ME2W	8/25/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Iron	EPA 6010	0.020	1.0	0.29	8/24/98 HH24ME2W	8/25/98
Lead	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Magnesium	EPA 6010	0.020	1.0	1.5	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, EX-6
Lab Number: HH02508

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	0.25	8/24/98 HH24ME2W	8/25/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	0.029	8/24/98 HH24ME2W	8/25/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Sodium	EPA 6010	0.50	1.0	150	8/24/98 HH24ME2W	9/8/98
Thallium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Vanadium	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Zinc	EPA 6010	0.020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SDP-2
Lab Number: HH02511

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	1.5	8/24/98 HH24ME2W	8/25/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Arsenic	EPA 6010	0.0050	1.0	0.0069	8/24/98 HH24ME2W	8/25/98
Barium	EPA 6010	0.010	1.0	0.074	8/24/98 HH24ME2W	8/25/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Calcium	EPA 6010	0.10	1.0	25	8/24/98 HH24ME2W	8/25/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Iron	EPA 6010	0.020	1.0	2.4	8/24/98 HH24ME2W	8/25/98
Lead	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Magnesium	EPA 6010	0.020	1.0	7.2	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SDP-2	Reported: Sep 29, 1998
Attention: Richard Scott	Lab Number: HH02511	

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	0.21	8/24/98 HH24ME2W	8/25/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Sodium	EPA 6010	0.50	1.0	66	8/24/98 HH24ME2W	9/4/98
Thallium	EPA 6010	0.0050	1.0	0.0057	8/24/98 HH24ME2W	8/25/98
Vanadium	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Zinc	EPA 6010	0.020	1.0	0.028	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-3
Lab Number: HH02512

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	12	8/24/98 HH24ME2W	8/25/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Barium	EPA 6010	0.010	1.0	0.26	8/24/98 HH24ME2W	8/25/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Calcium	EPA 6010	0.10	1.0	25	8/24/98 HH24ME2W	8/25/98
Chromium, total	EPA 6010	0.0050	1.0	0.0096	8/24/98 HH24ME2W	8/25/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Iron	EPA 6010	0.020	1.0	16	8/24/98 HH24ME2W	8/25/98
Lead	EPA 6010	0.0050	1.0	0.013	8/24/98 HH24ME2W	8/25/98
Magnesium	EPA 6010	0.020	1.0	5.7	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

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Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-3
Lab Number: HH02512

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	0.51	8/24/98 HH24ME2W	8/25/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Sodium	EPA 6010	0.50	1.0	47	8/24/98 HH24ME2W	9/4/98
Thallium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Vanadium	EPA 6010	0.010	1.0	0.031	8/24/98 HH24ME2W	8/25/98
Zinc	EPA 6010	0.020	1.0	0.072	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-1
Lab Number: HH02513

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	4.6	8/24/98 HH24ME2W	8/25/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Barium	EPA 6010	0.010	1.0	0.13	8/24/98 HH24ME2W	8/25/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Calcium	EPA 6010	0.10	1.0	34	8/24/98 HH24ME2W	8/25/98
Chromium, total	EPA 6010	0.0050	1.0	0.0057	8/24/98 HH24ME2W	8/25/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Iron	EPA 6010	0.020	1.0	7.6	8/24/98 HH24ME2W	8/25/98
Lead	EPA 6010	0.0050	1.0	0.018	8/24/98 HH24ME2W	8/25/98
Magnesium	EPA 6010	0.020	1.0	6.3	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-1	Reported: Sep 29, 1998
Attention: Richard Scott	Lab Number: HH02513	

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	0.73	8/24/98 HH24ME2W	8/25/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Sodium	EPA 6010	0.50	1.0	55	8/24/98 HH24ME2W	9/4/98
Thallium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Vanadium	EPA 6010	0.010	1.0	0.015	8/24/98 HH24ME2W	8/25/98
Zinc	EPA 6010	0.020	1.0	0.12	8/24/98 HH24ME2W	8/25/98

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DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-2
Lab Number: HH02515

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	15	8/24/98 HH24ME2W	8/25/98
Antimony	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Arsenic	EPA 6010	0.0050	1.0	0.011	8/24/98 HH24ME2W	8/25/98
Barium	EPA 6010	0.010	1.0	0.31	8/24/98 HH24ME2W	8/25/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Calcium	EPA 6010	0.10	1.0	36	8/24/98 HH24ME2W	8/25/98
Chromium, total	EPA 6010	0.0050	1.0	0.016	8/24/98 HH24ME2W	8/25/98
Cobalt	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Iron	EPA 6010	0.020	1.0	21	8/24/98 HH24ME2W	8/25/98
Lead	EPA 6010	0.0050	1.0	0.027	8/24/98 HH24ME2W	8/25/98
Magnesium	EPA 6010	0.020	1.0	13	8/24/98 HH24ME2W	8/25/98

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-2
Lab Number: HH02515

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	0.67	8/24/98 HH24ME2W	8/25/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Selenium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Sodium	EPA 6010	0.50	1.0	56	8/24/98 HH24ME2W	9/4/98
Thallium	EPA 6010	0.0050	1.0	N.D.	8/24/98 HH24ME2W	8/25/98
Vanadium	EPA 6010	0.010	1.0	0.040	8/24/98 HH24ME2W	8/25/98
Zinc	EPA 6010	0.020	1.0	0.11	8/24/98 HH24ME2W	8/25/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Aug 20, 1998
21 Technology Drive		WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript:	Water	Extracted: Aug 21, 1998
Attention: Richard Scott	First Sample #:	HH02508	Analyzed: Aug 21, 1998
			Reported: Sep 29, 1998

pH (EPA 150.1)

Laboratory Number	Sample Description	Reporting Limit pH units	Sample Result pH units
HH02508	EX-6	N.A.	9.2
HH02511	SDP-2	N.A.	7.6
HH02512	SSP-3	N.A.	8.5
HH02513	SSP-1	N.A.	7.7
HH02515	SSP-2	N.A.	7.4

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Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, EX-6	Extracted: Aug 24-28, 1998
Attention: Richard Scott	Lab Number: HH02508	Analyzed: Aug 24-28, 1998
		Reported: Sep 29, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	680
Total Alkalinity	EPA 310.1	2.0	810
Total Dissolved Solids	EPA 160.1	10	5,800
Total Suspended Solids	EPA 160.2	10	10

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SDP-2
Lab Number: HH02511

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Extracted: Aug 24-28, 1998
Analyzed: Aug 24-28, 1998
Reported: Sep 29, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	960
Total Alkalinity	EPA 310.1	2.0	960
Total Dissolved Solids	EPA 160.1	10	3,500
Total Suspended Solids	EPA 160.2	10	10

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-3	Extracted: Aug 24-28, 1998
Attention: Richard Scott	Lab Number: HH02512	Analyzed: Aug 24-28, 1998
		Reported: Sep 29, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	130
Total Alkalinity	EPA 310.1	2.0	130
Total Dissolved Solids	EPA 160.1	10	2,600
Total Suspended Solids	EPA 160.2	10	24

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Client Project ID: 94-256
WDI
Sample Descript: Water, SSP-1
Lab Number: HH02513

Sampled: Aug 20, 1998
Received: Aug 20, 1998
Extracted: Aug 24-28, 1998
Analyzed: Aug 24-28, 1998
Reported: Sep 29, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	310
Total Alkalinity	EPA 310.1	2.0	310
Total Dissolved Solids	EPA 160.1	10	3,100
Total Suspended Solids	EPA 160.2	10	52

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Aug 20, 1998
21 Technology Drive	WDI	Received: Aug 20, 1998
Irvine, CA 92618	Sample Descript: Water, SSP-2	Extracted: Aug 24-28, 1998
Attention: Richard Scott	Lab Number: HH02515	Analyzed: Aug 24-28, 1998
		Reported: Sep 29, 1998

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)
Bicarbonate Alkalinity	SM 2320B	2.0	1,000
Total Alkalinity	EPA 310.1	2.0	1,000
Total Dissolved Solids	EPA 160.1	10	3,400
Total Suspended Solids	EPA 160.2	10	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 28, 1998
Analyzed: Aug 28, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and/or other factors.

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 27, 1998
Analyzed: Aug 27, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Analyzed: Aug 21, 1998
Reported: Sep 29, 1998

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C40	N.A.
	N.D.	C8 - C9	N.A.
	N.D.	C10 - C11	N.A.
	N.D.	C12 - C13	N.A.
	N.D.	C14 - C15	N.A.
	N.D.	C16 - C17	N.A.
	N.D.	C18 - C19	N.A.
	N.D.	C20 - C21	N.A.
	N.D.	C22 - C23	N.A.
	N.D.	C24 - C25	N.A.
	N.D.	C26 - C27	N.A.
	N.D.	C28 - C29	N.A.
	N.D.	C30 - C31	N.A.
	N.D.	C32 - C35	N.A.
	N.D.	C36 - C40	N.A.

Reporting Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 30, 1998
Analyzed: Aug 30, 1998
Reported: Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3550/8081)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aldrin	0.50	N.D.
alpha-BHC	0.50	N.D.
beta-BHC	0.50	N.D.
delta-BHC	1.0	N.D.
gamma-BHC (Lindane)	0.50	N.D.
Chlordane	10	N.D.
4,4'-DDD	0.50	N.D.
4,4'-DDE	0.50	N.D.
4,4'-DDT	0.50	N.D.
Dieldrin	0.50	N.D.
Endosulfan I	0.50	N.D.
Endosulfan II	0.50	N.D.
Endosulfan sulfate	2.0	N.D.
Endrin	0.50	N.D.
Endrin aldehyde	0.50	N.D.
Endrin ketone	**0.50**	**N.D.**
Heptachlor	0.50	N.D.
Heptachlor epoxide	0.50	N.D.
Methoxychlor	0.50	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	96%
Decachlorobiphenyl (30-130)	81%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH24PE1W

Extracted: Aug 24, 1998
Analyzed: Aug 24, 1998
Reported: Sep 29, 1998

ORGANOCHLORINE PESTICIDES by GC (EPA 3510/8081)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aldrin	0.10	N.D.
alpha-BHC	0.10	N.D.
beta-BHC	0.10	N.D.
delta-BHC	0.25	N.D.
gamma-BHC (Lindane)	0.10	N.D.
Chlordane	2.0	N.D.
4,4'-DDD	0.10	N.D.
4,4'-DDE	0.10	N.D.
4,4'-DDT	0.10	N.D.
Dieldrin	0.10	N.D.
Endosulfan I	0.10	N.D.
Endosulfan II	0.10	N.D.
Endosulfan sulfate	0.50	N.D.
Endrin	0.10	N.D.
Endrin aldehyde	0.10	N.D.
Endrin ketone	0.10	N.D.
Heptachlor	0.10	N.D.
Heptachlor epoxide	0.10	N.D.
Methoxychlor	0.10	N.D.
Toxaphene	4.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	66%
Decachlorobiphenyl (30-130)	68%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 30, 1998
Analyzed: Sep 4, 1998
Reported: Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3580/8082)

Analyte	Reporting Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Aroclor 1016	5.0	N.D.
Aroclor 1221	5.0	N.D.
Aroclor 1232	5.0	N.D.
Aroclor 1242	5.0	N.D.
Aroclor 1248	5.0	N.D.
Aroclor 1254	5.0	N.D.
Aroclor 1260	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	87%
Decachlorobiphenyl (30-130)	99%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH24PE1W

Extracted: Aug 24, 1998
Analyzed: Aug 24, 1998
Reported: Sep 29, 1998

POLYCHLORINATED BIPHENYLS by GC (EPA 3510/8082)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Aroclor 1016	1.0	N.D.
Aroclor 1221	1.0	N.D.
Aroclor 1232	1.0	N.D.
Aroclor 1242	1.0	N.D.
Aroclor 1248	1.0	N.D.
Aroclor 1254	1.0	N.D.
Aroclor 1260	1.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Tetrachloro-m-xylene (30-130)	66%
Decachlorobiphenyl (30-130)	62%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH26011W

Extracted: Aug 26, 1998
Analyzed: Aug 26, 1998
Reported: Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/Kg (ppm)	Sample Result µg/Kg (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	101%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	103%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH26091W

Extracted: Aug 26, 1998
Analyzed: Aug 26, 1998
Reported: Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	100%
Toluene-d8 (88-110)	100%
4-Bromofluorobenzene (86-115)	104%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH26081S

Extracted: Aug 26, 1998
Analyzed: Aug 26, 1998
Reported: Sep 29, 1998

VOLATILE ORGANICS with KETONES by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppm)	Sample Result µg/L (ppm)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chloroethane	5.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	5.0	N.D.
1,2-Dibromoethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Methylene chloride	20	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	5.0	N.D.

*MeOH blank

Analytes reported as N.D. were not present at or above the reporting limit. Due to matrix effects and/or other factors, the sample required dilution. Reporting limits for this sample have been raised by a factor of 50.

DEL MAR ANALYTICAL (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	98%
Toluene-d8 (88-110)	102%
4-Bromofluorobenzene (86-115)	99%

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH26011W

Extracted: Aug 26, 1998
Analyzed: Aug 26, 1998
Reported: Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	101%

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH26091W

Extracted: Aug 26, 1998
Analyzed: Aug 26, 1998
Reported: Sep 29, 1998

2-CHLOROETHYL VINYL ETHER by GC/MS (EPA 8260)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
2-Chloroethyl vinyl ether	5.0	N.D.

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
Dibromofluoromethane (86-118)	100%

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21 Technology Drive
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Attention: Richard Scott

Method Blank

Extracted: Sep 3, 1998
Analyzed: Sep 3, 1998
Reported: Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3550/8270)

Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Reporting Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acenaphthene	100	N.D.	Dimethyl phthalate	100	N.D.
Acenaphthylene	100	N.D.	4,6-Dinitro-2-methylphenol	250	N.D.
Aniline	150	N.D.	2,4-Dinitrophenol	250	N.D.
Anthracene	100	N.D.	2,4-Dinitrotoluene	100	N.D.
Azobenzene	150	N.D.	2,6-Dinitrotoluene	100	N.D.
Benzidine	1,000	N.D.	Di-N-octyl phthalate	500	N.D.
Benzoic Acid	500	N.D.	Fluoranthene	100	N.D.
Benz(a)anthracene	100	N.D.	Fluorene	100	N.D.
Benzo(b)fluoranthene	200	N.D.	Hexachlorobenzene	100	N.D.
Benzo(k)fluoranthene	200	N.D.	Hexachlorobutadiene	100	N.D.
Benzo(g,h,i)perylene	150	N.D.	Hexachlorocyclopentadiene	500	N.D.
Benzo(a)pyrene	200	N.D.	Hexachloroethane	200	N.D.
Benzyl alcohol	200	N.D.	Indeno(1,2,3-cd)pyrene	200	N.D.
Bis(2-chloroethoxy)methane	100	N.D.	Isophorone	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.	2-Methylnaphthalene	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.	2-Methylphenol	150	N.D.
Bis(2-ethylhexyl)phthalate	1,000	N.D.	4-Methylphenol	150	N.D.
4-Bromophenyl phenyl ether	150	N.D.	Naphthalene	150	N.D.
Butyl benzyl phthalate	500	N.D.	2-Nitroaniline	200	N.D.
4-Chloroaniline	100	N.D.	3-Nitroaniline	200	N.D.
2-Chloronaphthalene	100	N.D.	4-Nitroaniline	500	N.D.
4-Chloro-3-methylphenol	100	N.D.	Nitrobenzene	500	N.D.
2-Chlorophenol	250	N.D.	2-Nitrophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.	4-Nitrophenol	500	N.D.
Chrysene	100	N.D.	N-Nitrosodiphenylamine	200	N.D.
Dibenz(a,h)anthracene	250	N.D.	N-Nitroso-di-N-propylamine	150	N.D.
Dibenzofuran	100	N.D.	Pentachlorophenol	500	N.D.
Di-N-butyl phthalate	250	N.D.	Phenanthrene	100	N.D.
1,3-Dichlorobenzene	100	N.D.	Phenol	150	N.D.
1,4-Dichlorobenzene	100	N.D.	Pyrene	150	N.D.
1,2-Dichlorobenzene	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.	2,4,5-Trichlorophenol	150	N.D.
2,4-Dichlorophenol	100	N.D.	2,4,6-Trichlorophenol	150	N.D.
Diethyl phthalate	100	N.D.			
2,4-Dimethylphenol	250	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (25-121)	96%
Phenol-d6 (24-113)	90%
2,4,6-Tribromophenol (19-122)	95%
Nitrobenzene-d5 (23-120)	99%
2-Fluorobiphenyl (30-115)	104%
Terphenyl-d14 (18-137)	82%

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

QC Batch: HH23SE1W

Extracted: Aug 23, 1998
Analyzed: Aug 27, 1998
Reported: Sep 29, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3520/8270)

Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)	Analyte	Reporting Limit µg/L (ppb)	Sample Result µg/L (ppb)
Acenaphthene	10	N.D.	Indeno(1,2,3-cd)pyrene	20	N.D.
Acenaphthylene	10	N.D.	Isophorone	10	N.D.
Anthracene	10	N.D.	2-Methylnaphthalene	10	N.D.
Benz(a)anthracene	10	N.D.	2-Methylphenol	10	N.D.
Benzo(b)fluoranthene	10	N.D.	4-Methylphenol	10	N.D.
Benzo(k)fluoranthene	10	N.D.	Naphthalene	10	N.D.
Benzo(g,h,i)perylene	10	N.D.	2-Nitroaniline	20	N.D.
Benzo(a)pyrene	10	N.D.	4-Nitroaniline	100	N.D.
Bis(2-chloroethyl)ether	10	N.D.	Nitrobenzene	40	N.D.
Bis(2-chloroisopropyl)ether	10	N.D.	2-Nitrophenol	10	N.D.
Bis(2-ethylhexyl)phthalate	100	N.D.	N-Nitrosodiphenylamine	10	N.D.
4-Bromophenyl phenyl ether	10	N.D.	N-Nitroso-di-N-propylamine	10	N.D.
Butyl benzyl phthalate	20	N.D.	Pentachlorophenol	40	N.D.
4-Chloroaniline	10	N.D.	Phenanthrene	10	N.D.
2-Chloronaphthalene	10	N.D.	Phenol	10	N.D.
4-Chloro-3-methylphenol	20	N.D.	Pyrene	10	N.D.
4-Chlorophenyl phenyl ether	10	N.D.	1,2,4-Trichlorobenzene	10	N.D.
Chrysene	10	N.D.	2,4,5-Trichlorophenol	20	N.D.
Dibenz(a,h)anthracene	20	N.D.	2,4,6-Trichlorophenol	20	N.D.
Dibenzofuran	10	N.D.			
Di-N-butyl phthalate	20	N.D.			
1,3-Dichlorobenzene	10	N.D.			
1,4-Dichlorobenzene	10	N.D.			
1,2-Dichlorobenzene	10	N.D.			
3,3-Dichlorobenzidine	40	N.D.			
2,4-Dichlorophenol	10	N.D.			
Dimethyl phthalate	10	N.D.			
4,6-Dinitro-2-methylphenol	40	N.D.			
2,4-Dinitrophenol	100	N.D.			
2,4-Dinitrotoluene	10	N.D.			
2,6-Dinitrotoluene	10	N.D.			
Di-N-octyl phthalate	40	N.D.			
Fluoranthene	10	N.D.			
Fluorene	10	N.D.			

Analytes reported as N.D. were not present at or above the reporting limit.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (21-100)	72%
Phenol-d6 (10-94)	62%
2,4,6-Tribromophenol (10-123)	85%
Nitrobenzene-d5 (35-114)	72%
2-Fluorobiphenyl (43-116)	78%
Terphenyl-d14 (33-141)	83%

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Antimony	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Arsenic	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Barium	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Beryllium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Cadmium	EPA 6010	0.50	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Calcium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Chromium, total	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Cobalt	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Iron	EPA 6010	5.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Lead	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Magnesium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Sep 29, 1998

METALS

Analyte	Method	Reporting Limit mg/Kg (ppm)	Dilution Factor	Sample Result mg/Kg (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Mercury	EPA 7470	0.020	1.0	N.D.	8/22/98 HH22HG1S	8/22/98
Nickel	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Selenium	EPA 6010	2.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Sodium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Thallium	EPA 6010	10	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Vanadium	EPA 6010	1.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98
Zinc	EPA 6010	5.0	1.0	N.D.	8/28/98 HH28ME1S	8/31/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Aluminum	EPA 6010	0.050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Antimony	EPA 6010	0.010	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Arsenic	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Barium	EPA 6010	0.010	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Beryllium	EPA 6010	0.0020	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Cadmium	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Calcium	EPA 6010	0.10	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Chromium, total	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Cobalt	EPA 6010	0.010	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Iron	EPA 6010	0.020	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Lead	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Magnesium	EPA 6010	0.020	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Richard Scott

Method Blank

Extracted: Aug 25, 1998
Analyzed: Aug 25, 1998
Reported: Sep 29, 1998

TOTAL RECOVERABLE METALS

Analyte	Method	Reporting Limit mg/L (ppm)	Dilution Factor	Sample Result mg/L (ppm)	Date Extracted QC Batch	Date Analyzed
Manganese	EPA 6010	0.020	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Mercury	EPA 7470	0.00020	1.0	N.D.	8/25/98 HH25HG1W	8/25/98
Nickel	EPA 6010	0.010	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Selenium	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Sodium	EPA 6010	0.50	1.0	N.D.	HI10ME1W	9/13/98
Thallium	EPA 6010	0.0050	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Vanadium	EPA 6010	0.010	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98
Zinc	EPA 6010	0.020	1.0	N.D.	HH28ME1S HI17ME2S	8/31/98 9/21/98

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Pat Abe
Project Manager

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CHAIN OF CUSTODY RECORD

Ship To: Del Mar Anal
Attn:

Page 1 of 5
Project Name: UDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA
Date: 8/20/98

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8081/8082	8260	8270	Metals	8015-Sim Dist	413.2	418.1	TSS/TDS/Alk/pH	Sulfur (total)	Microbiological	Remarks
EX-6	(Free)		8/20/98				Oil Phase			40 ml	2	VOA	HCl		X									
Ex-6	(Free)		"				Oil Phase			1 L	1	Ambr	—	X		X		X				X		
Ex-6			8/20		X					1 L	1	Ambr	—	X										
↓			↓		↓					↓	1	↓	↓			X								
										↓	1	↓	↓									X		
										1 L	1	Ambr	HCl						X					
										"	1	"	"							X				
										40 ml	2	VOA	HCl		X									
										40 ml	2	VOA	—		X									
										500 ml	1	Poly	HNO_3				X							
										1 L	1	Poly	—								X			
↓			↓		↓						2	Bach	—										X	
SDP-3	(Free)		8/20				Oil Phase			40 ml	2	VOA	HCl		X									
"	"		"				"			1 L	1	Ambr	—	X		X		X				X		

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	[signature]	TRC	8/20/98	17:12
Received by:	[signature]	DELMAR	8/20/98	17:12
Relinquished by:	[signature]	DELMAR	8/20/98	18:20
Received by:	[signature]	DELMAR	8-20-98	18:20
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements: intact/cool

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Daytona Beach, Florida 32119

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1201 N. McDowell Boulevard
Petaluma, California 94954

☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility.

CHAIN OF CUSTODY RECORD

Ship To: Del Mar
Attn:

Page 2 of 5
Project Name: WDI
Project No.: 94-256
Site Location:
Date: / /

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8081/8082	8260	8270	Metals	8015-Sim Dist	413.2	418.1	TSS/TDS/Alk/pH	Sulfur (total)	Microbiologi	Remarks
SDP-3			8/20		X					1L	1	Ambr	—	X										Maybe split between Not Enough
"			"		"					1L	1	Ambr	—			X								8081/8082, 8270, Sulfur (Total)
																		X						
SDP-3			8/20		X					1L	1	Ambr	HCl						X	X				split 413.2, 418.1 Not Enough
↓			↓		↓					40ml	2	VOA	—		X									
↓			↓		↓					40ml	2	VOA	HCl		X									
SDP-2			8/20		X					1L	1	Ambr	—	X										
										↓	↓	↓	↓			X								
																					X			
										1L	1	Ambr	HCl						X					
										↓	↓	↓	↓							X				
										40ml	2	VOA	—		X									
										40ml	2	VOA	HCl		X									
										500ml	1	Poly	HNO_3				X							

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	[signature]	TRC	8/20/98	17:12
Received by:	[signature]	DELMAR	8/20/98	17:12
Relinquished by:	[signature]	DELMAR	8/20/98	18:20
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements: Intact/Cool

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CHAIN OF CUSTODY RECORD

Ship To: Del Mar
Attn:

Page 3 of 5
Project Name: WDI
Project No.: 94-256
Site Location: Santa Fe Springs, CA.
Date: 8 / 20 / 98

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8081/8082	8260	8270	Metals	8015-Sim. Dist.	413.2	418.1	TSS/TDS/Alk/pH	Sulfur (Total)	Microbiological	Remarks
SDP-2			8/20		X					1L	1	[illegible]	—								X			
↓			↓		↓						1	Bacti	—										X	
SSP-3			8/20		X					1L	1	Ambr	—	X										
										↓	↓	↓	↓			X								
																						X		
										1L	1	Ambr	HCl						X					
										↓	↓	↓	↓							X				
										40ml	2	VOA	—		X									
										40ml	2	VOA	HCl		X									
										500ml	1	Poly	HNO_3				X							
										1L	1	Poly	—								X			
↓			↓		↓					—	1	Bacti	—										X	

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	[illegible]	TRC	8/20/98	17:12
Received by:	[illegible]	DECMAR	8/20/98	17:12
Relinquished by:	[illegible]	DECMAR	8/20/98	18:20
Received by:	[illegible]	DECMAR	8-20-98	18:20
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements: intact / COOL

The material(s) listed are received for analysis and/or treatability [illegible] property of the client and not Environmental Solutions, Inc. At the [illegible] all remaining material(s) will be returned to the client for eventual [illegible] licensed facility.

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1201 N. McDowell Boulevard
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2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

Ship To: Del Mar

Attn:

Page 4 of 5

Project Name: WDI

Project No.: 94-256

Site Location: Santa Fe Springs, CA.

Date: 8 / 20 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8081/8082	8260	8270	Metals	8015-Sim Dist.	413.2	418.1	TSS/TDS/Alk/pH	Sulfur (Total)	Microbiological	Remarks
SSP-1			8/20		X					1L	1	Amber	—	X										
										↓	↓	↓	↓			X								
																					X			
										1L	1	Amber	HCl						X					
										1L	↓	↓	↓							X				
										40 ml	2	VOA	—		X									
										40 ml	2	VOA	HCl		X									
										500 mL	1	Poly	HNO_3				X							
										1L	1	Poly	—								X			
										—	1	Brown	—										X	
SDP-1	(Free)		8/20				Oil Phase			1L	1	Amber	—	X		X		X				X		
"	"		"				"			40 ml	2	VOA	HCl		X									

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:		TRC	8/20/98	17:12
Received by:		DELMAR	8/20/98	17:12
Relinquished by:		DELMAR	8/20/98	18:20
Received by:		DELMAR	8-20-98	18:20
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements: Intact / cool

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Ship To: Del Mar

Attn:

Page 5 of 5

Project Name: WDI

Project No.: 94-256

Site Location: Santa Fe Springs, CA.

Date: 8 / 20 / 98

CHAIN OF CUSTODY RECORD

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	8081/8082	8260	8270	Metals	8015-Sim. Dist.	413.2	418.1	TSS/TDS/Alk/pH	Sulfhydr (Total)	Microbiological	Remarks
SSP-2			8/20		X					1L	1	Amb	—	X										
										↓	↓	↓	↓			X								
																						X		
										1L	1	Amb	HCl						X					
										↓	↓	↓	↓							X				
										40ml	2	VOA	—		X									
										40ml	2	VOA	HCl		X									
										500 ml	1	Poly	HNO_3				X							
										1L	1	Poly	—								X			
										—	1	Bag	—										X	
Trip Blank			8/20				Blnk			40ml	3	VOA	—	X	X	X	X	X	X	X	X	X	X	

Total Number of Samples Shipped: Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:		TRC	8/20/98	17:12
Received by:		DELMAR	8/20/98	17:12
Relinquished by:		DELMAR	8/20/98	18:20
Received by:		DELMAR	8-20-98	18:20
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements: intact/cool

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Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI

MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/24/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016,WDI-BT-P7081,WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260A, PAGE 1 OF 2
UNIT: uG/L (PPB)

PARAMETER	SAMPLE RESULT	REPORTING LIMIT X10
ACETONE	890	5.0
BENZENE	ND	5.0
BROMODICHLOROMETHANE	ND	5.0
BROMOFORM	ND	5.0
BROMOMETHANE	ND	5.0
2-BUTANONE	2830	5.0
SEC-BUTYLBENZENE	ND	5.0
TERT-BUTYLBENZENE	ND	5.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	5.0
CHLOROBENZENE	ND	5.0
CHLOROETHANE	ND	5.0
CHLOROFORM	ND	5.0
CHLOROMETHANE	ND	5.0
2-CHLOROTOLUENE	ND	5.0
4-CHLOROTOLUENE	ND	5.0
DIBROMOCHLOROMETHANE	ND	5.0
1,2-DICHLOROBENZENE	ND	5.0
1,3-DICHLOROBENZENE	ND	5.0
1,4-DICHLOROBENZENE	ND	5.0
DICHLORODIFLUOROMETHANE	ND	5.0
1,1-DICHLOROETHANE	ND	5.0
1,2-DICHLOROETHANE	ND	5.0
1,1-DICHLOROETHENE	ND	5.0
CIS-1,2-DICHLOROETHENE	ND	5.0
TRANS-1,2-DICHLOROETHENE	ND	5.0
1,2-DICHLOROPROPANE	ND	5.0

---- CONTINUED ----

REVIEWED AND APPROVED BY: [signature]

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI

MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/24-27/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016, WDI-BT-P7081, WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260A, PAGE 2 OF 2
UNIT: uG/L (PPB)

PARAMETER	SAMPLE RESULT	REPORTING LIMIT X10
1,3-DICHLOROPROPANE	ND	5.0
CIS-1,3-DICHLOROPROPENE	ND	5.0
TRANS-1,3-DICHLOROPROPENE	ND	5.0
TRANS-1,4-DICHLORO-2-BUTENE	ND	5.0
ETHYLBENZENE	ND	5.0
2-HEXANONE	ND	5.0
ISOPROPYLBENZENE	ND	5.0
4-ISOPROPYLTOLUENE	ND	5.0
4-METHYL-2-PENTANONE	2160	5.0
METHYLENE CHLORIDE	ND	5.0
NAPHTHALENE	ND	5.0
N-PROPYLBENZENE	ND	5.0
STYRENE	ND	5.0
1,1,2,2-TETRACHLOROETHANE	ND	5.0
TETRACHLOROETHENE	ND	5.0
TOLUENE	ND	5.0
1,1,1-TRICHLOROETHANE	ND	5.0
1,1,2-TRICHLOROETHANE	ND	5.0
TRICHLOROETHENE	ND	5.0
TRICHLOROFLUOROMETHANE	ND	5.0
1,2,3-TRICHLOROPROPANE	ND	5.0
1,2,4-TRIMETHYLBENZENE	ND	5.0
1,3,5-TRIMETHYLBENZENE	ND	5.0
VINYL CHLORIDE	ND	5.0
M,P-XYLENES	ND	5.0
O-XYLENE	ND	5.0

ND = NON-DETECTED OR BELOW THE DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [signature]
CAL-DHS CERTIFICATE # 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE, MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI
MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/24-27/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016, WDI-BT-P7081, WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

SEMI-VOLATILE ORGANICS, EPA 8270B, PAGE 1 OF 2; UNIT: uG/L (PPB)

PARAMETER	SAMPLE RESULT	REPORTING LIMIT X1
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo(a)anthracene	ND	10
Benzo(b)fluoranthene	ND	10
Benzo(g,h,i)perylene	ND	10
Benzo(a)pyrene	ND	10
Benzo(k)fluoranthene	ND	10
Benzoic Acid	458	10 (X10)
Benzyl Alcohol	ND	10
Bis(2-Chloroethoxy)methane	ND	10
Bis(2-Chloroethyl)ether	ND	10
Bis(2-Chloroisopropyl)ether	ND	10
Bis(2-Ethylhexyl)Phthalate	35	10
4-Bromophenyl Phenyl Ether	ND	10
Butylbenzylphthalate	ND	10
4-Chloro-3-Methylphenol	ND	10
4-Chloroaniline	ND	10
2-Chloronaphthalene	ND	10
2-Chlorophenol	ND	10
4-Chlorophenyl Phenyl Ether	ND	10
Chrysene	ND	10
Di-n-butylphthalate	ND	10
Di-n-octylphthalate	ND	10
Dibenzo(a,h)anthracene	ND	10
Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3-Dichlorobenzidine	ND	20
2,4-Dichlorophenol	ND	10
Diethyl Phthalate	ND	10
2,4-Dimethylphenol	693	10 (X10)
Dimethyl Phthalate	ND	10

----- TO BE CONTINUED ON PAGE #2 ----

DATA REVIEWED AND APPROVED BY: [signature]

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI

MATRIX: LIQUID — DATE SAMPLES REC'D: 09/23/98
SAMPLING DATE: 09/23/98 — DATE ANALYZED: 09/24-27/98
REPORT TO: MR. MARKO FREEMAN — DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016,WDI-BT-P7081,WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

SEMI-VOLATILE ORGANICS, EPA 8270B, PAGE 2 OF 2; UNIT: uG/L (PPB)

PARAMETER	SAMPLE RESULT	REPORTING LIMIT X1
4,6-Dinitro-2-methylphenol	ND	10
2,4-Dinitrophenol	ND	10
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
2-Methyl Phenol	ND	10
3-Methyl Phenol	ND	20
4-Methyl Phenol	966	20 (X10)
2-Methylnaphthalene	ND	10
N-Nitroso-di-n-dipropylamine	ND	10
N-Nitrosodiphenylamine	ND	10
Naphthalene	ND	10
2-Nitroaniline	ND	10
3-Nitroaniline	ND	10
4-Nitroaniline	ND	10
Nitrobenzene	ND	10
2-Nitrophenol	ND	10
4-Nitrophenol	ND	10
Pentachlorophenol	12	10
Phenanthrene	ND	10
Phenol	1260	5 (X10)
Pyrene	ND	10
1,2,4-Trichlorobenzene	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10

ND = NON-DETECTED OR BELOW THE REPORTING LIMIT

Data Reviewed and Approved by: [signature] CAL-DHS ELAP#1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: **WDI**

MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/25/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: **WDI-BT-P7016,WDI-BT-P7081,WDI-BT-P4206 (Composite)**
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS

UNIT: MG/L (PPM), TOTAL CONCENTRATION

ELEMENT ANALYZED	SAMPLE RESULT	REPORTING LIMIT	TTLC LIMIT	STLC LIMIT	METHOD USED
Antimony(Sb)	ND	0.02	500	15	6010A
Arsenic(As)	0.985	0.01	500	5.0	6010A
Barium(Ba)	0.294	0.1	10,000	100	6010A
Beryllium(Be)	ND	0.005	75	0.75	6010A
Cadmium(Cd)	ND	0.005	100	1.0	6010A
Chromium(Cr)	0.030	0.01	2,500	560/5	6010A
Chromium VI (Cr6)	--	0.02	500	5.0	7196A
Cobalt(Co)	ND	0.05	8,000	80	6010A
Copper(Cu)	0.240	0.02	2,500	25	6010A
Lead(Pb)	0.072	0.01	1,000	5.0	6010A
Mercury(Hg)	ND	0.0005	20	0.2	7470A
Molybdenum(Mo)	0.756	0.1	3,500	350	6010A
Nickel(Ni)	0.512	0.05	2,000	20	6010A
Selenium(Se)	ND	0.02	100	1.0	6010A
Silver(Ag)	ND	0.02	500	5.0	6010A
Thallium(Tl)	ND	0.02	700	7.0	6010A
Vanadium(V)	0.256	0.1	2,400	24	6010A
Zinc(Zn)	0.304	0.01	5,000	250	6010A

COMMENTS
ND = The concentration is below the reporting limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
-- = Not Analyzed

Data Reviewed and Approved by: Peter Deals
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI

MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/23-24/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016, WDI-BT-P7081, WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

EPA 8080A FOR ORGANOCHLORINE PESTICIDES AND PCBS ANALYSES

UNIT: uG/L (PPB)

PARAMETER	SAMPLE RESULT	REPORTING LIMIT (X1)
alpha-BHC	ND	5.0
gamma-BHC	ND	5.0
beta-BHC	ND	5.0
Heptachlor	ND	5.0
delta-BHC	ND	5.0
Aldrin	ND	5.0
Heptachlor Epoxide	ND	5.0
Endosulfan I	ND	5.0
4,4'-DDE	ND	5.0
Dieldrin	ND	5.0
Endrin	ND	5.0
4,4'-DDD	ND	5.0
Endosulfan II	ND	5.0
4,4'-DDT	ND	5.0
Endrin Aldehyde	ND	5.0
Endosulfan Sulfate	ND	5.0
Methoxychlor	ND	5.0
Chlordane	ND	5.0
Toxaphene	ND	20.0
PCB-1016	ND	20.0
PCB-1221	ND	10.0
PCB-1232	ND	10.0
PCB-1242	ND	10.0
PCB-1248	ND	10.0
PCB-1254	ND	10.0
PCB-1260	ND	10.0

COMMENTS: "ND" = The concentration is less than the detection limit or non-detected.

Data Reviewed and Approved By: [signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CONSOLIDATED WASTE INDUSTRIES, INC.
10680 SILICON AVE. MONTCLAIR, CA 91763
TEL(909)625-6645 FAX(909)482-2272

PROJECT: WDI

MATRIX: LIQUID
SAMPLING DATE: 09/23/98
REPORT TO: MR. MARKO FREEMAN

DATE SAMPLES REC'D: 09/23/98
DATE ANALYZED: 09/23/98
DATE REPORTED: 09/28/98

SAMPLE I.D.: WDI-BT-P7016,WDI-BT-P7081,WDI-BT-P4206 (Composite)
LAB I.D.: 980923-6, -7, -8 (Composite Sample)

PARAMETER	UNIT	SAMPLE RESULT	D.L.	METHOD
TRPH	MG/L (PPM)	10	1.0	EPA 418.1

COMMENTS
TRPH = TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
ND = NON-DETECTED OR BELOW THE DETECTION LIMIT
D.L. = DETECTION LIMIT

Data Reviewed and Approved by: [signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

ENVIRO-CHEM, INC. LABORATORIES
1214 E. Lexington Ave.
Pomona, CA 91766
(909) 590-5905 • Fax: (909) 590-5907

CHAIN of CUSTODY RECORD

DATE: 9-23-98
PAGE: 1 of 1

Lab Project # _____

CA-DHS ELAP CERTIFICATE # 1555

ENVIRO-CHEM, INC.
1214 E. Lexington Ave.
Pomona, CA 91766

REPORT TO: CONSOLIDATED WASTE INDUSTRIES INC
STREET: 10680 SILICON AVE
CITY: MONTCLAIR STATE: CA ZIP: 91763
TEL: 909 625 6645 FAX: 909 482-2272

PROJECT NAME: WDI
PROJECT CONTACT: MARKO
SAMPLER(S) SIGNATURE: [signature]

TURN AROUND TIME DESIRED
☐ Same Day ☐ 24 Hour ☐ 48 Hour
☐ 72 Hour ☒ 1 Week ☐ Standard (2 Weeks)
☐ Others: ~~[illegible]~~ (DUE MONDAY)
Confirmed By: 3 DAYS (NO RUSH CHARGE)

SHIPPING INFORMATION:

AFTER ANALYSES, SAMPLES ARE TO BE: ☐ DISPOSED OF ☐ STORED (30 days) ☐ RETURNED TO CLIENT ☐ OTHER:

RELINQUISHED BY: (Signature) [signature]	RECEIVED BY: (Signature) [signature]	DATE: 09/24/98	TIME: 10:30 AM
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE:	TIME:

SAMPLE I.D.	LAB I.D.	SAMPLING DATE/TIME	MATRIX	Nº of Containers	ANALYSIS REQUESTED	COMMENTS	Sample Stored Location
WDI-BT-P7016	980923-6	830	LIQUID	2	Composit	(1 SAMPLE Composite)	
WDI-BT-P7081	-7	845	↓	2	8260 8270		
WDI-BT-P4206	-8	900	↓	2	6010 8080		
					418.1		
	8260	150.00		2	(SAVE ENOUGH SAMPLE FOR DISCRETE ANALYSIS)		
	8270	250.00					
	6010	180.00					
	8080	125.00					
	418.1	40.00					
		745.00					

DISTRIBUTION: WHITE WITH REPORT • YELLOW TO COURIER

856.75
110.00
$966.75

APPENDIX C

HYDRAULIC CONDUCTIVITY CALCULATIONS

TRC

HYDRAULIC CONDUCTIVITY CALCULATION
WASTE DISPOSAL, INC. SUPERFUND SITE

$$T = \frac{264Q}{DS}$$ [1]

T = Coefficient of transmissivity, in gpd/ft
Q = Pumping rate, in gpm
ΔS = Slope of the time-drawdown graph expressed as the change in drawdown between any two times on the log scale whose ratio is 10 (one log cycle), in feet (see Figure 9).

$$T = \frac{264\ (0.25\text{gpm})}{4.7} = 14.04\ \text{gpd/ft}$$

$$T = 14.04\text{gpd/ft} \times \frac{1\text{ft}^3}{7.481\ \text{gallon}} = 1.88\ \text{ft}^2\text{/day}$$

$$\text{Hydraulic conductivity, } K = \frac{T}{b}$$

b = Thickness of perched zone = 4 feet

$$K = \frac{1.88\text{ft}^2\text{/day}}{4.25\ \text{ft}} = 0.44\ \text{ft/day}$$

$$K = \frac{0.44\ \text{ft}}{\text{day}} \times \frac{30.48\ \text{cm}}{\text{ft}} \times \frac{1\ \text{day}}{24\ \text{hour}} \times \frac{1\ \text{hour}}{60\ \text{min}} \times \frac{1\ \text{min}}{60\ \text{sec}} = 1.6 \times 10^{-4}\ \text{cm/sec}$$

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[1] Driscoll, F., *Ground Water and Wells, 2nd Ed.*, Johnson Division, 1986, Page 221.

TRC

APPENDIX D

TM NO. 12 FIELD DATA

TRC

TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	NOTE
A-4(S)	10/1/98	08:55	ND	4.98	09:26	09:27	225	09:55	ND	3.90	
	10/1/98							10:54	ND	3.58	
	10/2/98							07:05	ND	3.55	
A-4 (D)	10/1/98	08:55	5.18	15.10	09:42	09:52	3950	09:54	ND	13.85	
	10/1/98							10:55	ND	7.82	
	10/2/98							07:06	ND	2.40	
A-5	10/1/98	10:33	ND	5.30	10:34	10:39	1050	NM	ND	NM	
	10/1/98				10:42	10:49	1400	10:51	ND	15.76	
	10/1/98							12:07	ND	8.86	
	10/2/98							07:10	ND	5.33	
A-6	10/1/98	11:04	5.23	5.90	11:04	11:14	4000	11:15	5.54	6.57	
	10/1/98							12:08	NM	5.32	
	10/2/98							07:11	5.14	NM	
B-4	10/1/98	09:58	ND	4.42	09:59	10:04	1800	10:05	ND	10.95	
	10/1/98							10:58	ND	9.48	
	10/2/98							07:08	4.94	ND	
B-5	10/1/98	10:08	4.10	4.85	10:14	10:24	2500	10:26	4.7	NM	
	10/2/98							07:09	ND	4.12	
B-6	10/1/98	11:17	4.38	4.64	11:17	11:28	4000	11:29	13.56	14.45	
	10/1/98							13:12	5.40	6.18	
	10/2/98							07:12	3.96	NM	
B-7	10/1/98	11:30	3.87	4.18	11:38	11:48	1250	11:49	7.80	8.02	Thick product.
	10/1/98							13:13	NM	6.49	
	10/2/98							07:13	4.45	NM	
B-8	10/1/98	11:50	ND	3.40	11:51	12:03	2800	12:04	ND	14.01	
	10/1/98							13:14	ND	13.15	
	10/2/98							07:14	ND	9.16	
C-3	10/2/98	15:15	4.09	4.12	15:16	15:21	4000	15:22	ND	11.00	
	10/2/98							16:10	ND	5.05	
	10/5/98							09:36	ND	4.30	
C-4	10/2/98	14:39	ND	4.60	14:41	14:45	4000	14:46	ND	4.77	
	10/2/98							16:11	ND	4.60	
	10/5/98							09:32	ND	4.60	
C-5	10/5/98	09:55	ND	3.90	09:55	10:22	2500	10:03	ND	6.62	Thick Product
	10/5/98							12:00	ND	4.57	
	10/6/98							08:25	ND	4.24	

TRC

TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	NOTE
C-8	10/1/98	15:57	ND	3.42	15:57	16:07	4000	16:08	ND	4.80	
	10/2/98							07:15	ND	3.75	
C-9 (S)	10/1/98	13:25	ND	DRY	NM	NM	NM	NM	NM	NM	No liquids
C-9 (D)	10/1/98	13:26	3.39	NM	NM	NM	NM	NM	NM	NM	Thick product. Couldn't pump.
D-3 (S)	10/2/98	14:18	ND	3.55	14:21	NM	500	NM	ND	5.47	
	10/2/98							16:02	ND	4.94	
	10/5/98							09:29	ND	3.60	
D-3 (D)	10/2/98	14:07	3.45	3.51	14:09	14:16	5000	14:17	ND	3.57	
	10/2/98							16:00	ND	3.53	
	10/5/98							09:28	3.58	3.60	
D-4	10/2/98	13:52	4.15	4.25	13:54	14:02	3500	14:03	ND	14.70	
	10/2/98							15:58	ND	8.79	
	10/5/98							09:26	4.13	4.15	
D-5	10/2/98	13:15	5.02	5.07	13:20	13:25	5000	13:26	ND	6.02	
	10/2/98							15:52	ND	5.10	
	10/5/98							09:19	ND	5.12	
D-6 (S)	10/2/98	13:45	ND	5.00	13:47	13:49	500	13:50	ND	5.35	Couldn't sound product at this time.
	10/2/98							15:56	ND	5.09	
	10/5/98							09:24	ND	4.90	
D-6 (D)	10/2/98	13:37	4.67	5.58	13:39	13:43	2500	13:44	NM	12.02	
	10/2/98							15:55	NM	5.98	
	10/5/98							09:23	ND	4.98	
D-7	10/1/98	15:25	3.15	4.40	15:25	15:37	4000	15:38	NM	13.65	
	10/2/98							07:23	3.08	NM	
D-8	10/1/98	15:41	ND	4.12	15:42	15:52	3500	15:53	ND	17.95	
	10/2/98							07:24	ND	5.81	
D-9	10/1/98	15:43	3.95	5.85	13:46	13:52	4000	NM	NM	NM	Couldn't sound product at this time.
	10/2/98							07:19	4.00	NM	
E-1	10/5/98	15:23	4.00	4.50	15:25	15:30	2500	15:31	ND	17.00	
	10/5/98							16:35	ND	13.75	
	10/6/98							09:10	ND	7.20	
E-2	10/5/98	15:34	2.97	3.00	15:36	15:39	4000	15:40	6.50	6.55	
	10/5/98							16:37	NM	6.00	
	10/6/98							09:14	4.80	4.89	

TRC

TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	NOTE
E-3	10/2/98	14:23	ND	3.40	14:25	14:30	3500	14:31	ND	17.14	
	10/2/98							16:04	ND	13.20	
	10/5/98							09:30	ND	3.80	
E-4	10/5/98	13:04	2.91	3.08	13:06	13:13	3000	13:14	ND	13.79	
	10/5/98							15:50	ND	5.10	
	10/6/98							09:18	ND	3.08	
E-5	10/2/98	12:55	2.40	5.15	12:57	13:01	5000	13:02	NM	6.10	
	10/2/98							15:47	4.29	5.40	
	10/5/98							09:16	2.96	5.18	
E-6	10/2/98	12:39	3.05	4.19	12:41	12:50	4000	12:51	18.10	18.17	
	10/2/98							15:45	NM	6.26	
	10/5/98							09:15	3.33	3.48	
E-7	10/1/98	14:35	2.59	6.20	14:42	14:52	1500	NM	NM	NM	Couldn't sound at this time
	10/2/98							07:22	3.08	NM	
E-8	10/1/98	14:15	3.15	5.50	14:15	14:30	2500	14:31	11.03	NM	Thick product. Couldn't sound water.
	10/2/98							07:21	4.21	NM	Thick product. Couldn't sound water.
E-9	10/1/98	14:01	3.86	8.15	NM	NM	NM	NM	NM	NM	Very thick product. Couldn't pump.
	10/2/98							07:20	3.90	NM	
F-1	10/5/98	15:09	3.05	4.55	15:10	15:15	4000	15:16	NM	6.50	Couldn't sound product at this time.
	10/5/98							16:32	3.90	5.50	
	10/6/98							09:08	3.50	5.10	
F-2	10/5/98	15:43	3.35	10.92	15:44	15:50	2000	15:51	NM	16.77	Couldn't sound product at this time.
	10/5/98							16:38	7.00	12.90	
	10/6/98							09:17	3.75	7.66	
F-3	10/5/98	10:10	4.00	4.22	10:10	10:20	500	10:21	NM	6.74	
	10/5/98							12:03	NM	5.60	
	10/6/98							08:27	4.00	4.88	
F-4	10/5/98	10:22	3.36	4.20	10:24	10:28	4000	10:29	6.61	7.31	
	10/5/98							12:04	3.90	5.63	
	10/6/98							08:28	3.58	4.45	
F-6	10/2/98	09:23	3.14	5.30	09:27	09:31	2250	09:32	14.06	14.95	
	10/2/98							11:19	NM	8.95	
	10/5/98							08:47	5.00	5.13	
F-7 (S)	10/2/98	09:04	ND	5.00	09:05	09:06	1000	09:07	ND	DRY	
	10/2/98							11:17	ND	5.70	
	10/5/98							08:44	ND	5.65	

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TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	NOTE
F-7 (D)	10/2/98	08:54	1.80	10.12	08:56	09:02	5000	09:03	3.80	NM	
	10/2/98							11:15	5.30	9.70	
	10/5/98							08:45	3.82	10.08	
F-8	10/2/98	08:42	3.67	4.01	08:43	08:47	2500	08:48	NM	8.46	
	10/2/98							11:13	7.70	7.76	
	10/5/98							08:42	4.10	4.30	
F-9	10/2/98	08:06	2.79	6.80	08:09	08:13	1000	08:14	6.95	NM	
	10/2/98							11:07	4.28	6.04	
	10/5/98							08:36	2.85	4.89	
G-1	10/5/98	14:47	3.00	9.45	14:50	15:04	1500	15:05	NM	12.85	Couldn't sound product at this time.
	10/5/98							16:30	4.15	12.35	
	10/6/98							09:04	3.10	7.45	
G-2	10/5/98	14:09	3.65	7.77	14:10	14:25	4000	14:26	6.75	16.00	
	10/5/98							16:29	4.29	6.56	
	10/6/98							09:02	3.92	7.34	
G-3	10/5/98	13:53	4.10	7.95	13:55	14:04	4000	14:05	5.60	15.00	
	10/5/98							16:27	4.36	5.85	
	10/6/98							08:59	4.05	7.55	
G-4	10/5/98	10:35	3.65	9.70	10:37	10:40	4000	10:43	4.00	8.38	
	10/5/98							12:06	4.10	7.88	
	10/6/98							08:31	3.78	8.50	
G-5	10/5/98	11:12	4.60	7.00	11:14	11:22	4000	11:24	7.12	17.30	
	10/5/98							12:10	7.70	7.85	
	10/6/98							08:41	5.00	5.85	
G-6	10/2/98	09:35	3.10	13.56	09:38	09:52	4000	09:53	5.98	10.75	
	10/2/98							11:22	3.30	14.88	
	10/5/98							08:52	2.84	13.86	
G-7	10/2/98	09:09	1.40	7.30	09:11	09:16	4500	09:17	9.25	11.00	
	10/2/98							11:20	4.65	4.74	
	10/5/98							08:49	4.10	5.16	
G-8	10/2/98	08:28	2.34	3.84	08:30	08:35	0.00	08:36	3.75	NM	
	10/2/98							11:11	3.70	3.78	
	10/5/98							08:40	3.70	3.75	
G-9 (S)	10/2/98	08:16	ND	3.96	08:23	08:27	4000	08:28	ND	2.35	
	10/2/98							11:09	ND	3.18	
	10/5/98							08:38	ND	3.17	

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TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	NOTE
G-9 (D)	10/2/98	08:17	ND	2.95	08:18	08:22	4000	08:23	ND	3.20	
	10/2/98							11:10	ND	2.90	
	10/5/98							08:39	ND	2.93	
H-2	10/5/98	14:30	5.15	8.10	14:32	14:41	4000	14:43	NM	11.10	Couldn't sound product at this time.
	10/5/98							16:25	5.45	6.65	
	10/6/98							08:56	5.26	6.78	
H-3 (S)	10/5/98	13:45	ND	5.15	13:46	13:49	4000	13:50	ND	5.15	
	10/5/98							16:23	ND	5.25	
	10/6/98							08:53	ND	5.26	
H-3 (D)	10/5/98	13:35	5.06	5.07	13:36	13:40	4000	13:41	5.06	5.07	
	10/5/98							16:22	5.10	5.15	
	10/6/98							08:52	5.10	5.20	
H-4	10/5/98	10:48	3.40	9.87	10:50	11:06	4000	11:07	13.00	17.36	
	10/5/98							12:08	6.13	9.20	
	10/6/98							08:36	4.00	9.20	
H-5	10/5/98	11:28	4.60	5.65	11:30	11:38	3000	11:40	6.90	10.12	
	10/5/98							12:12	4.65	4.70	
	10/6/98							08:44	4.47	5.58	
H-6	10/2/98	10:01	4.19	5.00	10:02	10:15	2000	10:16	NM	12.30	
	10/2/98							11:25	6.30	6.40	
	10/5/98							09:00	4.32	4.40	
H-7	10/2/98	10:21	4.92	5.55	10:26	10:34	1500	10:35	NM	10.50	
	10/2/98							11:26	4.98	8.50	
	10/5/98							09:02	5.00	5.15	
H-8	10/2/98	10:39	ND	4.65	10:40	10:45	3500	10:46	ND	14.10	
	10/2/98							11:29	ND	4.68	
	10/5/98							09:04	ND	4.65	
I-4	10/5/98	13:25	5.05	6.52	13:26	13:29	4000	13:30	NM	6.70	Couldn't sound product at this time.
	10/5/98							16:20	5.15	6.35	
	10/6/98							08:49	5.17	6.60	
I-5	10/5/98	14:45	3.05	4.80	11:46	11:52	4000	11:54	NM	7.45	Couldn't sound product at this time.
	10/5/98							12:14	3.60	7.00	
	10/6/98							08:47	3.00	6.00	
I-6	10/2/98	10:55	3.65	4.25	10:58	11:01	5000	11:02	NM	3.70	Couldn't sound product at this time.
	10/2/98							11:32	3.69	3.76	
	10/5/98							09:07	3.74	3.95	

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TM NO. 12 FIELD NOTES
WASTE DISPOSAL, INC. SUPERFUND SITE

		LIQUID LEVEL BEFORE PURGE			PURGE			LIQUID LEVEL AFTER PURGE			NOTE
WELL ID	DATE	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	START (hh:mm)	END (hh:mm)	VOLUME (ml)	TIME (hh:mm)	PRODUCT (ft.)	WATER (ft.)	
I-7	10/2/98	10:47	ND	4.12	10:49	10:53	5000	10:54	ND	4.20	
	10/2/98							11:31	ND	4.10	
	10/5/98							09:06	ND	4.15	

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