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SUPPLEMENTAL GROUND WATER SAMPLING INVESTIGATION TANKS 53 AND 56 - TANK FARM FIVE NAVAL EDUCATION AND TRAINING CENTER NEWPORT, RHODE ISLAND

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1.0 INTRODUCTION

As part of an on-going tank closure investigation at Tank Farm Five at the Naval Education Training Center (NETC) in Newport, Rhode Island (see Figure 1-1), TRC Environmental Corporation (TRC) has been retained by the U.S. Department of the Navy, Northern Division, to sample the ground water in the area around Tanks 53 and 56 on Tank Farm Five. The ground water sampling was conducted from wells installed under previous tank closure investigations and the prior June 1991 TRC tank closure investigation activities. This round of ground water sampling was conducted to determine if additional contaminant migration has occurred since the last round of related ground water sampling conducted in October, 1990.

The ground water sample results obtained under this investigation were compared to the information obtained during the October, 1990 investigation. This report includes a brief summary of the previous tank closure investigations and site conditions (Section 2.0), a description of the ground water sampling procedures and field observations (Section 3.0), and a discussion of the ground water sample results (Section 4.0).

2.0 SITE HISTORY AND PREVIOUS INVESTIGATIONS

The Tank Farm Five facility consists of eleven underground storage tanks used to store fuel oil from World War II until 1974 (see Figure 2-1). Two of the tanks, Tanks 53 and 56, located in the western portion of the tank farm, were the subject of a tank closure plan prepared in 1988 by Environmental Resource Associates, Inc. (ERA, 1988). The tank closure investigation was completed by TRC in June 1991 (TRC, 1991). The additional ground water sampling described in this report is a supplement to the previous tank closure activities.

Ground water samples were collected in 1985 by ERA from four monitoring wells installed in the ring drains surrounding Tanks 53 and 56. The analytical results indicated that aromatic and chlorinated hydrocarbon compounds were present in the ground water around Tank 53. In addition, split-spoon soil samples from the Tank 53 ring drain showed fuel oil staining and odor. The soil and ground water around Tank 56 appeared to be free of these organic compounds.

Six additional monitoring wells were installed in 1986 by ERA. Ground water sampling confirmed the presence of petroleum hydrocarbon and other organic compounds in the Tank 53 ring drain. In addition, a layer of oil was observed in the two Tank 53 ring drain wells. Organic compounds were also detected in the ground water sample from well MW86-2, 150 feet to the north of Tank 53. Additional ground water samples which confirmed the absence of organic compounds were collected from the Tank 56 ring drain wells.

Under the TRC tank closure investigation conducted in 1990, five new monitoring wells were installed in the vicinity of the two tanks, including two monitoring wells to replace previously existing damaged wells, two new monitoring wells downgradient of Tank 56, and one 8-inch diameter well to be used to recover free product previously observed in the Tank 53 ring

drain. Ground water samples, as well as surface and subsurface soil samples, were collected at each location. Table 2-1 presents a monitoring well construction summary for all of the Tank Farm Five site wells. Figure 2-2 shows the locations of the wells located near the two tanks.

2.1 Summary of Previous Geologic and Hydrogeologic Findings

Data gathered during the installation of the monitoring wells from both the ERA and TRC investigations and borings completed during the construction of the tank farm, indicate that unconsolidated material at the site consists of brown-black fine sand and silt ranging from 11 to 40 feet in thickness. Underlying the sand and silt is bedrock which consists of brown to gray shale with some quartz lenses. A zone of weathered bedrock up to twenty-seven feet thick was also noted in many of the borings between the unconsolidated material and the competent bedrock. The elevation of the bedrock surface ranges from approximately 40 feet above mean low water (mlw) near Tank 49 in the northeast part of the tank farm, to over 70 feet above mlw near Tank 59 in the southern portion of the tank farm.

Ground water level elevation contour maps were developed for both rounds of water level elevations obtained during the tank closure investigation (see Figures 2-3 and 2-4). The ground water level elevation contour maps are similar and show a ground water gradient direction to the northwest in the vicinity of Tanks 53 and 56, which is consistent with the general slope of the land surface topography in that area.

3.0 FIELD INVESTIGATION PROCEDURES

The purposes of the additional field investigation were to collect water levels and ground water samples from the tank farm monitoring wells, to determine the current hydrologic conditions in the wells around Tanks 53 and 56, and to determine if any migration of the organic compounds has occurred.

3.1 Ground Water Sampling Procedures

Ground water samples were collected from the monitoring wells in the area of Tanks 53 and 56 at Tank Farm 5 on May 7, and May 8, 1992. Although the monitoring well network consists of nineteen wells, three of the wells, MW53-W, MW56-E, and MW56-W, were dry on these dates and thus, water samples were not collected from these wells. The monitoring well samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TCL pesticides and PCBs, Target Analyte List (TAL) metals (total and dissolved) by USEPA Contract Laboratory Program (CLP) methods. In addition, ground water samples from all but two of the wells were analyzed for biological oxygen demand (BOD), chemical oxygen demand (COD), and total suspended solids (TSS) for ground water treatability information. Due to insufficient volume of ground water in the well to complete the full suite of analyses, the ground water sample from monitoring well MW86-2 was only analyzed for VOCs, SVOCs, and TAL metals. In addition, the sample from well MW53-E was only analyzed for VOCs, SVOCs, pesticides and PCBs, and TAL metals due to insufficient volume of ground water in the well. A summary of the laboratory analyses performed on the ground water samples is presented on Table 3-1.

Prior to sampling, the water levels in the wells were measured to the nearest 0.01 foot using an electronic water level indicator. The volume of water in each well was calculated, and three times the standing volume of water was purged from each well using a teflon bailer or centrifugal pump with dedicated clean PVC hosing. When the wells did not recharge quickly enough to permit removal of three times the standing water volume, the wells were bailed until nearly dry and allowed to recover.

Ground water samples were collected in dedicated, decontaminated, teflon bailers connected to dedicated teflon leader and nylon rope. The bailers were decontaminated in the laboratory using protocols outlined in the quality assurance/quality control (QA/QC) plan originally outlined in the tank closure investigation. The bailers were wrapped in aluminum foil for transport to the site. During the collection of a ground water sample, the bailer was slowly lowered in a well to depth of approximately five feet below the water level in the well. The bailer was then retrieved from the well and the water sample slowly transferred to the appropriate sample containers. Samples to be analyzed for dissolved metals were filtered in the field at the time of sampling prior to being transferred to the appropriate container. All necessary preservations were added to the samples in the field.

The ground water from each monitoring well was tested on site for temperature, pH, conductivity, and salinity concurrent with the sampling activities. These measurements were obtained utilizing portable field instrumentation and all data was recorded in a field notebook. These field measured data are presented in Table 3-2 of this report.

3.2 Quality Assurance/Quality Control Procedures

Blank and duplicate samples were submitted with the environmental samples for laboratory analysis to confirm the quality of the data. Field blanks were incorporated during the ground water sampling program as a check on proper sampling equipment decontamination and sample handling. The field blanks consisted of laboratory-supplied, analyte-free water which was poured over the decontaminated sampling equipment and then collected for laboratory analysis. The field blanks were analyzed for the same analytes as the ground water samples.

Trip blanks were used as an additional quality control check on blank water quality and laboratory procedures, as well as a check on cross contamination (sample container and sample contaminant influence) during container and sample shipment. The trip blanks were prepared at the laboratory and accompanied the bottles from the laboratory to the field, and the samples from the field to the laboratory. The trip blanks were only analyzed for VOCs.

An additional set of ground water samples were collected from two of the monitoring wells (MW-1 and MW-9) and submitted as blind duplicates to the laboratory for all of the same analytical parameters. All blank and duplicate samples were subjected to the same chain-of-custody and handling procedures as the environmental samples.

Data validation was conducted by Heartland Environmental Services, Inc. on all of the ground water sample analysis conducted by the Roy F. Weston Laboratory in Lionville, PA. Twelve water samples with two matrix spike/matrix spike duplicates (MS/MSDs) and five trip and field blanks were included in analytical batch RFW Lot# 9205L252 collected on May 6, 1992, and twenty one water samples with two MS/MSDs and six trip and field blanks were included in analytical batch RFW Lot# 9205L235 collected on May 7, 1992.

The organic fractions were validated utilizing the "National Functional Guidelines For Organic Data Review", Multi-Media, Multi-Concentration (OLM01.0) and Low Concentration Water (OLC01.0), Draft December 1990, Revised June 1991. Inorganic fractions were validated utilizing "Laboratory Data Validation Functional Guidelines For Evaluating Inorganics Analysis", February 1, 1988.

The analytical data was screened to determine the usability of results and contractual compliance relative to these requirements and deliverables. As determined by the data validators, overall system performance was good with less than 5% of the data qualified and no significant problems encountered.

3.3 Field Observations and Findings

Ground water levels in the Tank Farm Five monitoring wells were measured on May 6, 1992, in conjunction with ground water sampling activities. The ground water level measurements and elevations are summarized in Table 3-3. A petroleum product sheen was observed in wells MW53-E and RW-1 located in the ring drain of Tank 53, but there was no measurable product thickness in either well.

Figure 3-1 shows the ground water level elevation contour map developed from water levels measured at site monitoring wells on May 6, 1992. As indicated by the map, the water level elevation contours over the tank farm area generally mimic the land surface contours with ground water gradient directions to the west and northwest directions. Generally, water level elevations obtained from the wells in the areas of Tanks 53 and 56 represent a smooth, nearly southeast to northwest sloping water table in the vicinity of the tanks. However, as discovered

in the tank closure investigation, water level elevations from those wells installed in the tank ring drains suggest minor gradient reversals in those areas. During the tank closure study, these gradient reversals were thought to be caused by the presence of more permeable sands placed around the tanks during the construction and subsequent backfilling of the tank ring drains. Therefore, water level measurements from these wells were not used to determine the ground water flow directions shown in any of the contour maps in this report.

4.0 ANALYTICAL RESULTS

A round of ground water samples was collected to aid in determining the current ground water quality in the vicinity of Tanks 53 and 56 at Tank Farm Five. A summary of the laboratory analyses performed on the ground water samples is presented as a Sample Index in Table 3-1. The positive sample results are presented in Table 4-1 and discussed below. The validated laboratory analytical results are presented in Appendix A. The positive samples results tables present the laboratory sample data after validation by a third party according to EPA Region I guidelines for data validation. Table 4-2 presents a comparison of selected ground water results from the October, 1990 and May, 1992 sampling rounds compared to established action levels. The selected values include unfiltered sample concentrations (in the case of inorganic compounds) which exceeded the established action levels in 1990 compared to unfiltered ground water sample results from the 1992 sampling also exceeding the action levels. Table 4-3 presents a summary of ground water sample results from the 1992 filtered samples which exceeded the established action levels. Established action levels for this report, as with the tank closure investigation, were the most stringent federal standard or criteria including federal maximum contaminant levels (MCLs), secondary drinking water standards, and National Interim Primary Drinking Water Regulations. The sample locations where VOCs exceed their established action levels are shown on Figure 4-1.

Since Tank 56 is hydraulically upgradient of Tank 53, the below discussion will proceed from upgradient of the Tank 56 area to downgradient of the Tank 53 area, concluding with a discussion of the other wells located in the tank farm. Upgradient monitoring wells MW86-1 and MW-6 were used as site background for Tanks 53 and 56 and for the tank farm as a whole.

This discussion of positive analytical results disregards those analytes detected at similar concentrations in both the ground water samples and trip or field blanks.

4.1 Volatile and Semi-volatile Organic Compound Results

The results of the 1990 sampling indicated that the soil and ground water in the Tank 53 area had been impacted by volatile and semi-volatile organic compounds. Although free product was observed in the well located within the ring drain of Tank 53, limited downgradient ground water impact was detected. Both soil and ground water in the vicinity of Tank 56 was observed to be free of VOC and SVOC impact.

In May, 1992, the ground water sample from background well MW-6 did not contain detectable amounts of VOCs or SVOCs. The ground water sample from the other background well, well MW86-1, also contained no measurable amount of SVOCs, but did contain a small amount (8 parts per billion (ppb)) of chloroform. Ground water from well MW-6 was not analyzed in October, 1990. With the exception of chloroform reported in the May 1992 sampling and the chloromethane (2 ppb) reported in the October 1990 sampling event, no detectable concentrations of VOCs were reported in the samples from well MW86-1.

Two of the three wells which were not sampled in May 1992 due to the lack of ground water in the wells, wells MW56-E and MW56-W, are located in the Tank 56 ring drain. However, in the October, 1990 sampling event these ground water sample results did not indicate the presence of VOCs or SVOCs.

The other wells located adjacent to and downgradient of Tank 56 are wells MW-9 and MW-10. Neither VOCs nor SVOCs were detected in the ground water samples from these two wells

in the current sampling. Only very low levels of chloroform were detected in the ground water samples collected from these wells in October, 1990.

The wells in the vicinity of Tank 53 include wells MW53-E, MW53-W (not sampled), and RW-1, all three located in the ring drain, and well MW-7 located immediately outside of the ring drain. Both wells MW53-E and RW-1 were observed to contain oil at the time of 1992 sampling. In 1992 (and 1990), the ground water sample from well MW53-E contained the highest total VOC concentration (3,577 ppb in 1992) of the wells in that area (and over the entire tank farm) and included both chlorinated and aromatic VOCs (see Figure 4-1). The established action levels for 1,2-dichloroethene, 1,1,1-trichloroethane, trichloroethane, tetrachloroethene, benzene, toluene, ethylbenzene, and total xylenes were exceeded in the ground water sample from well MW53-E (see Tables 4-2 and 4-3). The 1992 sample from well MW53-E also contained SVOCs with a total concentration of 453 ppb which included concentrations of naphthalene (73 ppb), 2-methyl naphthalene (180 ppb), and bis-2(ethylhexyl)phthalate (200 ppb). The 1992 ground water sample from the recovery well, RW-1, contained total VOCs at a concentration of 135 ppb, consisting almost entirely of chlorinated compounds. Vinyl chloride was detected in the RW-1 ground water sample at an estimated concentration of 5 ppb which exceeded the established action level for that compound (2 ppb). The concentration of trichloroethene (22 ppb) detected in the ground water sample from well RW-1 exceeded the established trichloroethene action level of 5 ppb (see Figure 4-1). SVOCs were also detected in the RW-1 sample at a total concentration of 455 ppb, consisting of the same SVOCs detected in well MW53-E. The ground water sample from well MW-7 contained 63 ppb of total VOCs, with 1,1-dichloroethane (35 ppb) and total 1,2-dichloroethene (12 ppb)

making up the majority of the total detected VOCs. There were no SVOCs detected in the ground water sample from well MW-7, with the exception of naphthalene at an estimated concentration of 1 ppb.

The concentrations detected in wells MW53-E, RW-1, and MW-7 under the May 1992 sampling round were similar to the analytical results reported for the 1990 sampling round. Generally, the concentrations of VOCs in most of the wells decreased slightly from the 1990 sampling to the 1992 sampling. Although, the concentration of SVOCs in the ground water sample from well RW-1 increased from 52 ppb in October 1990 to 455 ppb in May 1992. However, the concentrations of SVOCs detected in well MW53-E were significantly lower in the May 1992 sampling round. The decrease in SVOC concentrations from 1990 to 1992 may be due to a lower percentage of oil in the ground water sample collected in the 1992 sampling round.

Five wells, wells MW86-2, MW86-4, MW86-5, MW-8, and MW-4, are all located further downgradient of Tank 53. Of the ground water samples collected from these wells in May, 1992, the samples from MW-4 and MW-8, which are downgradient of Tank 53, contained detectable levels of VOCs. Those VOCs detected in well MW-8 included 6 ppb of 1,1 dichloroethane, 19 ppb of total 1,2-dichloroethane, and 8 ppb of 1,1,1-trichloroethane. The ground water sample from well MW-4 contained low levels of other chlorinated VOCs for a total concentration of 19 ppb. The concentration of trichloroethene (6 ppb) detected in the well MW-4 ground water sample exceeded the established trichloroethene action level of 5 ppb. None of the other three wells in the vicinity of Tank 53 (MW86-2, MW86-4, and MW86-5) contained detectable levels of VOCs. In addition, no SVOCs were detected in any of these five

wells. These ground water sample results are generally consistent with the results of the previous 1990 sampling.

No VOCs or SVOCs were detected in the ground water samples collected from any of the other wells located across the tank farm (MW-1, MW-2, MW-3 and MW-5). None of these wells were sampled during the October, 1990 tank closure sampling event.

4.2 Pesticides and PCBs

PCBs were not detected in the ground water samples collected from the Tank Farm Five wells. Well MW86-2 was not sampled for pesticides and PCBs during the 1992 sampling round due to insufficient volume of ground water in the well. Only one 1992 sample, the duplicate sample from well MW-1, labeled MW-11, contained a detectable amount of any TCL pesticide. The MW-11 ground water sample contained 0.011 ppb of 4,4'-DDD, which, according to the validated data, is an estimated value. Ground water samples collected during the 1990 sampling round were not analyzed for pesticides or PCBs.

4.3 Inorganic Compounds

The results of the 1990 sampling indicated that elevated levels of metals were present in the ground water in the wells near Tanks 53 and 56 with lead, arsenic, and nickel concentrations exceeding the established action levels in some of the wells. However, the 1990 ground water samples were collected and analyzed unfiltered. To determine if the soluble levels of metals in the ground water were elevated, both filtered and unfiltered samples were collected during the

1992 sampling round. The dissolved and total concentrations of metals were then compared to the established ground water action levels.

In the May, 1992 sampling, background levels of dissolved lead from wells MW86-1 and MW-6 were not identified since data validation rejected the lead values for both samples. The results of many of the other soluble lead samples were also rejected. Lead was detected in filtered ground water samples collected from wells MW-9 (13 ppb), MW-10 (3 ppb), and MW-862 (53 ppb). However, it is important to note that lead was also detected in a field blank at 18 ppb, resulting in much of the lead data being qualified or rejected. The established action level for lead (5 ppb) was exceeded at wells MW-9 and MW-862, located downgradient of Tanks 56 and 53, respectively.

The total lead concentrations in the ground water samples were significantly higher than the dissolved concentrations. The established lead action level of 5 ppb was exceeded in the samples collected from nearly all sixteen tank farm wells, with the exception of wells MW-4, MW-8, and RW-1 all located near Tank 53. The highest total lead concentration (167 ppb) was detected in the ground water sample from well MW-10, located downgradient of Tank 56.

Dissolved arsenic (filtered samples), which was not detected in the ground water in the background wells, was not detected above the action level of 100 ppb in any of the wells. However, total arsenic concentrations exceeded the established action level in the ground water samples from wells MW-1 (duplicate sample) at 55 ppb, MW-5 at 71 ppb, MW86-1 at 57 ppb, and MW86-5 at 102 ppb.

Dissolved chromium was not detected in the ground water (filtered samples) in most of the wells including the background wells. The established action level for chromium is 100 ppb,

which was not exceeded in any of the ground water samples. Total chromium concentrations exceeding the 100 ppb were detected in the ground water samples from wells MW-2 at 138 ppb and MW-10 at 336 ppb.

Dissolved nickel was also not detected in the background wells and, again not detected above its action level of 100 ppb in any of the wells. Total nickel concentrations exceeded the 100 ppb action level in the ground water samples collected from six wells from the 1992 sampling round, including wells MW-2 at 140 ppb, MW-5 at 137 ppb, MW-10 at 818 ppb, MW86-1 at 116 ppb, MW86-2 at 115 ppb, and MW86-5 at 372 ppb.

Although dissolved beryllium and selenium were not detected in any of the filtered ground water samples, total concentrations of beryllium and selenium were detected in some of the unfiltered samples. The established action level for beryllium (1 ppb) was exceed in the ground water samples from wells MW-2 at 2 ppb, MW-10 at 11 ppb, and MW86-5 at 3 ppb. The established action level for selenium (50 ppb) was exceeded in the ground water sample from well MW-3 at 60 ppb.

The results of the total metals analyses conducted on the ground water samples from wells sampled during both sampling events appear to be consistent. Generally, the highest total metals concentrations, particularly lead, nickel, and chromium, detected in the May, 1992 sampling were detected in well MW-10, downgradient of Tank 56 and well MW86-5, downgradient of Tank 53. Neither of these wells was sampled for metals in the October, 1990 sampling. The highest soluble metals concentrations were detected in well MW86-2, located downgradient of Tank 53.

4.4 Summary and Conclusions

An additional round of ground water samples was collected in May, 1992 from the wells located at Tank Farm Five to confirm the ground water quality observed during previous investigations and to determine if migration of the observed compounds had occurred since the last sampling event. The analytical results of the ground water sampling were compared to results from the last sampling event in October 1990 and to established ground water action levels.

Although samples from the Tank 56 ring drain wells could not be obtained during the current sampling round, the previous ground water sampling results for these wells and the other monitoring wells located in the vicinity of Tank 56 showed no significant indications of ground water contamination around this tank. However, in the vicinity of Tank 53, free product has been observed in the two ring drain monitoring wells (MW53-E and MW53-W) as well as the ring drain recovery well RW-1 during the sampling rounds. VOCs above the action levels have been detected in these ring drain wells and a nearby downgradient well (MW-7). Both aromatic and chlorinated VOCs were detected in the ring drain wells, while chlorinated VOCs were the predominant VOCs detected in the downgradient wells. Other ground water sample results from the Tank 53 area indicate that low levels of VOCs (also predominantly chlorinated VOCs) were observed in the ground water as far downgradient as well MW-4.

In the 1990 sampling round, unfiltered samples of the ground water were also collected and elevated levels of metals were detected in many of the monitoring well samples. These elevated concentrations appear to be primarily attributed to the undissolved component of metals in the ground water. Both filtered and unfiltered samples were collected in the 1992 sampling round.

The results of these analyses indicate that the total metals concentrations between the sampling rounds were generally consistent, but the soluble metals concentrations were significantly lower than the total metals concentrations. When the soluble metals levels were compared to the established action levels, only the action level for lead was exceeded at wells MW-9 and MW-862, both located downgradient of Tanks 56 and 53.

The analytical results from both sampling rounds indicate that the ground water near Tank 53 has apparently been affected by a release or releases from the tank. Although compound concentrations detected in some of the wells have varied, levels of the target compounds (VOCs) have generally remained the same or decreased slightly. The findings of this current sampling round indicates that there does not appear to be additional migration of detected compounds beyond previously defined areas.

5.0 REFERENCES

Environmental Resources Associates, Inc., 1988. "Tank Closure Plan for Tanks 53 and 56, Tank 5, Naval Education and Training Center , Newport, Rhode Island." April 15, 1988.

TRC Environmental Consultants, Inc., 1991. "Tank Closure Investigation ,Tanks 53 and 56, Tank Farm 5, Naval Education and Training Center, Newport, Rhode Island." June 1991.

TABLES

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TABLE 2-1
TANK FARM FIVE
MONITORING WELL CONSTRUCTION SUMMARY

Well ID	Total Well Depth (ft)	Bentonite Seal Depth (ft)	Sand Pack Depth (ft)	Well Screen Depth (ft)
MW-1	27	8-11	11-27	12-27
MW-2	22	3-5	5-22	7-22
MW-3	22	3-5	5-22	7-22
MW-4	31	14-15	15-31	16-31
MW-5	27	8-10	10-27	12-27
MW-6	13	2-2.5	2.5-13	3-13
MW-7	45	20.5-22.5	22.5-45	25-45
MW-8	45	20-23	23-45	25-45
MW-9	37.5	12.5-15.5	15.5-37.5	17.5-37.5
MW-10	36	12-14	14-36	15-36
RW-1	45	20-22	22-45	25-45
MW86-1	35	NA	NA	15-35
MW86-2	35	NA	NA	15-35
MW86-4	34	NA	NA	14-34
MW86-5	26	NA	NA	6-26
MW53-E	39.5	NA	NA	4.5-39.5
MW53-W	35	NA	NA	5-35
MW56-E	38.5	NA	NA	8.5-38.5
MW56-W	35	NA	NA	5-35

NOTE: All depths relative to ground surface at boring.

NA - Not Available

TABLE 3-1
TANK FARM FIVE
GROUND WATER SAMPLING MAY 1992
SAMPLE INDEX

SAMPLE NUMBER	DATE COLLECTED	TIME	MATRIX	TCL VOC	TCL SVOC	TCL PEST/PCB	TAL METALS	DISSOLVED TAL METALS	TSS	BOD	COD	SAMPLER	NOTES	WESTON BATCH NUMBER
TF5-MW1-508	05/06/92	1445	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW2-508	05/06/92	1340	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW3-508	05/06/92	1400	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW4-508	05/06/92	1240	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW5-508	05/06/92	1200	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW6-508	05/06/92	1020	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW6-508 MS	05/06/92	1040	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW6-508 MSD	05/06/92	1100	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L235
TF5-MW7-508	05/06/92	1610	WATER	X	X	X	X	X	X	X	X	FB/ZZ		9205-L235
TF5-MW8-507	05/07/92	945	WATER	X	X	X	X	X	X	X	X	FB/JB		9205-L252
TF5-MW8-507MS	05/07/92	945	WATER	X										9205-L252
TF5-MW8-507MSD	05/07/92	945	WATER	X										9205-L252
TF5-MW9-507	05/07/92	830	WATER	X	X	X	X	X	X	X	X	FB/JB		9205-L252
TF5-MW10-507	05/07/92	850	WATER	X	X	X	X	X	X	X	X	FB/JB		9205-L252
TF5-MW11-508	05/06/92	1455	WATER	X	X	X	X	X	X	X	X	TM/JB	Duplicate Sample of MW-1	9205-L252
TF5-MW12-507	05/07/92	815	WATER	X	X	X	X	X	X	X	X	FB/JB	Duplicate Sample of MW-9	9205-L252
TF5-RW1-507	05/07/92	1100	WATER	X	X	X	X	X	X	X	X	TM/JB		9205-L252
TF5-RW1-507MS	05/07/92	1120	WATER		X	X	X	X	X	X	X	TM/JB		9205-L252
TF5-RW1-507MSD	05/07/92	1140	WATER		X	X	X	X	X	X	X	TM/JB		9205-L252
TF5-MW881-508	05/06/92	1110	WATER	X	X	X	X	X	X	X	X	FB/ZZ		9205-L235
TF5-MW882-507	05/07/92	1215	WATER	X	X		X	X				FB/ZZ		9205-L252
TF5-MW884-508	05/06/92	1410	WATER	X	X	X	X	X	X	X	X	FB/ZZ		9205-L235
TF5-MW885-508	05/06/92	1515	WATER	X	X	X	X	X	X	X	X	FB/ZZ		9205-L235
TF5-MW53E-507	05/07/92	1130	WATER	X	X	X	X	X				TM/JB		9205-L252
TF5-MW53W													Not sampled due to lack of water	
TF5-MW56E													Not sampled due to lack of water	
TF5-MW56W													Not sampled due to lack of water	
TF5-FB-508	05/06/92	1520	WATER	X	X	X	X	X	X	X	X	TM/JB	Field Blank	9205-L235
TF5-FB-507	05/07/92	1520	WATER	X	X	X	X	X	X	X	X	TM/JB	Field Blank	9205-L252
TF5-TB1-508	05/06/92	1545	WATER	X								TM/FB	Trip Blank	9205-L235
TF5-TB2-508	05/06/92	1555	WATER	X								TM/FB	Trip Blank	9205-L235
TF5-TB3-508	05/06/92	1605	WATER	X								TM/FB	Trip Blank	9205-L235
TF5-TB4-508	05/06/92	1615	WATER	X								TM/FB	Trip Blank	9205-L235
TF5-TB1-507	05/07/92	1600	WATER	X								TM/FB	Trip Blank	9205-L252
TF5-TB2-507	05/07/92	1610	WATER	X								TM/FB	Trip Blank	9205-L252
TF5-TB3-507	05/07/92	1615	WATER	X								TM/FB	Trip Blank	9205-L252

TCL – Target Compound List
TAL – Target Analyte List
VOC – Volatile Organic Compound
SVOC – Semivolatile Organic Compound
TSS – Total Suspended Solids
BOD – Biological Oxygen Demand
COD – Chemical Oxygen Demand

TRC

TABLE 3-2
TANK FARM FIVE
GROUND WATER FIELD PARAMETER VALUES

WELL NUMBER	pH	TEMPERATURE (°C)	SALINITY (parts/1000)	CONDUCTANCE (μmhos/cm)
MW-1	6.3	11.0	0.0	400
MW-2	7.0	12.0	0.0	430
MW-3	NR	NR	NR	NR
MW-4*	8.2	14.0	0.0	410
MW-5	7.0	14.0	0.0	675
MW-6	6.5	11.2	0.0	260
MW-7	7.7	10.0	0.0	450
MW-8	6.5	14.5	0.0	300
MW-9	6.9	17.5	0.0	800
MW-10	6.8	15.4	0.0	350
RW-1	6.6	12.3	0.0	500
MW86-1	7.6	12.0	0.0	250
MW86-2	*	*	*	*
MW86-4	6.1	12.2	0.0	250
MW86-5	7.0	12.0	0.0	135
MW53-E*	*	*	*	*
MW53-W	*	*	*	*
MW56-E	*	*	*	*
MW56-W	*	*	*	*

*Insufficient water available

NR – Not Recorded

TRC

TABLE 3-3
TANK FARM FIVE
WATER LEVEL MEASUREMENTS

WELL NO.	GROUND ELEVATION FT MLW[2]	INNER CASING EL. FT MLW[2]	DEPTH TO WATER FT BTOC[1] 5/06/92	WATER LEVEL EL. FT MLW[2] 5/06/92
MW-1	31.21	33.97	15.94	18.03
MW-2	40.23	42.83	12.95	29.88
MW-3	47.16	50.08	11.78	38.30
MW-4	49.51	52.89	24.99	27.90
MW-5	74.37	77.37	17.19	60.18
MW-6	73.02	75.33	4.70	70.63
MW-7	69.04	71.85	37.82	34.03
MW-8	66.59	69.49	33.02	36.47
MW-9	78.94	82.27	31.03	51.24
MW-10	80.84	83.53	31.14	52.39
RW-1	68.59	72.12	38.71	33.41
MW53E	70.35	71.16	38.32	32.84
MW53W	68.32	68.50	>35.00	<33.50
MW56E	88.65	90.39	>38.50	<51.89
MW56W	86.64	86.97	>35.00	<51.97
MW86-1	89.22	90.45	21.45	69.00
MW86-2	59.05	60.54	24.91	35.63
MW86-4	60.71	62.66	23.77	38.89
MW86-5	54.69	56.06	24.37	31.69

[1] FEET BELOW TOP OF CASING

[2] FEET ABOVE MEAN LOW WATER

TRC

TABLE 4-1
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	MW-1	MW-11 (dup of MW-1)	MW-2	MW-3	MW-4	MW-5
VOLATILE ORGANICS (PPB)						
VINYL CHLORIDE	–	–	–	–	–	–
METHYLENE CHLORIDE	11 U*	10 U**	10 U**	10 U**	13 U*	10 U**
ACETONE	14 U*	18 U*		11 U*	11 U*	16 U*
1,1-DICHLOROETHANE	–	–	–	–	–	–
1,2-DICHLOROETHENE (TOTAL)	–	–	–	–	5 J	–
CHLOROFORM	–	–	–	–	5 J	–
1,1,1-TRICHLOROETHANE	–	–	–	–	3 J	–
TRICHLOROETHENE	–	–	–	–	6 J	–
TETRACHLOROETHENE	–	–	–	–	–	–
BENZENE	–	–	–	–	–	–
TOLUENE	–	–	–	–	–	–
ETHYLBENZENE	–	–	–	–	–	–
XYLENE	–	–	–	–	–	–
TOTAL VOLATILE ORGANICS	0	0	0	0	19	0
BASE NEUTRAL / ACIDS (PPB)						
NAPHTHALENE @	–	–	–	–	–	–
2-METHYLNAPHTHALENE @	–	–	–	–	–	–
DI-N-BUTYLPHTHALATE	11 U**	11 U**	11 U**	11 U**	11 U**	11 U**
BUTLYBENZYLPHTHALATE	–	–	–	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	11 U**	11 U**	11 U**	11 U**	11 U**	11 U**
TOTAL BNA'S	0	0	0	0	0	0
TOTAL PAH'S	0	0	0	0	0	0
TOTAL CARCINOGENIC PAH'S	0	0	0	0	0	0
PESTICIDES/PCB'S (PPB)						
ALPHA-BHC	–	–	–	–	–	–
4,4'-DDD	–	0 011 NJ*	–	–	–	–

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – NOT DETECTED
UJ – REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE.
* – INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION.
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.
@ – INDICATES THAT THE COMPOUND IS A POLYNUCLEAR AROMATIC HYDROCARBON (PAH)

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	MW-1	MW-11 (dup of MW-1)	MW-2	MW-3	MW-4	MW-5
INORGANICS (PPM) TOTAL (UNFILTERED SAMPLES)						
ALUMINUM	10.2	15.5	73.3	22 2	1.87	31 8
ARSENIC	0.039 J*	0.055 J	0.036 J*	0.026 J*	0.029 J*	0.071 J*
BARIUM	0.049 B	0.06 B	0.091 B	0.044 B	0.026 B	0.138 B
BERYLLIUM	–	–	0.002 B	–	–	0 001 B
CADMIUM	–	–	–	–	–	–
CALCIUM	22.5	28.7	45 6	37.1	29.8	69.4
CHROMIUM	0.042	0.062	0.138	0.045	0.011	0.072
COBALT	0 022 B	0.025 B	0.056	0.041 B	0.012 B	0 164
COPPER	0.04	0.058	0 049	0.013 B	0 012 B	0.068
IRON	121	130	265	115	14.6	109
LEAD	0.039 J*	0.053 J*	0.057 J*	0.028 J*	0.003 J*	0.028 J*
MAGNESIUM	12.2	14.7	52.1	35.3	24.3	62.7
MANGANESE	1.47	1.7	3.31	2.83	0 154	6 8
MERCURY	–	–	–	–	–	–
NICKEL	0.052	0.075	0.14	0 071	0 02 B	0.137
POTASSIUM	2.11 B	3.13 B	4.68 B	1.19 B	1 7 B	4.03 B
SELENIUM	–	–	–	0.06	–	–
SILVER	0.008 B	0.011	18.9	0.88	–	–
SODIUM	42 4	46.6	16 1	6 83	18	7.86
VANADIUM	–	–	0.012 B	–	–	0.016 B
ZINC	156	0.184	0.386	0 218	0 041	0 245
INORGANICS (PPM) SOLUBLE (FILTERED SAMPLES)						
ALUMINUM	0.068 BU*	0.065 BU*	0.062 BU*	0.056 BU*	0.094 BU*	0.081 BU*
ANTIMONY	–	–	–	–	–	–
ARSENIC	–	0.002 UJ*	0.002 UJ*	0 002 BJ*	0 003 BJ*	0.002 UJ*
BARIUM	–	–	–	0.008 B	0 007 B	0.022 B
BERYLLIUM	–	–	–	–	–	–
CADMIUM	–	–	–	–	–	–
CALCIUM	18.6	17.9	30 7	32.7	30.8	65 0
CHROMIUM	–	–	–	–	–	–
COBALT	–	–	–	–	–	0.009 B
COPPER	–	–	–	–	–	–
IRON	0.679	1.36	–	3 91	0 055 B	0.693
LEAD	–	rejected*	rejected*	rejected*	rejected*	rejected*
MAGNESIUM	5.64	5.61	23.5	26.8	25 4	54 9
MANGANESE	0.096	0.152	0.003 B	1.18	0.019	0.789
MERCURY	–	–	–	–	–	–
NICKEL	–	–	–	–	–	0 020 B
POTASSIUM	2.26 B	1.8 B	2.09 B	0.986 B	2.12 B	3.03 B
SELENIUM	0.002 UJ*	0.002 UJ*	0.002 UJ*	0.002 UJ*	0.002 UJ*	0 002 UJ*
SILVER	–	–	–	–	–	–
SODIUM	54.1	51.4	15.8	7.00	18.0	8 12
VANADIUM	–	–	–	–	–	0.010 B
ZINC	–	–	–	0.007 B	–	–
Chemical Oxygen Demand	64 3	48	49.6	22	15.5	39.9
Total Suspended Solids	2730	3260	7670	30	1980	1240
Biological Oxygen Demand (5 day)	1.1	1	1	2.9	1	1.4

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – THE COMPOUND WAS ANALYZED FOR BUT NOT NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
UJ – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE
* – INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	MW-6	MW-7	MW-8	MW-9	MW-12 (dup of MW-9)	MW-10
VOLATILE ORGANICS (PPB)						
VINYL CHLORIDE	–	–	–	–	–	–
METHYLENE CHLORIDE	10 U**	10 U**	10 U**	10 U**	10 U*	10 U*
ACETONE	–	–	10 U**	–	–	–
1,1-DICHLOROETHANE	–	35	6 J	–	–	–
1,2-DICHLOROETHENE (TOTAL)	–	12	19	–	–	–
CHLOROFORM	–	–	–	–	–	–
1,1,1-TRICHLOROETHANE	–	6 J	8 J	–	–	–
TRICHLOROETHENE	–	3 J	–	–	–	–
TETRACHLOROETHENE	–	–	–	–	–	–
BENZENE	–	4 J	–	–	–	–
TOLUENE	–	–	–	–	–	–
ETHYLBENZENE	–	1 J	–	–	–	–
XYLENE	–	2 J	–	–	–	–
TOTAL VOLATILE ORGANICS	0	63	33	0	0	0
BASE NEUTRAL / ACIDS (PPB)						
NAPHTHALENE@	–	1 J	–	–	–	–
2-METHYLNAPHTHALENE@	–	10 U**	–	–	–	–
DI-N-BUTYLPHTHALATE	11 U**	10 U**	10 U**	10 U**	10 U**	10 U**
BUTLYBENZYLPHTHALATE	–	–	–	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	11 U**	10 U**	10 U**	10 U**	10 U**	10 U**
TOTAL BNA'S	0	1	0	0	0	0
TOTAL PAH'S	0	1	0	0	0	0
TOTAL CARCINOGENIC PAH'S	0	0	0	0	0	0
PESTICIDES/PCB'S (PPB)						
ALPHA-BHC	–	0 054 UJ**	–	–	–	–
4,4'-DDD	–	–	–	–	–	–

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED
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U – NOT DETECTED
UJ – REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE
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** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.
@ – INDICATES THAT THE COMPOUND IS A POLYNUCLEAR AROMATIC HYDROCARBON (PAH)

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	MW-6	MW-7	MW-8	MW-9	MW-12 (dup of MW-9)	MW-10
INORGANICS (PPM) TOTAL (UNFILTERED SAMPLES)						
ALUMINUM	11.5	16.4	5.59	2.67	2.7	148
ARSENIC	0.013 J*	0.019 J*	0.02	0.04	0 035	0.27 B
BARIUM	0.049 B	0.055 B	0.062 B	0.056 B	0.048	0.586
BERYLLIUM	–	–	–	–	–	0.011
CADMIUM	–	–	–	–	–	0.005 B
CALCIUM	18	17.9	24.3 J*	74.5 J*	69.5 J	78.7 J
CHROMIUM	0.017	0.028	0.019	–	–	0.336
COBALT	0.024 B	0.035 B	0.027 B	0.078	0.064	0.582
COPPER	0.022 B	0.034	0 05	0.02 B	0.019	0.144
IRON	33 5	80.1	22.1 J*	29.1 J*	24.1 J*	796 J
LEAD	0.014 J*	0.04 J*	0.03 J*	0.036 J*	0.066 J*	0.167 J
MAGNESIUM	23.4	11.3	19 8 J*	56 7 J*	53.1 J*	81.6 J
MANGANESE	1.3	6.6	0.535 J*	4.62 J*	3.62 J*	14.4 J
MERCURY	–	–	–	–	–	–
NICKEL	0.036 B	0.065	0.035	0.051	0 05	0.818
POTASSIUM	0.896	1.75 B	2 28 B	2 18 B	2.09 B	11.3
SELENIUM	–	–	–	–	–	–
SILVER	–	–	–	–	–	0.041
SODIUM	7.87	5.8	10 5	10.3	9.9	10
VANADIUM	0.013 B	–	0.063 B	0 015 B	0.014 B	–
ZINC	0.071	0.102	0.068	0.073	0 059	1.22
INORGANICS (PPM) SOLUBLE (FILTERED SAMPLES)						
ALUMINUM	0 063 BU*	0.082 BU*	–	–	–	–
ANTIMONY	–	–	–	–	–	0 038 B
ARSENIC	0 002 UJ*	0.013 J*	–	–	–	0.003 B
BARIUM	–	0.022 B	0.01 B	0 012 B	0 012 B	0.009 B
BERYLLIUM	–	–	–	–	–	–
CADMIUM	–	–	–	–	–	–
CALCIUM	18.0	29.3	23 7 J*	72.5 J*	76.1 J	31.1 J
CHROMIUM	–	–	–	–	–	–
COBALT	–	0.008 B	–	0.01 B	0 013 B	0.018 B
COPPER	–	–	–	–	–	–
IRON	0.038 B	48.0	0.063 BU*	–	–	0.089 BU*
LEAD	rejected*	rejected*	0.002 UJ*	0.013 J	0.002 UJ*	0.003 BJ*
MAGNESIUM	21.3	12.2	18.9 J*	55.3 J	57 9 J*	18.9 J*
MANGANESE	0 33	10.8	0.041 J*	0 516 J	0.723 J*	1.53 J*
MERCURY	–	–	–	–	0.0001 B	0.0001 B
NICKEL	–	–	–	–	–	0.028 B
POTASSIUM	–	2.26 B	1.59 B*	2.11 B	2.04 B	2.28 B
SELENIUM	0 002 UJ*	0 002 UJ*	–	–	–	–
SILVER	–	–	–	–	–	–
SODIUM	8.2	10 7	10.9	10.4	10.7	8.70
VANADIUM	–	–	0.006 B	0.019 B	0.017 B	0 006 B
ZINC	–	–	0.013 BU*	0.012 BU*	0.012 B	0 012 BU*
Chemical Oxygen Demand	15.5	77.6	7.7	6.1	12.5	142
Total Suspended Solids	854	193	384	804	308	5900
Biological Oxygen Demand (5 day)	1	4.1	2	1.2	1	2.3

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – THE COMPOUND WAS ANALYZED FOR BUT NOT NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
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** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	RW-1	MW-861	MW-862	MW-864	MW-865	MW-53E
VOLATILE ORGANICS (PPB)						
VINYL CHLORIDE	5 J	–	–	–	–	–
METHYLENE CHLORIDE	12 U*	10 U**	10 U*	–	10 U**	74 U*
ACETONE	25 U*	–	–	10 U**	17 U*	44 U*
1,1-DICHLOROETHANE	41	–	–	–	–	55
1,2-DICHLOROETHENE (TOTAL)	21	–	–	–	–	420
CHLOROFORM	–	8 J	–	–	–	–
1,1,1-TRICHLOROETHANE	36	–	–	–	–	800
TRICHLOROETHENE	22	–	–	–	–	570
TETRACHLOROETHENE	2 J	–	–	–	–	220
BENZENE	1 J	–	–	–	–	94
TOLUENE	–	–	–	–	–	88
ETHYLBENZENE	–	–	–	–	–	230
XYLENE	7 J	–	–	–	–	1100
TOTAL VOLATILE ORGANICS	135	8	0	0	0	3577
BASE NEUTRAL / ACIDS (PPB)						
NAPHTHALENE @	55 J	–	–	–	–	73 J
2-METHYLNAPHTHALENE @	270	–	–	–	–	180
DI-N-BUTYLPHTHALATE	–	10 U**	10 U**	11 U**	11 U**	
BUTLYBENZYLPHTHALATE	–	–	–	11 U**	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	130 **	10 U**	10 U**	44 U*	11 U**	200 **
TOTAL BNA'S	455	0	0	0	0	453
TOTAL PAH'S	325	0	0	0	0	253
TOTAL CARCINOGENIC PAH'S	0	0	0	0	0	0
PESTICIDES/PCB'S (PPB)						
ALPHA-BHC	–	–	–	–	–	–
4,4'-DDD	–	–	N/A	–	–	–

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – NOT DETECTED
UJ – REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE
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N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.
@ – INDICATES THAT THE COMPOUND IS A POLYNUCLEAR AROMATIC HYDROCARBON (PAH)

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	RW-1	MW-861	MW-862	MW-864	MW-865	MW-53E
INORGANICS (PPM) TOTAL (UNFILTERED SAMPLES)						
ALUMINUM	1.2	16.9	18.9	17.4	136	9.67
ARSENIC	0 015	0.057 J*	0.047	0.016 J*	0 102 J*	0 033
BARIUM	0.021 B	0.052 B	0 067	0.023 B	0.155 B	0 4 B
BERYLLIUM	–	–	–	–	0.003 B	–
CADMIUM	–	–	–	–	–	–
CALCIUM	35.1 J	16.4	25.3 J*	6	25.4	19.9 J*
CHROMIUM	–	0.03	0.066	0.03	0.278	0 016
COBALT	0.01 B	0.171	0.102	0.017 B	0.342	0.071
COPPER	–	0.063	0.076	0.034	0.332	0.073
IRON	60.2 J*	72.2	94.6 J*	44.7	350	50.3 J*
LEAD	0.002 B,J*	0.025 J*	0 053 J*	0 017 J*	124 J*	0.021 J*
MAGNESIUM	15 3 J*	16.7	27.7 J*	7	45.1	12 9 J*
MANGANESE	7.65 J*	3 1	4.38 J*	0.263	1.79	6.54 J*
MERCURY	–	–	0.00014 B	–	–	0 001
NICKEL	–	0.116	0.115	0.027 B	0.372	0.052
POTASSIUM	2.28 B	1.6 B	2 86 B	1.33 B	4 15 B	1.96 B
SELENIUM	–	–	–	2.00 UJ*	2.00 UJ*	2.00 UJ*
SILVER	–	–	–	–	0.024	–
SODIUM	11.6	9.23	15 1	8 7	8.11	10.6
VANADIUM	–	–	–	0 012 B	0.039 B	0.054 B
ZINC	0.06	0.19	0.255	0.084	0.873	0.107
INORGANICS (PPM) SOLUBLE (FILTERED SAMPLES)						
ALUMINUM	–	0.368	18 9	0 105 BU*	N/A	N/A
ANTIMONY	–	–	–	–	–	–
ARSENIC	0 013	0 002 UJ*	0.047	0.002 UJ*	–	–
BARIUM	0 017 B	0 008 B	0.067 B	–	–	–
BERYLLIUM	–	–	–	–	–	–
CADMIUM	–	0.007	–	–	–	–
CALCIUM	32.5 J	16.2	25.3 J*	4.66 B	–	–
CHROMIUM	–	–	0.066	–	–	–
COBALT	0 007 B	0 036 B	0.102	–	–	–
COPPER	–	–	0.076	0.008 B	–	–
IRON	51.9 J	1 17	94.6 J*	–	–	–
LEAD	0 002 UJ*	rejected	0 053 J*	rejected	–	–
MAGNESIUM	14.0 J*	13 0	27.7 J*	2.1 B	–	–
MANGANESE	7 11 J*	0 721	4.38 J*	0.020	–	–
MERCURY	–	–	0.00014 B	–	–	–
NICKEL	–	0.040	0.115	–	–	–
POTASSIUM	2.43 B	1.03 B	2.86 B	–	–	–
SELENIUM	–	0.002 UJ*	–	0.002 UJ*	–	–
SILVER	–	–	–	–	–	–
SODIUM	11 4	9.51	15.1	8.96	–	–
VANADIUM	–	–	–	–	–	–
ZINC	0.015 BU*	0.023	0.255	0.010 B	–	–
Chemical Oxygen Demand	255	12.3		15.5	31.8	
Total Suspended Solids	353	142		496	1100	
Biological Oxygen Demand (5 day)	5.8	1		1	1	

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – THE COMPOUND WAS ANALYZED FOR BUT NOT NOT DETECTED THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
UJ – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE.
* – INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION.
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	FB-506	FB-507	TB1-506	TB2-506	TB3-506	TB4-506
VOLATILE ORGANICS (PPB)						
VINYL CHLORIDE	–	–	–	–	–	–
METHYLENE CHLORIDE	10 U**	10 U*	10 U**	10 U**	10 U**	10 U*
ACETONE	–	10 U**	20 U*	–	8 J	25
1,1-DICHLOROETHANE	–	–	–	–	–	–
1,2-DICHLOROETHENE (TOTAL)	–	–	–	–	–	–
CHLOROFORM	–	–	–	–	–	–
1,1,1-TRICHLOROETHANE	–	–	–	–	–	–
TRICHLOROETHENE	–	–	–	–	–	–
TETRACHLOROETHENE	–	–	–	–	–	–
BENZENE	–	–	–	–	–	–
TOLUENE	–	–	–	–	–	–
ETHYLBENZENE	–	–	–	–	–	–
XYLENE	–	–	–	–	–	–
TOTAL VOLATILE ORGANICS	0	0	0	0	8	25
BASE NEUTRAL / ACIDS (PPB)						
NAPHTHALENE @	–	–				
2-METHYLNAPHTHALENE @	–	–				
DI-N-BUTYLPHTHALATE	11 U**	11 U**				
BUTLYBENZYLPHTHALATE	–	–				
BIS(2-ETHYLHEXYL)PHTHALATE	11 U**	11 U**				
TOTAL BNA'S	0	0				
TOTAL PAH'S	0	0				
TOTAL CARCINOGENIC PAH'S	0	0				
PESTICIDES/PCB'S (PPB)						
ALPHA-BHC	–	–				
4,4'-DDD	–	–				

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – NOT DETECTED
UJ – REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE.
* – INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION.
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.
@ – INDICATES THAT THE COMPOUND IS A POLYNUCLEAR AROMATIC HYDROCARBON (PAH)

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	FB-506	FB-507	TB1-506	TB2-506	TB3-506	TB4-506
INORGANICS (PPM) TOTAL (UNFILTERED SAMPLES)						
ALUMINUM	–	–				
ARSENIC	2 00 UJ*	–				
BARIUM	–	–				
BERYLLIUM	–	–				
CADMIUM	–	–				
CALCIUM	0.147 B	–				
CHROMIUM	0.055 B	–				
COBALT	–	–				
COPPER	–	–				
IRON	–	0 035 BU*				
LEAD	rejected	2.00 UJ*				
MAGNESIUM	–	–				
MANGANESE	–	–				
MERCURY	–	–				
NICKEL	–	–				
POTASSIUM	–	–				
SELENIUM	2 00 UJ*	–				
SILVER	–	–				
SODIUM	0 058 B	0.175 B				
VANADIUM	–	–				
ZINC	–	0.009 BU*				
INORGANICS (PPM) SOLUBLE (FILTERED SAMPLES)						
ALUMINUM	0.06 BU*	–				
ANTIMONY	–	–				
ARSENIC	0 002 UJ*	–				
BARIUM	–	–				
BERYLLIUM	–	–				
CADMIUM	–	–				
CALCIUM	–	–				
CHROMIUM	–	–				
COBALT	–	–				
COPPER	–	–				
IRON	–	–				
LEAD	rejected	0.018 J*				
MAGNESIUM	–	–				
MANGANESE	–	0.004 BJ*				
MERCURY	–	–				
NICKEL	–	–				
POTASSIUM	–	–				
SELENIUM	0.002 UJ*	–				
SILVER	–	–				
SODIUM	–	0.134 B				
VANADIUM	–	–				
ZINC	–	–				

Chemical Oxygen Demand
Total Suspended Solids
Biological Oxygen Demand (5 day)

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – THE COMPOUND WAS ANALYZED FOR BUT NOT NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
UJ – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE
* – INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION.
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	TB1-507	TB2-507	TB3-507
VOLATILE ORGANICS (PPB)			
VINYL CHLORIDE	-	-	-
METHYLENE CHLORIDE	10 U**	14 U*	10 U**
ACETONE	10 U**	27 U*	11 U*
1,1-DICHLOROETHANE	-	-	-
1,2-DICHLOROETHENE (TOTAL)	-	-	-
CHLOROFORM	-	-	-
1,1,1-TRICHLOROETHANE	-	-	-
TRICHLOROETHENE	-	-	-
TETRACHLOROETHENE	-	-	-
BENZENE	-	-	-
TOLUENE	-	-	-
ETHYLBENZENE	-	-	-
XYLENE	-	-	-
TOTAL VOLATILE ORGANICS	0	0	0
BASE NEUTRAL / ACIDS (PPB)			
NAPHTHALENE @			
2-METHYLNAPHTHALENE @			
DI-N-BUTYLPHTHALATE			
BUTLYBENZYLPHTHALATE			
BIS(2-ETHYLHEXYL)PHTHALATE			
TOTAL BNA'S			
TOTAL PAH'S			
TOTAL CARCINOGENIC PAH'S			
PESTICIDES/PCB'S (PPB)			
ALPHA-BHC			
4,4'-DDD			

NOTE: J - REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B - COMPOUND ALSO DETECTED IN THE BLANK
U - NOT DETECTED
UJ - REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED.
NJ - PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE
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** - INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A - INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.
@ - INDICATES THAT THE COMPOUND IS A POLYNUCLEAR AROMATIC HYDROCARBON (PAH)

TRC

TABLE 4-1, cont.
TANK FARM FIVE
POSITIVE ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
MAY 1992

SAMPLE IDENTIFICATION:	TB1-507	TB2-507	TB3-507
INORGANICS (PPM) TOTAL (UNFILTERED SAMPLES)			
ALUMINUM			
ARSENIC			
BARIUM			
BERYLLIUM			
CADMIUM			
CALCIUM			
CHROMIUM			
COBALT			
COPPER			
IRON			
LEAD			
MAGNESIUM			
MANGANESE			
MERCURY			
NICKEL			
POTASSIUM			
SELENIUM			
SILVER			
SODIUM			
VANADIUM			
ZINC			
INORGANICS (PPM) SOLUBLE (FILTERED SAMPLES)			
ALUMINUM			
ANTIMONY			
ARSENIC			
BARIUM			
BERYLLIUM			
CADMIUM			
CALCIUM			
CHROMIUM			
COBALT			
COPPER			
IRON			
LEAD			
MAGNESIUM			
MANGANESE			
MERCURY			
NICKEL			
POTASSIUM			
SELENIUM			
SILVER			
SODIUM			
VANADIUM			
ZINC			
Chemical Oxygen Demand			
Total Suspended Solids			
Biological Oxygen Demand (5 day)			

NOTE: J – REPORTED RESULT IS QUANTITATIVELY ESTIMATED.
B – COMPOUND ALSO DETECTED IN THE BLANK.
U – THE COMPOUND WAS ANALYZED FOR BUT NOT NOT DETECTED. THE ASSOCIATED NUMERICAL VALUE IS THE SAMPLE QUANTITATION LIMIT.
UJ – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
NJ – PRESUMPTIVE EVIDENCE FOR THE PRESENCE OF THE MATERIAL AT AN ESTIMATED VALUE.
*– INDICATES THAT THE QUALIFIER HAS CHANGED ACCORDING TO DATA VALIDATION.
** – INDICATES THAT THE CONCENTRATION HAS CHANGED ACCORDING TO DATA VALIDATION.
N/A – INSUFFICIENT SAMPLE VOLUME FOR ANALYSIS.

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TABLE 4-2
COMPARISON OF ELEVATED GROUND WATER SAMPLE RESULTS
(TOTAL CONCENTRATIONS)
TANK FARM 5
NAVAL EDUCATION TRAINING CENTER
NEWPORT, RHODE ISLAND

COMPOUND	WELL NUMBER	OCT 1990 CONCENTRATION (PPB)	MAY 1992 CONCENTRATION (PPB)	ACTION LEVEL[1] (PPB)
VOCs				
Vinyl Chloride	RW-1	27	5	2[2] (F)
	MW-53E	2	–	
1,2 Dichloroethene (total)	MW-53E	1400	420	70[2]* (F)
	MW-7	140/140[5]	12	
1,1,1-Trichloroethane	MW-53E	690	800	200[2] (F)
Trichloroethene	RW-1	5	22	5[2] (F)
	MW-53E	460	570	
	MW-4	N/A	6	
	MW-7	6/6[5]	–	
	MW-862	8	–	
Tetrachloroethene	MW-53E	33	220	5[2] (F)
Benzene	MW-53E	200	94	5[2] (F)
	MW-1	18	–	
	MW-7	16/15[5]	–	
Toluene	MW-53E	100	88	40[3] (F)
Ethylbenzene	MW-53E	150	230	30[3] (F)
Xylenes	MW-53E	430	1100	20[3] (F)
INORGANICS				
Arsenic	MW-1	N/A	39/55[5]	50[4] (F)
	MW-5	N/A	71	
	MW-861	159	57	
	MW-862	52	47	
	MW-865	N/A	102	
	MW-56W	63	N/A	
Beryllium	MW-2	N/A	2	1[2] (P)
	MW-10	N/A	11	
	MW-865	N/A	3	
Chromium	MW-2	N/A	138	100[2] (F)
	MW-10	N/A	336	
Nickel	MW-2	N/A	140	100[2] (T)
	MW-5	N/A	137	
	MW-10	N/A	818	
	MW-861	250	116	
	MW-862	134	115	
	MW-865	N/A	372	
	MW-56W	138	N/A	

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TABLE 4-2, cont.
COMPARISON OF GROUND WATER SAMPLE RESULTS
(TOTAL CONCENTRATIONS)
TANK FARM 5
NAVAL EDUCATION TRAINING CENTER
NEWPORT, RHODE ISLAND

COMPOUND	WELL NUMBER	OCT 1990 CONCENTRATION (PPB) TOTAL	MAY 1992 CONCENTRATION (PPB) TOTAL	ACTION LEVEL[1] (PPB)
INORGANICS, CONT.				
Lead	MW-1	N/A	39/53[5]	5[2] (P)
	MW-2	N/A	57	
	MW-3	N/A	28	
	MW-5	N/A	28	
	MW-6	N/A	14	
	MW-7	32	40	
	MW-9	6	36/66[5]	
	MW-10	11.4	167	
	MW-861	49	25	
	MW-862	36	53	
	MW-864	N/A	17	
	MW-865	N/A	124	
	MW-53E	N/A	21	
Selenium	MW-3	N/A	60	50[2] (F)

N/A – Sample not analyzed for this parameter

1 The most stringent Federal standard or criteria is listed as the action level.
2 The Federal Maximum Contaminant Level (MCL).
3 A secondary Federal Drinking Water Standard based on organoleptic data (i e taste and odor)
4 National Primary Drinking Water Regulation (NPDWR).
5 Duplicate samples collected at this location

(F) – Final
(P) – Proposed
(T) – Tenative

* – The action level for 1,2-Dichloroethene is based on cis-1,2-Dichloroethene and not 1,1-Dichloroethene (total)

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TABLE 4-3
SUMMARY OF GROUND WATER SAMPLE RESULTS
(DISSOLVED CONCENTRATIONS)
EXCEEDING DEVELOPED ACTION LEVELS
TANK FARM 5
NAVAL EDUCATION TRAINING CENTER
NEWPORT, RHODE ISLAND

COMPOUND	WELL NUMBER	CONCENTRATION (PPB)	ACTION LEVEL[1] (PPB)
VOCs			
Vinyl Chloride	RW-1	5	2[2] (F)
1,2 Dichloroethene (total)	MW-53E	420	70[2] (F)
1,1,1-Trichloroethane	MW-53E	800	200[2] (F)
Trichloroethene	RW-1 MW-53E MW-4	22 570 6	5[2] (F)
Tetrachloroethene	MW-53E	220	5[2] (F)
Benzene	MW-53E	94	5[2] (F)
Toluene	MW-53E	88	40[3] (F)
Ethylbenzene	MW-53E	230	30[3] (F)
Xylene	MW-53E	1100	20[3] (F)
INORGANICS (Soluble/Filtered)			
Lead	MW-9 MW-862	13 53	5[2] (P)

[1] The most stringent Federal standard or criteria is listed as the action level.

[2] The Federal Maximum Contaminant Level (MCL).

[3] A secondary Federal Drinking Water Standard based on organoleptic data (i.e., taste and odor)

[4] The National Primary Drinking Water Regulation (NPDWR).

(F) – Final
(P) – Proposed
(T) – Tentative

* – The action level for 1,2- Dichloroethene is based on cis-1,2-Dichloroethene and not 1,2-Dichloroethene (total).

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FIGURES

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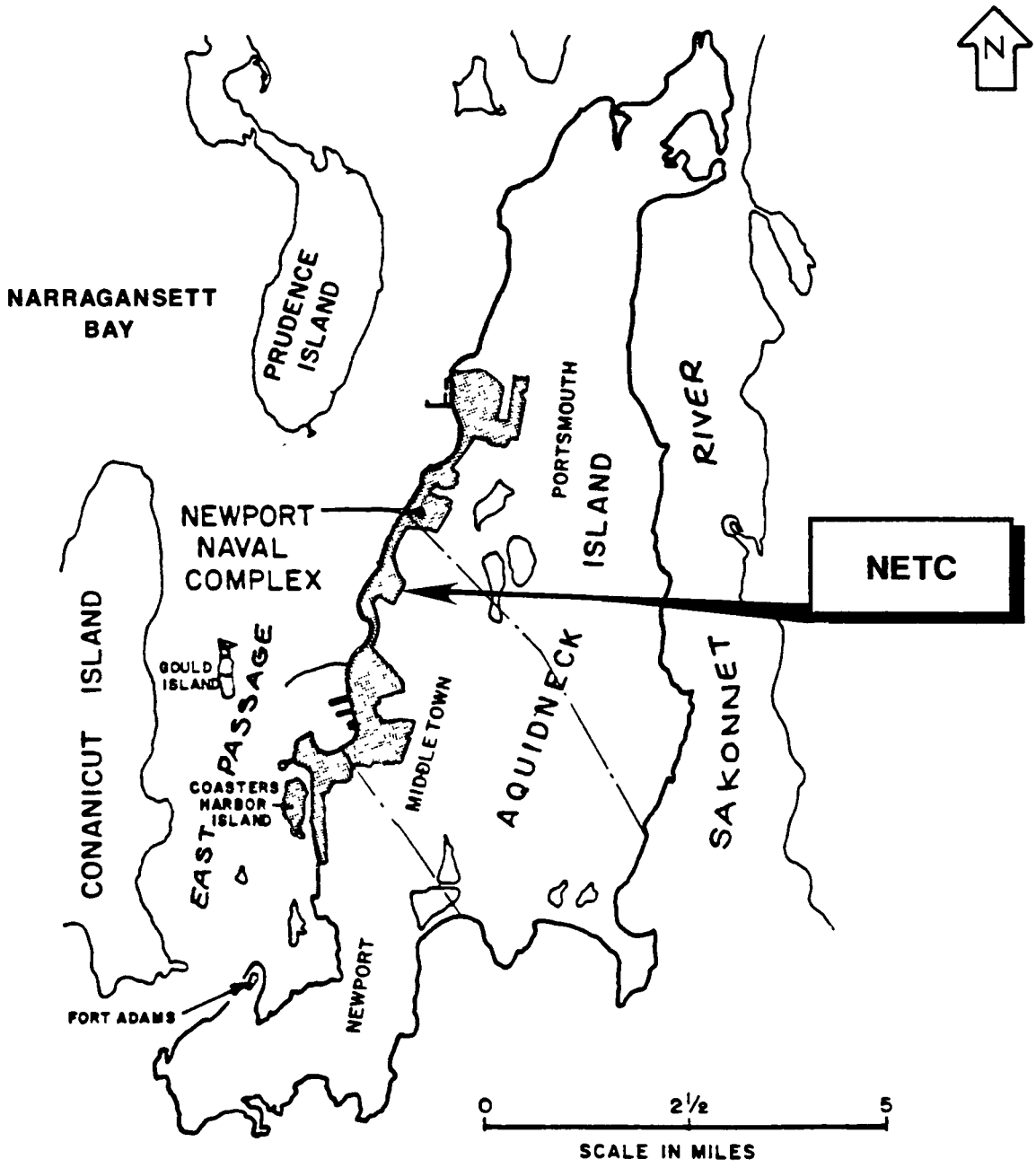

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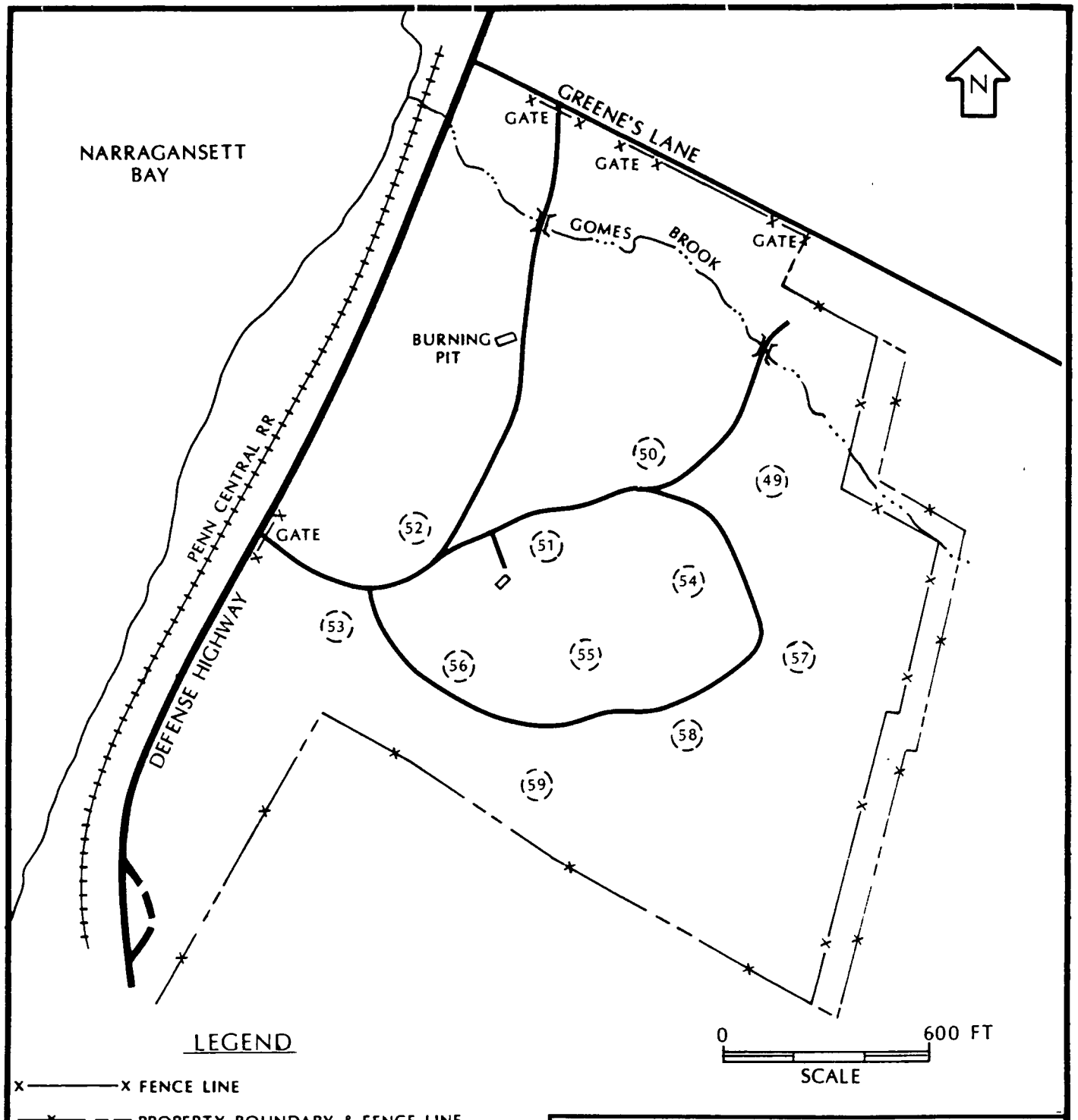
NAVAL EDUCATION TRAINING CENTER

NEWPORT RHODE ISLAND

FIGURE 1-1.

NAVAL EDUCATION AND TRAINING CENTER VICINITY MAP

SOURCE: INITIAL ASSESSMENT STUDY (ENVIRODYNE, 1983)



LEGEND

x——x FENCE LINE

PROPERTY BOUNDARY & FENCE LINE

UNDERGROUND STORAGE TANK

BUILDING

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FIGURE 2-1.

SITE MAP - TANK FARM FIVE

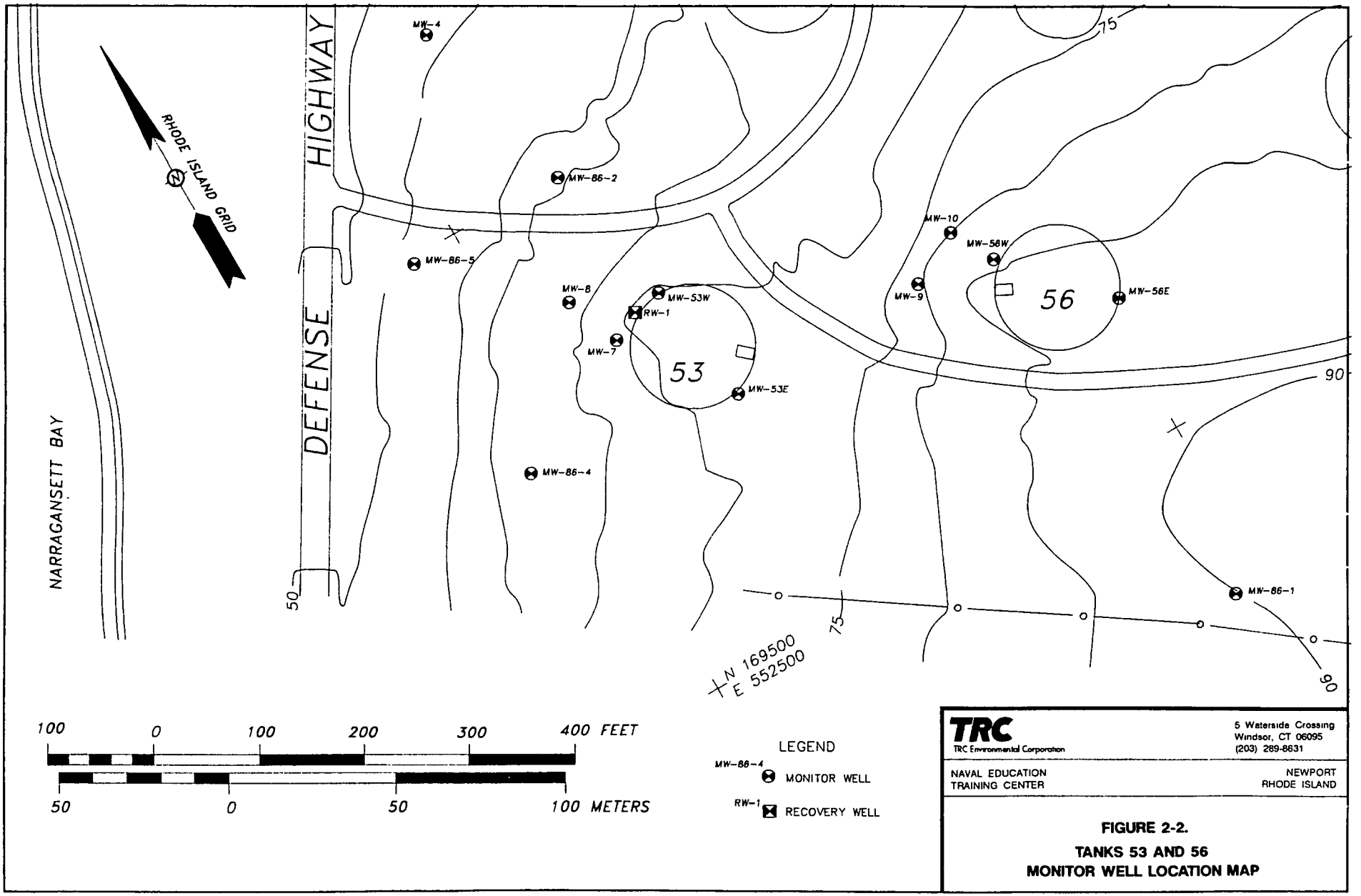

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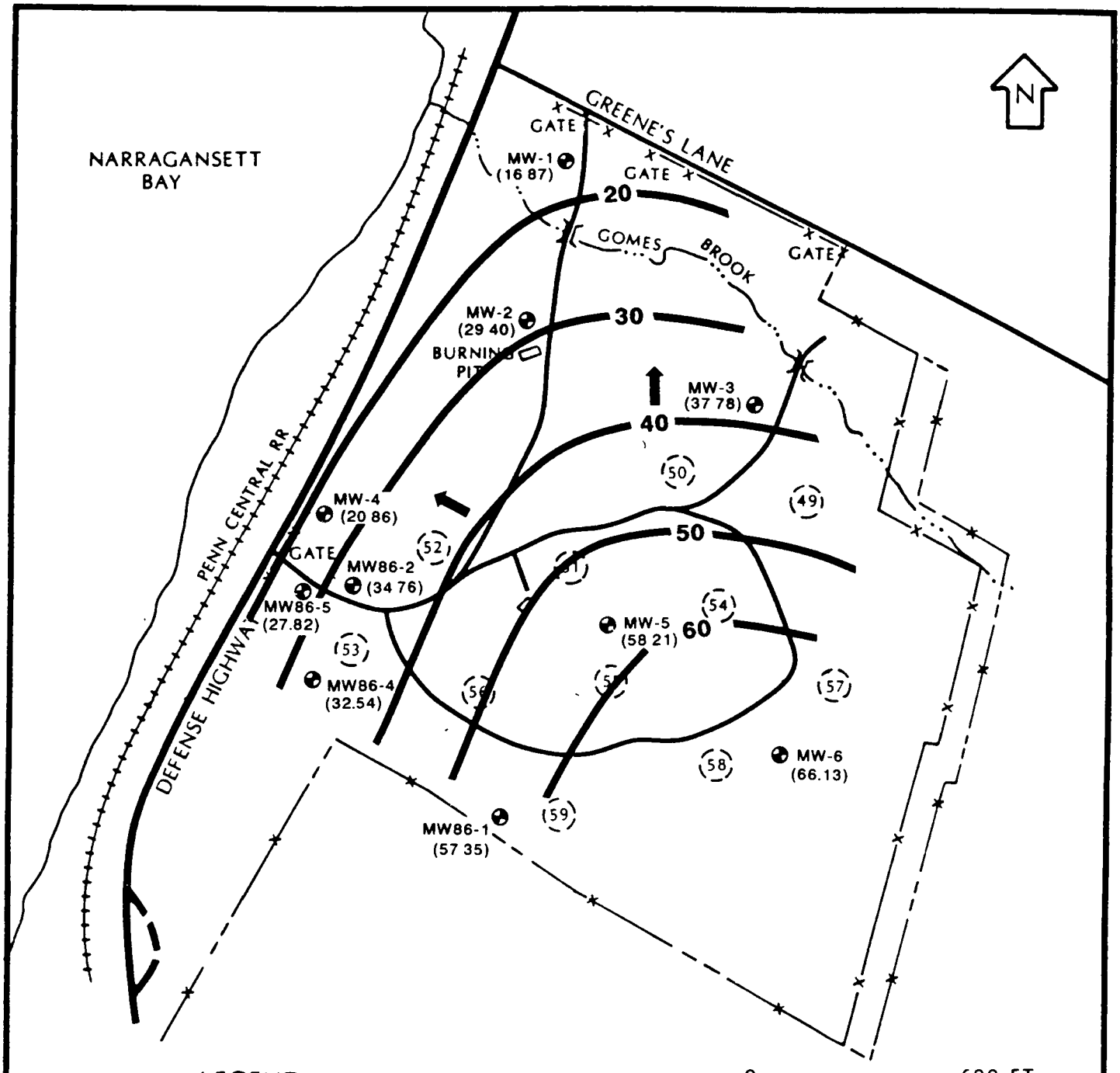
FIGURE 2-2.
TANKS 53 AND 56
MONITOR WELL LOCATION MAP



LEGEND

x———x FENCE LINE

PROPERTY BOUNDARY & FENCE LINE

UNDERGROUND STORAGE TANK

BUILDING

MW-6 (66.13) MONITOR WELL LOCATION AND WATER LEVEL ELEVATION ON 7/17/90 IN FEET ABOVE MEAN LOW WATER

—20— GROUND WATER ELEVATION CONTOUR IN FEET ABOVE MEAN LOW WATER

DIRECTION OF GROUND WATER GRADIEN

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NAVAL EDUCATION TRAINING CENTER — NEWPORT RHODE ISLAND

FIGURE 2-3.

GROUND WATER LEVEL CONTOUR MAP - TANK FARM FIVE 7/17/90

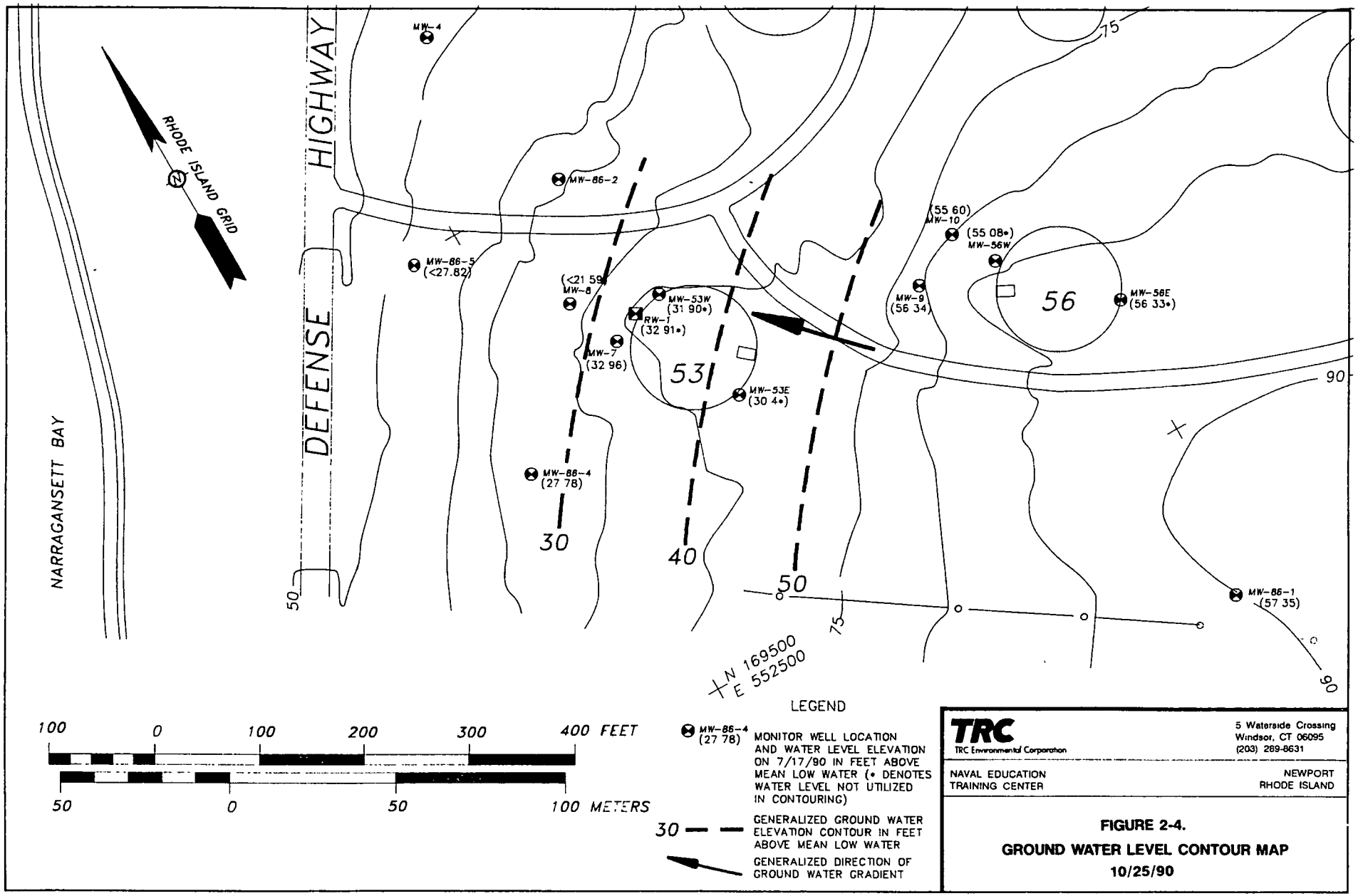
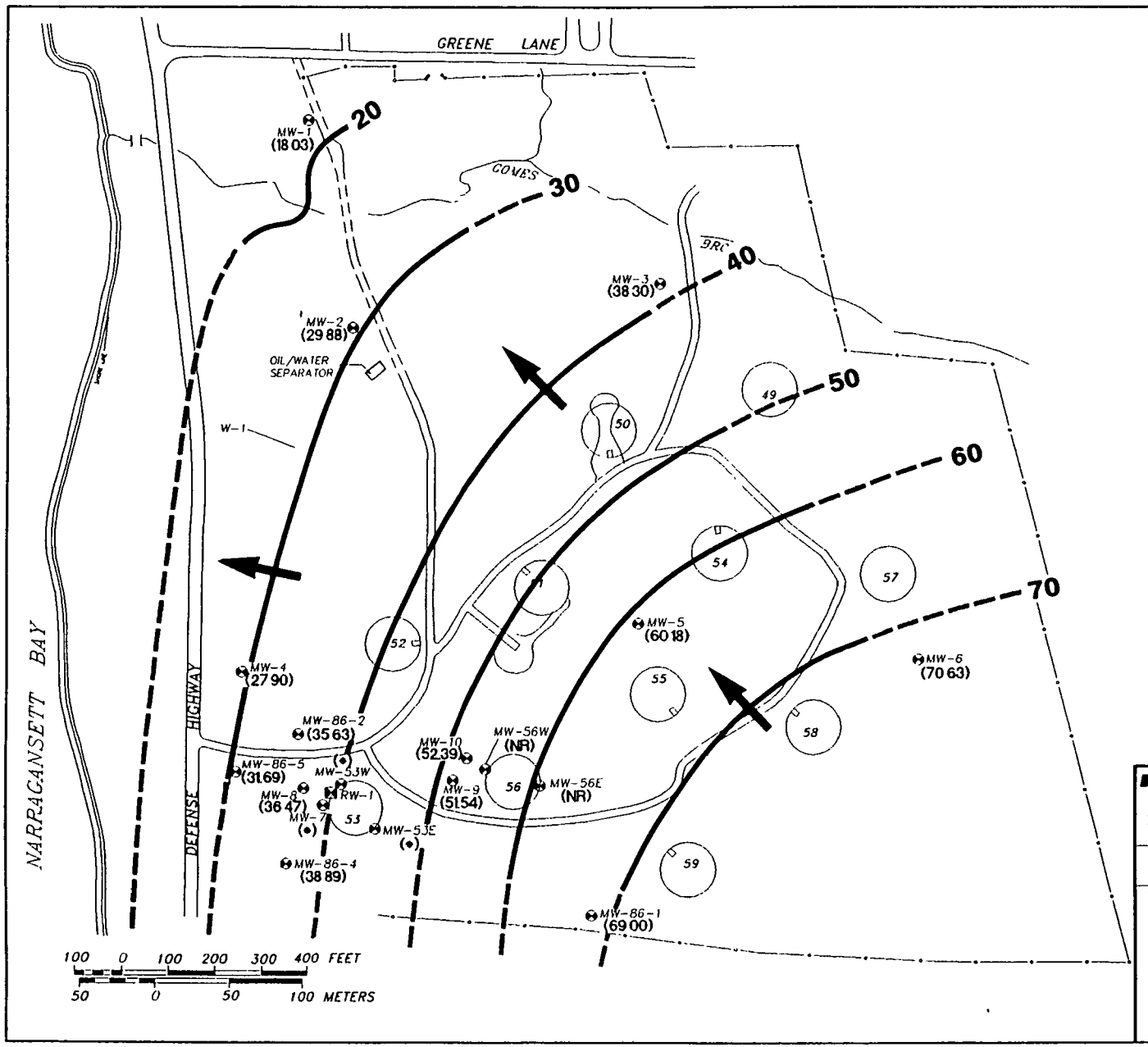


FIGURE 2-4.
GROUND WATER LEVEL CONTOUR MAP
10/25/90



LEGEND

MW-6 ⊖ MONITORING WELL LOCATION

(70 63) GROUND WATER ELEVATION (feet above mean low level)

—20 GROUND WATER CONTOUR

← GROUND WATER FLOW DIRECTION

NOTES

1 (DATUM) – MLW, MEAN LOW WATER

2 (•) WATER LEVEL NOT USED IN DEVELOPING SITE CONTOUR MAP

3 (NR) WATER LEVEL NOT RECORDED – DRY WELL

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FIGURE 3-1.

GROUND WATER TABLE CONTOUR MAP - TANK FARM FIVE

5/6/92

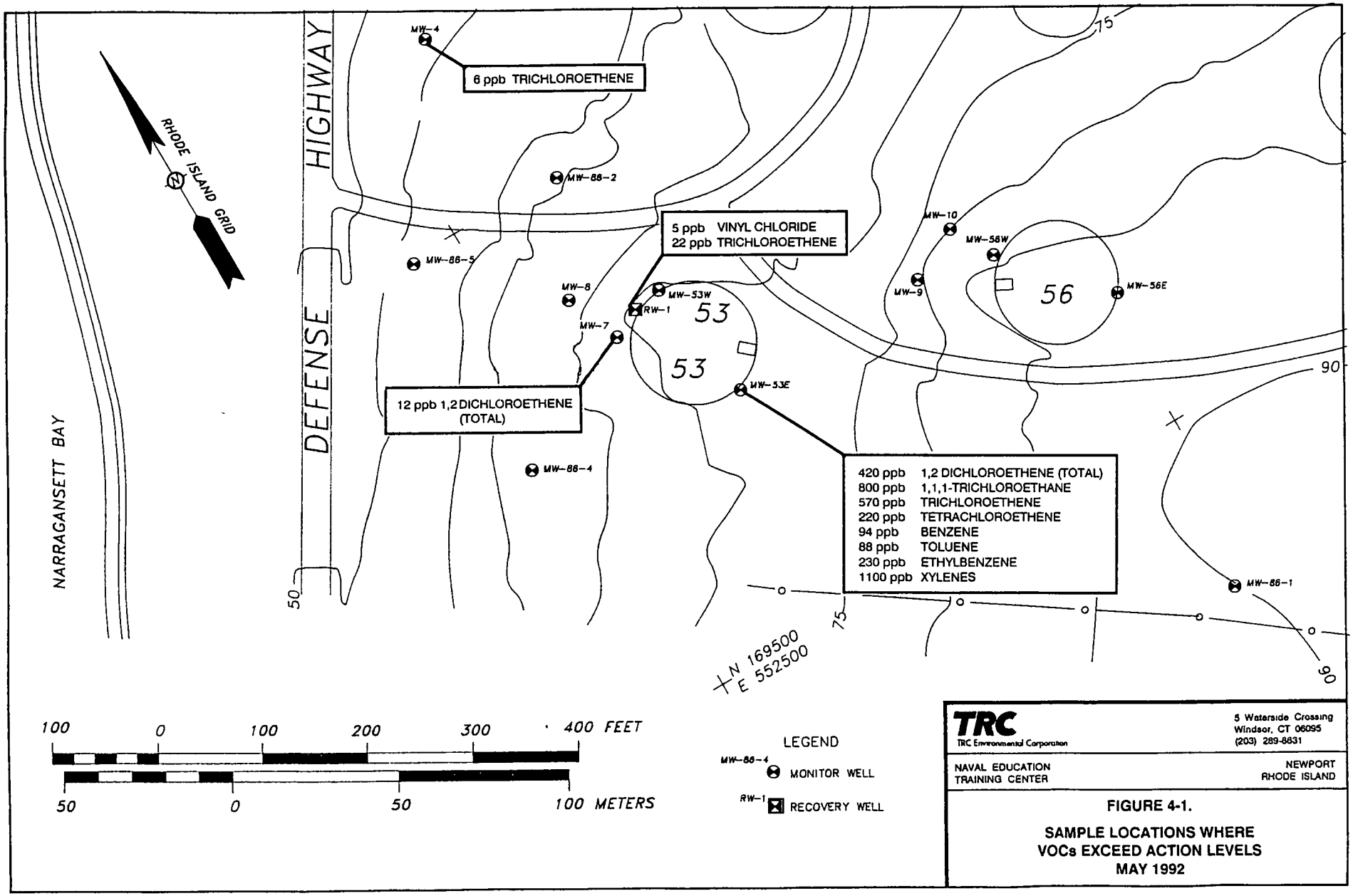

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FIGURE 4-1.

SAMPLE LOCATIONS WHERE VOCs EXCEED ACTION LEVELS MAY 1992

APPENDIX A

1A 0000033

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: AK5B05

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: DB624 ID: .53(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~2~~	~~JB~~ U 9
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	35	
540-59-0	1,2-Dichloroethene (total)	12	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	~~10~~	~~U~~ R 4
71-55-6	1,1,1-Trichloroethane	6	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	2	J

1E 000034

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: AK5B05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ Date Analyzed: 05/11/92

Column: (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634044	METHYL-T-BUTYLETHER	4.20	41	C

C: Response Factor from daily standard.

FORM 1 VOA-TIC 12/88 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: AK5B06

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: DB624 ID: .53(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~3~~ 10	~~JB~~ U 9
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	8	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	~~10~~	~~U~~ R 4
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 0050948

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: AK5B06

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: DB624 ID: .53(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0006054

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Ord r: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: AK5B07

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: DB624 ID: .53(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	~~1~~ U 9
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	~~10~~	~~U~~ R 4
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: AK5B07

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: DB624 ID: .53(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 000060 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Y051113

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~3~~	~~JB~~ U 9
67-64-1	Acetone	17	~~B~~ U 9
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 000961

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051113

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-TB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051114

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~9~~ 10	~~JB~~ U 9
67-64-1	Acetone	20	~~B~~ U 9
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 0000069

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051114

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051115

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~9~~ 1^	~~JB~~ U 4
67-64-1	Acetone	13	~~B~~ U 4
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051115

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051116

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~JB~~ U 9
67-64-1	Acetone	11	~~B~~ U 9
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-010

Sampl wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051116

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW11-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-011

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051117

L vel: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~105~~	~~JB~~ U 7
67-64-1	Acetone	18	~~B~~ U 7
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-FB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051118

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/11/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0000111

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TP5-TB2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051205

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~4~~	~~UB~~ U 9
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

000072

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051205

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

1A 0005116

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051206

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~JB~~ U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 0020119

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051206

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TP5-MW6-506MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MS

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051207

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	~~B~~ J 4
67-64-1	Acetone	10	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene		S
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

S: SPIKE COMPOUND

FORM 1 VOA

3/90

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MSD

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MSD

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051208

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~10~~ 9	~~JB~~ U 9
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene		S
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

S: SPIKE COMPOUND

FORM 1 VOA

3/90

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-TB3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-019

Sampl wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051209

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 9	~~JB~~ 9
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 000-0126

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-019

Sampl wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051209

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

S il Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

1A 000154 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-021

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051210

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	11	~~B~~ U 9
67-64-1	Acetone	14	U 10
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-021

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051210

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 000143 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-022

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Y051211

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	13	~~B~~ J
67-64-1	Acetone	11	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	5	J
67-66-3	Chloroform	5	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	6	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

9
10

1E 000144

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-022

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051211

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0000160

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-023

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051212

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	~~5~~ 10	~~JB~~ U 9
67-64-1	Acetone	16	U 10
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-023

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051212

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0080169 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-TB4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-024

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Y051213

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~B~~ U 9
67-64-1	Acetone	25	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-024

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Y051213

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000329

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: J052811

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	1	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	/0 ~~0.6~~	~~J~~ U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: J052811

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	~~JB~~ U 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2 3/90

000031

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER

Lab Sample ID: 9205L235-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J052811

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec. _____ dec.

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 05/28/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 0.500

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.13	4	J
2.	CYCLOHEXANOL	5.62	~~3~~	~~JB~~ R 2
3.	UNKNOWN	6.47	2	J
4.	C3 BENZENE	7.27	3	J
5.	C3 BENZENE	8.03	3	J
6.	AROMATIC	10.27	4	J
7.	PAH	12.88	5	J
8.	UNKNOWN	13.68	3	J
9.	AROMATIC	14.55	3	J
10.	ALKANE	15.05	2	J
11.	ALKANE	16.33	3	J
12.	ALKANE	16.93	4	J
13.	ALKANE	17.57	3	J
14.	ALKANE	17.62	3	J
15.	ALKANE	18.67	2	J
16.	ALKANE	18.77	4	J
17.	UNKNOWN	19.38	3	J
18.	ALKANE	19.58	2	J
19.	UNKNOWN	26.18	~~4~~	~~JB~~ R 2

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-002

Sample wt/vol: 990 (g/mL) ML Lab File ID: J052812

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-002

Sample wt/vol: 990 (g/mL) ML Lab File ID: J052812

L vel: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~5~~	~~JB~~ U 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~4~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-002

Sample wt/vol: 990 (g/mL) ML Lab File ID: J052812

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/28/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.55	~~100~~	~~JB~~ L 2
2.	UNKNOWN	5.67	~~3~~	~~JB~~ L 2
3.	UNKNOWN	8.62	3	J
4.	UNKNOWN	12.92	2	J
5.	UNKNOWN	20.85	20	J
6.	UNKNOWN	26.17	~~7~~	~~JB~~ L 2

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-003

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052813

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-003

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J052813

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Conc ntrated Extract Volume: 1000(uL)

Date Analyzed: 05/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	// 4	~~JB~~ U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	// ~~0.5~~	~~J~~ U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	44	~~B~~ U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER

Lab Sample ID: 9205L235-003

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J052813

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec. _____ dec.

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 05/28/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 0.500

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.83	4	J
2.	UNKNOWN	6.43	2	J
3.	UNKNOWN	18.72	8	J
4.	HYDROCARBON	19.43	4	J
5.	UNKNOWN	20.87	200	J
6.	UNKNOWN	22.58	20	J
7.	UNKNOWN	22.77	5	J
8.	UNKNOWN	24.42	7	J
9.	UNKNOWN	26.17	~~8~~	~~JB~~ 42
10.	UNKNOWN	27.17	10	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-004

Sample wt/vol: 880 (g/mL) ML

Lab File ID: J052814

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-004

Sample wt/vol: 880 (g/mL) ML

Lab File ID: J052814

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cl anup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	// ~~3~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	// ~~6~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F 000115

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-004

Sample wt/vol: 880 (g/mL) ML Lab File ID: J052814

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/28/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.53	~~20~~	~~JB~~ K2
2.	UNKNOWN	5.68	~~2~~	~~JB~~ K2
3.	UNKNOWN	8.63	2	J
4.	UNKNOWN	18.73	3	J
5.	HYDROCARBON	19.47	3	J
6.	UNKNOWN	20.87	200	J
7.	UNKNOWN	21.25	3	J
8.	UNKNOWN	22.10	6	J
9.	UNKNOWN	22.60	5	J
10.	UNKNOWN	22.78	4	J
11.	UNKNOWN	26.17	~~10~~	~~JB~~ K2

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-009

Sample wt/vol: 910 (g/mL) ML

Lab File ID: J052903

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1C 000139 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-009

Sampl wt/vol: 910 (g/mL) ML Lab File ID: J052903

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cl anup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~9~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~9~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW2-506

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-009

Sample wt/vol: 910 (g/mL) ML Lab File ID: J052903

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.53	~~6~~	~~JB~~ 2
2.	UNKNOWN	5.68	~~4~~	~~JB~~ 2
3.	UNKNOWN	8.63	3	J
4.	UNKNOWN	18.53	2	J
5.	UNKNOWN	26.17	~~7~~	~~JB~~ 2

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-010

Sample wt/vol: 910 (g/mL) ML

Lab File ID: J052904

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-010

Sample wt/vol: 910 (g/mL) ML

Lab File ID: J052904

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~5~~	~~JB~~ U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~6~~	~~JB~~ U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

0009159

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-010

Sample wt/vol: 910 (g/mL) ML Lab File ID: J052904

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 5

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.50	~~7~~	~~UB~~ R 2
2.	UNKNOWN	5.65	~~4~~	~~JB~~ R 2
3.	UNKNOWN	5.82	3	J
4.	UNKNOWN	8.58	4	J
5.	UNKNOWN	26.13	~~7~~	~~UB~~ R 2

1B 0 0 5 0 1 7 6 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW11-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-011

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052905

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW11-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-011

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J052905

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~1~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW11-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-011

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052905

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.53	~~3~~	~~JB~~ 12
2.	UNKNOWN	8.63	3	J
3.	UNKNOWN	18.53	2	J

FORM 1 SV-TIC 12/88 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-FB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-012

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J052906

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C 000194 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-FB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-012

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052906

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ J
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~3~~	~~JB~~ J
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-FB1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-012

Sampl wt/vol: 940 (g/mL) ML Lab File ID: J052906

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.12	6	J
2.	CYCLOHEXANOL	5.58	~~1~~	~~JB~~ R 2
3.	UNKNOWN	5.83	2	J
4.	UNKNOWN	6.43	3	J
5.	UNKNOWN	20.85	20	J
6.	UNKNOWN	26.17	~~10~~	~~JB~~ R 2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-018

Sample wt/vol: 900 (g/mL) ML Lab File ID: J052907

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Conc ntrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Inj ction Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018

Sample wt/vol: 900 (g/mL) ML

Lab File ID: J052907

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~2~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER

Lab Sample ID: 9205L235-018

Sample wt/vol: 900 (g/mL) ML

Lab File ID: J052907

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: not dec. _____ dec.

Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0

Dilution Factor: 0.500

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.53	~~6~~	~~JB~~ K 2
2.	UNKNOWN	15.83	2	J
3.	UNKNOWN	20.87	3	J
4.	UNKNOWN	26.17	~~6~~	~~JB~~ K 2

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-018 MS

Sample wt/vol: 910 (g/mL) ML Lab File ID: J052908

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol		SP
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol		SP
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene		SP
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine		SP
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene		SP
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol		SP
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	0.6	J
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene		SP

SP: SPIKE COMPOUND

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MS

Sample wt/vol: 910 (g/mL) ML

Lab File ID: J052908

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol		SP
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene		SP
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol		SP
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ J 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene		SP
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~2~~	~~JB~~ J 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

SP: SPIKE COMPOUND

FORM 1 SV-2

3/90

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-018 MSD

Sample wt/vol: 930 (g/mL) ML Lab File ID: J052909

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol		SP
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol		SP
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene		SP
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine		SP
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene		SP
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol		SP
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	1	J
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene		SP

SP: SPIKE COMPOUND

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MSD

Sampl wt/vol: 930 (g/mL) ML

Lab File ID: J052909

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol		SP
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene		SP
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol		SP
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene		SP
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~3~~	~~JB~~ U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

SP: SPIKE COMPOUND

FORM 1 SV-2

3/90

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-021

Sample wt/vol: 930 (g/mL) ML

Lab File ID: J052910

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW1-506

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-021

Sample wt/vol: 930 (g/mL) ML

Lab File ID: J052910

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~2~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F 0 0 0 0 2 3 3

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW1-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-021

Sample wt/vol: 930 (g/mL) ML Lab File ID: J052910

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.52	~~40~~	~~JB~~ 2
2.	PAH	13.96	4	J
3.	UNKNOWN	18.53	3	J
4.	UNKNOWN	26.16	~~6~~	~~JB~~ 2

1B 070249 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-022

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052911

Lev 1: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-022

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J052911

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~3~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~4~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-022

Sample wt/vol: 940 (g/mL) ML Lab File ID: J052911

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 18

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.52	4	~~JB~~ RL
2.	UNKNOWN	8.62	4	J
3.	UNKNOWN	18.72	20	J
4.	UNKNOWN	19.32	2	J
5.	UNKNOWN	19.47	5	J
6.	UNKNOWN	20.42	3	J
7.	UNKNOWN	20.87	200	J
8.	UNKNOWN	20.98	4	J
9.	UNKNOWN	21.03	3	J
10.	UNKNOWN	21.23	4	J
11.	UNKNOWN	21.38	4	J
12.	UNKNOWN	21.58	2	J
13.	UNKNOWN	22.08	7	J
14.	UNKNOWN	22.57	7	J
15.	UNKNOWN	22.77	10	J
16.	UNKNOWN	24.53	4	J
17.	UNKNOWN	24.83	6	J
18.	UNKNOWN	26.17	~~20~~	~~JB~~ RL

1B 0 0 5 0 2 8 1 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L235-023

Sample wt/vol: 910 (g/mL) ML Lab File ID: J052912

L vel: (low/med) LOW Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/29/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-023

Sample wt/vol: 910 (g/mL) ML

Lab File ID: J052912

Level: (low/med) LOW

Date Received: 05/07/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 05/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~2~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~1~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: WATER Lab Sample ID: 9205L235-023

Sample wt/vol: 910 (g/mL) ML Lab File ID: J052912

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. _____ dec. Date Extracted: 05/11/92

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 05/29/92

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 0.500

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXANOL	5.53	~~20~~	~~JB~~ R 2
2.	UNKNOWN	5.67	~~5~~	~~JB~~ R 2
3.	UNKNOWN	8.63	3	J
4.	PAH	13.97	2	J
5.	UNKNOWN	18.53	4	J
6.	UNKNOWN	26.17	~~4~~	~~JB~~ R 2

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW7-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-001

Sample wt/vol: 930 (g/mL) ML

Lab File ID: 05169235.49

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

C ncentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	~~0.011~~ 0.057	~~U~~ U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.054	U
5103-74-2	gamma-Chlordane	0.054	U
8001-35-2	Toxaphene	5.4	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

DDR 6/1/92

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW861-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-002

Sample wt/vol: 930 (g/mL) ML

Lab File ID: 05219235.20

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.054	U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.054	U
5103-74-2	gamma-Chlordane	0.054	U
8001-35-2	Toxaphene	5.4	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW864-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-003

Sample wt/vol: 930 (g/mL) ML

Lab File ID: 05169235.55

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.054	U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.054	U
5103-74-2	gamma-Chlordane	0.054	U
8001-35-2	Toxaphene	5.4	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW865-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-004

Sample wt/vol: 860 (g/mL) ML

Lab File ID: 05169235.56

% Moisture: decanted: (Y/N)

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.058	U
319-85-7	Beta-BHC	0.058	U
319-86-8	Delta-BHC	0.058	U
58-89-9	gamma-BHC (Lindane)	0.058	U
76-44-8	Heptachlor	0.058	U
309-00-2	Aldrin	0.058	U
1024-57-3	Heptachlor epoxide	0.058	U
959-98-8	Endosulfan I	0.058	U
60-57-1	Dieldrin	0.12	U
72-55-9	4,4'-DDE	0.12	U
72-20-8	Endrin	0.12	U
33213-65-9	Endosulfan II	0.12	U
72-54-8	4,4'-DDD	0.12	U
1031-07-8	Endosulfan sulfate	0.12	U
50-29-3	4,4'-DDT	0.12	U
72-43-5	Methoxychlor	0.58	U
53494-70-5	Endrin ketone	0.12	U
7421934	Endrin aldehyde	0.12	U
5103-71-9	alpha-Chlordane	0.058	U
5103-74-2	gamma-Chlordane	0.058	U
8001-35-2	Toxaphene	5.8	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	2.3	U
11141-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW2-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-009

Sample wt/vol: 910 (g/mL) ML

Lab File ID: 05169235.57

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.055	U
319-85-7	Beta-BHC	0.055	U
319-86-8	Delta-BHC	0.055	U
58-89-9	gamma-BHC (Lindane)	0.055	U
76-44-8	Heptachlor	0.055	U
309-00-2	Aldrin	0.055	U
1024-57-3	Heptachlor epoxide	0.055	U
959-98-8	Endosulfan I	0.055	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.55	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.055	U
5103-74-2	gamma-Chlordane	0.055	U
8001-35-2	Toxaphene	5.5	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW3-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-010

Sample wt/vol: 900 (g/mL) ML

Lab File ID: 05169235.58

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.056	U
319-85-7	Beta-BHC	0.056	U
319-86-8	Delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.056	U
5103-74-2	gamma-Chlordane	0.056	U
8001-35-2	Toxaphene	5.6	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW11-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-011

Sample wt/vol: 900 (g/mL) ML

Lab File ID: 05169235.59

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.056	U
319-85-7	Beta-BHC	0.056	U
319-86-8	Delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.011	~~JP~~
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.056	U
5103-74-2	gamma-Chlordane	0.056	U
8001-35-2	Toxaphene	5.6	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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FORM 1 PEST 03/90

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-FB1-506

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-012

Sample wt/vol: 920 (g/mL) ML

Lab File ID: 05219235.11

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.054	U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.054	U
5103-74-2	gamma-Chlordane	0.054	U
8001-35-2	Toxaphene	5.4	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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FORM 1 PEST 03/90

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018

Sample wt/vol: 970 (g/mL) ML

Lab File ID: 05169235.61

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 05/20/92

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW1-506

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-021

Sample wt/vol: 930 (g/mL) ML

Lab File ID: 05219235.17

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.054	U
319-85-7	Beta-BHC	0.054	U
319-86-8	Delta-BHC	0.054	U
58-89-9	gamma-BHC (Lindane)	0.054	U
76-44-8	Heptachlor	0.054	U
309-00-2	Aldrin	0.054	U
1024-57-3	Heptachlor epoxide	0.054	U
959-98-8	Endosulfan I	0.054	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.54	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.054	U
5103-74-2	gamma-Chlordane	0.054	U
8001-35-2	Toxaphene	5.4	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

JER 6/2/92

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW4-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-022

Sample wt/vol: 970 (g/mL) ML

Lab File ID: 05219235.18

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

DOR 6/2/92

FORM 1 PEST 03/90

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW5-506

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-023

Sample wt/vol: 970 (g/mL) ML

Lab File ID: 05219235.19

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	0.052	U
76-44-8	Heptachlor	0.052	U
309-00-2	Aldrin	0.052	U
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MS

Sample wt/vol: 950 (g/mL) ML

Lab File ID: 05219235.15

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	142	%
76-44-8	Heptachlor	98.0	%
309-00-2	Aldrin	86.0	%
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	129	%
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	151	%
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	93.0	%
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

DEP 6/1/92

%: SPIKE COMPOUND FORM 1 PEST 03/90

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW6-506MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L235-018 MSD

Sample wt/vol: 950 (g/mL) ML

Lab File ID: 05219235.16

% Moisture: decanted: (Y/N)_

Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/11/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 05/22/92

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.052	U
319-85-7	Beta-BHC	0.052	U
319-86-8	Delta-BHC	0.052	U
58-89-9	gamma-BHC (Lindane)	150	%
76-44-8	Heptachlor	104	%
309-00-2	Aldrin	88.0	%
1024-57-3	Heptachlor epoxide	0.052	U
959-98-8	Endosulfan I	0.052	U
60-57-1	Dieldrin	134	%
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	154	%
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	95.0	%
72-43-5	Methoxychlor	0.52	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.052	U
5103-74-2	gamma-Chlordane	0.052	U
8001-35-2	Toxaphene	5.2	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.1	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

JER 6/2/92

%: SPIKE COMPOUND

FORM 1 PEST

03/90

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523501

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	18.70		N	F
7440-39-3	Barium	54.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	17900.00			P
7440-47-3	Chromium	27.90			P
7440-48-4	Cobalt	35.10	B		P
7440-50-8	Copper	33.60			P
7439-89-6	Iron	80100.00			P
7439-92-1	Lead	40.30		NS*	F
7439-95-4	Magnesium	11300.00			P
7439-96-5	Manganese	6630.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	64.50			P
7440-09-7	Potassium	1750.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	5800.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	102.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW861

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523502

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16900.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	57.20		N	F
7440-39-3	Barium	51.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	16400.00			P
7440-47-3	Chromium	30.40			P
7440-48-4	Cobalt	171.00			P
7440-50-8	Copper	63.40			P
7439-89-6	Iron	72200.00			P
7439-92-1	Lead	24.60		NS*	F
7439-95-4	Magnesium	16700.00			P
7439-96-5	Manganese	3100.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	116.00			P
7440-09-7	Potassium	1600.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	9230.00			P
7440-28-0	Thallium	20.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	190.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW864

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523503

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17400.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	16.20		N	F
7440-39-3	Barium	22.70	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	6000.00			P
7440-47-3	Chromium	30.40			P
7440-48-4	Cobalt	16.70	B		P
7440-50-8	Copper	34.20			P
7439-89-6	Iron	44700.00			P
7439-92-1	Lead	16.90		NS*	F
7439-95-4	Magnesium	7000.00			P
7439-96-5	Manganese	263.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	27.40	B		P
7440-09-7	Potassium	1330.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	8700.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	12.40	B		P
7440-66-6	Zinc	83.80			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW865

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523504

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	136000.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	102.00		N	F
7440-39-3	Barium	155.00	B		P
7440-41-7	Beryllium	2.80	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25400.00			P
7440-47-3	Chromium	278.00			P
7440-48-4	Cobalt	342.00			P
7440-50-8	Copper	332.00			P
7439-89-6	Iron	350000.00			P
7439-92-1	Lead	124.00		N*	F
7439-95-4	Magnesium	45100.00			P
7439-96-5	Manganese	1790.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	372.00			P
7440-09-7	Potassium	4150.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	24.30			P
7440-23-5	Sodium	8110.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	39.10	B		P
7440-66-6	Zinc	873.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523506

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	82.20	B		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	13.00		N	F
7440-39-3	Barium	22.10	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	29300.00			P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	8.10	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	48000.00			P
7439-92-1	Lead	2.00	U	NW*	P
7439-95-4	Magnesium	12200.00			P
7439-96-5	Manganese	10800.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	2260.00	B		P
7782-49-2	Selenium	2.00	U	N	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10700.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	6.00	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW861-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523507

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	368.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U	N	F
7440-39-3	Barium	7.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	6.50			P
7440-70-2	Calcium	16200.00			P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	36.30	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	1170.00			P
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F
7439-95-4	Magnesium	13000.00			P
7439-96-5	Manganese	721.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	40.10			P
7440-09-7	Potassium	1030.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	9510.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	23.30			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW864-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523508

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	105.00	B		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U	N	F
7440-39-3	Barium	7.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	4660.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.00	U		P
7440-50-8	Copper	8.30	B		P
7439-89-6	Iron	30.00	U		P
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F
7439-95-4	Magnesium	2100.00	B		P
7439-96-5	Manganese	19.70			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	896.00	U		P
7782-49-2	Selenium	2.00	U	N	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	8960.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	9.90	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523509

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	73300.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	36.30		N	F
7440-39-3	Barium	90.80	B		P
7440-41-7	Beryllium	2.10	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	45600.00			P
7440-47-3	Chromium	138.00			P
7440-48-4	Cobalt	55.70			P
7440-50-8	Copper	48.70			P
7439-89-6	Iron	265000.00			P
7439-92-1	Lead	57.00		N*	F
7439-95-4	Magnesium	52100.00			P
7439-96-5	Manganese	3310.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	140.00			P
7440-09-7	Potassium	4680.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	18.90			P
7440-23-5	Sodium	16100.00			P
7440-28-0	Thallium	20.00	U	N	F
7440-62-2	Vanadium	11.90	B		P
7440-66-6	Zinc	386.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523510

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22200.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	25.50		N	F
7440-39-3	Barium	43.60	B		P
7440-41-7	Beryllium	1.00			P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	37100.00			P
7440-47-3	Chromium	44.50			P
7440-48-4	Cobalt	40.80	B		P
7440-50-8	Copper	13.40	B		P
7439-89-6	Iron	115000.00			P
7439-92-1	Lead	28.10		NS*	F
7439-95-4	Magnesium	35300.00			P
7439-96-5	Manganese	2830.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	71.00			P
7440-09-7	Potassium	1190.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	6830.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	218.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523511

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15500.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	54.50		NS	F
7440-39-3	Barium	60.30	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	28700.00			P
7440-47-3	Chromium	62.00			P
7440-48-4	Cobalt	25.40	B		P
7440-50-8	Copper	57.90			P
7439-89-6	Iron	130000.00			P
7439-92-1	Lead	52.50		NS*	F
7439-95-4	Magnesium	14700.00			P
7439-96-5	Manganese	1700.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	74.60			P
7440-09-7	Potassium	3130.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	11.20			P
7440-23-5	Sodium	46600.00			P
7440-28-0	Thallium	20.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	184.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN 03/90

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB1

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523512

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U	N	F
7440-39-3	Barium	7.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	147.00	B		P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.00	U		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	55.00	B		P
7439-92-1	Lead	~~2.00~~	~~U~~	~~N*~~	F
7439-95-4	Magnesium	69.00	U		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	896.00	U		P
7782-49-2	Selenium	2.00	U	N	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	358.00	B		P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	6.00	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523514

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62.00	B		P	
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	
7440-39-3	Barium	7.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	30700.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	30.00	U		P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	
7439-95-4	Magnesium	23500.00			P	
7439-96-5	Manganese	3.20	B		P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	2090.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	15800.00			P	
7440-28-0	Thallium	2.00	U	N	F	
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523515

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	56.40	B		P	U1
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.40	B	N	F	J4
7440-39-3	Barium	7.50	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	32700.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	3910.00			P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	R3
7439-95-4	Magnesium	26800.00			P	
7439-96-5	Manganese	1180.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	986.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	[illegible]
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	7000.00			P	
7440-28-0	Thallium	2.00	U	N	F	[illegible]
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.90	B		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523516

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	63.60	B		P	
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	
7440-39-3	Barium	7.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	17900.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	1360.00			P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	
7439-95-4	Magnesium	5610.00			P	
7439-96-5	Manganese	152.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	1800.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	51400.00			P	
7440-28-0	Thallium	2.00	U	NW	F	
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523517

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	60.00	B		P	U1
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	UJ4
7440-39-3	Barium	7.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	62.00	U		P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	30.00	U		P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~N*~~	F	[illegible]
7439-95-4	Magnesium	69.00	U		P	
7439-96-5	Manganese	2.00	U		P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	896.00	U		P	
7782-49-2	Selenium	2.00	U	N	F	UJ4
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	117.00	U		P	
7440-28-0	Thallium	2.00	U	N	F	UJ4
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523518

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	12.80		N	F
7440-39-3	Barium	49.30	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	18000.00			P
7440-47-3	Chromium	17.30			P
7440-48-4	Cobalt	23.50	B		P
7440-50-8	Copper	21.80	B		P
7439-89-6	Iron	33500.00			P
7439-92-1	Lead	13.50		NS*	F
7439-95-4	Magnesium	23400.00			P
7439-96-5	Manganese	1300.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	36.40	B		P
7440-09-7	Potassium	896.00	U		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	7870.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	12.80	B		P
7440-66-6	Zinc	71.20			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW6 S

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix: WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	14919.6000		11452.6000		2000.00	173.3		P
Antimony	75-125	440.2000		36.0000	U	500.00	88.0		P
Arsenic	75-125	36.6000		12.8000		40.00	59.5	N	F
Barium	75-125	1785.5000		49.3000	B	2000.00	86.8		P
Beryllium	75-125	44.0000		1.0000	U	50.00	88.0		P
Cadmium	75-125	44.9000		4.0000	U	50.00	89.8		P
Calcium									NR
Chromium	75-125	193.6000		17.3000		200.00	88.1		P
Cobalt	75-125	462.1001		23.5000	B	500.00	87.7		P
Copper	75-125	241.4000		21.8000	B	250.00	87.8		P
Iron	75-125	35983.1000		33451.3000		1000.00	253.2		P
Lead	75-125	16.8000		13.5000		20.00	16.5	N	F
Magnesium									NR
Manganese	75-125	1781.9000		1297.9000		500.00	96.8		P
Mercury	75-125	1.1390		.1000	U	1.00	113.9		CV
Nickel	75-125	457.8999		36.4000	B	500.00	84.3		P
Potassium									NR
Selenium	75-125	6.7000		2.0000	U	10.00	67.0	N	F
Silver	75-125	40.8000		8.0000	U	50.00	81.6		P
Sodium									NR
Thallium	75-125	35.3000		2.0000	U	50.00	70.6	N	F
Vanadium	75-125	458.6001		12.8000	B	500.00	89.2		P
Zinc	75-125	502.8999		71.2000		500.00	86.3		P
Cyanide									NR

Comments:

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6
DUPLICATES

EPA SAMPLE NO.

MW6	D

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (water/soil): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	%RPD	Q	M
Aluminum		11452.6000		11410.9000		.4		P
Antimony		36.0000	U	36.0000	U			P
Arsenic	10.0	12.8000		14.2000		10.4		F
Barium		49.3000	B	48.7000	B	1.2		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		4.0000	U	4.0000	U			P
Calcium	5000.0	17972.0000		18669.2000		3.8		P
Chromium	10.0	17.3000		18.8000		8.3		P
Cobalt		23.5000	B	25.4000	B	7.8		P
Copper		21.8000	B	23.0000	B	5.4		P
Iron		33451.3000		34013.8000		1.7		P
Lead	3.0	13.5000		10.3000		26.9	*	F
Magnesium	5000.0	23425.1000		24299.5000		3.7		P
Manganese		1297.9000		1349.5000		3.9		P
Mercury		.1000	U	.1000	U			CV
Nickel		36.4000	B	34.2000	B	6.2		P
Potassium		896.0000	U	896.0000	U			P
Selenium		2.0000	U	2.3000	B	200.0		F
Silver		8.0000	U	8.0000	U			P
Sodium	5000.0	7869.6990		8184.6990		3.9		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		12.8000	B	12.3000	B	4.0		P
Zinc	20.0	71.2000		67.3000		5.6		P
Cyanide								NR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523520

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62.80	B		P	
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	
7440-39-3	Barium	7.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	18000.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	37.50	B		P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	
7439-95-4	Magnesium	21300.00			P	
7439-96-5	Manganese	330.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	896.00	U		P	
7782-49-2	Selenium	2.00	U	NW	F	
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	8200.00			P	
7440-28-0	Thallium	2.00	U	N	F	
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN 03/90

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW6-5 S

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix: WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1952.7000		62.8000	B	2000.00	94.5		P
Antimony	75-125	531.8999		36.0000	U	500.00	106.4		P
Arsenic	75-125	28.0000		2.0000	U	40.00	70.0	N	F
Barium	75-125	1937.3000		7.0000	U	2000.00	96.9		P
Beryllium	75-125	47.8000		1.0000	U	50.00	95.6		P
Cadmium	75-125	51.7000		4.0000	U	50.00	103.4		P
Calcium									NR
Chromium	75-125	186.3000		7.0000	U	200.00	93.2		P
Cobalt	75-125	481.6001		7.0000	U	500.00	96.3		P
Copper	75-125	240.1000		7.0000	U	250.00	96.0		P
Iron	75-125	970.8999		37.5000	B	1000.00	93.3		P
Lead	75-125	13.3000		2.0000	U	20.00	66.5	N	F
Magnesium									NR
Manganese	75-125	818.3000		330.1001		500.00	97.6		P
Mercury	75-125	1.0940		.1000	U	1.00	109.4		CV
Nickel	75-125	467.8999		18.0000	U	500.00	93.6		P
Potassium									NR
Selenium	75-125	7.1000		2.0000	U	10.00	71.0	N	F
Silver	75-125	45.8000		8.0000	U	50.00	91.6		P
Sodium									NR
Thallium	75-125	50.7000		2.0000	U	50.00	101.4		F
Vanadium	75-125	494.8000		5.0000	U	500.00	99.0		P
Zinc	75-125	481.3999		6.0000	U	500.00	96.3		P
Cyanide									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MW6-5 D

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (water/soil): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	%RPD	Q	M
Aluminum		62.8000	B	58.9000	B	6.4		P
Antimony		36.0000	U	36.0000	U			P
Arsenic		2.0000	U	2.0000	U			F
Barium		7.0000	U	7.0000	U			P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		4.0000	U	4.0000	U			P
Calcium	5000.0	18041.0000		18137.9000		.5		P
Chromium		7.0000	U	7.0000	U			P
Cobalt		7.0000	U	7.0000	U			P
Copper		7.0000	U	7.0000	U			P
Iron		37.5000	B	30.0000	U	200.0		P
Lead		2.0000	U	2.0000	U			F
Magnesium	5000.0	21302.5000		21420.6000		.6		P
Manganese		330.1001		331.7000		.5		P
Mercury		.1000	U	.1000	U			CV
Nickel		18.0000	U	18.0000	U			P
Potassium		896.0000	U	896.0000	U			P
Selenium		2.0000	U	2.0000	U			F
Silver		8.0000	U	8.0000	U			P
Sodium	5000.0	8201.8980		8306.8010		1.3		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		5.0000	U	5.0000	U			P
Zinc		6.0000	U	6.0000	U			P
Cyanide								NR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523521

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10200.00			P	
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	38.50		N	F	54
7440-39-3	Barium	48.90	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	22500.00			P	
7440-47-3	Chromium	42.20			P	
7440-48-4	Cobalt	22.00	B		P	
7440-50-8	Copper	40.00			P	
7439-89-6	Iron	121000.00			P	
7439-92-1	Lead	38.80		NS*	F	7.25
7439-95-4	Magnesium	12200.00			P	
7439-96-5	Manganese	1470.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	52.20			P	
7440-09-7	Potassium	2110.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	0.94
7440-22-4	Silver	8.10	B		P	
7440-23-5	Sodium	42400.00			P	
7440-28-0	Thallium	20.00	U	N	F	0.72
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	156.00			P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW4

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523522

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1870.00			P	
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	28.60		N	F	J4
7440-39-3	Barium	25.60	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	29800.00			P	
7440-47-3	Chromium	10.60			P	
7440-48-4	Cobalt	12.00	B		P	
7440-50-8	Copper	12.40	B		P	
7439-89-6	Iron	14600.00			P	
7439-92-1	Lead	3.30		NW*	F	J3,5,6
7439-95-4	Magnesium	24300.00			P	
7439-96-5	Manganese	154.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	19.50	B		P	
7440-09-7	Potassium	1700.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	UJ6
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	18000.00			P	
7440-28-0	Thallium	2.00	U	N	F	UJ4
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	40.60			P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523523

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31800.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	71.20		N	F
7440-39-3	Barium	138.00	B		P
7440-41-7	Beryllium	1.30	B		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	69400.00			P
7440-47-3	Chromium	72.20			P
7440-48-4	Cobalt	164.00			P
7440-50-8	Copper	68.20			P
7439-89-6	Iron	109000.00			P
7439-92-1	Lead	27.50		NS*	F
7439-95-4	Magnesium	62700.00			P
7439-96-5	Manganese	6800.00			P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	137.00			P
7440-09-7	Potassium	4030.00	B		P
7782-49-2	Selenium	2.00	U	NW	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	7860.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	15.50	B		P
7440-66-6	Zinc	245.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523525

L vel (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	67.80	B		P	U1
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	J4
7440-39-3	Barium	7.00	U		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	18600.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	679.00			P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	R5
7439-95-4	Magnesium	5640.00			P	
7439-96-5	Manganese	96.40			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	2260.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	[illegible]
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	54100.00			P	
7440-28-0	Thallium	2.00	U	NW	F	[illegible]
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW4-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523526

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	94.20	B		P	U1
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.80	B	N	F	J4
7440-39-3	Barium	7.30	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	30800.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	7.00	U		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	54.70	B		P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	K3
7439-95-4	Magnesium	25400.00			P	
7439-96-5	Manganese	19.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	18.00	U		P	
7440-09-7	Potassium	2120.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	J4
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	18000.00			P	
7440-28-0	Thallium	2.00	U	N	F	J4
7440-62-2	Vanadium	5.00	U		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5-5

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP235

Matrix (soil/water): WATER Lab Sample ID: 920523527

Level (low/med): LOW Date Received: 5/07/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	80.60	B		P	U1
7440-36-0	Antimony	36.00	U		P	
7440-38-2	Arsenic	2.00	U	N	F	UJ4
7440-39-3	Barium	22.30	B		P	
7440-41-7	Beryllium	1.00	U		P	
7440-43-9	Cadmium	4.00	U		P	
7440-70-2	Calcium	65000.00			P	
7440-47-3	Chromium	7.00	U		P	
7440-48-4	Cobalt	8.60	B		P	
7440-50-8	Copper	7.00	U		P	
7439-89-6	Iron	693.00			P	
7439-92-1	Lead	~~2.00~~	~~U~~	~~NW*~~	F	R3
7439-95-4	Magnesium	54900.00			P	
7439-96-5	Manganese	789.00			P	
7439-97-6	Mercury	.10	U		CV	
7440-02-0	Nickel	19.70	B		P	
7440-09-7	Potassium	3030.00	B		P	
7782-49-2	Selenium	2.00	U	NW	F	UJ6
7440-22-4	Silver	8.00	U		P	
7440-23-5	Sodium	8120.00			P	
7440-28-0	Thallium	2.00	U	N	F	UJ4
7440-62-2	Vanadium	9.90	B		P	
7440-66-6	Zinc	6.00	U		P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A 000030 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W051213

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~9~~	~~JB~~ U 6
67-64-1	Acetone	10 ~~5~~	~~JB~~ U 6
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	6	J
540-59-0	1,2-Dichloroethene (total)	19	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	8	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	6	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051213

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 000047

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051309

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	50	U	
74-83-9	Bromomethane	50	U	
75-01-4	Vinyl Chloride	50	U	
75-00-3	Chloroethane	50	U	
75-09-2	Methylene Chloride	74	~~B~~ J	✓
67-64-1	Acetone	44	~~JB~~ J	✓
75-15-0	Carbon Disulfide	50	U	
75-35-4	1,1-Dichloroethene	50	U	
75-34-3	1,1-Dichloroethane	55		
540-59-0	1,2-Dichloroethene (total)	420		
67-66-3	Chloroform	50	U	
107-06-2	1,2-Dichloroethane	50	U	
78-93-3	2-Butanone	50	U	
71-55-6	1,1,1-Trichloroethane	800		
56-23-5	Carbon Tetrachloride	50	U	
75-27-4	Bromodichloromethane	50	U	
78-87-5	1,2-Dichloropropane	50	U	
10061-01-5	cis-1,3-Dichloropropene	50	U	
79-01-6	Trichloroethene	570		
124-48-1	Dibromochloromethane	50	U	
79-00-5	1,1,2-Trichloroethane	50	U	
71-43-2	Benzene	94		
10061-02-6	trans-1,3-Dichloropropene	50	U	
75-25-2	Bromoform	50	U	
108-10-1	4-Methyl-2-pentanone	50	U	
591-78-6	2-Hexanone	50	U	
127-18-4	Tetrachloroethene	220		
79-34-5	1,1,2,2-Tetrachloroethane	50	U	
108-88-3	Toluene	88		
108-90-7	Chlorobenzene	50	U	
100-41-4	Ethylbenzene	230		
100-42-5	Styrene	50	U	
1330-20-7	Xylene (total)	1100		

1E 000-0548

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051309

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOALKANE	14.67	500	J
2.	UNKNOWN	16.70	600	J
3.	ALKANE	17.93	1000	J
4.	UNKNOWN	19.40	1000	J
5.	TRIMETHYLCYCLOHEXANE	21.03	500	J
6.	UNKNOWN	23.30	1000	J
7.	CYCLOALKANE	25.23	2000	J
8.	CYCLOALKANE	27.23	2000	J
9.	UNKNOWN	29.07	2000	J
10.	UNKNOWN	32.20	5000	J

1A

0006985

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051214

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	B U	4
67-64-1	Acetone	10 ~~9~~	~~JB~~ U	6
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051214

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

S il Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0 0 0 5 0 9 4

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-TB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051505

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	14	~~B~~ J
67-64-1	Acetone	27	~~B~~ J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

FORM 1 VOA 3/90

1E 000095

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051505

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

1A 000109

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051216

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~9~~	~~UB~~ J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sampl wt/vol: 5.00 (g/mL) ML

Lab File ID: W051216

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0090110

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051217

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~B~~ U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

FORM 1 VOA 3/90

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051217

L vel: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 0090117 CLIENT SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-MW12-507

Lab Name: Rov F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-010

Sampl wt/vol: 5.00 (g/mL) ML Lab File ID: W051218

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~B~~ J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW12-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051218

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/12/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A 000124

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-TB1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-011

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051221

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 2	~~UB~~ J 6
67-64-1	Acetone	10 7	~~UB~~ J 6
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-011

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051221

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

0000133

CLIENT SAMPLE NO.

TF5-RW1-507

Lab Name: Roy F. W ston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051509

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	5	J
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	~~B~~ J
67-64-1	Acetone	25	~~B~~ J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	41	
540-59-0	1,2-Dichloroethene (total)	21	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	36	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	22	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	7	J

1E

000134

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-RW1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051509

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOALKANE	27.17	5	J
2.	UNKNOWN	30.77	10	J
3.	C3-BENZENE	31.97	8	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-TB3-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: W051222

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: not dec. Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	~~JB~~ J
67-64-1	Acetone	11	~~B~~ J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 0090163

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-TB3-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051222

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

FORM 1 VOA-TIC 3/90

1A 0000171

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW862-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-020

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051223

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 ~~5~~	~~UB~~ J 6
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	1	J
540-59-0	1,2-Dichloroethene (total)	7	J
67-66-3	Chloroform	4	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	6	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E 0000172

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW862-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-020

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051223

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/13/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

1A

0 0 9 0 2 6 4

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW8-507MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-001 MS

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051507

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	12	~~B~~ U 6
67-64-1	Acetone	18	~~B~~ U 6
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	5	J
540-59-0	1,2-Dichloroethene (total)	18	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	9	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene		SP
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SP: SPIKE COMPOUND FORM 1 VOA 3/90

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW8-507MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-001 MSD

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W051508

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: not dec.

Date Analyzed: 05/15/92

GC Column: SP1000 ID: 2.00(mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	15	~~B~~ U
67-64-1	Acetone	17	~~B~~ U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene		SP
75-34-3	1,1-Dichloroethane	5	J
540-59-0	1,2-Dichloroethene (total)	18	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	7	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene		SP
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene		SP
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene		SP
108-90-7	Chlorobenzene		SP
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

SP: SPIKE COMPOUND

FORM 1 VOA

3/90

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: J060108

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-001

Sample wt/vol: 990 (g/mL) ML Lab File ID: J060108

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~3~~	~~JB~~ U | 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~4~~	~~JB~~ U | 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060108

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6 CYCLOALCOHOL	5.55	~~5~~	~~JB~~ R2
2.	UNKNOWN	5.69	~~4~~	~~JB~~ R2
3.	UNKNOWN	8.64	5	J
4.	UNKNOWN	26.19	~~3~~	~~JB~~ R2
5.	UNKNOWN	36.99	70	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

000059

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-002

Sample wt/vol: 890 (g/mL) ML

Lab File ID: J060114

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/02/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	110	U
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	110	U
95-50-1	1,2-Dichlorobenzene	110	U
95-48-7	2-Methylphenol	110	U
108-60-1	2,2'-oxybis(2-Chloropropane)	110	U
106-44-5	4-Methylphenol	110	U
621-64-7	N-Nitroso-di-n-propylamine	110	U
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	110	U
78-59-1	Isophorone	110	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	110	U
111-91-1	bis(2-Chloroethoxy)methane	110	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	110	U
91-20-3	Naphthalene	73	J
106-47-8	4-Chloroaniline	110	U
87-68-3	Hexachlorobutadiene	110	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	180	
77-47-4	Hexachlorocyclopentadiene	110	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	280	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	280	U
131-11-3	Dimethylphthalate	110	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	280	U
83-32-9	Acenaphthene	110	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-002

Sample wt/vol: 890 (g/mL) ML Lab File ID: J060114

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/92

Injection Volume: 2.0(uL) Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	280	U
100-02-7	4-Nitrophenol	280	U
132-64-9	Dibenzofuran	110	U
121-14-2	2,4-Dinitrotoluene	110	U
84-66-2	Diethylphthalate	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
86-73-7	Fluorene	110	U
100-01-6	4-Nitroaniline	280	U
534-52-1	4,6-Dinitro-2-methylphenol	280	U
86-30-6	N-Nitrosodiphenylamine (1)	110	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	110	U
87-86-5	Pentachlorophenol	280	U
85-01-8	Phenanthrene	52	J
120-12-7	Anthracene	110	U
86-74-8	Carbazole	110	U
84-74-2	Di-n-butylphthalate	110	U
206-44-0	Fluoranthene	110	U
129-00-0	Pyrene	110	U
85-68-7	Butylbenzylphthalate	110	U
91-94-1	3,3'-Dichlorobenzidine	110	U
56-55-3	Benzo(a)anthracene	110	U
218-01-9	Chrysene	12	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	~~B~~
117-84-0	Di-n-octyl phthalate	110	U
205-99-2	Benzo(b)fluoranthene	110	U
207-08-9	Benzo(k)fluoranthene	110	U
50-32-8	Benzo(a)pyrene	110	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	U
53-70-3	Dibenz(a,h)anthracene	110	U
191-24-2	Benzo(g,h,i)perylene	110	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-002

Sample wt/vol: 890 (g/mL) ML

Lab File ID: J060114

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/02/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKANE	7.44	300	J
2.	ALKANE	9.15	1000	J
3.	ALKANE	10.77	1000	J
4.	ALKANE	10.97	300	J
5.	ALKANE	11.87	1000	J
6.	ALKANE	12.30	3000	J
7.	ALKANE	13.40	600	J
8.	ALKANE	13.74	3000	J
9.	ALKANE	15.10	4000	J
10.	ALKANE	16.38	3000	J
11.	ALKANE	16.96	1000	J
12.	ALKANE	17.59	1000	J
13.	ALKANE	18.71	1000	J
14.	ALKANE	18.80	500	J
15.	ALKANE	19.61	1000	J
16.	ALKANE	20.38	700	J
17.	ALKANE	21.06	700	J
18.	ALKANE	21.67	500	J
19.	ALKANE	22.24	600	J
20.	ALKANE	22.84	500	J
21.	ALKANE	23.47	500	J
22.	ALKANE	24.21	400	J
23.	ALKANE	25.04	500	J
24.	ALKANE	26.04	400	J
25.	ALKANE	27.23	200	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-003

Sample wt/vol: 930 (g/mL) ML Lab File ID: J060109

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(2-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-003

Sample wt/vol: 930 (g/mL) ML

Lab File ID: J060109

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11 ~~3~~	~~JB~~ U 1
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11 ~~10~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F 010099

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-003

Sample wt/vol: 930 (g/mL) ML

Lab File ID: J060109

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6 CYCLOALCOHOL	5.54	~~20~~	~~JB~~ R 2
2.	UNKNOWN	5.69	~~4~~	~~JB~~ R 2
3.	UNKNOWN	26.19	~~5~~	~~JB~~ R 2

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060110

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060110

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~3~~	~~JB~~ U 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~4~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060110

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6 CYCLOALCOHOL	5.56	~~30~~	~~JB~~ R 2
2.	UNKNOWN	5.71	~~3~~	~~JB~~ R 2
3.	UNKNOWN	5.86	3	J
4.	UNKNOWN	8.66	4	J
5.	UNKNOWN	12.97	2	J
6.	UNKNOWN	15.86	2	J
7.	UNKNOWN	20.11	2	J
8.	UNKNOWN	26.21	~~5~~	~~JB~~ R 2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-009

Sample wt/vol: 990 (g/mL) ML Lab File ID: J060111

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-009

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060111

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~3~~	~~JB~~ U 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~1~~	~~JB~~ U 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-009

Sampl wt/vol: 990 (g/mL) ML

Lab File ID: J060111

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLOHEXENONE	6.43	3	J
2.	UNKNOWN	26.17	~~2~~	~~JB~~ R 2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW12-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-010

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060112

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW12-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-010

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060112

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~5~~	~~JB~~ J 1
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~	~~JB~~ J 1
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-MW12-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-010

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060112

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Conc ntrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6 CYCLOALCOHOL	5.52	~~4~~	~~JB~~ R 2
2.	UNKNOWN	5.67	~~3~~	~~JB~~ R 2
3.	UNKNOWN	5.83	4	J
4.	UNKNOWN	8.63	7	J
5.	UNKNOWN	15.82	3	J
6.	UNKNOWN	18.24	2	J
7.	UNKNOWN	20.06	3	J
8.	HYDROCARBON	20.89	3	J
9.	UNKNOWN	26.17	~~10~~	~~JB~~ R 2

1B

000074

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060115

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/02/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	100	U
111-44-4	bis(2-Chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
95-48-7	2-Methylphenol	100	U
108-60-1	2,2'-oxybis(2-Chloropropane)	100	U
106-44-5	4-Methylphenol	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	55	J
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	270	
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	260	U
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	100	U
99-09-2	3-Nitroaniline	260	U
83-32-9	Acenaphthene	100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TF5-RW1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-012

Sample wt/vol: 990 (g/mL) ML Lab File ID: J060115

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/02/92

Injection Volume: 2.0(uL) Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol	260	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
86-73-7	Fluorene	100	U
100-01-6	4-Nitroaniline	260	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	N-Nitrosodiphenylamine (1)	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	65	J
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butylphthalate	100	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
85-68-7	Butylbenzylphthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	B
117-84-0	Di-n-octyl phthalate	100	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenz(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TF5-RW1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012

Sample wt/vol: 990 (g/mL) ML

Lab File ID: J060115

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/02/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 23

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALKANE	7.44	200	J
2.	ALKANE	9.15	700	J
3.	ALKANE	10.77	2000	J
4.	ALKANE	11.87	1000	J
5.	ALKANE	12.30	3000	J
6.	ALKANE	13.73	2000	J
7.	ALKANE	15.10	2000	J
8.	ALKANE	16.38	1000	J
9.	ALKANE	17.59	900	J
10.	ALKANE	17.66	300	J
11.	ALKANE	18.70	700	J
12.	ALKANE	18.80	400	J
13.	ALKANE	19.61	500	J
14.	ALKANE	20.38	500	J
15.	ALKANE	21.06	400	J
16.	ALKANE	21.67	400	J
17.	ALKANE	22.24	300	J
18.	ALKANE	22.83	400	J
19.	ALKANE	23.47	300	J
20.	ALKANE	24.21	200	J
21.	ALKANE	25.04	300	J
22.	ALKANE	26.04	200	J
23.	ALKANE	27.23	80	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012 MS

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J060503

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/05/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol		SP
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol		SP
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene		SP
95-50-1	1,2-Dichlorobenzene	110	U
95-48-7	2-Methylphenol	110	U
108-60-1	2,2'-oxybis(2-Chloropropane)	110	U
106-44-5	4-Methylphenol	110	U
621-64-7	N-Nitroso-di-n-propylamine		SP
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	110	U
78-59-1	Isophorone	110	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	110	U
111-91-1	bis(2-Chloroethoxy)methane	110	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene		SP
91-20-3	Naphthalene	68	J
106-47-8	4-Chloroaniline	110	U
87-68-3	Hexachlorobutadiene	110	U
59-50-7	4-Chloro-3-methylphenol		SP
91-57-6	2-Methylnaphthalene	350	
77-47-4	Hexachlorocyclopentadiene	110	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	260	U
131-11-3	Dimethylphthalate	110	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	260	U
83-32-9	Acenaphthene		SP

SP: SPIKE COMPOUND

FORM 1 SV-1

3/90

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012 MS

Sample wt/vol: 940 (g/mL) ML

Lab File ID: J060503

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/05/92

Injection Volume: 2.0(uL)

Dilution Factor: 10.

GPC Cleanup: (Y/N) N

pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol		SP
132-64-9	Dibenzofuran	110	U
121-14-2	2,4-Dinitrotoluene		SP
84-66-2	Diethylphthalate	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
86-73-7	Fluorene	110	U
100-01-6	4-Nitroaniline	260	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	N-Nitrosodiphenylamine (1)	110	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	110	U
87-86-5	Pentachlorophenol		SP
85-01-8	Phenanthrene	82	J
120-12-7	Anthracene	110	U
86-74-8	Carbazole	110	U
84-74-2	Di-n-butylphthalate	110	U
206-44-0	Fluoranthene	110	U
129-00-0	Pyrene		SP
85-68-7	Butylbenzylphthalate	110	U
91-94-1	3,3'-Dichlorobenzidine	110	U
56-55-3	Benzo(a)anthracene	110	U
218-01-9	Chrysene	110	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	~~B~~
117-84-0	Di-n-octyl phthalate	110	U
205-99-2	Benzo(b)fluoranthene	110	U
207-08-9	Benzo(k)fluoranthene	110	U
50-32-8	Benzo(a)pyrene	110	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	U
53-70-3	Dibenz(a,h)anthracene	110	U
191-24-2	Benzo(g,h,i)perylene	110	U

(1) - Cannot be separated from Diphenylamine

SP: SPIKE COMPOUND

FORM 1 SV-2

3/90

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-012 MSD

Sample wt/vol: 940 (g/mL) ML Lab File ID: J060504

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/05/92

Injection Volume: 2.0(uL) Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol		SP
111-44-4	bis(2-Chloroethyl)ether	110	U
95-57-8	2-Chlorophenol		SP
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene		SP
95-50-1	1,2-Dichlorobenzene	110	U
95-48-7	2-Methylphenol	110	U
108-60-1	2,2'-oxybis(2-Chloropropane)	110	U
106-44-5	4-Methylphenol	110	U
621-64-7	N-Nitroso-di-n-propylamine		SP
67-72-1	Hexachloroethane	110	U
98-95-3	Nitrobenzene	110	U
78-59-1	Isophorone	110	U
88-75-5	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	110	U
111-91-1	bis(2-Chloroethoxy)methane	110	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene		SP
91-20-3	Naphthalene	50	J
106-47-8	4-Chloroaniline	110	U
87-68-3	Hexachlorobutadiene	110	U
59-50-7	4-Chloro-3-methylphenol		SP
91-57-6	2-Methylnaphthalene	220	
77-47-4	Hexachlorocyclopentadiene	110	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	260	U
131-11-3	Dimethylphthalate	110	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	260	U
83-32-9	Acenaphthene		SP

SP: SPIKE COMPOUND

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-012 MSD

Sample wt/vol: 940 (g/mL) ML Lab File ID: J060504

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/05/92

Injection Volume: 2.0(uL) Dilution Factor: 10.

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol		SP
132-64-9	Dibenzofuran	110	U
121-14-2	2,4-Dinitrotoluene		SP
84-66-2	Diethylphthalate	110	U
7005-72-3	4-Chlorophenyl-phenylether	110	U
86-73-7	Fluorene	110	U
100-01-6	4-Nitroaniline	260	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	N-Nitrosodiphenylamine (1)	110	U
101-55-3	4-Bromophenyl-phenylether	110	U
118-74-1	Hexachlorobenzene	110	U
87-86-5	Pentachlorophenol		SP
85-01-8	Phenanthrene	52	J
120-12-7	Anthracene	110	U
86-74-8	Carbazole	110	U
84-74-2	Di-n-butylphthalate	110	U
206-44-0	Fluoranthene	110	U
129-00-0	Pyrene		SP
85-68-7	Butylbenzylphthalate	110	U
91-94-1	3,3'-Dichlorobenzidine	110	U
56-55-3	Benzo(a)anthracene	110	U
218-01-9	Chrysene	110	U
117-81-7	bis(2-Ethylhexyl)phthalate	110 ~~97~~	~~JB~~ U (
117-84-0	Di-n-octyl phthalate	110	U
205-99-2	Benzo(b)fluoranthene	110	U
207-08-9	Benzo(k)fluoranthene	110	U
50-32-8	Benzo(a)pyrene	110	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	U
53-70-3	Dibenz(a,h)anthracene	110	U
191-24-2	Benzo(g,h,i)perylene	110	U

(1) - Cannot be separated from Diphenylamine

SP: SPIKE COMPOUND FORM 1 SV-2 3/90

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW862-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Cli nt: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-020

Sample wt/vol: 960 (g/mL) ML Lab File ID: J060113

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(2-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW862-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER Lab Sample ID: 9205L252-020

Sampl wt/vol: 960 (g/mL) ML Lab File ID: J060113

Level: (low/med) LOW Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__ Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/92

Inj ction Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cl anup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~4~~	~~JB~~ U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3~~	~~JB~~ J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

CLIENT SAMPLE NO.

TF5-MW862-507

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-020

Sample wt/vol: 960 (g/mL) ML

Lab File ID: J060113

Level: (low/med) LOW

Date Received: 05/08/92

% Moisture: _____ decanted: (Y/N)__

Date Extracted: 05/11/92

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/01/92

Inj ction Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	C6 CYCLOALCOHOL	5.52	~~10~~	~~JB~~	K 2
2.	UNKNOWN	5.67	~~3~~	~~JB~~	K 2
3.	UNKNOWN	5.84	3	J	
4.	UNKNOWN	8.63	5	J	
5.	CAPROLACTAM	11.82	9	J	
6.	UNKNOWN	18.66	3	J	
7.	UNKNOWN	18.73	5	J	
8.	BUTYL BENZENESULFONAMIDE	18.90	5	J	
9.	UNKNOWN	20.90	20	J	
10.	UNKNOWN	22.55	30	J	
11.	UNKNOWN	24.38	20	J	
12.	UNKNOWN	26.17	5	~~JB~~	K2
13.	UNKNOWN	27.18	20	J	
14.	UNKNOWN	31.86	10	J	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW8-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 05269235.70

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW53E-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-002

Sample wt/vol: 810 (g/mL) ML

Lab File ID: 06029235.13

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 06/02/92

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) ~~N~~ Y pH: 7.0

Sulfur Cleanup: (Y/N) N

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CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
319-84-6	Alpha-BHC	0.62	U
319-85-7	Beta-BHC	0.62	U
319-86-8	Delta-BHC	0.62	U
58-89-9	gamma-BHC (Lindane)	0.62	U
76-44-8	Heptachlor	0.62	U
309-00-2	Aldrin	0.62	U
1024-57-3	Heptachlor epoxide	0.62	U
959-98-8	Endosulfan I	0.62	U
60-57-1	Dieldrin	1.2	U
72-55-9	4,4'-DDE	1.2	U
72-20-8	Endrin	1.2	U
33213-65-9	Endosulfan II	1.2	U
72-54-8	4,4'-DDD	1.2	U
1031-07-8	Endosulfan sulfate	1.2	U
50-29-3	4,4'-DDT	0.22	JP
72-43-5	Methoxychlor	6.2	U
53494-70-5	Endrin ketone	1.2	U
7421934	Endrin aldehyde	1.2	U
5103-71-9	alpha-Chlordane	0.62	U
5103-74-2	gamma-Chlordane	0.62	U
8001-35-2	Toxaphene	62	U
12674-11-2	Aroclor-1016	12	U
11104-28-2	Aroclor-1221	25	U
11141-16-5	Aroclor-1232	12	U
53469-21-9	Aroclor-1242	12	U
12672-29-6	Aroclor-1248	12	U
11097-69-1	Aroclor-1254	12	U
11096-82-5	Aroclor-1260	12	U

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FORM 1 PEST 03/90

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-FB2-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-003

Sample wt/vol: 910 (g/mL) ML

Lab File ID: 05269235.71

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.055	U
319-85-7	Beta-BHC	0.055	U
319-86-8	Delta-BHC	0.055	U
58-89-9	gamma-BHC (Lindane)	0.055	U
76-44-8	Heptachlor	0.055	U
309-00-2	Aldrin	0.055	U
1024-57-3	Heptachlor epoxide	0.055	U
959-98-8	Endosulfan I	0.055	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.55	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.055	U
5103-74-2	gamma-Chlordane	0.055	U
8001-35-2	Toxaphene	5.5	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW9-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-008

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 05269235.72

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW10-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-009

Sample wt/vol: 880 (g/mL) ML

Lab File ID: 05269235.73

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.057	U
319-85-7	Beta-BHC	0.057	U
319-86-8	Delta-BHC	0.057	U
58-89-9	gamma-BHC (Lindane)	0.057	U
76-44-8	Heptachlor	0.057	U
309-00-2	Aldrin	0.057	U
1024-57-3	Heptachlor epoxide	0.057	U
959-98-8	Endosulfan I	0.057	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.57	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.057	U
5103-74-2	gamma-Chlordane	0.057	U
8001-35-2	Toxaphene	5.7	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.3	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-MW12-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-010

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 05269235.36

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/13/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 05/27/92

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

DEP 6/7/92

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 05269235.80

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00 (uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

DEP 6/7/92

FORM 1 PEST 03/90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MS

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012 MS

Sample wt/vol: 890 (g/mL) ML

Lab File ID: 05269235.81

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.010	JP
319-85-7	Beta-BHC	0.056	U
319-86-8	Delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	40.0	%
76-44-8	Heptachlor	22.0	%
309-00-2	Aldrin	18.0	%
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	22.0	%
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	26.0	%
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	20.0	%
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
7421934	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.056	U
5103-74-2	gamma-Chlordane	0.056	U
8001-35-2	Toxaphene	5.6	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

JAR 6/2/92

%: SPIKE COMPOUND

FORM 1 PEST

03/90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TF5-RW1-507MSD

Lab Name: Roy F. Weston, Inc. Work Order: 2724-03-01-0000

Client: TRC/NAVY

Matrix: (soil/water) WATER

Lab Sample ID: 9205L252-012 MSD

Sample wt/vol: 990 (g/mL) ML

Lab File ID: 05269235.82

% Moisture: decanted: (Y/N)_

Date Received: 05/08/92

Extraction: (SepF/Cont/Sonc) CONT

Date Extracted: 05/12/92

Concentrated Extract Volume: 10000.00(uL)

Date Analyzed: 05/29/92

Injection Volume: 0.5(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	0.010	JP
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	44.0	%
76-44-8	Heptachlor	26.0	%
309-00-2	Aldrin	24.0	%
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	27.0	%
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	32.0	%
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	26.0	%
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421934	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

DER 6/7/92

%: SPIKE COMPOUND

FORM 1 PEST

03/90

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW8-5??

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525201

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5590.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	20.30			F
7440-39-3	Barium	61.60	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	24300.00		E	P
7440-47-3	Chromium	19.20			P
7440-48-4	Cobalt	26.50	B		P
7440-50-8	Copper	50.00			P
7439-89-6	Iron	22100.00		E	P
7439-92-1	Lead	29.90		NS	F
7439-95-4	Magnesium	19800.00		E	P
7439-96-5	Manganese	535.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	34.50	B		P
7440-09-7	Potassium	2280.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10500.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	6.30	B		P
7440-66-6	Zinc	67.50			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN 03/90

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW535-50

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525202

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9670.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	32.70			F
7440-39-3	Barium	39.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	19900.00		E	P
7440-47-3	Chromium	16.30			P
7440-48-4	Cobalt	70.70			P
7440-50-8	Copper	72.90			P
7439-89-6	Iron	50300.00		E	P
7439-92-1	Lead	20.90		N	F
7439-95-4	Magnesium	12900.00		E	P
7439-96-5	Manganese	6540.00		E	P
7439-97-6	Mercury	.10			CV
7440-02-0	Nickel	52.40			P
7440-09-7	Potassium	1960.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10600.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.40	B		P
7440-66-6	Zinc	107.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-FB2-507

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525203

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	7.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	62.00	U	E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.00	U		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	35.60	B	E	P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	69.00	U	E	P
7439-96-5	Manganese	2.00	U	E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	896.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	175.00	B		P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	9.00	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW9-507

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525208

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2670.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	40.20		S	F
7440-39-3	Barium	56.20	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	74500.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	77.90			P
7440-50-8	Copper	20.10	B		P
7439-89-6	Iron	29100.00		E	P
7439-92-1	Lead	35.90		NS	F
7439-95-4	Magnesium	56700.00		E	P
7439-96-5	Manganese	4620.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	51.30			P
7440-09-7	Potassium	2180.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10300.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	15.00	B		P
7440-66-6	Zinc	73.30			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW10-5[illegible]

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525209

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	148000.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	270.00	B		F
7440-39-3	Barium	586.00			P
7440-41-7	Beryllium	10.90			P
7440-43-9	Cadmium	4.70	B		P
7440-70-2	Calcium	78700.00		E	P
7440-47-3	Chromium	336.00			P
7440-48-4	Cobalt	582.00			P
7440-50-8	Copper	144.00			P
7439-89-6	Iron	796000.00		E	P
7439-92-1	Lead	167.00		N	F
7439-95-4	Magnesium	81600.00		E	P
7439-96-5	Manganese	14400.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	818.00			P
7440-09-7	Potassium	11300.00			P
7782-49-2	Selenium	20.00	U	W	F
7440-22-4	Silver	40.80			P
7440-23-5	Sodium	10000.00			P
7440-28-0	Thallium	20.00	U	NWM	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	1220.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
For thallium RSD on bench spike was out for two determinations. Flagged with an M.

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW1?-5?7

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525210

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2700.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	35.30		S	F
7440-39-3	Barium	47.70	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	69500.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	64.20			P
7440-50-8	Copper	18.80	B		P
7439-89-6	Iron	24100.00		E	P
7439-92-1	Lead	66.50		NS	F
7439-95-4	Magnesium	53100.00		E	P
7439-96-5	Manganese	3620.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	50.20			P
7440-09-7	Potassium	2090.00	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	9900.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	14.20	B		P
7440-66-6	Zinc	58.90			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-RW1-507

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525212

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1190.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	14.80			F
7440-39-3	Barium	20.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	35100.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.10	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	60200.00		E	P
7439-92-1	Lead	2.40	B	NW	F
7439-95-4	Magnesium	15300.00		E	P
7439-96-5	Manganese	7650.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	2280.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	11600.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	60.40			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

TF5-RW1-509 S

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix: WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	3220.6000		1187.8000		2000.00	101.6		P
Antimony	75-125	488.7000		36.0000	U	500.00	97.7		P
Arsenic	75-125	51.1000		14.8000		40.00	90.8		F
Barium	75-125	1975.2000		20.8000	B	2000.00	97.7		P
Beryllium	75-125	49.1000		1.0000	U	50.00	98.2		P
Cadmium	75-125	47.1000		4.0000	U	50.00	94.2		P
Calcium									NR
Chromium	75-125	196.2000		7.0000	U	200.00	98.1		P
Cobalt	75-125	503.6001		10.1000	B	500.00	98.7		P
Copper	75-125	246.2000		7.0000	U	250.00	98.5		P
Iron	75-125	58955.0000		60151.3000		1000.00	120.0		P
Lead	75-125	11.6000		2.4000	B	20.00	46.0	N	F
Magnesium									NR
Manganese	75-125	7851.6990		7647.3010		500.00	40.9		P
Mercury	75-125	.8510		.1000	U	1.00	85.1		CV
Nickel	75-125	489.6001		18.0000	U	500.00	97.9		P
Potassium									NR
Selenium	75-125	8.2000		2.0000	U	10.00	82.0		F
Silver	75-125	51.3000		8.0000	U	50.00	102.6		P
Sodium									NR
Thallium	75-125	35.8000		2.0000	U	50.00	71.6	N	F
Vanadium	75-125	495.8999		5.0000	U	500.00	99.2		P
Zinc	75-125	542.8000		60.4000		500.00	96.5		P
Cyanide									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

TF5-RW1-5[illegible] D

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (water/soil): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	%RPD	Q	M
Aluminum		1187.8000		1112.0000		6.6		P
Antimony		36.0000	U	36.0000	U			P
Arsenic	10.0	14.8000		15.8000		6.5		F
Barium		20.8000	B	19.5000	B	6.5		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		4.0000	U	4.0000	U			P
Calcium		35052.5000		34048.3000		2.9		P
Chromium		7.0000	U	7.0000	U			P
Cobalt		10.1000	B	7.8000	B	25.7		P
Copper		7.0000	U	7.0000	U			P
Iron		60151.3000		58458.7000		2.9		P
Lead	3.0	2.4000	B	3.8000		45.2		F
Magnesium	5000.0	15294.8000		14838.3000		3.0		P
Manganese		7647.3010		7423.8010		3.0		P
Mercury	.2	.1000	U	.1010	B	200.0		CV
Nickel		18.0000	U	18.0000	U			P
Potassium		2284.0000	B	1936.4000	B	16.5		P
Selenium		2.0000	U	2.0000	U			F
Silver		8.0000	U	8.0000	U			P
Sodium	5000.0	11567.9000		11261.9000		2.7		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		5.0000	U	5.0000	U			P
Zinc	20.0	60.4000		56.9000		6.0		P
Cyanide								NR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW8-527

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525214

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	10.40	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	23700.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.00	U		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	63.10	B	E	P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	18900.00		E	P
7439-96-5	Manganese	41.10		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	1590.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10900.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	5.80	B		P
7440-66-6	Zinc	13.20	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-FB2-507

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525215

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	7.00	U		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	62.00	U	E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.00	U		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	30.00	U	E	P
7439-92-1	Lead	17.80		N	F
7439-95-4	Magnesium	69.00	U	E	P
7439-96-5	Manganese	3.80	B	E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	896.00	U		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	134.00	B		P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	6.00	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW9-509

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525216

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	11.70	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	72500.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	10.10	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	30.00	U	E	P
7439-92-1	Lead	13.30		NS	F
7439-95-4	Magnesium	55300.00		E	P
7439-96-5	Manganese	516.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	2110.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10400.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	19.40	B		P
7440-66-6	Zinc	11.90	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW10-5W

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525217

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	38.10	B		P
7440-38-2	Arsenic	3.00	B		F
7440-39-3	Barium	8.50	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	31100.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	17.90	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	89.40	B	E	P
7439-92-1	Lead	2.80	B	NW	F
7439-95-4	Magnesium	18900.00		E	P
7439-96-5	Manganese	1530.00		E	P
7439-97-6	Mercury	.11	B		CV
7440-02-0	Nickel	27.90	B		P
7440-09-7	Potassium	2280.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	8700.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	6.00	B		P
7440-66-6	Zinc	12.10	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW12-5[illegible]

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525218

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	2.00	U		F
7440-39-3	Barium	12.40	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	76100.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	12.60	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	30.00	U	E	P
7439-92-1	Lead	2.00	U	NW	F
7439-95-4	Magnesium	57900.00		E	P
7439-96-5	Manganese	723.00		E	P
7439-97-6	Mercury	.11	B		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	2040.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	10700.00			P
7440-28-0	Thallium	2.00	U	N	F
7440-62-2	Vanadium	16.50	B		P
7440-66-6	Zinc	11.90	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-RW1-507

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525219

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.00	U		P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	13.10			F
7440-39-3	Barium	16.90	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	32500.00		E	P
7440-47-3	Chromium	7.00	U		P
7440-48-4	Cobalt	7.30	B		P
7440-50-8	Copper	7.00	U		P
7439-89-6	Iron	51900.00		E	P
7439-92-1	Lead	2.00	U	N	F
7439-95-4	Magnesium	14000.00		E	P
7439-96-5	Manganese	7110.00		E	P
7439-97-6	Mercury	.10	U		CV
7440-02-0	Nickel	18.00	U		P
7440-09-7	Potassium	2430.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	11400.00			P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	14.60	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

TF5-RW1-5[illegible]

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix: WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1905.8000		46.0000	U	2000.00	95.3		P
Antimony	75-125	503.3999		36.0000	U	500.00	100.7		P
Arsenic	75-125	53.8000		13.1000		40.00	101.7		F
Barium	75-125	1956.1000		16.9000	B	2000.00	97.0		P
Beryllium	75-125	48.9000		1.0000	U	50.00	97.8		P
Cadmium	75-125	46.0000		4.0000	U	50.00	92.0		P
Calcium									NR
Chromium	75-125	191.7000		7.0000	U	200.00	95.8		P
Cobalt	75-125	500.7000		7.3000	B	500.00	98.7		P
Copper	75-125	242.0000		7.0000	U	250.00	96.8		P
Iron	75-125	52887.8000		51907.2000		1000.00	98.1		P
Lead	75-125	19.6000		2.0000	U	20.00	98.0		F
Magnesium									NR
Manganese	75-125	7590.3980		7107.0000		500.00	96.7		P
Mercury	75-125	1.0710		.1000	U	1.00	107.1		CV
Nickel	75-125	475.7000		18.0000	U	500.00	95.1		P
Potassium									NR
Selenium	75-125	10.0000		2.0000	U	10.00	100.0		F
Silver	75-125	51.0000		8.0000	U	50.00	102.0		P
Sodium									NR
Thallium	75-125	39.5000		2.0000	U	50.00	79.0		F
Vanadium	75-125	494.6001		5.0000	U	500.00	98.9		P
Zinc	75-125	496.1001		14.6000	B	500.00	96.3		P
Cyanide									NR

Comments:

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DUPLICATES

EPA SAMPLE NO.

TF5-RW1-509 D

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (water/soil): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	%RPD	Q	M
Aluminum		46.0000	U	46.0000	U			P
Antimony		36.0000	U	36.0000	U			P
Arsenic	10.0	13.1000		12.9000		1.5		F
Barium		16.9000	B	17.4000	B	2.9		P
Beryllium		1.0000	U	1.0000	U			P
Cadmium		4.0000	U	4.0000	U			P
Calcium		32539.7000		34545.1000		6.0		P
Chromium		7.0000	U	7.0000	U			P
Cobalt		7.3000	B	7.0000	U	200.0		P
Copper		7.0000	U	7.0000	U			P
Iron		51907.2000		54997.4000		5.8		P
Lead		2.0000	U	2.0000	U			F
Magnesium	5000.0	13977.2000		14757.8000		5.4		P
Manganese		7107.0000		7526.6020		5.7		P
Mercury		.1000	U	.1000	U			CV
Nickel		18.0000	U	18.0000	U			P
Potassium		2433.0000	B	2755.7000	B	12.4		P
Selenium		2.0000	U	2.0000	U			F
Silver		8.0000	U	8.0000	U			P
Sodium	5000.0	11404.1000		12063.1000		5.6		P
Thallium		2.0000	U	2.0000	U			F
Vanadium		5.0000	U	5.0000	U			P
Zinc		14.6000	B	14.8000	B	1.4		P
Cyanide								NR

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TF5-MW8[illegible]-5 07

Lab Name: ROY F. WESTON, INC - L372 Contract: 2724-03-01

Lab Code: WESTON Case No.: TRC SAS No.: SDG No.: CLP252

Matrix (soil/water): WATER Lab Sample ID: 920525220

Level (low/med): LOW Date Received: 5/08/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18900.00			P
7440-36-0	Antimony	36.00	U		P
7440-38-2	Arsenic	46.90		S	F
7440-39-3	Barium	66.80	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	25300.00		E	P
7440-47-3	Chromium	66.40			P
7440-48-4	Cobalt	102.00			P
7440-50-8	Copper	75.70			P
7439-89-6	Iron	94600.00		E	P
7439-92-1	Lead	53.20		NS	F
7439-95-4	Magnesium	27700.00		E	P
7439-96-5	Manganese	4380.00		E	P
7439-97-6	Mercury	.14	B		CV
7440-02-0	Nickel	115.00			P
7440-09-7	Potassium	2860.00	B		P
7782-49-2	Selenium	2.00	U		F
7440-22-4	Silver	8.00	U		P
7440-23-5	Sodium	15100.00			P
7440-28-0	Thallium	20.00	U	N	F
7440-62-2	Vanadium	5.00	U		P
7440-66-6	Zinc	255.00			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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