FINAL

REMEDIAL INVESTIGATION REPORT ADDENDUM

AIR FORCE PLANT 59

July 1996

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This document presents the results of the December 1995 sampling event at Air Force Plant 59 (AFP 59), Johnson City, New York. The sampling event was conducted to accomplish the following objectives: to provide another round of groundwater samples from select locations to further characterize the extent of volatile organic contamination in site groundwater, to verify or eliminate those chemicals of potential concern identified in the Final Remedial Investigation Report that contributed to unacceptable risk, and to further evaluate the direction of groundwater flow beneath AFP 59 in the shallow and deep zones of the aquifer.

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PREFACE

This Remedial Investigation (RI) Report Addendum was written by The Earth Technology Corporation (EARTH TECH) to document field and laboratory operations conducted as part of the December 1995 sampling event at Air Force Plant 59 (AFP 59), Johnson City, New York. Field work followed guidelines set forth in the Air Force Center for Environmental Excellence (AFCEE) "Handbook for the Installation Restoration Program (IRP), Remedial Investigations and Feasibility Studies (RI/FS)," September 1993. All work was completed under AFCEE Contract Number F41624-94-D-8055, Delivery Order 0004. The objectives were as follows:

1. To provide another round of groundwater samples from select locations to further characterize the extent of volatile organic compound (VOC) contamination in site groundwater,

2. To verify or eliminate those chemicals of potential concern identified in the Final RI Report (EARTH TECH, 1996) that contributed to unacceptable risk, and

3. To further evaluate the direction of groundwater flow beneath AFP 59 in the shallow and deep zones of the aquifer.

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ACRONYMS & ABBREVIATIONS

1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethane
AFCEE	Air Force Center for Environmental Excellence
AFP 59	Air Force Plant 59
ARAR	Applicable or Relevant and Appropriate Requirement
BEHP	bis(2-Ethylhexyl)phthalate
CERCLA	Comprehensive Environmental, Response, Compensation, and Liability Act
cis-1,2-DCE	cis-1,2-Dichloroethene
HQ	Hazard Quotient
IDL	Instrument Detection Limit
IRP	Installation Restoration Program
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
mg/kg	Milligrams per kilogram
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric and Gas
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PQL	Practical Quantitation Limit
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SVOC	Semivolatile Organic Compound
TCE	Trichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
µg/L	Micrograms per liter
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

SECTION 1.0

INTRODUCTION

This report is the *Remedial Investigation (RI) Report Addendum* for Air Force Plant 59 (AFP 59) in Broome County, New York. It presents the results of the groundwater, sediment, and surface water sampling conducted at AFP 59 in December 1995. The sampling associated with the *RI Report Addendum* was conducted to accomplish the following objectives:

- To provide another round of groundwater samples from select locations to further characterize the extent of volatile organic compound (VOC) contamination in site groundwater,
- To verify or eliminate those chemicals of potential concern identified in the *Final RI Report* (EARTH TECH, 1996) that contributed to unacceptable risk, and
- To further evaluate the direction of groundwater flow beneath AFP 59 in the shallow and deep zones of the aquifer.

This report has been prepared in accordance with the United States Environmental Protection Agency (USEPA) document *Guidance for Conducting Remedial Investigations and Feasibility Studies Under Comprehensive Environmental, Response, Compensation, and Liability Act (CERCLA)* (USEPA, 1988). The report also follows the format and content requirements of the United States Air Force (USAF) document *Handbook for the Installation Restoration Program (IRP), Remedial Investigations and Feasibility Studies (RI/FS)* (USAF, 1993). All sampling activities followed protocols presented in the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a).

This report contains the following four sections: Section 1 provides the objectives of the December 1995 sampling event and the *RI Report Addendum*, Section 2 provides a summary of the activities conducted during the December 1995 sampling event, Section 3 summarizes the analytical results, and Section 4 presents conclusions from the investigation.

In addition to documenting the December 1995 sampling event, this report also provides a record of the abandonment and replacement of monitoring well SW6. Monitoring well SW6 was damaged beyond repair during the week of December 11, 1995. Because SW6 represents an important monitoring well in the long-term monitoring of conditions at AFP 59, the well was abandoned following New York State guidelines presented in *Groundwater Monitoring Well Decommissioning Procedures* (Malcolm Pirnie, Inc., 1995) and replaced following procedures described in the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a). Monitoring well SW6 was abandoned and

replaced between January 15 and 17, 1996. Surveying data and the monitoring well construction log for SW6A (identification of the replacement monitoring well) are provided in Appendices C and D, respectively.

SECTION 2.0

PROJECT ACTIVITIES

This section summarizes activities conducted during the December 1995 sampling event. Section 2.1 summarizes the conclusions of the *Final RI Report* (EARTH TECH, 1996) and rationale for selecting the analyses performed on samples collected during the investigation. Section 2.2 outlines groundwater, sediment, and surface water sampling procedures.

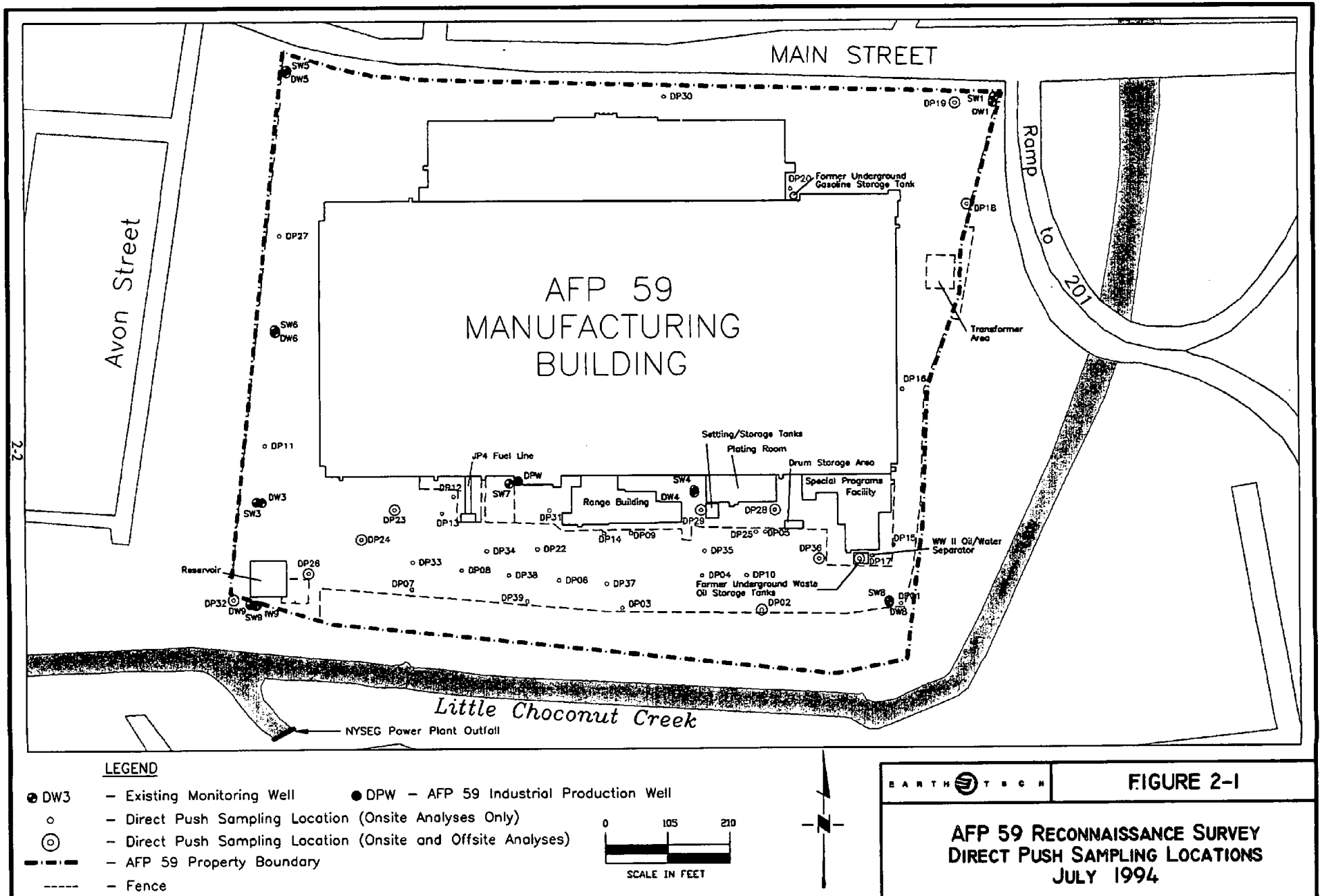
2.1 Laboratory Analyses

This section presents the rationale for selecting the analyses performed on samples collected during the investigation. The analyses were selected based on conclusions from the *Final RI Report* (EARTH TECH, 1996) and recommendations made by the New York State Department of Environmental Conservation (NYSDEC). The conclusions from the *Final RI Report* (EARTH TECH, 1996) and rationale for selecting each analysis are presented below by environmental medium. Only those analytes that either contributed to unacceptable risk (i.e., carcinogenic risk exceeding 1×10^{-6} or noncarcinogenic risk with a hazard quotient exceeding 1.0) or exceeded applicable or relevant and appropriate requirements (ARARs) were considered during the December 1995 sampling event. Figures 2-1 and 2-2 illustrate the location of the samples collected by EARTH TECH during the RI.

2.1.1 Soil

Analytes that were detected in site soil samples and either contributed to unacceptable risk or exceeded ARARs are discussed below. The rationale for determining what analyses were performed on samples collected during the December 1995 sampling event is also explained below.

CARCINOGENIC RISK. Carcinogenic risk due to soil contamination was identified for future on-site industrial workers. The only exposure pathway and analyte that contributed to unacceptable risk for on-site industrial workers was dermal absorption of beryllium in surface soil at the Plating Room Area. Beryllium was detected in 100 percent of the site surface soil samples collected in the Plating Room Area and in 100 percent of the background surface soil samples. Therefore, beryllium may represent an area-wide problem (potentially related to emissions from the New York State Electric and Gas (NYSEG) coal-burning power plant located south of AFP 59), not a site-specific one. Because the beryllium detected in site soil samples does not appear to be related to historical activities at AFP 59, the NYSDEC did not request that if be analyzed for during the current investigation.



LEGEND

- DW3 – Existing Monitoring Well
- DPW – AFP 59 Industrial Production Well
- ○ – Direct Push Sampling Location (Onsite Analyses Only)
- ◎ – Direct Push Sampling Location (Onsite and Offsite Analyses)
- – AFP 59 Property Boundary
- ----- – Fence

0 105 210

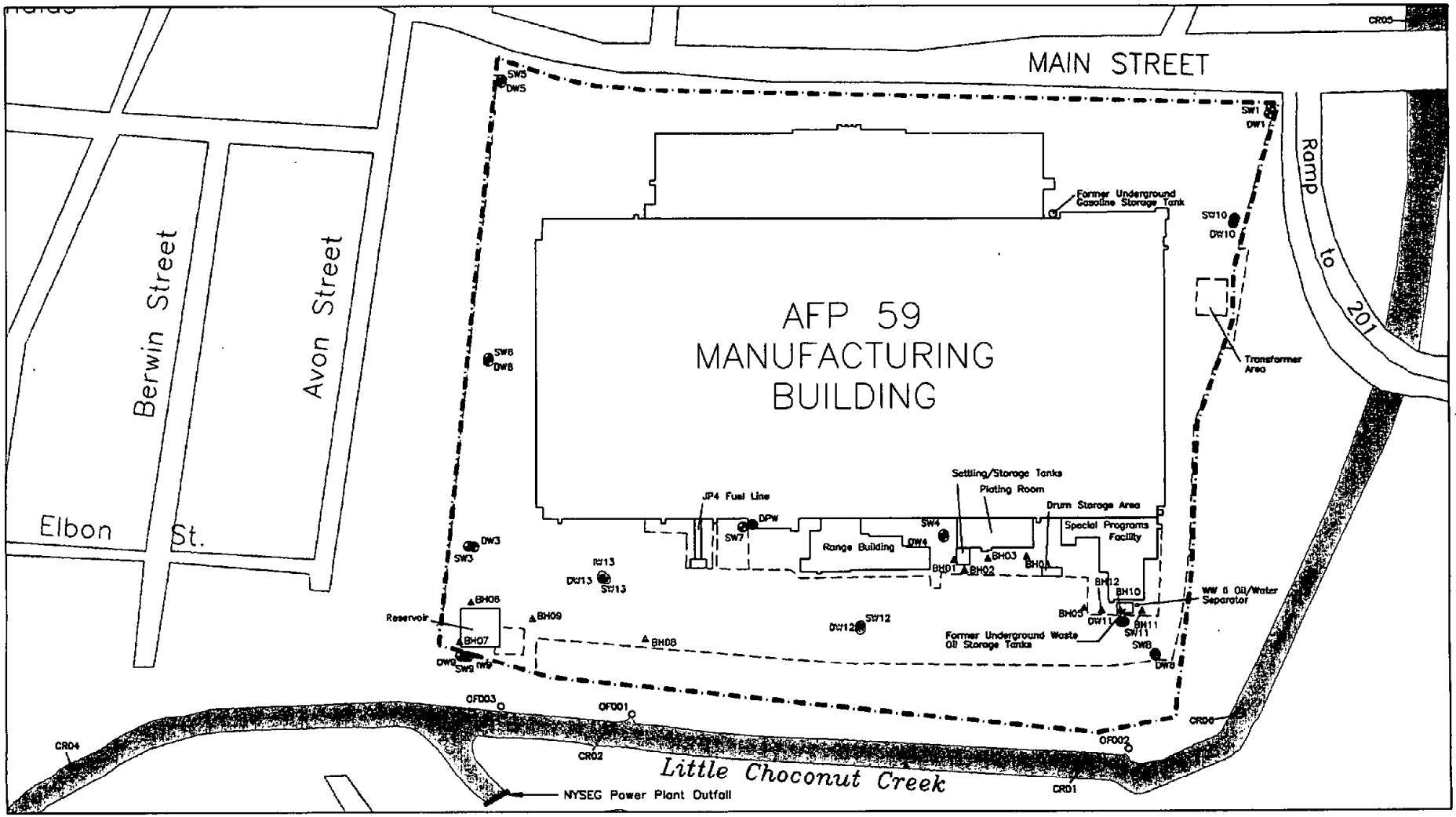
SCALE IN FEET

EARTH TECH

FIGURE 2-1

AFP 59 RECONNAISSANCE SURVEY
DIRECT PUSH SAMPLING LOCATIONS
JULY 1994

0676R12.DWG/0676 2-1 PIT



LEGEND

- AFP 59 Property Boundary
- Fence
- OF003 – AFP 59 Outfall
- DPW – AFP 59 Industrial Production Well
- DW3 – Existing Monitoring Well
- DW12 – RI Monitoring Well
- BH8 – RI Soil Boring
- CR04 – RI Surface Water/Sediment Sampling Location

0 115 230

SCALE IN FEET

EARTH TECH

FIGURE 2-2

AFP 59 REMEDIAL INVESTIGATION
SAMPLING LOCATIONS
OCTOBER - DECEMBER 1994

0626RI2.DWG/0626_2-2.PLT

NONCARCINOGENIC RISK. Soil contamination due to the presence of molybdenum in surface soil near the Plating Room Area was also identified as a noncarcinogenic risk for future on-site industrial workers. Although the hazard quotient for molybdenum (HQ=2) does exceed 1, the potential for adverse noncarcinogenic health effects as a result of molybdenum contamination is considered minimal for the following reasons: molybdenum was detected in only 1 of the 16 soil samples (including replicates) collected at the Plating Room Area; it was detected in the replicate sample of a normal soil sample, but not in the normal sample; the replicate sample displayed elevated concentrations of most inorganics compared to the normal sample; the one site detection that drove risk (4,060 milligrams per kilogram [mg/kg] at the Plating Room Area) was greatly elevated compared to other site detections (22 mg/kg at the Reservoir Area was the second highest detected concentration); and the other site detections did not drive risk at either the Waste Oil Tank Area or the Reservoir Area. Therefore, the NYSDEC did not request that molybdenum be analyzed for during the current investigation.

ARARs. Other than those analytes that contributed to unacceptable risk, the following analytes were detected in site soil samples above calculated soil cleanup objectives: acetone in the Plating Room Area, and heptachlor epoxide in the Reservoir Area. Acetone is a common laboratory contaminant and, therefore, may not represent site contamination. The only heptachlor epoxide detected in the Reservoir Area was from a soil sample collected beneath the asphalt parking lot; therefore, no known source of heptachlor epoxide exists. As a result, the NYSDEC did not request that either analyte be analyzed for during the current investigation.

Background data were used for soil cleanup objectives for inorganic analytes. The following inorganic analytes exceeded background conditions: aluminum, barium, calcium, cadmium, copper, cyanide, selenium, and zinc. The NYSDEC did not request that these inorganic analytes be analyzed for during the current investigation because they did not contribute to unacceptable risk and because the majority of the site is covered by buildings and asphalt parking lots. Therefore, the potential for exposure to soil contamination is minimal.

2.1.2 Groundwater

Analytes that were detected in site groundwater samples and either contributed to unacceptable risk or exceeded ARARs are discussed below. The rationale for determining what analyses were performed on samples collected during the December 1995 sampling event is also explained below.

CARCINOGENIC RISK. Carcinogenic risk due to groundwater contamination was identified for future off-site 30-year residents and future on-site industrial workers. For future off-site 30-year residents, the following exposure pathways and analytes contributed to unacceptable risk:

- Dermal absorption of beryllium, p,p'-DDE, trichloroethene (TCE), and vinyl chloride in shower water;

- Ingestion of 1,1-dichloroethene (1,1-DCE), beryllium, TCE, and vinyl chloride in drinking water; and

- Inhalation of 1,1-DCE, bromodichloromethane, carbon tetrachloride, chloroform, methylene chloride, TCE, and vinyl chloride while showering.

For future on-site industrial workers, the following exposure pathway and analytes contributed to unacceptable risk:

- Ingestion of 1,1-DCE, beryllium, TCE, and vinyl chloride in drinking water.

Although beryllium contributed to unacceptable risk, it was detected in samples collected from groundwater monitoring wells at AFP 59 at concentrations below the New York State guidance value (no drinking water or ambient water quality standards exist for beryllium) and below the laboratory practical quantitation limit (PQL). Additionally, the presence of beryllium may be related to emissions from the adjacent NYSEG power plant rather than historical activities at AFP 59. For these reasons, the NYSDEC did not request that beryllium be analyzed for during the current investigation.

The detection of the pesticide p,p'-DDE in the deep zone of the aquifer appears to be unrelated to historical activities at AFP 59 because it was not detected in site soil samples or in the shallow zone of the aquifer. Therefore, no documented on-site source exists, and the p,p'-DDE is interpreted to have migrated to AFP 59 from an off-site, hydraulically upgradient source. Consequently, the NYSDEC did not request that p,p'-DDE be analyzed for during the current investigation.

The VOCs detected in groundwater samples collected from monitoring wells during the RI (November 28 through December 5, 1994) were also reported in previous studies (Fred C. Hart Associates, Inc., 1988; Argonne National Laboratory, 1994). As a result, one of the objectives of this investigation was to monitor VOC levels at select locations one year after the RI sampling to substantiate the earlier detections and to further delineate the extent of groundwater contamination. Section 2.2 outlines groundwater sampling procedures used during the December 1995 sampling event; Section 3.1.3.1 summarizes the analytical results from the groundwater sampling.

NONCARCINOGENIC RISK. Noncarcinogenic risk due to groundwater contamination was also identified for future off-site 30-year residents and future on-site industrial workers. For future off-site 30-year residents, the following exposure pathways and analytes contributed to unacceptable risk:

- Ingestion of thallium in drinking water; and
- Inhalation of cis-1,2-dichloroethene (cis-1,2-DCE) and TCE while showering.

For future on-site industrial workers, the following exposure pathway and analyte contributed to unacceptable risk:

- Ingestion of thallium in drinking water.

No definable on-site source exists for thallium because it was not detected in site soil samples or in the shallow zone of the aquifer. Additionally, thallium was only detected in one of the nine groundwater samples collected from deep monitoring wells. Therefore, thallium may have migrated to AFP 59 from an off-site, hydraulically upgradient source. The detection of thallium may also be related to emissions from the adjacent NYSEG power plant. Because the thallium detected in the site groundwater sample does not appear to be related to historical activities at AFP 59, the NYSDEC did not request that thallium be sampled for during the current investigation.

ARARs. In addition to those analytes that contributed to unacceptable risk, the following analytes (excluding VOCs) were detected in site groundwater samples above New York State drinking water standards: heptachlor, iron, lead, magnesium, and sodium. No apparent source exists for the pesticide because the majority of the plant property has been covered by impervious material (i.e., the plant and parking lots) since it was paved in 1959. Iron, magnesium, and sodium are common groundwater constituents, and lead did not contribute to unacceptable risk even using a conservative risk assessment model. For these reasons, the NYSDEC did not request that the above analytes be analyzed for during the current investigation.

2.1.3 Sediment

A human health risk assessment was not conducted for sediment in Little Choconut Creek because no complete exposure pathway was identified. However, because New York State sediment screening criteria are risk-based, they do allow for a preliminary assessment of risk. The organic analytes chrysene, methoxychlor, and phenanthrene exceeded their respective screening criteria thresholds in site samples but not in background samples. Chrysene and phenanthrene are polycyclic aromatic hydrocarbons (PAHs) that represent possible area-wide contamination related to emissions from the adjacent NYSEG power plant. Methoxychlor was only detected in the replicate sediment sample (not the normal sample) collected at CR04, which is located downstream of both the NYSEG and AFP 59 outfalls. It was not detected at the two sediment sampling locations immediately downstream of the AFP 59 outfalls or at the background sediment sampling locations. Consequently, methoxychlor may have migrated from the NYSEG outfall and not AFP 59. Additionally, none of the above three analytes were detected during the sediment sampling conducted by Argonne National Laboratory (1994) during their investigation of AFP 59.

The inorganic analytes arsenic, iron, lead, and mercury exceeded screening criteria in site samples but not in background samples. However, each of the four analytes was detected at a concentration only slightly above the "lowest effect level" established by the New York State screening criteria. Additionally, the presence of arsenic may be related to emissions from the adjacent NYSEG power plant, and the presence of mercury may be related to discharge from the NYSEG outfall (mercury was only detected at the sediment sampling location that is downstream of both the NYSEG and AFP 59 outfalls).

Although the organic and inorganic analytes detected in site sediment samples collected during the RI may not be related to historical activities at AFP 59, sediment samples collected during the current investigation were analyzed for semivolatile organic contaminants (SVOCs), pesticides, and metals at the request of the NYSDEC. Section 2.2 outlines sediment sampling procedures used during the December 1995 sampling event; Section 3.1.3.2 summarizes analytical results from the sediment sampling.

2.1.4 Surface Water

Analytes that were detected in site surface water samples and either contributed to unacceptable risk or exceeded ARARs are discussed below. The rationale for determining what analyses were performed on samples collected during the December 1995 sampling event is also explained below.

CARCINOGENIC RISK. Current recreational users of Little Choconut Creek are potentially exposed to unacceptable risk due to ingestion of bis(2-ethylhexyl)phthalate (BEHP), p,p'-DDD, and arsenic in contaminated fish. Arsenic (possibly related to emissions from the adjacent NYSEG power plant) contributed to unacceptable risk for both site and background samples; therefore, exposure to BEHP and p,p'-DDD drove site risk. However, the two analytes were only detected in the surface water sample collected at CR04, which is located downstream of both the NYSEG and AFP 59 outfalls. They were not detected in samples collected from the two surface water sampling locations immediately downstream of the AFP 59 outfalls or from the two background surface water sampling locations. Consequently, BEHP and p,p-DDD may have migrated from the NYSEG outfall and not AFP 59. Additionally, neither of the two analytes was detected in both the normal and duplicate samples collected at CR04, and neither was detected during previous surface water sampling conducted by Argonne National Laboratory (1994).

Although the analytes detected in site surface water samples collected during the RI may not be related to historical activities at AFP 59, surface water samples collected during the current investigation were analyzed for SVOCs, pesticides, and arsenic at the request of the NYSDEC. Section 2.2 outlines surface water sampling procedures used during the December 1995 sampling event; Section 3.1.3.3 summarizes analytical results from the surface water sampling.

ARARs. Other than those analytes that contributed to unacceptable risk, the following analytes were detected in site surface water samples above surface water standards: BHC (total), alpha endosulfan (endosulfan I), and iron. Although no apparent source exists for any of the three analytes detected above surface water standards, pesticides were analyzed for during the current investigation at the request of the NYSDEC. Section 2.2 outlines surface water sampling activities during the December 1995 sampling event; Section 3.1.3.3 summarizes analytical results from the surface water sampling.

2.1.5 Summary of Laboratory Analyses

Table 2-1 lists the total number of samples collected for each sample type (e.g., environmental sample, duplicate sample) by analytical method for soil, groundwater, sediment, and surface water.

TABLE 2-1
SUMMARY OF SAMPLE ANALYSES

Analytical Method	Environmental Samples	Trip Blanks	Ambient Conditions Blanks	Equipment Blanks	Replicate/ Duplicate Samples	Total Analyses
SOIL ANALYSES						
No soil sampling was conducted.						
GROUNDWATER ANALYSES						
SW8260 Volatile Organics	10	4	1	0[1]	1	16
SEDIMENT ANALYSES						
SW8270 Semivolatile Organics	2	0[2]	0[2]	1	1	4
SW8080 Pesticides/PCBs	2	0	0	1	1	4
SW6010, 7060, 7421, 7471, 7841 Metals	2	0	0	1	1	4
SURFACE WATER ANALYSES						
SW8270 Semivolatile Organics	2	0[2]	0[2]	0[3]	1	3
SW8080 Pesticides/PCBs	2	0	0	0	1	3
SW7060 Arsenic	2	0	0	0	1	3

[1] No equipment blanks were necessary during groundwater sampling because disposable bailers were used.
[2] No trip blanks or ambient conditions blanks were necessary during sediment and surface water sampling because no samples were analyzed for VOCs.
[3] No equipment blanks were necessary during surface water sampling because no sampling equipment was used that required decontamination.

Based on conclusions from the *Final RI Report* (EARTH TECH, 1996) and recommendations from the NYSDEC, samples from each environmental medium were analyzed for the following analytes:

- Soil: No additional sampling required;
- Groundwater: VOCs by Method SW8260;
- Sediment: SVOCs by Method SW8270, pesticides/polychlorinated biphenyls (PCBs) by Method SW8080, and metals by Methods SW6010, SW7060, SW7421, SW7471 and SW7841; and
- Surface Water: SVOCs by Method SW8270, pesticides/PCBs by Method SW8080, and arsenic by Method SW7060.

2.2 Sample Collection Procedures

GROUNDWATER SAMPLING. Groundwater sampling methods followed protocols presented in the *IRP Handbook* (USAF, 1993), the *RCRA Ground-Water Monitoring Technical Enforcement Guidance Document* (USEPA, 1986), and the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a). The objective of the groundwater sampling was to provide an additional round of analytical data to further characterize the extent of VOC contamination in site groundwater (including both the shallow and deep zones of the aquifer).

Groundwater sampling procedures included:

(1) Measuring groundwater levels in all on-site monitoring wells;

(2) Purging select on-site groundwater monitoring wells prior to sampling;

(3) Measuring field-derived parameters (including temperature, pH, and specific conductance) during monitoring well purging; and

(4) Collecting groundwater samples from the purged monitoring wells.

Groundwater purging and sampling records are provided in Appendix B.

SEDIMENT SAMPLING. Sediment sampling followed procedures presented in the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a). The objective of the sediment sampling was to verify or eliminate those analytes detected during the RI that exceeded New York State sediment screening criteria thresholds (see Section 2.1.3).

Sediment samples were collected as follows:

(1) Sediment and surface water sample pairs were collected from the same location in the stream. To avoid cross-contamination, the surface water sample was always collected prior to the sediment sample at each location. Sample pairs were collected first at the farthest downstream location, moving upstream for subsequent samples.

(2) Samples were collected in areas of similar environment at all locations. Samples were collected from active portions of the creek and from the side of the creek nearest AFP 59.

(3) Sediment samples were collected from 0 to 6 inches below the sediment-water interface with a hand auger. The sediment was removed from the hand auger with a stainless steel spoon and consolidated in a stainless steel bowl. Large pebbles were removed from the bowl before the sediment was placed in a laboratory-provided sample jar.

Sediment sampling records are provided in Appendix B.

SURFACE WATER SAMPLING. Surface water sampling followed procedures presented in the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a). The objective of the surface water sampling was to verify or eliminate those analytes detected during the RI that exceeded ARARs (see Section 2.1.4).

Surface water samples were collected as follows:

(1) Prior to collecting each surface water sample, the approximate sample location and depth were noted, as well as the temperature, pH, and conductivity of the creek water.

(2) A surface water sample was then collected by standing downstream of the sample location and submerging a laboratory-provided sample bottle into the water while positioning the bottle so the mouth faced upstream.

Surface water sampling records are provided in Appendix B.

SECTION 3.0

INVESTIGATION RESULTS

The results of the December 1995 sampling event at AFP 59 are summarized in this section. Section 3.1 summarizes the analytical results; Section 3.2 provides conclusions concerning the analytical and hydrogeological data. Chain-of-custody forms for the sampling event are provided in Appendix E and analytical data are provided in Appendices F through H.

3.1 Sampling and Analysis Results

This section summarizes the data collection activities completed during the December 1995 sampling event, presents the laboratory analytical results, and provides a trend analysis of identified VOCs.

3.1.1 Review of Field and Laboratory Data

All field procedures, sample handling documentation, and laboratory procedures followed protocols presented in the *Final Sampling and Analysis Plan* (EARTH TECH, 1994a) and *Final Work Plan* (EARTH TECH, 1994b). All analytical data generated as a result of the December 1995 sampling event were reported as Air Force Center for Environmental Excellence (AFCEE) Level II (USEPA Level III) data. Laboratory analyses were performed by Recra Environmental, Inc., located in Amherst, New York. Analytical protocols utilized in sample preparation, analysis, and reporting were in accordance with the specific analytical method and the guidelines given in the *IRP Handbook* (USAF, 1993). Analytical methods and Recra's associated method detection limits (MDLs) and PQLs are listed in Tables 3-1 and 3-2, respectively. No data validation was performed by EARTH TECH.

Qualifiers applied to the analytical data were assigned by the laboratory. The "J" qualifier indicates that the analyte was detected but that the reported concentration is estimated. The "J" qualifier was most commonly applied when analytes were detected below the PQL but above the MDL for organics or the instrument detection limit (IDL) for inorganics. The "J" qualifier was the only qualifier applied to the data.

3.1.2 Data Summary

The number and locations of groundwater, sediment, and surface water samples are outlined below by medium. Figure 3-1 shows the locations of the samples collected during the investigation.

TABLE 3-1
ANALYTICAL PARAMETERS AND METHOD DETECTION LIMITS FOR RECRA ENVIRONMENTAL

Parameter	Method Detection Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Semivolatile Organic Compounds (Method SW8270)		
Phenol	0.194	5.536
bis(2-Chloroethyl)ether	0.152	8.339
2-Chlorophenol	0.174	8.530
1,3-Dichlorobenzene	0.164	7.114
1,4-Dichlorobenzene	0.179	6.870
Benzyl Alcohol	0.155	7.542
1,2-Dichlorobenzene	0.150	7.046
2-Methylphenol	0.143	8.022
bis(2-Chloroisopropyl)ether	0.033	1.000
4-Methylphenol	0.117	7.078
N-Nitroso-di-n-propylamine	0.165	9.228
Hexachloroethane	0.166	7.351
Nitrobenzene	0.326	7.874
Isophorone	0.133	9.930
2-Nitrophenol	0.129	8.533
2,4-Dimethylphenol	0.157	5.805
Benzoic Acid	0.246	0.173
bis(2-Chloroethoxy)methane	0.143	9.531
2,4-Dichlorophenol	0.103	7.623
1,2,4-Trichlorobenzene	0.168	8.072
Naphthalene	0.131	7.341
4-Chloroaniline	0.067	7.700
Hexachlorobutadiene	0.193	8.129
4-Chloro-3-methylphenol	0.107	5.883
2-Methylnaphthalene	0.101	7.690
Hexachlorocyclopentadiene	0.178	8.336
2,4,6-Trichlorophenol	0.156	7.145
2,4,5-Trichlorophenol	0.161	5.766
2-Chloronaphthalene	0.137	8.476
2-Nitroaniline	0.128	5.882
Dimethylphthalate	0.150	6.005
Acenaphthylene	0.133	7.745
3-Nitroaniline	0.130	5.597
Acenaphthene	0.141	7.986
2,4-Dinitrophenol	0.146	3.769
4-Nitrophenol	0.115	3.506
Dibenzofuran	0.123	7.063
2,4-Dinitrotoluene	0.135	3.188

TABLE 3-1
ANALYTICAL PARAMETERS AND METHOD DETECTION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Method Detection Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Semivolatile Organic Compounds (Method SW8270) (Continued)		
N-Nitrosodiphenylamine	0.129	4.223
Anthracene	0.121	4.049
Benzo(a)anthracene	0.128	3.894
Benzo(b)fluoranthene	0.127	4.422
Benzo(k)fluoranthene	0.162	3.450
Benzo(g,h,i)perylene	0.153	2.812
Benzo(a)pyrene	0.143	2.708
bis(2-Ethylhexyl)phthalate	0.110	4.705
4-Bromophenylphenylether	0.141	5.729
Butylbenzylphthalate	0.116	5.216
4-Chlorophenyl phenyl ether	0.132	5.865
Chrysene	0.171	3.226
Dibenz(a,h)anthracene	0.162	2.025
Di-n-butylphthalate	0.134	4.328
3,3'-Dichlorobenzidine	0.054	5.385
Diethylphthalate	0.160	4.650
2,6-Dinitrotoluene	0.144	5.223
Di-n-octylphthalate	0.120	3.323
Fluoranthene	0.136	3.459
Fluorene	0.133	6.918
Hexachlorobenzene	0.181	4.925
Indeno(1,2,3-cd)pyrene	0.137	6.436
Phenanthrene	0.143	4.606
Pyrene	0.129	3.734
4,6-Dinitro-2-methylphenol	0.164	10.430
Pentachlorophenol	0.144	12.448
Organochlorine Pesticides & PCBs (SW8080)		
Aldrin	0.0002	0.174
alpha-BHC	0.0002	0.010
beta-BHC	0.0001	0.010
delta-BHC	0.0001	0.005
gamma-BHC (Lindane)	0.0001	0.009
Chlordane	0.0006	0.017
4,4'-DDD	0.0002	0.019
4,4'-DDE	0.0001	0.016
4,4'-DDT	0.0002	0.067
Dieldrin	0.0001	0.010
Endosulfan I	0.0002	0.126

TABLE 3-1
ANALYTICAL PARAMETERS AND METHOD DETECTION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Method Detection Limits	
	Soil (mg/kg)	Water (µg/L, unless otherwise indicated)
Organochlorine Pesticides & PCBs (Method SW8080) (Continued)		
Endosulfan II	0.0002	0.005
Endosulfan sulfate	0.0002	0.011
Endrin	0.0002	0.019
Endrin aldehyde	0.0002	0.016
Heptachlor	0.0002	0.018
Heptachlor epoxide	0.0002	0.014
Methoxychlor	0.0003	0.041
Toxaphene	0.0004	0.010
PCB-1016	--	--
PCB-1221	--	--
PCB-1232	--	--
PCB-1242	--	--
PCB-1248	--	--
PCB-1254	--	--
PCB-1260	--	--
Volatile Organics (Method SW8260 25 mL purge)		
Dichlorodifluoromethane	NA	0.177
Benzene	NA	0.152
Bromodichloromethane	NA	0.154
Bromoform	NA	0.088
Bromomethane	NA	0.186
2,2-Dichloropropane	NA	0.224
Carbon tetrachloride	NA	0.251
Chlorobenzene	NA	0.117
Chlorodibromomethane	NA	0.111
Chloroethane	NA	0.235
Trichlorofluoromethane	NA	0.184
Chloroform	NA	0.206
Chloromethane	NA	0.149
1,1-Dichloroethane	NA	0.167
1,2-Dichloroethane	NA	0.133
1,1-Dichloroethene	NA	0.209
trans-1,2-Dichloroethene	NA	0.171
1,2-Dichloropropane	NA	0.088
cis-1,3-Dichloropropene	NA	0.131
trans-1,3-Dichloropropene	NA	0.220

TABLE 3-1
ANALYTICAL PARAMETERS AND METHOD DETECTION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Method Detection Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Volatile Organics (Method SW8260 25 mL purge)		
Ethylbenzene	NA	0.167
cis-1,2-Dichloroethene	NA	0.170
Methylene chloride	NA	0.222
Bromochloromethane	NA	0.158
Styrene	NA	0.176
1,1,2,2-Tetrachloroethane	NA	0.254
Tetrachloroethene	NA	0.181
Toluene	NA	0.191
1,1,1-Trichloroethane	NA	0.161
1,1,2-Trichloroethane	NA	0.153
Trichloroethene	NA	0.153
1,1-Dichloropropene	NA	0.179
Vinyl chloride	NA	0.184
Total Xylenes	NA	0.443
n-Propyl Benzene	NA	0.209
Dibromomethane	NA	0.118
1,4-Dichlorobenzene	NA	0.250
1,2-Dichlorobenzene	NA	0.171
n-Butyl Benzene	NA	0.173
1,2-Dibromo-3-chloropropane	NA	0.374
1,2,4-Trichlorobenzene	NA	0.167
Naphthalene	NA	0.244
Hexachlorobutadiene	NA	0.245
1,2,3-Trichlorobenzene	NA	0.185
ICP Screen for Metals (Method SW6010)		
Aluminum (Al)	16.0	NA
Antimony (Sb)	5.0	NA
Arsenic (As)	--	NA
Barium (Ba)	2.0	NA
Beryllium (Be)	0.4	NA
Cadmium (Cd)	0.5	NA
Calcium (Ca)	100.0	NA
Chromium (Cr)	1.0	NA
Cobalt (Co)	3.5	NA
Copper (Cu)	1.0	NA
Iron (Fe)	3.0	NA
Lead (Pb)	--	NA

TABLE 3-1
ANALYTICAL PARAMETERS AND METHOD DETECTION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Method Detection Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
ICP Screen for Metals (Method SW6010) (Continued)		
Magnesium (Mg)	50	NA
Manganese (Mn)	1.0	NA
Molybdenum (Mo)	0.2	NA
Nickel (Ni)	0.14	NA
Potassium (K)	70	NA
Selenium (Se)	0.5	NA
Silver (Ag)	1.0	NA
Sodium (Na)	100.0	NA
Thallium (Tl)	--	NA
Vanadium (V)	2.0	NA
Zinc (Zn)	1.3	NA
Mercury (SW7471)		
Mercury	0.02	NA
Arsenic (SW7060)		
Arsenic	0.3	0.003
Lead (SW7421)		
Lead	0.3	NA
Thallium (SW7841)		
Thallium	0.3	NA

Key: NA = Not applicable

TABLE 3-2
ANALYTICAL PARAMETERS AND PRACTICAL QUANTITATION LIMITS FOR RECRA ENVIRONMENTAL

Parameter	Practical Quantitation Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Semivolatile Organic Compounds (Method SW8270)		
Phenol	0.330	10
bis(2-Chloroethyl)ether	0.330	10
2-Chlorophenol	0.330	10
1,3-Dichlorobenzene	0.330	10
1,4-Dichlorobenzene	0.330	10
Benzyl Alcohol	0.330	10
1,2-Dichlorobenzene	0.330	10
2-Methylphenol	0.330	10
bis(2-Chloroisopropyl)ether	0.330	10
4-Methylphenol	0.330	10
N-Nitroso-di-n-propylamine	0.330	10
Hexachloroethane	0.330	10
Nitrobenzene	0.330	10
Isophorone	0.330	10
2-Nitrophenol	0.330	10
2,4-Dimethylphenol	0.330	10
Benzoic Acid	1.600	50
bis(2-Chloroethoxy)methane	0.330	10
2,4-Dichlorophenol	0.330	10
1,2,4-Trichlorobenzene	0.330	10
Naphthalene	0.330	10
4-Chloroaniline	0.330	10
Hexachlorobutadiene	0.330	10
4-Chloro-3-methylphenol	0.330	10
2-Methylnaphthalene	0.330	10
Hexachlorocyclopentadiene	0.330	10
2,4,6-Trichlorophenol	0.330	10
2,4,5-Trichlorophenol	0.800	25
2-Chloronaphthalene	0.330	10
2-Nitroaniline	1.600	50
Dimethylphthalate	0.330	10
Acenaphthylene	0.330	10
3-Nitroaniline	1.600	50
Acenaphthene	0.330	10
2,4-Dinitrophenol	1.600	50
4-Nitrophenol	1.600	50
Dibenzofuran	0.330	10
2,4-Dinitrotoluene	0.330	10

TABLE 3-2
ANALYTICAL PARAMETERS AND PRACTICAL QUANTITATION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Practical Quantitation Limits	
	Soil (mg/kg)	Water (µg/L, unless otherwise indicated)
Semivolatile Organic Compounds (Method SW8270) (Continued)		
N-Nitrosodiphenylamine	0.330	10
Anthracene	0.330	10
Benzo(a)anthracene	0.330	10
Benzo(b)fluoranthene	0.330	10
Benzo(k)fluoranthene	0.330	10
Benzo(g,h,i)perylene	0.330	10
Benzo(a)pyrene	0.330	10
bis(2-Ethylhexyl)phthalate	0.330	10
4-Bromophenylphenylether	0.330	10
Butylbenzylphthalate	0.330	10
4-Chlorophenyl phenyl ether	0.330	10
Chrysene	0.330	10
Dibenz(a,h)anthracene	0.330	10
Di-n-butylphthalate	0.330	10
3,3'-Dichlorobenzidine	0.660	20
Diethylphthalate	0.330	10
2,6-Dinitrotoluene	0.330	10
Di-n-octylphthalate	0.330	10
Fluoranthene	0.330	10
Fluorene	0.330	10
Hexachlorobenzene	0.330	10
Indeno(1,2,3-cd)pyrene	0.330	10
Phenanthrene	0.330	10
Pyrene	0.330	10
4,6-Dinitro-2-methylphenol	1.600	50
Pentachlorophenol	1.600	50
Organochlorine Pesticides & PCBs (SW8080)		
Aldrin	0.008	0.050
alpha-BHC	0.008	0.050
beta-BHC	0.008	0.050
delta-BHC	0.008	0.050
gamma-BHC (Lindane)	0.008	0.050
Chlordane	0.080	0.500
4,4'-DDD	0.016	0.100
4,4'-DDE	0.016	0.100
4,4'-DDT	0.016	0.100
Dieldrin	0.016	0.100
Endosulfan I	0.016	0.100

TABLE 3-2
ANALYTICAL PARAMETERS AND PRACTICAL QUANTITATION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Practical Quantitation Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Organochlorine Pesticides & PCBs (Method SW8080) (Continued)		
Endosulfan II	0.016	0.100
Endosulfan sulfate	0.016	0.100
Endrin	0.016	0.100
Endrin aldehyde	0.032	0.200
Heptachlor	0.008	0.050
Heptachlor epoxide	0.008	0.050
Methoxychlor	0.080	0.500
Toxaphene	0.160	1.000
PCB-1016	0.040	0.500
PCB-1221	0.080	0.500
PCB-1232	0.040	0.500
PCB-1242	0.040	0.500
PCB-1248	0.040	0.500
PCB-1254	0.040	1.000
PCB-1260	0.040	1.000
Volatile Organics (Method SW8260 25 mL purge)		
Dichlorodifluoromethane	NA	0.5
Benzene	NA	0.5
Bromodichloromethane	NA	0.5
Bromoform	NA	0.5
Bromomethane	NA	0.5
2,2-Dichloropropane	NA	0.5
Carbon tetrachloride	NA	0.5
Chlorobenzene	NA	0.5
Chlorodibromomethane	NA	0.5
Chloroethane	NA	0.5
Trichlorofluoromethane	NA	0.5
Chloroform	NA	0.5
Chloromethane	NA	0.5
1,1-Dichloroethane	NA	0.5
1,2-Dichloroethane	NA	0.5
1,1-Dichloroethene	NA	0.5
trans-1,2-Dichloroethene	NA	0.5
1,2-Dichloropropane	NA	0.5
cis-1,3-Dichloropropene	NA	0.5
trans-1,3-Dichloropropene	NA	0.5

TABLE 3-2
ANALYTICAL PARAMETERS AND PRACTICAL QUANTITATION LIMITS FOR RECRA ENVIRONMENTAL

Continued

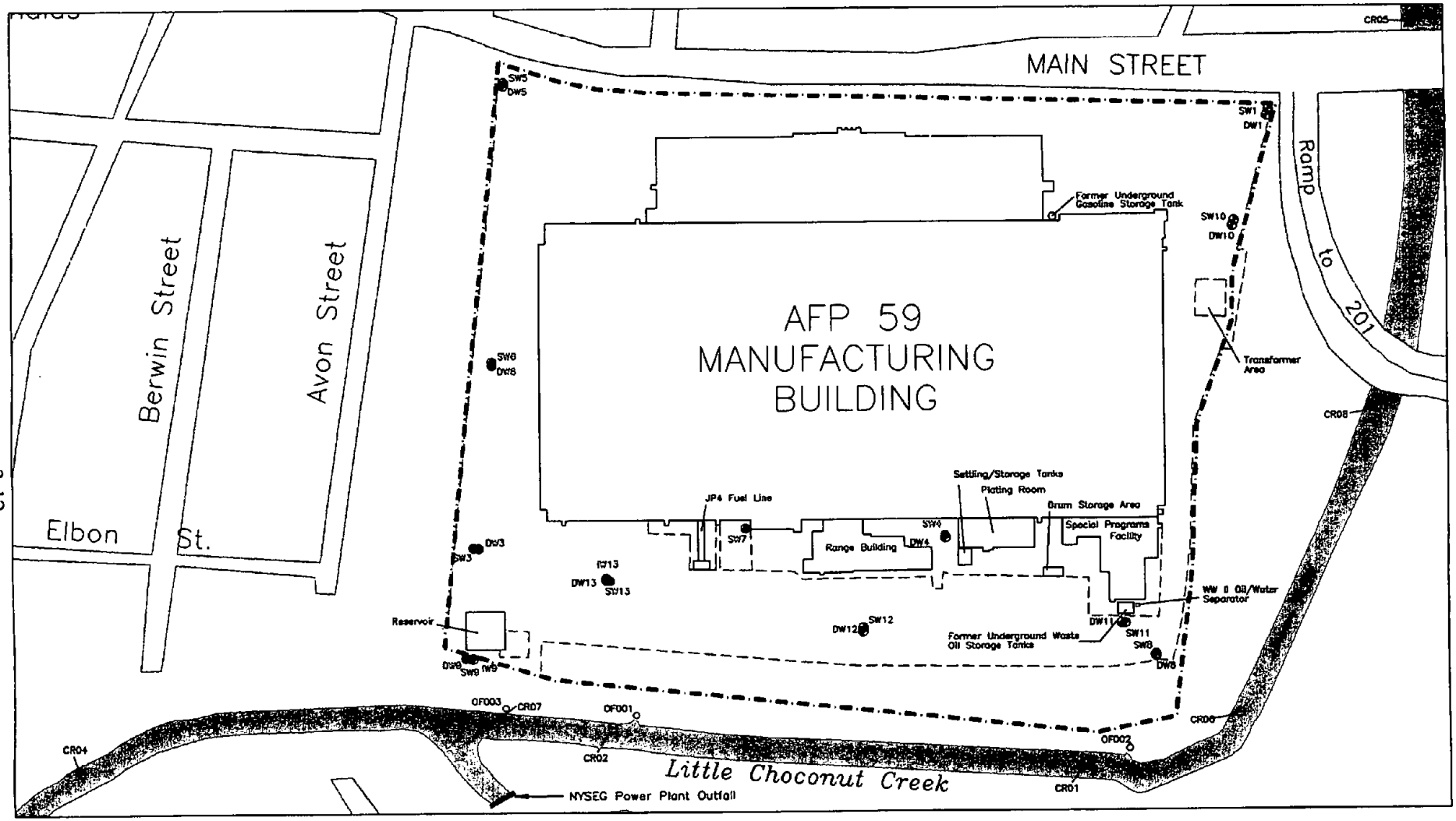
Parameter	Practical Quantitation Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
Volatile Organics (Method SW8260 25 mL purge)		
Ethylbenzene	NA	0.5
cis-1,2-Dichloroethene	NA	0.5
Methylene chloride	NA	0.5
Bromochloromethane	NA	0.5
Styrene	NA	0.5
1,1,2,2-Tetrachloroethane	NA	0.5
Tetrachloroethene	NA	0.5
Toluene	NA	0.5
1,1,1-Trichloroethane	NA	0.5
1,1,2-Trichloroethane	NA	0.5
Trichloroethene	NA	0.5
1,1-Dichloropropene	NA	0.5
Vinyl chloride	NA	0.5
Total Xylenes	NA	0.5
n-Propyl Benzene	NA	0.5
Dibromomethane	NA	0.5
1,4-Dichlorobenzene	NA	0.5
1,2-Dichlorobenzene	NA	0.5
n-Butyl Benzene	NA	0.5
1,2-Dibromo-3-chloropropane	NA	0.5
1,2,4-Trichlorobenzene	NA	0.5
Naphthalene	NA	0.5
Hexachlorobutadiene	NA	0.5
1,2,3-Trichlorobenzene	NA	0.5
ICP Screen for Metals (Method SW6010)		
Aluminum (Al)	20	NA
Antimony (Sb)	6.0	NA
Arsenic (As)	--	NA
Barium (Ba)	20	NA
Beryllium (Be)	0.5	NA
Cadmium (Cd)	0.5	NA
Calcium (Ca)	500	NA
Chromium (Cr)	1.0	NA
Cobalt (Co)	5.0	NA
Copper (Cu)	2.5	NA
Iron (Fe)	10	NA
Lead (Pb)	--	NA

TABLE 3-2
ANALYTICAL PARAMETERS AND PRACTICAL QUANTITATION LIMITS FOR RECRA ENVIRONMENTAL

Continued

Parameter	Practical Quantitation Limits	
	Soil (mg/kg)	Water (μg/L, unless otherwise indicated)
ICP Screen for Metals (Method SW6010) (Continued)		
Magnesium (Mg)	500	NA
Manganese (Mn)	1.5	NA
Molybdenum (Mo)	--	NA
Nickel (Ni)	4	NA
Potassium (K)	500	NA
Selenium (Se)	0.5	NA
Silver (Ag)	1.0	NA
Sodium (Na)	500	NA
Thallium (Tl)	--	NA
Vanadium (V)	5.0	NA
Zinc (Zn)	2.0	NA
Mercury (SW7471)		
Mercury	0.2	NA
Arsenic (SW7060)		
Arsenic	1.0	0.010
Lead (SW7421)		
Lead	0.5	NA
Thallium (SW7841)		
Thallium	1.0	NA

Key: NA = Not applicable



LEGEND

- AFP 59 Property Boundary
- Fence
- OF003 – AFP 59 Outfall
- DW12 – AFP 59 Monitoring Well
- DW3 – AFP 59 Monitoring Well Sampled in December 1995
- CR04 – RI Surface Water/Sediment Sampling Location
- CR08 – December 1995 Surface Water/Sediment Sampling Location

0 115 230

SCALE IN FEET

EARTH TECH

FIGURE 3-1

AFP 59
SAMPLING LOCATIONS
DECEMBER 1995

0626RI2.DWG/0626 3-1.PLT

3.1.2.1 Groundwater. Figure 3-1 shows the location of the 10 monitoring wells that were sampled during the December 1995 sampling event. The following monitoring wells were sampled:

- Shallow monitoring wells SW3, SW4, SW6, SW7, SW9, and SW13;
- Intermediate monitoring well IW13; and
- Deep monitoring wells DW3, DW6, and DW9.

3.1.2.2 Sediment and Surface Water. Figure 3-1 shows the location of the two sediment and surface water sample pairs collected from Little Choconut Creek during the December 1995 sampling event. Creek location CR07, located immediately downstream of Outfall 003, represents site conditions. Creek location CR08, located upstream of the AFP 59 outfalls, represents background conditions. Surveying data for the two sediment and surface water sampling locations are presented in Appendix C.

3.1.3 Site and Background Contaminants

This section discusses contaminants by medium. No background monitoring wells were sampled during the groundwater sampling; therefore, only site contaminants are presented in the groundwater results section. Site and background creek locations were sampled during sediment and surface water sampling; therefore, site and background contaminants are presented in the sediment and surface water results section.

3.1.3.1 Groundwater. The analytical results for groundwater samples collected from monitoring wells installed in the shallow and deep zones of the aquifer are discussed separately below. Results for groundwater samples collected from the intermediate monitoring well are discussed with the data from the shallow monitoring wells. The analytical results for all groundwater samples collected during the December 1995 sampling event are summarized in Table 3-3. Appendix F provides a complete listing of all groundwater analytical results.

SHALLOW ZONE OF THE AQUIFER. VOCs detected in groundwater samples are shown in Figure 3-2. Table 3-4 summarizes all VOCs detected in one or more groundwater samples from the shallow zone, the number of samples above the MDL, the minimum and maximum concentrations detected, and the location of the maximum concentration.

With the exception of the groundwater sample collected at SW13, VOCs were detected in all groundwater samples collected from the shallow zone of the aquifer. The majority of the VOCs detected were chlorinated hydrocarbons, although trace levels (concentrations below the laboratory PQLs) of two petroleum hydrocarbons (toluene and m,p-xylenes) were detected at IW13. The maximum concentrations of chlorinated hydrocarbons were generally detected at SW4 and SW7.

TABLE 3-3
AIR FORCE PLANT 59
GROUNDWATER DATA SUMMARY FOR VOCS

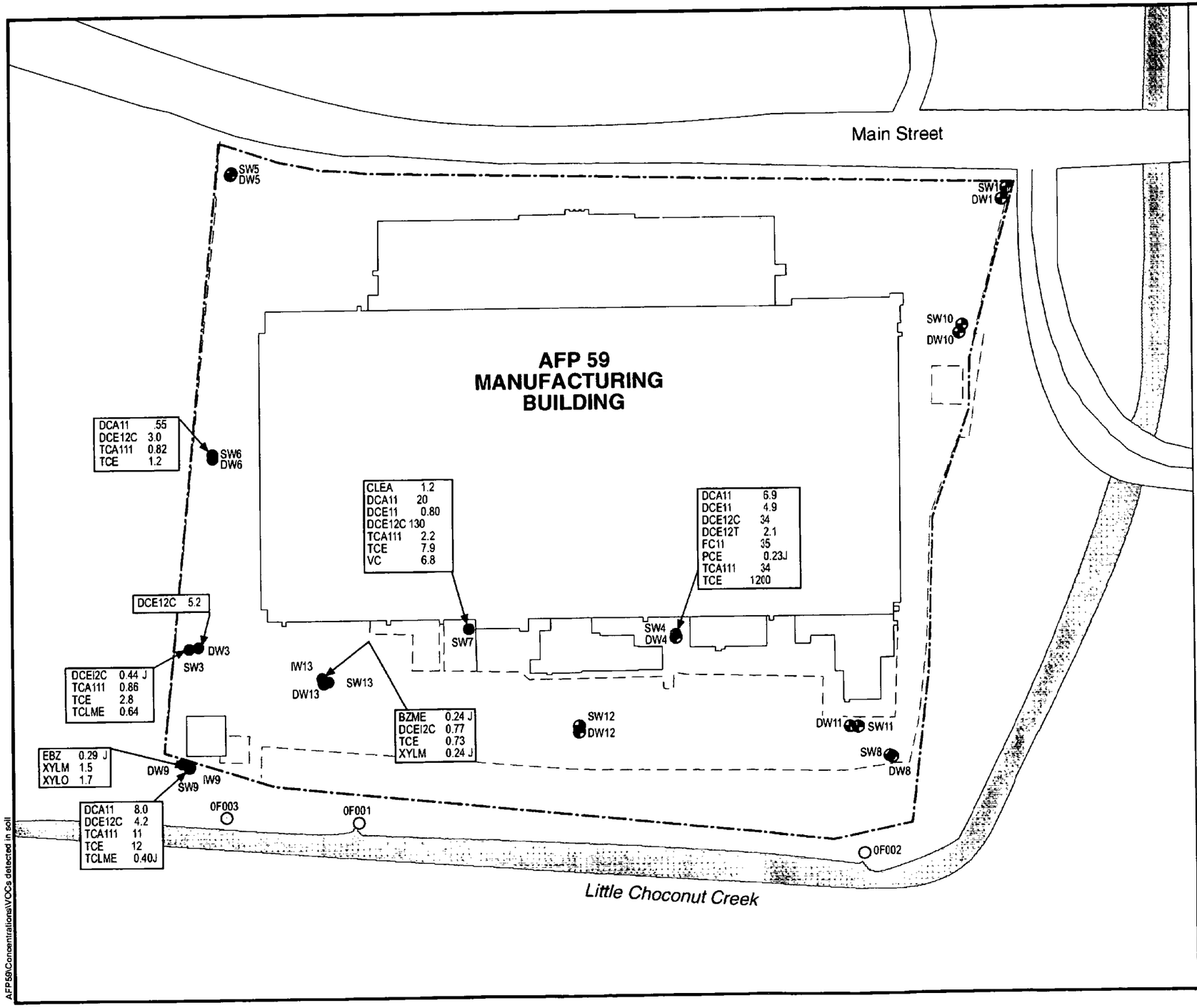
Parameters	POL	Action Levels (1)	Environmental Samples (ug/L)				
			Field ID 59DW3WG1 Lab ID A5651002	59DW6WG1 A5648901	59DW9WG1 A5651004	59IW13WG1 A5653104	59SW3WG1 A5651003
Toluene	0.5	5	ND	ND	ND	0.24 J	ND
Chloroethane	0.5	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	5	5.2	ND	ND	0.77	0.44 J
trans-1,2-Dichloroethene	0.5	5	ND	ND	ND	ND	ND
Ethylbenzene	0.5	5	ND	ND	0.29 J	ND	ND
Trichlorofluoromethane	0.5	5	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	5	ND	ND	ND	ND	0.86
Trichloroethene	0.5	5	ND	ND	ND	0.73	2.8
Chloroform	0.5	100	ND	ND	ND	ND	0.64
Vinyl chloride	0.5	2	ND	ND	ND	ND	ND
m,p-Xylenes	0.5	5	ND	ND	1.5	0.24 J	ND
o-Xylene	0.5	5	ND	ND	1.7	ND	ND

Parameters	POL	Action Levels (1)	Environmental Samples (ug/L)				
			Field ID 59SW4WG1 Lab ID A5653903	59SW4WG1RE A5653903DL(2)	59SW4WG9 A5653904	59SW4WG9RE A5653904DL(2)	59SW6WG1 A5648902
Toluene	0.5	5	ND	ND	ND	ND	ND
Chloroethane	0.5	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5	5	6.5	ND	6.9	ND	0.55
1,1-Dichloroethene	0.5	5	4.4	ND	4.9	ND	ND
cis-1,2-Dichloroethene	0.5	5	30	21	34	25	3.0
trans-1,2-Dichloroethene	0.5	5	1.9	ND	2.1	ND	ND
Ethylbenzene	0.5	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.5	5	41 J	27	44 J	35	ND
Tetrachloroethene	0.5	5	0.22 J	ND	0.23 J	ND	ND
1,1,1-Trichloroethane	0.5	5	34	19	34	24	0.82
Trichloroethene	0.5	5	690 J	1000	710 J	1200	1.2
Chloroform	0.5	100	ND	ND	ND	ND	ND
Vinyl chloride	0.5	2	ND	ND	ND	ND	ND
m,p-Xylenes	0.5	5	ND	ND	ND	ND	ND
o-Xylene	0.5	5	ND	ND	ND	ND	ND

TABLE 3-3
AIR FORCE PLANT 59
GROUNDWATER DATA SUMMARY FOR VOCS

Parameters	PQL	Action Levels (1)	Environmental Samples (ug/L)				
			Field ID 59SW7WG1 Lab ID A5653902	59SW7WG1RE A5653902DL(3)	59SW9WG1 A5653102	59SW13WG1 A5653103	
Toluene	0.5	5	ND	ND	ND	ND	
Chloroethane	0.5	5	1.2	ND	ND	ND	
1,1-Dichloroethane	0.5	5	20	19	8.0	ND	
1,1-Dichloroethene	0.5	5	0.80	ND	ND	ND	
cis-1,2-Dichloroethene	0.5	5	120 J	130	4.2	ND	
trans-1,2-Dichloroethene	0.5	5	ND	ND	ND	ND	
Ethylbenzene	0.5	5	ND	ND	ND	ND	
Trichlorofluoromethane	0.5	5	ND	ND	ND	ND	
Tetrachloroethene	0.5	5	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.5	5	2.2	2.1	11	ND	
Trichloroethene	0.5	5	7.9	8.1	12	ND	
Chloroform	0.5	100	ND	ND	0.40 J	ND	
Vinyl chloride	0.5	2	6.8	6.6	ND	ND	
m,p-Xylenes	0.5	5	ND	ND	ND	ND	
o-Xylene	0.5	5	ND	ND	ND	ND	

(1) NY Drinking Water Standard
(2) Sample diluted by a factor of 50.0
(3) Sample diluted by a factor of 5.0
Qualifiers: J = Estimated



LEGEND

- AFP 59 Property Boundary
- Fence
- AFP 59 Monitoring Well
- AFP 59 Monitoring Well Sampled in December 1995
- AFP 59 Outfall

BZME	=	toluene
CLEA	=	chloroethane
DCA11	=	1,1-dichloroethane
DCE11	=	1,1-dichloroethene
DCE12C	=	cis-1,2-dichloroethene
DCE12T	=	trans-1,2-dichloroethene
EBZ	=	ethylbenzene
FC11	=	trichlorofluoromethane
PCE	=	tetrachloroethene
TCA111	=	1,1,1-trichloroethane
TCE	=	trichloroethene
TCLME	=	chloroform
VC	=	vinyl chloride
XYLM	=	m,p-xylene
XYLO	=	o-xylene

J = Estimated

Note: Concentrations are reported in µg/L.
If no data are presented at a monitoring well location, no VOCs were detected in the groundwater.

At locations where duplicates were collected, the maximum concentration is presented.

0 100 200

SCALE IN FEET

N

EARTH TECH

FIGURE 3-2

VOCs Detected in Groundwater

TABLE 3-4
VOCs DETECTED IN SHALLOW ZONE GROUNDWATER SAMPLES

Analyte	Number of Samples Above MDL	Range (µg/L)		Location of Maximum Detection
		Minimum Detected	Maximum Detected	
1,1,1-Trichloroethane	6 of 8	0.82	34	SW4
1,1-Dichloroethane	5 of 8	0.55	20	SW7
1,1-Dichloroethene	3 of 8	0.8	4.9	SW4
Chloroethane	1 of 8	1.2	1.2	SW7
cis-1,2-Dichloroethene	7 of 8	0.44	130	SW7
Tetrachloroethene	2 of 8	0.22	0.23	SW4
Toluene	1 of 8	0.24	0.24	IW13
trans-1,2-Dichloroethene	2 of 8	1.9	2.1	SW4
Trichloroethene	7 of 8	0.73	1200	SW4
Trichlorofluoromethane	2 of 8	27	35	SW4
Trichloromethane (Chloroform)	2 of 8	0.40	0.64	SW3
Vinyl Chloride	1 of 8	6.8	6.8	SW7
m,p-Xylenes	1 of 8	0.24	0.24	IW13

Key: µg/L = Micrograms per liter
MDL = Method detection limit

Note: Only analytes detected in one or more samples are included in this summary table.

The following maximum concentrations were detected at SW4: TCE at 1,200 micrograms per liter (μg/L); 1,1,1-trichloroethane (1,1,1-TCA) at 34 μg/L; 1,1-DCE at 4.9 μg/L; tetrachloroethene (PCE) at 0.23 μg/L; trans-1,2-dichloroethene (trans-1,2-DCE) at 2.1 μg/L; and trichlorofluoromethane at 0.23 μg/L. The following maximum concentrations were detected at SW7: cis-1,2-DCE at 130 μg/L; 1,1-DCA at 20 μg/L; vinyl chloride at 6.8 μg/L; and chloroethane at 1.2 μg/L. The concentrations of chlorinated hydrocarbons decrease downgradient of these locations, along the western border of the plant. Maximum concentrations of TCE and 1,1,1-TCA along the western border are 12 μg/L and 11 μg/L, respectively, at SW 9. The chlorinated hydrocarbons most frequently detected in the shallow zone were 1,1,1-TCA and its breakdown products (1,1-DCA, cis-1,2-DCE, 1,1-DCE, vinyl chloride, and chloroethane) and TCE and its breakdown products (cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, vinyl chloride, and chloroethane).

DEEP ZONE OF THE AQUIFER. Fewer VOCs were detected in groundwater samples from the deep monitoring wells than in groundwater samples from the shallow monitoring wells (see Figure 3-2). Table 3-5 summarizes all VOCs detected in one or more groundwater samples from the deep zone of the aquifer, the number of samples above the MDL, the minimum and maximum concentrations detected, and the location of the maximum concentration.

Three of the four VOCs detected were petroleum hydrocarbons, with the exception being cis-1,2-DCE, a chlorinated hydrocarbon. Each VOC was detected in one monitoring well, with the petroleum hydrocarbons being detected in the groundwater sample collected from DW9 and the chlorinated hydrocarbon being detected in the groundwater sample collected from DW3. The VOCs were detected at the following concentrations: cis-1,2-DCE at 5.2 μg/L; ethylbenzene at 0.29 μg/L; m,p-xylenes at 1.5 μg/L; and o-xylene at 1.7 μg/L.

3.1.3.2 ***Sediment.*** Analytical results for sediment samples collected from Little Choconut Creek are summarized in Tables 3-6 and 3-7. A total of three sediment samples, including one replicate, were collected from two locations: CR07 and CR08. Table 3-8 summarizes organic and inorganic analytes detected in site and background sediments, the maximum concentrations detected, and the location of the maximum detection. Appendix G provides a complete listing of all sediment analytical results.

The following SVOCs were detected at both CR07 and CR08: BEHP, benzo(b)fluoranthene, benzo(k)fluoranthene, and fluoranthene. Benzo(g,h,i)perylene was only detected at CR07; chrysene and phenanthrene were only detected at CR08. All SVOCs were detected at trace levels (concentrations below the laboratory PQLs). No pesticides or PCBs were detected in any of the three samples.

Inorganic analytes detected in the site samples (the normal and replicate samples at CR07) exceeded their respective background (CR08) concentrations for the following inorganics: aluminum, arsenic, barium, cadmium, chromium, cobalt, copper, iron, molybdenum, nickel, selenium, thallium, and vanadium.

TABLE 3-5
VOCs DETECTED IN DEEP ZONE GROUNDWATER SAMPLES

Analyte	Number of Samples Above MDL	Range (µg/L)		Location of Maximum Detection
		Minimum Detected	Maximum Detected	
cis-1,2-Dichloroethene	1 of 3	5.2	5.2	DW3
Ethylbenzene	1 of 3	0.29	0.29	DW9
m,p-Xylenes	1 of 3	1.5	1.5	DW9
o-Xylene	1 of 3	1.7	1.7	DW9

Key: µg/L = Micrograms per liter
MDL = Method detection limit

Note: Only analytes detected in one or more samples are included in this summary table.

TABLE 3-6
AIR FORCE PLANT 59
SEDIMENT DATA SUMMARY FOR SVOCS

Parameters	POL	Action Levels (1)	Environmental Samples (mg/kg)									
			Field ID	59CR07SE1		59CR07SE9		59CR08SE1				
			Depth	0.00-0.50		0.00-0.50		0.00-0.50				
			Lab ID	A5648802		A5648804		A5648806				
bis(2-ethylhexyl)phthalate	0.330			0.06	J	0.09	J	0.1	J			
Benzo(b)fluoranthene	0.330			0.06	J	0.02	J	0.06	J			
Benzo(g,h,i)perylene	0.330			0.03	J	ND		ND				
Benzo(k)fluoranthene	0.330			0.03	J	ND		0.03	J			
Chrysene	0.330			ND		ND		0.08	J			
Fluoranthene	0.330			0.08	J	ND		0.07	J			
Phenanthrene	0.330			ND		ND		0.03	J			

(1) Samples were not analyzed for total organic carbon; therefore, no sediment screening criteria were calculated.
Qualifiers: J = Estimated

TABLE 3-7
AIR FORCE PLANT 59
SEDIMENT DATA SUMMARY FOR METALS

Parameters	POL	Action Levels (1)	Environmental Samples (mg/kg)			
Field ID			59CR07SE1	59CR07SE9	59CR08SE1	
Depth			0.00-0.50	0.00-0.50	0.00-0.50	
Lab ID			A5648802	A5648804	A5648806	
Aluminum (Al)	20		7290	8530	7230	
Arsenic (As)	1.0		7.4	7.5	6.9	
Barium (Ba)	20		39.4	44.1	34.7	
Calcium (Ca)	500		2190	3330	51700	
Cadmium (Cd)	0.5		1.5	1.5	ND	
Cobalt (Co)	5.0		6.4	6.7	4.8	J
Chromium (Cr)	1.0		24.3	22.3	9.4	
Copper (Cu)	2.5		22.3	22.7	14.8	
Iron (Fe)	10		17900	21700	20700	
Potassium (K)	500		301 J	408 J	447	J
Magnesium (Mg)	500		2950	3400	4050	
Manganese (Mn)	1.5		301	347	389	
Molybdenum (Mo)			0.23	0.98	ND	
Nickel (Ni)	4.0		16.4 J	20.8 J	16.8	J
Lead (Pb)	0.5		19.8	19.3	24.3	
Selenium (Se)	0.5		2.6	2.1	1.8	
Thallium (Tl)	1.0		1.1 J	ND	ND	
Vanadium (V)	5.0		8.5	9.6	8.8	
Zinc (Zn)	2.0		78.2	98.7	107	

(1) Samples were not analyzed for total organic carbon; therefore, no sediment screening criteria were calculated.
Qualifiers: J = Estimated

TABLE 3-8
ORGANICS AND INORGANICS DETECTED IN SITE AND BACKGROUND SEDIMENT SAMPLES

Analyte	Background Detection (mg/kg)	Site Detection[1] (mg/kg)	Location of Maximum Detection
Benzo(b)fluoranthene	0.06	0.06	CR07/CR08
Benzo(k)fluoranthene	0.03	0.03	CR07/CR08
Benzo(g,h,i)perylene	ND	0.03	CR07
bis(2-Ethylhexyl)phthalate	0.1	0.09	CR08
Chrysene	0.08	ND	CR08
Fluoranthene	0.07	0.08	CR07
Phenanthrene	0.03	ND	CR08
Aluminum	7,230	8,530	CR07
Arsenic	6.9	7.5	CR07
Barium	34.7	44.1	CR07
Cadmium	ND	1.5	CR07
Calcium	51,700	3,330	CR08
Chromium	9.4	24.3	CR07
Cobalt	4.8	6.7	CR07
Copper	14.8	22.7	CR07
Iron	20,700	21700	CR07
Lead	24.3	19.8	CR08
Magnesium	4,050	3,400	CR08
Manganese	389	347	CR08
Molybdenum	ND	0.98	CR07
Nickel	16.8	20.8	CR07
Potassium	447	408	CR08
Selenium	1.8	2.6	CR07
Thallium	ND	1.1	CR07
Vanadium	8.8	9.6	CR07
Zinc	107	98.7	0

Key: mg/kg = Milligrams per kilogram ND = Not detected

[1] Site sediment samples include the normal and replicate samples collected at CR07.

Note: Only analytes detected in one or more samples are included in this summary table.

3.1.3.3 ***Surface Water.*** No site or background contaminants were detected during laboratory analysis of the surface water samples. Surface water samples were analyzed for SVOCs, pesticides/PCBs, and arsenic. Appendix H provides a complete listing of all surface water analytical results.

3.1.4 Trend Analysis

Table 3-9 presents concentrations of the most frequently detected chlorinated hydrocarbons in groundwater at AFP 59 over time; only monitoring wells that were sampled two or more times are included in the table. In the groundwater samples collected from the shallow monitoring wells during the December 1995 sampling event, concentrations of the chlorinated hydrocarbons generally decreased relative to the December 1994 sampling event in monitoring wells SW6 (although cis-1,2-DCE was detected for the first time) and SW7. Concentrations remained relatively constant in monitoring wells SW3 (although cis-1,2-DCE was detected for the first time), SW13 (no detections in 1994 or 1995), and IW13 (although TCE and cis-1,2-DCE were detected for the first time). Concentrations generally increased in monitoring wells SW4 and SW9. Concentrations of chlorinated hydrocarbons in the deep monitoring wells sampled during the December 1995 sampling event (DW3, DW6, and DW9) remained the same or decreased relative to the December 1994 sampling event. No chlorinated hydrocarbons were detected in DW6 or DW9, and concentrations decreased in DW3.

Variations in sediment chemical concentrations over time may be due in large part to spatial variability because different locations were sampled during each sampling event. These data do not necessarily provide trends in chemical concentrations and, therefore, are not included in this discussion. Historical surface water data are also not included because these data can be impacted by temporal changes in discharge to the creek from upgradient sources.

TABLE 3-9
TREND ANALYSIS OF VOCs IN GROUNDWATER

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	11DCE	12DCE	11DCA
SW1	Sept. 1986						
	Jan. 1992	0.5					
	Dec. 1994						
DW1	Jan. 1992	0.6					
	Dec. 1994					1.8 (c)	
SW3	Sept. 1986		6				
	Jan. 1992	12	9				5
	Dec. 1994	0.50	1.8				
	Dec. 1995	0.86	2.8			0.44 (c)	
DW3	Jan. 1992	0.3					0.3
	Dec. 1994			0.28		36 (c)	0.26
	Dec. 1995					5.2 (c)	
SW4	Jan. 1992	2	97		0.3		0.6
	Dec. 1994	20	370		2.1	19 (c)	8.5
	Dec. 1995	34	1200		4.9	2.1 (t) 34 (c)	6.9
DW4	Jan. 1992	0.9	0.2				
	Dec. 1994		1.2			0.28 (c)	
SW5	Jan. 1992	0.3					
	Dec. 1994						
DW5	Jan. 1992	2					
	Dec. 1994						
SW6	Jan. 1992	1	1				0.2
	Dec. 1994	2.3	1.8				1.6
	Dec. 1995	0.82	1.2			3.0 (c)	0.55
DW6	Jan. 1992						
	Dec. 1994						
	Dec. 1995						

TABLE 3-9
TREND ANALYSIS OF VOCs IN GROUNDWATER

Continued

Well ID	Date Sampled	Concentration of Analyte in Groundwater (µg/L)					
		TCA	TCE	VC	11DCE	12DCE	11DCA
SW7	Jan. 1992	0.2	0.4				
	Dec. 1994	4.6	15	6.2	1	0.3(t)/ 150(c)	33
	Dec. 1995	2.2	7.9	6.8	0.80	130 (c)	20
DPW	Sept. 1986	9	11			66 (t)	16
	Jan. 1992	3	7				3
	Dec. 1994	1.2	4				2.4
SW8	Jan. 1992		1.3				
	Dec. 1994		0.65			8.84 (c)	
DW8	Jan. 1992	0.6					
	Dec. 1994						
SW9	Jan. 1992	15.2	10				2
	Dec. 1994	1.8	2.4			0.67 (c)	0.62
	Dec. 1995	11	12			4.2 (c)	8.0
DW9	Jan. 1992	0.2					
	Dec. 1994						
	Dec. 1995						
SW13	Dec. 1994						
	Dec. 1995						
IW13	Dec. 1994						
	Dec. 1995		0.73			0.77 (c)	

Key:

µg/L	=	Micrograms per liter
(c)	=	cis-1,2-Dichloroethene
(t)	=	trans-1,2-Dichloroethene
TCA	=	1,1,1-Trichloroethane
TCE	=	Trichloroethene
VC	=	Vinyl Chloride
11DCE	=	1,1-Dichloroethene
12DCE	=	1,2-Dichloroethene
11DCA	=	1,1-Dichloroethane

Note: For 1992 data, the maximum value of either round A or B of sampling was used. A blank space indicates the analyte was not detected during the sampling event.

SECTION 4.0

CONCLUSIONS

This section provides conclusions from analytical and hydrogeological data generated as a result of the December 1995 sampling event. The conclusions address each of the objectives of the investigation. Section 4.1 discusses the significance of the analytical results; Section 4.2 evaluates groundwater flow directions at AFP 59 based on December 1995 groundwater level measurements.

4.1 Analytical Results

The following two objectives were defined in Section 1.0 for the analytical data generated from the December 1995 sampling event:

- To provide another round of groundwater samples from select locations to further characterize the extent of VOC contamination in site groundwater, and
- To verify or eliminate those chemicals of potential concern identified in the *Final RI Report* (EARTH TECH, 1996) that contributed to unacceptable risk.

Section 4.1.1 evaluates the analytical results for VOCs and assesses the extent of VOC contamination at AFP 59. Section 4.1.2 evaluates analytical results for SVOCs, pesticides/PCBs, and metals, and discusses whether or not analytes outlined in Section 2.1 can be eliminated as chemicals of potential concern.

4.1.1 VOC Analyses

VOCs detected in groundwater samples collected from the shallow and deep zones of the aquifer during the December 1995 sampling event are similar to the VOCs that have been detected during previous investigations. Chlorinated hydrocarbons are the most commonly detected VOCs in site groundwater, with TCE, 1,1,1-TCA, and cis-1,2-DCE being the most commonly detected chlorinated hydrocarbons. VOC concentrations detected in groundwater samples from the shallow zone of the aquifer were consistently higher than VOC concentrations detected in groundwater samples from the deep zone of the aquifer.

The highest concentrations of VOCs were generally detected in groundwater samples collected from SW4 and SW7, along the south-central edge of the plant and downgradient of the Plating Room. Although there are elevated concentrations of VOCs in the shallow zone of the aquifer at AFP 59, the concentrations of the VOCs decrease rapidly downgradient in the direction of the

Camden Street Wellfield. In the short distance downgradient from monitoring wells SW4 and SW7 to the monitoring wells along the western boundary of AFP 59, the maximum concentrations of TCE (1,200 µg/L at SW4), 1,1,1-TCA (34 µg/L at SW4), and cis-1,2-DCE (130 µg/L at SW7) decrease to 12 µg/L, 11 µg/L, and 4.2 µg/L, respectively, at SW9. Monitoring well SW9 is the only shallow well sampled along the western boundary that had detections above New York State drinking water standards. Additionally, very few VOCs were detected in the groundwater samples collected from monitoring wells SW13 and IW13, both located downgradient of the Plating Room (the suspected source of groundwater contamination) and screened in the shallow zone of the aquifer; no VOCs were detected at SW13 and detections at IW13 were below 1 µg/L. Therefore, with the exception of the TCE and 1,1,1-TCA detected in the groundwater sample collected from monitoring well SW9, groundwater in the shallow zone of the aquifer that migrates off-site toward the Camden Street Wellfield complies with New York State drinking water standards.

Four VOCs were detected in groundwater samples collected from the deep monitoring wells. Cis-1,2-DCE was the only chlorinated hydrocarbon detected in the deep zone of the aquifer; it was detected at 5.2 µg/L in the groundwater sample collected from monitoring well DW3. Although this detection exceeds the New York State drinking water standard of 5 µg/L (the Federal maximum contaminant level [MCL] is 70 µg/L), it is lower than the 36 µg/L detected at DW3 in December 1994. In addition to the cis-1,2-DCE detection, the petroleum hydrocarbons ethylbenzene, m,p-xylenes, and o-xylene were each detected in the groundwater sample collected from monitoring well DW9 at concentrations of 0.29 µg/L, 1.5 µg/L, and 1.7 µg/L, respectively. Therefore, with the exception of the cis-1,2-DCE detected in the groundwater sample collected from monitoring well DW3, groundwater in the deep zone of the aquifer that migrates off-site toward the Camden Street Wellfield complies with New York State drinking water standards.

A trend analysis of chlorinated hydrocarbon levels over time at AFP 59 is presented in Section 3.1.4. The analysis indicates that levels are generally increasing in monitoring well SW4 and decreasing in monitoring well SW7 (see Table 3-9).

4.1.2 SVOC, Pesticide/PCB, and Metals Analyses

The following analytes were analyzed for during the December 1995 sampling event because they were identified as chemicals of potential concern in the *Final RI Report* (EARTH TECH, 1996): chrysene, phenanthrene, methoxychlor, arsenic, iron, lead, and mercury in Little Choconut Creek sediment; and BEHP, alpha endosulfan (endosulfan I), BHC (total), p,p'-DDD, and arsenic in Little Choconut Creek surface water. The purpose of sampling for these analytes was to verify or eliminate them as chemicals of potential concern.

Chrysene, phenanthrene, methoxychlor, lead, and mercury can be eliminated as chemicals of potential concern in site sediment for the following reasons: methoxychlor and mercury were not detected in site or background samples; chrysene and phenanthrene were detected in the background sample but not in site samples; and lead was detected at a higher concentration in the background sample than in the site samples. The maximum detections of arsenic (7.5 mg/kg) and iron (21,700 mg/kg) in site sediment samples exceeded detections of arsenic (6.9 mg/kg) and iron

(20,700 mg/kg) in the background sediment sample. Therefore, these analytes cannot be immediately eliminated as chemicals of potential concern. However, because site and background concentrations are very similar, the site detections may be the result of background contamination.

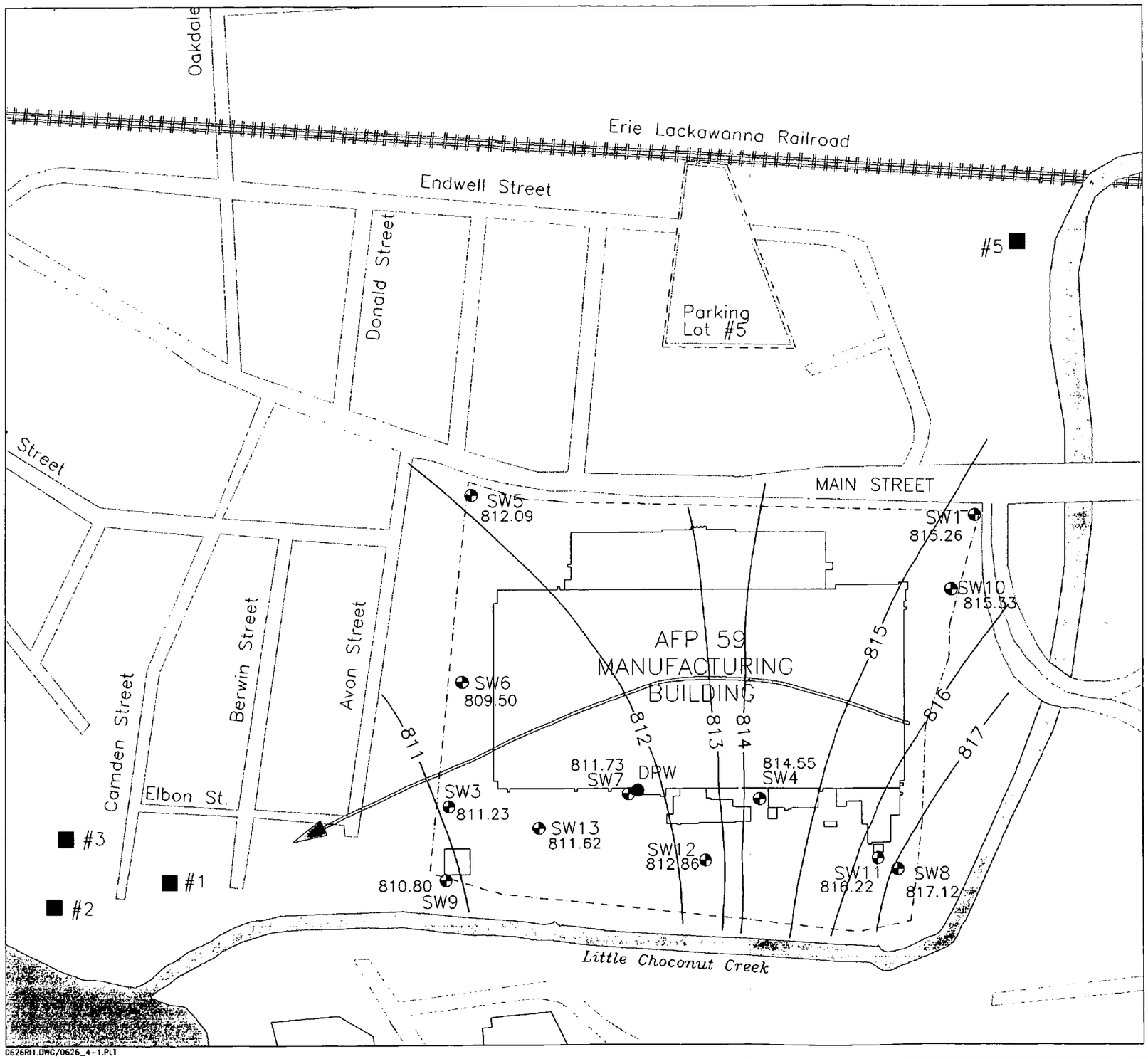
No contaminants were detected in site or background surface water samples. Therefore, BEHP, alpha endosulfan (endosulfan I), BHC (total), p,p'-DDD, and arsenic can be eliminated as chemicals of potential concern in surface water.

4.2 Hydrogeological Results

Prior to groundwater sampling, groundwater level measurements were collected from all on-site monitoring wells to further evaluate the direction of groundwater flow beneath AFP 59 in the shallow and deep zones of the aquifer. Depths to groundwater (static water levels) were measured in the 12 shallow monitoring wells, 2 intermediate monitoring wells, and 11 deep monitoring wells located at AFP 59. Groundwater elevations were then calculated and used to create the potentiometric surface maps illustrated in Figures 4-1 and 4-2.

Figures 4-1 and 4-2 illustrate groundwater contours and flow directions in the shallow and deep zones of the aquifer, respectively, on December 5, 1995. The general groundwater flow direction in both zones of the aquifer beneath AFP 59 is westerly to southwesterly toward the Camden Street Wellfield. This groundwater flow direction coincides with groundwater flow directions reported in the *Final RI Report* (EARTH TECH, 1996).

Although pumping records from the on-site deep production well are not available for the 24-hour period preceding the groundwater level measurements, the groundwater contours in both zones of the aquifer suggest that the production well was not in operation immediately prior to measuring the groundwater levels and collecting the groundwater samples. If the production well had been in operation, the potentiometric surface maps would likely contain a conical depression around the area of the production well, especially in the deep zone of the aquifer where the production well is screened. This effect was evident during the pumping test conducted in December 1994 as part of the RI field investigation. Neither map shows groundwater flow being deflected from the expected regional groundwater flow pattern. Therefore, the production well was probably inactive prior to measuring the groundwater levels and collecting the groundwater samples.



0626R11.DWG/0625_4-1.PLT

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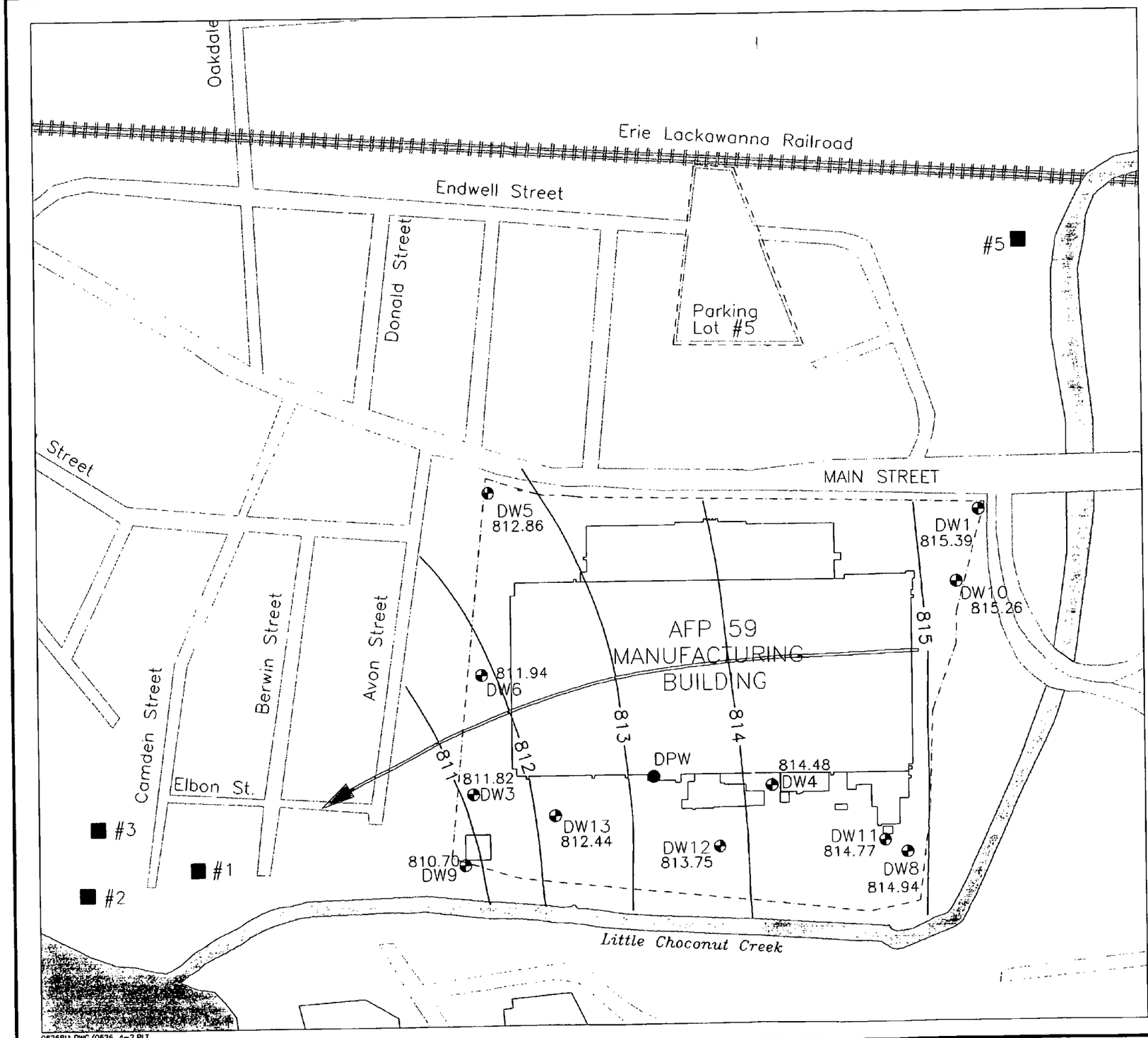
FIGURE 4-1

POTENTIOMETRIC SURFACE AND GROUNDWATER FLOW AT AFP 59 (SHALLOW WELLS) DECEMBER 5, 1995



LEGEND

DW4	AFP 59 MONITORING WELL
DPW	AFP 59 INDUSTRIAL PRODUCTION WELL
#2	JOHNSON CITY WATER SUPPLY WELL
819.23	GROUNDWATER ELEVATION (FEET MSL)
	GROUNDWATER ELEVATION CONTOUR (FEET MSL)
	GROUNDWATER FLOW DIRECTION
	AFP 59 BOUNDARY

CONTOUR INTERVAL = 1FT.

0 125 250

SCALE IN FEET

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FIGURE 4-2

POTENTIOMETRIC SURFACE AND GROUNDWATER FLOW AT AFP 59 (DEEP WELLS) DECEMBER 5, 1995

0626R11.DWG/0626_4-2.PLT

APPENDIX A

REFERENCES

APPENDIX A

REFERENCES

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APPENDIX B

FIELD DATA

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/7/95 RCZ 3/18/96 | Well ID: SW3 | Sample Number: 595W3WG1 | Recorded By: DBE
Project Name: AFP 59 | Well Location: | Duplicate Number: | Checked By: RCZ
Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion | Purging Equipment: pump
PID #: HNu | Sampling Equipment: Disposable teflon bailer
Electric Sounder #: Solinist

WELL DATA

Elevation: | Water Column in Well: 11.07 | Total Vol. Extr.: 110 gal
Well Diameter: 2" | Borehole Diameter: 8" | Ambient PID: —
Well Depth: 30.81' (TOC) | Water Column in Borehole: 11.07 | Well Mouth PID: —
Depth to Well Water: 19.74 | ~~Standing Water Vol.~~ 1 WBV: 37 gal

Ground Condition of Well:
Remarks:

PURGING

	1	2	3	4
Time	1111	1122	1140	
Rate (gpm)				
Temperature (°F)	15.70°C	15.0°C	14.7°C	
pH	9.45	8.60	8.43	
Conductivity (uS/cm)	926	811	819	
Vol. Purged (gal)	32gal	65gal	110gal	
Remarks	4 NTU	3 NTU	1 NTU	

Turbidity (NTUs)

SAMPLING

	1	2

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1150					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/7/95 Well ID: DW3 Sample Number: 596w3wG1 Recorded By: DBR
Project Name: AFP 59 Well Location: Duplicate Number: Checked By: RCT
Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Pump
PID #: HNu Sampling Equipment: Disposable teflon bailer
Electric Sounder #: Solinist

WELL DATA

Elevation: Water Column in Well: 70.75 Total Vol. Extr.: 315gal
Well Diameter: 4" Borehole Diameter: 6" Ambient PID: —
Well Depth: 88' (TOC) Water Column in Borehole: 70.78 Well Mouth PID: —
Depth to Well Water: 17.22 ~~Standing Water Vol.~~: 1 WBV: 121gal

Ground Condition of Well:
Remarks:

	PURGING				SAMPLING		
	1	2	3	4	1	2	
Time	0845	0852	0907	0926	0932	0945	
Rate (gpm)							
Temperature (°F)	12.4°C	12.4°C	12.2°C	11.6°C	12.4°C	12.2°C	
pH	8.26	7.87	7.77	7.65	7.62	7.59	
Conductivity (µS/cm)	1231	1248	1226	1228	1229	1224	
Vol. Purged (gal)	50gal	100gal	150gal	200gal	250gal	305gal	365gal
Remarks	28NTU	3NTU	2NTU	1NTU	1NTU	1NTU	

Turbidity (ntu's)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1000					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/9/95 Well ID: SW4 Sample Number: 595W4WG1 Recorded By: DSReed

Project Name: AFP 59 Well Location: Duplicate Number: 595W4WG9 Checked By: RCE

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Pump

PID #: HNu Sampling Equipment: Disposable teflon bailer

Electric Sounder #: Solinist

WELL DATA

Elevation: Water Column in Well: 14.7 ft Total Vol. Extr.: 102 gal

Well Diameter: 2" Borehole Diameter: 8" Ambient PID: —

Well Depth: 29' (TOC) Water Column in Borehole: 14.7 ft Well Mouth PID: —

Depth to Well Water: 14.3 ft ~~Standing Water Vol.~~: 1 WBV: 49 gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	1116	1118	1300			
Rate (gpm)	1gal/2min					
Temperature (°F)	16.3°C	16.6°C	16.6°C			
pH	7.82	7.71	7.91			
Conductivity (µS/cm)	1059	1067	1073			
Vol. Purged (gal)	45gal	75gal	100gal			
Remarks	3NTU	4NTU	4NTU			

Turbidity (ortho)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1320					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/6/95 Well ID: SW6 Sample Number: 595W6WG1 Recorded By: DBR

Project Name: AFP 59 Well Location: West side Duplicate Number: Checked By: RCZ

Project Number: 449033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: bail

PID #: HNu Sampling Equipment: disposable teflon bailer

Electric Sounder #: Solinist

WELL DATA

Elevation: Water Column in Well: 11.81ft Total Vol. Extr.: 72gal

Well Diameter: 2" Borehole Diameter: 8" Ambient PID: —

Well Depth: 29' (TOC) Water Column in Borehole: 11.81ft Well Mouth PID: —

Depth to Well Water: 17.19ft ~~Standing Water Vol.~~: 1 WBV: 39.5gal

Ground Condition of Well: concrete pad damaged

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	1201					
Rate (gpm)						
Temperature (°F)	14.9°C					
pH	8.21					
Conductivity (µS/cm)	1334					
Vol. Purged (gal)	22gal					
Remarks	72 NTU					

Turbidity (after)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1535					
Analytical Param	VOCs					
Volume Required	2x40ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/6/95 Well ID: DW6 Sample Number: 59DW6WG1 Recorded By: DBR
Project Name: AFP 59 Well Location: West of plant Duplicate Number: Checked By: RCT
Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Grundfos
PID #: HNu Sampling Equipment: disposable teflon bailer
Electric Sounder #: Solinst

WELL DATA

Elevation: Water Column in Well: 49.93 ft Total Vol. Extr.: 110 gal.
Well Diameter: 4" Borehole Diameter: 6" Ambient PID: —
Well Depth: 66.5' (TOC) Water Column in Borehole: 49.93 ft Well Mouth PID: —
Depth to Well Water: 16.57 ft ~~Standing Water~~ Vol.: 1 WBV: 85gal
Ground Condition of Well:
Remarks:

PURGING

	1	2	3	4
Time	1025	1255	1325	1350
Rate (gpm)	1 gal/min	1/2 gal/min		
Temperature (°F)	13.8°C	13.9°C		11.4°C
pH	10.71	9.23 ~~10.0~~		8.02
Conductivity (µS/cm)	520	802		804
Vol. Purged (gal)	12 gal	72 gal		110 gal
Remarks	130 NTU	277 NTU	Well Dry	Collected sample

Turbidity (after)

SAMPLING

	1	2

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1350					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	NO					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/9/95 Well ID: SW7 Sample Number: 59SW7WG1 Recorded By: DB Ross

Project Name: AFP 59 Well Location: Duplicate Number: Checked By: RCZ

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Pump

PID #: HNu Sampling Equipment: Disposable teflon bailer

Electric Sounder #: Solinist

WELL DATA

Elevation:

Well Diameter: 2" Water Column in Well: 6.34ft Total Vol. Extr.: 65 gal.

Well Depth: 26.5' (TOC) Borehole Diameter: 8" Ambient PID: —

Depth to Well Water: 20.16ft Water Column in Borehole: 6.34ft Well Mouth PID: —

~~Standing Water Vol.~~: 1 WBV: 21.2 gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	0817	0830	0836			
Rate (gpm)						
Temperature (°F)	15.4°C	14.8°C	14.7°C			
pH	7.28	7.60	7.41			
Conductivity (uS/cm)	1368	1273	1266			
Vol. Purged (gal)	18gal	40gal	62gal			
Remarks	42 NTU	23 NTU	14 NTU			

Turbidity (ntu's)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	0845					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/8/95 Well ID: SW9 Sample Number: 95SW9GW01 Recorded By: DBR

Project Name: AFP 59 Well Location: Duplicate Number: Checked By: RCZ

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: pump

PID #: HNu Sampling Equipment: disposable teflon bailer

Electric Sounder #: Solinst

WELL DATA

Elevation: Water Column in Well: 7.00 Total Vol. Extr.: 75 gal

Well Diameter: 2" Borehole Diameter: 8" Ambient PID: —

Well Depth: 27.58 (TOC) Water Column in Borehole: 7.00 Well Mouth PID: —

Depth to Well Water: 20.58 ~~Standing Water Vol.~~: 1 WBV: 23.4 gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	0809	0819	0830			
Rate (ppm)	2gal/min					
Temperature (°F)	17.6°C	16.9°C	16.9°C			
pH	7.47	7.66	7.69			
Conductivity (uS/cm)	783	717	696			
Vol. Purged (gal)	20gal	40gal	70gal			
Remarks	3NTU	2NTU	2 NTU			

Turbidity (ntu)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	0930					
Analytical Param	VOCs					
Volume Required	2x40ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIO

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12-7-95 Well ID: DW9 Sample Number: 59DW9GW01 Recorded By: DBR

Project Name: AFP 59 Well Location: Duplicate Number: Checked By: RCZ

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Pump

PID #: HNu Sampling Equipment: Disposable Teflon bailer

Electric Sounder #: Solinst

WELL DATA

Elevation: Water Column in Well: 72.39 Total Vol. Extr.: 375gal

Well Diameter: 4" Borehole Diameter: 6" Ambient PID: —

Well Depth: 93' (TOC) Water Column in Borehole: 72.39 Well Mouth PID: —

Depth to Well Water: 20.61 ~~Standing Water Vol.~~: 1 well vol: 125gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	1450	1525	1600			
Rate (gpm)	~~7min/25gal~~	~~25gal/7min~~				
Temperature ~~(°F)~~ °C	11.8°C	11.3°C	11.9°C			
pH	8.18	8.04	7.88			
Conductivity (µS/cm)	1354	1286	1288			
Vol. Purged (gal)	125gal	250gal	375gal			
Remarks	7NTU	3 NTU	2NTU			

Turbidity (ntu)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1610					
Analytical Param	VOCs					
Volume Required	2x 40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/8/95 Well ID: SW13 Sample Number: 595W13WG1 Recorded By: DBR

Project Name: APP SF Well Location: Duplicate Number: Checked By: RCZ

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Pump

PID #: HNu Sampling Equipment: disposable teflon bailer

Electric Sounder #: Solinist

WELL DATA

Elevation: Water Column in Well: 12ft Total Vol. Extr.: 120gal

Well Diameter: 2" Borehole Diameter: 8" Ambient PID: —

Well Depth: 28.7' (TOC) Water Column in Borehole: 12ft Well Mouth PID: —

Depth to Well Water: 16.70 ~~Standing Water Vol.~~: 1 WBV = 40gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	1124	1134	1145			
Rate (ppm)						
Temperature (°F)	12.9°C	12.8°C	12.9°C			
pH	8.05	7.71	7.48			
Conductivity (µS/cm)	1683	1483	1482			
Vol. Purged (gal)	40 gal	82gal	120gal			
Remarks	23NTU	6 NTU	5NTU			

Turbidity (ntu's)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1155					
Analytical Param	VOCs					
Volume Required	3x40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

0461.FIG

GROUNDWATER PURGING AND SAMPLING RECORD

Date: 12/8/95 Well ID: IW13 Sample Number: 59IW13WG1 Recorded By: DBR

Project Name: AFP 59 Well Location: Duplicate Number: Checked By: RCZ

Project Number: 949033-09

EQUIPMENT

pH/Conductivity/Temperature Meter #: Orion Purging Equipment: Grundfos pump

PID #: HNu Sampling Equipment: disposable teflon bailer

Electric Sounder #: Solinist

WELL DATA

Elevation: Water Column in Well: 19.14 ft Total Vol. Extr.: 192gal

Well Diameter: 2" Borehole Diameter: ~~8~~ 8" Ambient PID: —

Well Depth: 35.8' (TOC) Water Column in Borehole: 19.14ft Well Mouth PID: —

Depth to Well Water: 16.66ft ~~Standing Water Vol.~~: 1 WOV: ~~192~~ 64gal

Ground Condition of Well:

Remarks:

	PURGING				SAMPLING	
	1	2	3	4	1	2
Time	1418	1428	1448			
Rate (gpm)						
Temperature (°F)	12.9°C	12.9°C	12.9°C			
pH	8.12	7.68	7.73			
Conductivity (µS/cm)	1655	1633	1625			
Vol. Purged (gal)	70gal	~~148~~ gal	192gal			
Remarks	89 NTU	54NTU	32 NTU			

Turbidity (ntu's)

COLLECTED SAMPLES

	1	2	3	4	5	6
Sample Time	1500					
Analytical Param	VOCs					
Volume Required	~~2~~ 40 ml VOAs					
Preservation	HCl					
Field Filtered	No					
Time						

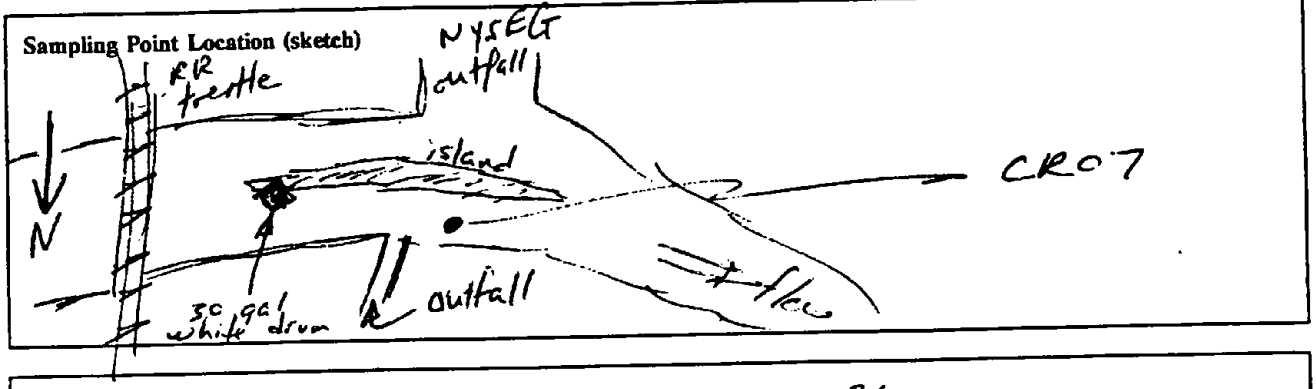
0461.FIO

SURFACE WATER SAMPLING RECORD

Project Name: AFP 59
Location: SS 7
Site: Little Chocount Creek
Recorded By: David Arse
Checked By: Robert Zapletal

Project Number: 949033-09
Sample Number: 59CR07WS1
Duplicate Number: 59CR07WS9
Date: 12/5/95
Date: 3/19/96

Sampling Point Location (sketch)



Water Parameters

Before Sampling: pH 9.40 EC 225 µS/cm Temperature 3.0°C
After Sampling: pH 9.40 EC 230 µS/cm Temperature 2.6°C

Sampling Information

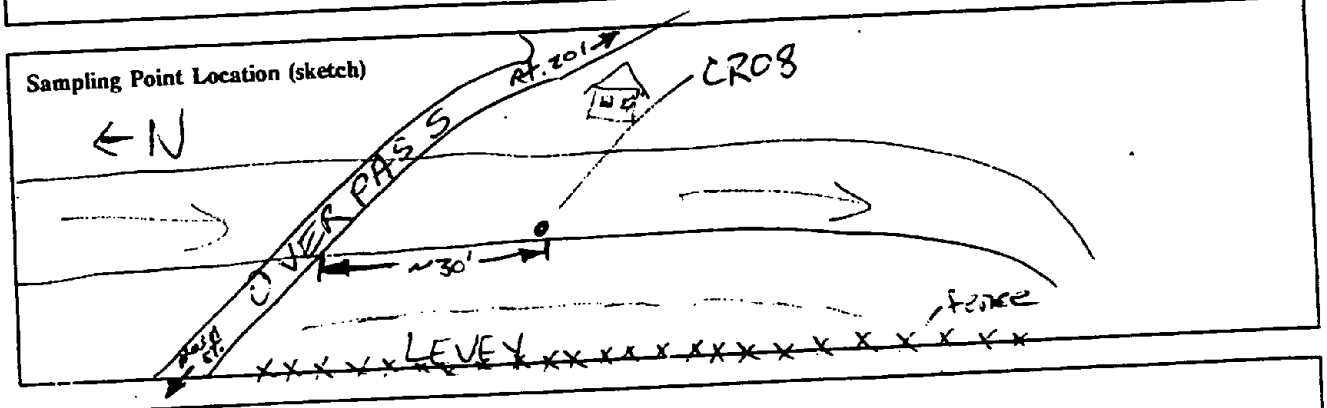
Analytical Parameter	Sampling Depth	✓ If Field Filtered	Preservation Method	Volume Required	Sample Bottle IDs
SVOCs	0-6"		None	2-1l amber	59CR07WS1 / 59CR07WS9
Pest/PCBs	↓		None	1-1l amber	↓
Arsenic	↓		HNO_3	1-1l plastic	↓

0461.FIG

SURFACE WATER SAMPLING RECORD

Project Name: AFP 59
Project Number: 949033-09
Location: SSB
Sample Number: 59CR08WS1
Site: Little Chocoaunt Creek (background)
Duplicate Number: —
Recorded By: Donna Rios
Date: 12-5-95
Checked By: Robert Zapletal
Date: 3/19/96

Sampling Point Location (sketch)



Water Parameters

Before Sampling: pH 9.39 EC 262 µS/cm Temperature 2.5°C
After Sampling: pH 9.39 EC 240 µS/cm Temperature 2.5°C

Sampling Information

Analytical Parameter	Sampling Depth	✓ If Field Filtered	Preservation Method	Volume Required	Sample Bottle IDs
SVOCs	0-6"		None	2-1l amber	59CR08WS1
Pest/PCBs	↓		None	1-1l amber	↓
Arsenic	↓		HNO_3	1-1l plastic	↓

0461.FIG

SOIL/SEDIMENT SAMPLING RECORD

Project Name AFP 59
Project Number 949033-09
Location SS7
Sample Number 59CR07SE1
Recorded By David Parse
Duplicate Number 59CR07SE9
Date 12/5/95
Checked By Robert Zapleta
Site Little Chocowt Creek
Date 3/19/96

Sampling Equipment Hand Auger

Sample Type Soil (Sediment) Rock

Sample Type Description USCS Soil Type Sand + Gravel
Color brown
Odor none
Depth 0-6"
Number of Samples normal + duplicate
Comments lots of gravel - had to pick out gravel for samples

Sampling Point (sketch)

See surface water sample 59CR07WS1 record for 59CR07SE1 sketch

Decontamination

Equipment: ☒ Hand auger/0, Nalcid
Type
☐ Trowel
☐ Other

Decontamination Fluids:
☒ Steam/Hot Water
☒ Detergent/Water
☒ Potable Water
☒ Deionized Water
☒ Methanol
☒ Hexane
☐ HNO_3; dilution
☐ Other

* analyzed for SVOCs + Pesticides/PCBs + ~~Arsenic~~ Metals (metals by SW6010, SW7060, SW7421, SW7471)

0461.FIG

SOIL/SEDIMENT SAMPLING RECORD

Project Name: AFP 59
Project Number: 949033-09
Location: SS 8
Sample Number: 59CR08SE1
Recorded By: Donna Rios
Duplicate Number: —
Date: 12-5-95
Checked By: robert Zapletal
Site: Little Chocouint Creek (background)
Date: 3/19/96

Sampling Equipment: Hand Auger

Sample Type: Soil (Sediment) Rock

Sample Type Description: USCS Soil Type: Sand & Gravel
Color: brown
Odor: none
Depth: 0-6"
Number of Samples: normal
Comments: lots of gravel - had to pick out gravel for sediment samples

Sampling Point (sketch)

see surface water sample 59CR08WS1 record for 59CR08SE1 sketch

Decontamination

Equipment: ☒ Hand auger ID. Nalgene
Type
☐ Trowel
☐ Other

Decontamination Fluids:
☒ Steam/Hot Water
☒ Detergent/Water
☒ Potable Water
☒ Deionized Water
☒ Methanol
☒ Hexane
☐ HNO_3; dilution
☐ Other

0461.FIO

* Analyzed for SVOCs + Pesticides/PCBs + Metals (metals by SW6010, SW7060, SW7421, SW7471

APPENDIX C

SURVEYING DATA

APPENDIX C

SURVEYING DATA

Surface Water and Sediment Sample ID	Northing	Easting	Creek Bed Elevation (Feet MSL)	
59CR07	770261.843	664989.870	814.84	
59CR08	770754.187	666389.305	818.50	
Monitoring Well ID	**Northing**	**Easting**	**Top of Casing Elevation (Feet MSL)**	**Ground Surface Elevation (Feet MSL)**
59SW6	770829.099	664978.429	829.05	829.27

APPENDIX D

MONITORING WELL CONSTRUCTION LOGS

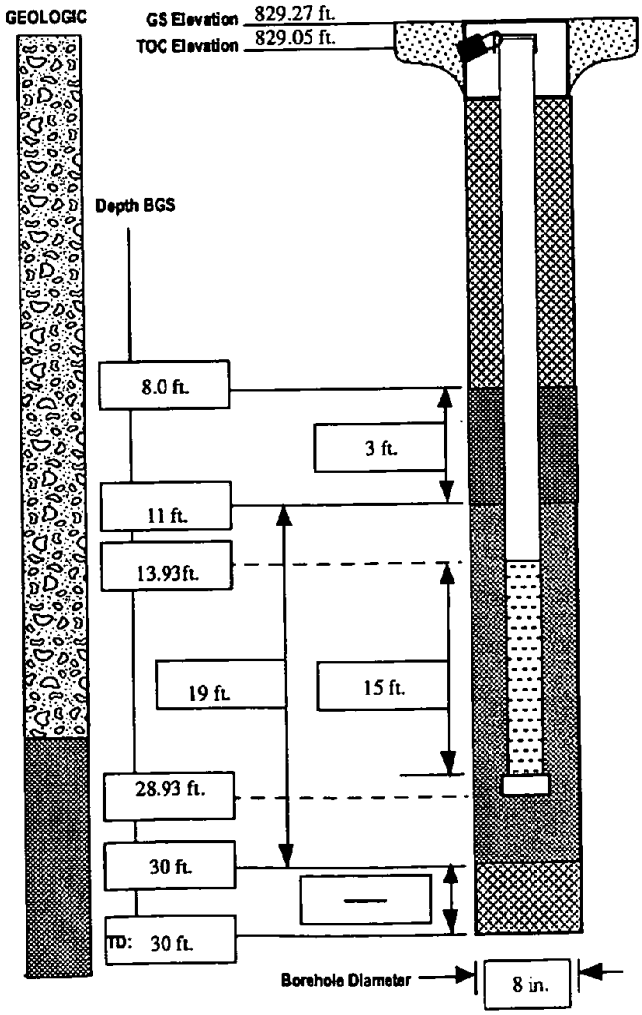
EARTH TECH

Monitoring Well Construction Log - Flush Mount

Project Name: AFP59 RI	Project Number: 949033	Sheet 1 of 1
Well: SW6	Borehole Diameter (in.): 8	Depth of Water (TOC): 20.07 ft.
Driller: Mickey Marshall	Date Started: 1/15/96	TOC Elevation: 829.05ft. MSL
Drilling Agency: Parratt Wolff, Inc.	Date Installed: 1/16/96	Number of Soil Samples: 0
Drilling Equipment: Diedrich D-50	Date Completed: 1/17/96	Logged by: D. Parse
Drilling Method: HSA	Total Depth (ft.): 30	Checked by: R. Zapletal

Glacial Outwash Deposits

Fine-Grained Glacial Deposits



FLUSH MOUNT CASING Weep Hole: (Y) (N)

Material/Type: 9 in. diameter, steel cylindrical valve box
Depth BGS: 1 in. above, 7 in. bgs.

GUARD POSTS

No. ---- Type ----

SURFACE PADS

Composition & Size: Concrete; 3 ft. x 3 ft. x 4 in. deep

SURFACE CASING

Material/Type: ----
Depth BGS: ----

RISER PIPE Ventilated Cap: (Y) (N)

Type: 2 in. diameter, Sch. 40 PVC
Total Length (TOC to TOS): 13.71 ft.

GROUT

Composition & Proportions: 75 gal. water, 846 lbs. Allentown Cement Co. Portland cement, 36 lbs. Bighorn bentonite powder
Interval BGS: 1.0 - 8.0 ft.

CENTRALIZERS

Depths: None

SEAL

Type: 100 lbs. Enviroplug bentonite medium chips
Source: Wyo-Ben, Inc.
Setup/Hydration Time: 30 minutes
Vol. Fluid Added: 7 gal.

FILTER PACK

Type: #0 Silica
Amt. Used: 550 lbs.
Source: The Morie Co., Inc.
Gr. Size Dist.: on file

SCREEN

Type: Diedrich slotted
Slot Size and Type: 2 in. diameter, 10 slot Sch. 40 PVC
Interval BGS: 13.93 ft. - 28.93 ft.

WELL FOOT (Y) N)

Interval BGS: 28.93 ft. - 30 ft.
Length: 1.07 ft.
Bottom Cap: (Y) N)

BACKFILL PLUG

Material: None
Setup/Hydration Time: ----

APPENDIX E

CHAIN-OF-CUSTODY FORMS

RECRA ENVIRONMENTAL, INC. #85

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME
949033-09	AFP59

SAMPLERS (SIGNATURE)

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	SW8260(VOCs)	REMARKS
	12/1/95	0800		✓	TB1120995	2	X	7day holding time 25ml purge
	↓	0845		✓	59SW7WG1	2	X	↓
	↓	1320		✓	59SW4WG1	2	X	
	↓	1325		✓	59SW4WG9	2	X	

D. B. Rios 12/9/95

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Donna B. Rios	12/9/95 1930				
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
		Scott Clark	12/11/95 1420	Temp = 2°C	

Distribution: Original accompanies shipment copy to coordinator field files

000171

E-1

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: 949033-09

SITE NAME: AFP 59

SAMPLERS (SIGNATURE): Donna B. Rios

STATION NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO OF CONTAINERS	SVOCs (SW8270)	PEST/PCBs	Arsenic	Metals			REMARKS
	12/5/95	1405		✓	59CR07WS1	4	X	X	X				Arsenic analyzed by SW7060
	↓	1432		✓	59CR07SE1	3	X	X		X			
		1410		✓	59CR07WS9	4	X	X	X				Arsenic analyzed by 7060
	↓	1443		✓	59CR07SE9	3	X	X		X			
		1605		✓	59 CR08 WS1	4	X	X	X				Arsenic analyzed by 7060
	↓	1614		✓	59 CR08SE1	3	X	X		X			
	↓	1645		✓	EB1120595	4	X	X		X			

D.B. Rios 12/5/95

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)
Donna B. Rios	12/5/95 1825	[signature]			

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE/TIME	REMARKS
		[signature]	12/6/95 1000	Metals analyzed by SW6010, SW7060, SW7420/SW7421, SW7470/SW7471

Distribution: Original accompanies shipment copy to coordinator field files

Temp=3°C

000173

RECRA ENVIRONMENTAL, INC. Shipment 2

CHAIN OF CUSTODY RECORD

PROJECT NO: 949033-09
SITE NAME: AFP59
SAMPLERS (SIGNATURE): Donna B. Rios

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	VOCs (SW8260)	REMARKS
	12/6/95	1350		✓	59DW6WG1	2	X	7 day holding time, 25mL purge
	12/6/95	1535		✓	59GW6WG1	2	X	↓
	12/6/95	0850		✓	TB1120695	2	X	↓

Donna B. Rios 12/6/95

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
Donna B. Rios	12/6/95 1655				
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
			12/7/95 0915	Cooler = 3°C	

Distribution: Original accompanies shipment copy to coordinator field files

E-3

000175

#3

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: 949033-09
SITE NAME: AFP59
SAMPLERS (SIGNATURE): Donna B. Rios

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	VOCs (SW8240)	REMARKS
	12/7/95	0900		✓	TB1120795	2	X	7 day holding time 25 ml purge
	12/7/95	1001		✓	59DW3WG1	2	X	
	12/7/95	1150		✓	59SW3WG1	2	X	
	12/7/95	1610		✓	59DW9WG1	2	X	

Donna B. Rios 12/7/95

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Donna B. Rios	12/7/95 1712				
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
		Scott Clark	12/8/95 0945	Temp = 1°C	

Distribution: Original accompanies shipment copy to coordinator field files

E-4

00127

Shipment 4

NYSA6062-1

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: 949033-09

SITE NAME: AFP59

SAMPLERS (SIGNATURE): Donna B. Rios

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	VOCs (SW8260)	REMARKS
	12/8/95	0830		✓	TB1120895	2	X	7day holding time, 25mL purge
	↓	0930		✓	59SW9WG1	2	X	↓
	↓	1155		✓	59SW13WG1	2	X	↓
	↓	1500		✓	59IW13WG1	2	X	↓
	↓	1455		✓	AB1120895	2	X	↓

D. B. Rios 12/8/95

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Donna B. Rios	12/8/95 1615				
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
			12/9/95 1100	Temp = 4 °C	

Distribution: Original accompanies shipment copy to coordinator field files

COC179

APPENDIX F

GROUNDWATER ANALYTICAL DATA

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000196
59DW3WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651002

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8729.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	5.2	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000197 Client No.

59DW3WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651002

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8729.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000205

Client No.

59DW6WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648901

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8727.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000206
Client No.

59DW6WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648901

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8727.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: 000212

59DW9WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651004

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8731.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000213

59DW9WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651004

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8731.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.29	J
95-47-6	o-Xylene	1.7	
	m/p-Xylenes	1.5	
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000221
59IW13WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653104

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8744.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.77	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.73	
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.24	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000222 Client No.

59IW13WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653104

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8744.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.24	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

59SW3WG1 000232

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651003

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8730.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.44	J
156-59-2	cis-1,2-Dichloroethene	0.64	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.86	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	2.8	
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane		

METHOD 8260 - VOLATILE ORGANICS

ANALYSIS DATA SHEET

000233 No.

59SW3WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651003

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8730.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00242
Client No.

59SW4WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653903

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8750.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	41	E
75-35-4	1,1-Dichloroethene	4.4	
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	1.9	
75-34-3	1,1-Dichloroethane	6.5	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	30	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	34	
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	690	E
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.22	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000243
Client No.

59SW4WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653903

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8750.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000255

59SW4WG1 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653903DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8760.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	8.0	U
74-87-3	Chloromethane	8.0	U
75-01-4	Vinyl chloride	8.0	U
74-83-9	Bromomethane	8.0	U
75-00-3	Chloroethane	8.0	U
75-69-4	Trichlorofluoromethane	27	D
75-35-4	1,1-Dichloroethene	8.0	U
75-09-2	Methylene chloride	8.0	U
156-60-5	trans-1,2-Dichloroethene	8.0	U
75-34-3	1,1-Dichloroethane	8.0	U
594-20-7	2,2-Dichloropropane	8.0	U
156-59-2	cis-1,2-Dichloroethene	21	D
67-66-3	Chloroform	8.0	U
74-97-5	Bromochloromethane	8.0	U
71-55-6	1,1,1-Trichloroethane	19	D
56-23-5	Carbon Tetrachloride	8.0	U
563-58-6	1,1-Dichloropropene	8.0	U
71-43-2	Benzene	8.0	U
107-06-2	1,2-Dichloroethane	8.0	U
79-01-6	Trichloroethene	1000	D
78-87-5	1,2-Dichloropropane	8.0	U
75-27-4	Bromodichloromethane	8.0	U
74-95-3	Dibromomethane	8.0	U
10061-02-6	trans-1,3-Dichloropropene	8.0	U
108-88-3	Toluene	8.0	U
10061-01-5	cis-1,3-Dichloropropene	8.0	U
79-00-5	1,1,2-Trichloroethane	8.0	U
127-18-4	Tetrachloroethene	8.0	U
142-28-9	1,3-Dichloropropane	8.0	U
124-48-1	Dibromochloromethane	8.0	U
106-93-4	1,2-Dibromoethane	8.0	U
544-10-5	Hexyl Chloride	8.0	U
108-90-7	Chlorobenzene	8.0	U
630-20-6	1,1,1,2-Tetrachloroethane	8.0	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000256
Client No.

59SW4WG1 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653903DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8760.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	8.0	U
95-47-6	o-Xylene	8.0	U
----------	m/p-Xylenes	8.0	U
100-42-5	Styrene	8.0	U
75-25-2	Bromoform	8.0	U
98-82-8	Isopropylbenzene	8.0	U
79-34-5	1,1,2,2-Tetrachloroethane	8.0	U
108-86-1	Bromobenzene	8.0	U
96-18-4	1,2,3-Trichloropropane	8.0	U
103-65-1	n-Propylbenzene	8.0	U
108-67-8	1,3,5-Trimethylbenzene	8.0	U
95-49-8	o-Chlorotoluene	8.0	U
106-43-4	p-Chlorotoluene	8.0	U
98-06-6	tert-Butylbenzene	8.0	U
95-63-6	1,2,4-Trimethylbenzene	8.0	U
135-98-8	sec-Butylbenzene	8.0	U
99-87-6	p-Cymene	8.0	U
541-73-1	1,3-Dichlorobenzene	8.0	U
106-46-7	1,4-Dichlorobenzene	8.0	U
104-51-8	n-Butylbenzene	8.0	U
95-50-1	1,2-Dichlorobenzene	8.0	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	8.0	U
87-68-3	Hexachlorobutadiene	8.0	U
91-20-3	Naphthalene	8.0	U
87-61-6	1,2,3-Trichlorobenzene	8.0	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000265 No.

59SW4WG9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653904

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8751.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	44	E
75-35-4	1,1-Dichloroethene	4.9	
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	2.1	
75-34-3	1,1-Dichloroethane	6.9	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	34	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	34	
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	710	E
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.23	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000266
Client No.

59SW4WG9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653904

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8751.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
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000278

59SW4WG9 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653904DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8761.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	8.0	U
74-87-3	Chloromethane	8.0	U
75-01-4	Vinyl chloride	8.0	U
74-83-9	Bromomethane	8.0	U
75-00-3	Chloroethane	8.0	U
75-69-4	Trichlorofluoromethane	35	D
75-35-4	1,1-Dichloroethene	8.0	U
75-09-2	Methylene chloride	8.0	U
156-60-5	trans-1,2-Dichloroethene	8.0	U
75-34-3	1,1-Dichloroethane	8.0	U
594-20-7	2,2-Dichloropropane	8.0	U
156-59-2	cis-1,2-Dichloroethene	25	D
67-66-3	Chloroform	8.0	U
74-97-5	Bromochloromethane	8.0	U
71-55-6	1,1,1-Trichloroethane	24	D
56-23-5	Carbon Tetrachloride	8.0	U
563-58-6	1,1-Dichloropropene	8.0	U
71-43-2	Benzene	8.0	U
107-06-2	1,2-Dichloroethane	8.0	U
79-01-6	Trichloroethene	1200	D
78-87-5	1,2-Dichloropropane	8.0	U
75-27-4	Bromodichloromethane	8.0	U
74-95-3	Dibromomethane	8.0	U
10061-02-6	trans-1,3-Dichloropropene	8.0	U
108-88-3	Toluene	8.0	U
10061-01-5	cis-1,3-Dichloropropene	8.0	U
79-00-5	1,1,2-Trichloroethane	8.0	U
127-18-4	Tetrachloroethene	8.0	U
142-28-9	1,3-Dichloropropane	8.0	U
124-48-1	Dibromochloromethane	8.0	U
106-93-4	1,2-Dibromoethane	8.0	U
544-10-5	Hexyl Chloride	8.0	U
108-90-7	Chlorobenzene	8.0	U
630-20-6	1,1,1,2-Tetrachloroethane	8.0	U

METHOD 8260 - VOLATILE ORGANICS
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000279
Client No.

59SW4WG9 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653904DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8761.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	8.0	U
95-47-6	o-Xylene	8.0	U
	m/p-Xylenes	8.0	U
100-42-5	Styrene	8.0	U
75-25-2	Bromoform	8.0	U
98-82-8	Isopropylbenzene	8.0	U
79-34-5	1,1,2,2-Tetrachloroethane	8.0	U
108-86-1	Bromobenzene	8.0	U
96-18-4	1,2,3-Trichloropropane	8.0	U
103-65-1	n-Propylbenzene	8.0	U
108-67-8	1,3,5-Trimethylbenzene	8.0	U
95-49-8	o-Chlorotoluene	8.0	U
106-43-4	p-Chlorotoluene	8.0	U
98-06-6	tert-Butylbenzene	8.0	U
95-63-6	1,2,4-Trimethylbenzene	8.0	U
135-98-8	sec-Butylbenzene	8.0	U
99-87-6	p-Cymene	8.0	U
541-73-1	1,3-Dichlorobenzene	8.0	U
106-46-7	1,4-Dichlorobenzene	8.0	U
104-51-8	n-Butylbenzene	8.0	U
95-50-1	1,2-Dichlorobenzene	8.0	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	8.0	U
87-68-3	Hexachlorobutadiene	8.0	U
91-20-3	Naphthalene	8.0	U
87-61-6	1,2,3-Trichlorobenzene	8.0	U

ANALYSIS DATA SHEET

000287 No.

59SW6WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648902

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8726.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.55	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	3.0	
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.82	
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.2	
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

59SW6WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648902

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8726.RR

Level: (low/med) LOW Date Samp/Recv: 12/06/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000298 No.

59SW7WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653902

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8749.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	6.8	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	1.2	
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.80	
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	20	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	120	E
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	2.2	
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	7.9	
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000299 Client No.

59SW7WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653902

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8749.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS

ANALYSIS DATA SHEET

C00311 No.

59SW7WG1 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653902DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8753.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.80	U
74-87-3	Chloromethane	0.80	U
75-01-4	Vinyl chloride	6.6	D
74-83-9	Bromomethane	0.80	U
75-00-3	Chloroethane	0.80	U
75-69-4	Trichlorofluoromethane	0.80	U
75-35-4	1,1-Dichloroethene	0.80	U
75-09-2	Methylene chloride	0.80	U
156-60-5	trans-1,2-Dichloroethene	0.80	U
75-34-3	1,1-Dichloroethane	19	D
594-20-7	2,2-Dichloropropane	0.80	U
156-59-2	cis-1,2-Dichloroethene	130	D
67-66-3	Chloroform	0.80	U
74-97-5	Bromochloromethane	0.80	U
71-55-6	1,1,1-Trichloroethane	2.1	D
56-23-5	Carbon Tetrachloride	0.80	U
563-58-6	1,1-Dichloropropene	0.80	U
71-43-2	Benzene	0.80	U
107-06-2	1,2-Dichloroethane	0.80	U
79-01-6	Trichloroethene	8.1	D
78-87-5	1,2-Dichloropropane	0.80	U
75-27-4	Bromodichloromethane	0.80	U
74-95-3	Dibromomethane	0.80	U
10061-02-6	trans-1,3-Dichloropropene	0.80	U
108-88-3	Toluene	0.80	U
10061-01-5	cis-1,3-Dichloropropene	0.80	U
79-00-5	1,1,2-Trichloroethane	0.80	U
127-18-4	Tetrachloroethene	0.80	U
142-28-9	1,3-Dichloropropane	0.80	U
124-48-1	Dibromochloromethane	0.80	U
106-93-4	1,2-Dibromoethane	0.80	U
544-10-5	Hexyl Chloride	0.80	U
108-90-7	Chlorobenzene	0.80	U
630-20-6	1,1,1,2-Tetrachloroethane	0.80	U

ANALYSIS DATA SHEET

000312

Client No.

59SW7WG1 DL

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653902DL

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8753.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.80	U
95-47-6	o-Xylene	0.80	U
----------	m/p-Xylenes	0.80	U
100-42-5	Styrene	0.80	U
75-25-2	Bromoform	0.80	U
98-82-8	Isopropylbenzene	0.80	U
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U
108-86-1	Bromobenzene	0.80	U
96-18-4	1,2,3-Trichloropropane	0.80	U
103-65-1	n-Propylbenzene	0.80	U
108-67-8	1,3,5-Trimethylbenzene	0.80	U
95-49-8	o-Chlorotoluene	0.80	U
106-43-4	p-Chlorotoluene	0.80	U
98-06-6	tert-Butylbenzene	0.80	U
95-63-6	1,2,4-Trimethylbenzene	0.80	U
135-98-8	sec-Butylbenzene	0.80	U
99-87-6	p-Cymene	0.80	U
541-73-1	1,3-Dichlorobenzene	0.80	U
106-46-7	1,4-Dichlorobenzene	0.80	U
104-51-8	n-Butylbenzene	0.80	U
95-50-1	1,2-Dichlorobenzene	0.80	U
96-12-8	1,2-Dibromo-3-chloropropane	1.6	U
120-82-1	1,2,4-Trichlorobenzene	0.80	U
87-68-3	Hexachlorobutadiene	0.80	U
91-20-3	Naphthalene	0.80	U
87-61-6	1,2,3-Trichlorobenzene	0.80	U

METHOD 8260 - VOLATILE ORGANICS

ANALYSIS DATA SHEET

000321 No.

59SW9WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653102

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8742.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	8.0	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	4.2	
67-66-3	Chloroform	0.40	J
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	12	
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

ANALYSIS DATA SHEET

000322
Client No.

59SW9WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653102

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8742.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

ANALYSIS DATA SHEET

000331
Client No.

59SW13WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653103

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8743.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

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ANALYSIS DATA SHEET

CLIENT NO. 000332

59SW13WG1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653103

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8743.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS

ANALYSIS DATA SHEET

000338

Client No.

AB1120895

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653105

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8745.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000339
Client No.

AB1120895

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653105

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8745.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene		

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000345
Client No.

TB1120695

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648903

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8725.RR

Level: (low/med) LOW Date Samp/Recv: 12/04/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00346
Client No.

TB1120695

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648903

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8725.RR

Level: (low/med) LOW Date Samp/Recv: 12/04/95 12/07/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene		

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000352
Client No.

TB1120795

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651001

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8728.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000353
Client No.

TB1120795

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5651001

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8728.RR

Level: (low/med) LOW Date Samp/Recv: 12/07/95 12/08/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/09/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
----------	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS

ANALYSIS DATA SHEET

Client No. 000359

TB1120895

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653101

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8741.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

000360 Client No.

TB1120895

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653101

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8741.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/95 12/09/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

METHOD 8260 - VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No. 000366

TB1120995

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653901

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8748.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
67-66-3	Chloroform	0.50	U
74-97-5	Bromochloromethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
108-88-3	Toluene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
544-10-5	Hexyl Chloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U

ANALYSIS DATA SHEET

TB1120995

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5653901

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: L8748.RR

Level: (low/med) LOW Date Samp/Recv: 12/09/95 12/11/95

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/11/95

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethyl benzene	0.50	U
95-47-6	o-Xylene	0.50	U
	m/p-Xylenes	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
95-49-8	o-Chlorotoluene	0.50	U
106-43-4	p-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	p-Cymene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

APPENDIX G

SEDIMENT ANALYTICAL DATA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000511 Client No.

59CR07SE1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648802

Sample wt/vol: 30.32 (g/mL) G Lab File ID: 11288V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 15.3 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
83-32-9	Acenaphthene	0.7	U
208-96-8	Acenaphthylene	0.7	U
120-12-7	Anthracene	0.7	U
56-55-3	Benzo(a)anthracene	0.7	U
205-99-2	Benzo(b)fluoranthene	0.06	J
207-08-9	Benzo(k)fluoranthene	0.03	J
191-24-2	Benzo(ghi)perylene	0.03	J
50-32-8	Benzo(a)pyrene	0.7	U
65-85-0	Benzoic acid	1	U
100-51-6	Benzyl alcohol	1	U
111-91-1	Bis(2-chloroethoxy) methane	0.7	U
111-44-4	Bis(2-chloroethyl) ether	0.7	U
108-60-1	Bis(2-chloroisopropyl) ether	0.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.06	J
101-55-3	4-Bromophenyl phenyl ether	0.7	U
85-68-7	Butyl benzyl phthalate	0.7	U
106-47-8	4-Chloroaniline	1	U
59-50-7	4-Chloro-3-methylphenol	1	U
91-58-7	2-Chloronaphthalene	0.7	U
95-57-8	2-Chlorophenol	0.3	U
7005-72-3	4-Chlorodiphenylether	0.7	U
218-01-9	Chrysene	0.7	U
53-70-3	Dibenzo(a,h)anthracene	0.7	U
132-64-9	Dibenzofuran	0.7	U
84-74-2	Di-n-butyl phthalate	0.7	U
95-50-1	1,2-Dichlorobenzene	0.7	U
541-73-1	1,3-Dichlorobenzene	0.7	U
106-46-7	1,4-Dichlorobenzene	1	U
91-94-1	3,3'-Dichlorobenzidine	0.3	U
120-83-2	2,4-Dichlorophenol	0.7	U
84-66-2	Diethyl phthalate	0.3	U
105-67-9	2,4-Dimethylphenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000512
Client No.

59CR07SE1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648802

Sample wt/vol: 30.32 (g/mL) G Lab File ID: 11288V.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 15.3 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
131-11-3	Dimethyl phthalate	0.7	U
534-52-1	4,6-Dinitro-2-methylphenol	3	U
51-28-5	2,4-Dinitrophenol	3	U
121-14-2	2,4-Dinitrotoluene	0.7	U
606-20-2	2,6-Dinitrotoluene	0.7	U
117-84-0	Di-n-octyl phthalate	0.7	U
206-44-0	Fluoranthene	0.08	J
86-73-7	Fluorene	0.7	U
118-74-1	Hexachlorobenzene	0.7	U
87-68-3	Hexachlorobutadiene	0.7	U
77-47-4	Hexachlorocyclopentadiene	0.7	U
67-72-1	Hexachloroethane	0.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.7	U
78-59-1	Isophorone	0.7	U
91-57-6	2-Methylnaphthalene	0.7	U
95-48-7	2-Methylphenol	0.3	U
106-44-5	4-Methylphenol	0.3	U
91-20-3	Naphthalene	0.7	U
88-74-4	2-Nitroaniline	3	U
99-09-2	3-Nitroaniline	3	U
100-01-6	4-Nitroaniline	3	U
98-95-3	Nitrobenzene	0.7	U
88-75-5	2-Nitrophenol	0.3	U
100-02-7	4-Nitrophenol	1	U
86-30-6	N-nitrosodiphenylamine	0.7	U
621-64-7	N-Nitroso-Di-n-propylamine	0.7	U
87-86-5	Pentachlorophenol	3	U
85-01-8	Phenanthrene	0.7	U
108-95-2	Phenol	0.3	U
129-00-0	Pyrene	0.7	U
120-82-1	1,2,4-Trichlorobenzene	0.7	U
95-95-4	2,4,5-Trichlorophenol	3	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00513
Client No.

59CR07SE1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648802

Sample wt/vol: 30.32 (g/mL) G Lab File ID: 11288V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 15.3 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
88-06-2	2,4,6-Trichlorophenol	0.3	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00584

59CR07SE9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648804

Sample wt/vol: 30.18 (g/mL) G Lab File ID: 11289V.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 18.0 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
83-32-9	Acenaphthene	0.7	U
208-96-8	Acenaphthylene	0.7	U
120-12-7	Anthracene	0.7	U
56-55-3	Benzo(a)anthracene	0.7	U
205-99-2	Benzo(b)fluoranthene	0.02	J
207-08-9	Benzo(k)fluoranthene	0.7	U
191-24-2	Benzo(ghi)perylene	0.7	U
50-32-8	Benzo(a)pyrene	0.7	U
65-85-0	Benzoic acid	1	U
100-51-6	Benzyl alcohol	1	U
111-91-1	Bis(2-chloroethoxy) methane	0.7	U
111-44-4	Bis(2-chloroethyl) ether	0.7	U
108-60-1	Bis(2-chloroisopropyl) ether	0.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.09	J
101-55-3	4-Bromophenyl phenyl ether	0.7	U
85-68-7	Butyl benzyl phthalate	0.7	U
106-47-8	4-Chloroaniline	1	U
59-50-7	4-Chloro-3-methylphenol	1	U
91-58-7	2-Chloronaphthalene	0.7	U
95-57-8	2-Chlorophenol	0.3	U
7005-72-3	4-Chlorodiphenylether	0.7	U
218-01-9	Chrysene	0.7	U
53-70-3	Dibenzo(a,h)anthracene	0.7	U
132-64-9	Dibenzofuran	0.7	U
84-74-2	Di-n-butyl phthalate	0.7	U
95-50-1	1,2-Dichlorobenzene	0.7	U
541-73-1	1,3-Dichlorobenzene	0.7	U
106-46-7	1,4-Dichlorobenzene	0.7	U
91-94-1	3,3'-Dichlorobenzidine	1	U
120-83-2	2,4-Dichlorophenol	0.3	U
84-66-2	Diethyl phthalate	0.7	U
105-67-9	2,4-Dimethylphenol	0.3	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000535 No.

59CR07SE9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648804

Sample wt/vol: 30.18 (g/mL) G Lab File ID: 11289V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 18.0 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
131-11-3	Dimethyl phthalate	0.7	U
534-52-1	4,6-Dinitro-2-methylphenol	3	U
51-28-5	2,4-Dinitrophenol	3	U
121-14-2	2,4-Dinitrotoluene	0.7	U
606-20-2	2,6-Dinitrotoluene	0.7	U
117-84-0	Di-n-octyl phthalate	0.7	U
206-44-0	Fluoranthene	0.7	U
86-73-7	Fluorene	0.7	U
118-74-1	Hexachlorobenzene	0.7	U
87-68-3	Hexachlorobutadiene	0.7	U
77-47-4	Hexachlorocyclopentadiene	0.7	U
67-72-1	Hexachloroethane	0.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.7	U
78-59-1	Isophorone	0.7	U
91-57-6	2-Methylnaphthalene	0.7	U
95-48-7	2-Methylphenol	0.3	U
106-44-5	4-Methylphenol	0.3	U
91-20-3	Naphthalene	0.7	U
88-74-4	2-Nitroaniline	3	U
99-09-2	3-Nitroaniline	3	U
100-01-6	4-Nitroaniline	3	U
98-95-3	Nitrobenzene	0.7	U
88-75-5	2-Nitrophenol	0.3	U
100-02-7	4-Nitrophenol	1	U
86-30-6	N-nitrosodiphenylamine	0.7	U
621-64-7	N-Nitroso-Di-n-propylamine	0.7	U
87-86-5	Pentachlorophenol	3	U
85-01-8	Phenanthrene	0.7	U
108-95-2	Phenol	0.3	U
129-00-0	Pyrene	0.7	U
120-82-1	1,2,4-Trichlorobenzene	0.7	U
95-95-4	2,4,5-Trichlorophenol	3	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

ANALYSIS DATA SHEET

000536 Client No.

59CR07SE9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648804

Sample wt/vol: 30.18 (g/mL) G Lab File ID: 11289V.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 18.0 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/03/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
88-06-2	2,4,6-Trichlorophenol	0.3	U

FORM I - GC/MS BNA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
59CR08SE1 000580

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648806

Sample wt/vol: 30.23 (g/mL) G Lab File ID: 11314V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 13.5 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
83-32-9	Acenaphthene	0.7	U
208-96-8	Acenaphthylene	0.7	U
120-12-7	Anthracene	0.7	U
56-55-3	Benzo(a)anthracene	0.7	U
205-99-2	Benzo(b)fluoranthene	0.06	J
207-08-9	Benzo(k)fluoranthene	0.03	J
191-24-2	Benzo(ghi)perylene	0.7	U
50-32-8	Benzo(a)pyrene	0.7	U
65-85-0	Benzoic acid	1	U
100-51-6	Benzyl alcohol	1	U
111-91-1	Bis(2-chloroethoxy) methane	0.7	U
111-44-4	Bis(2-chloroethyl) ether	0.7	U
108-60-1	Bis(2-chloroisopropyl) ether	0.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.1	J
101-55-3	4-Bromophenyl phenyl ether	0.7	U
85-68-7	Butyl benzyl phthalate	0.7	U
106-47-8	4-Chloroaniline	1	U
59-50-7	4-Chloro-3-methylphenol	1	U
91-58-7	2-Chloronaphthalene	0.7	U
95-57-8	2-Chlorophenol	0.3	U
7005-72-3	4-Chlorodiphenylether	0.7	U
218-01-9	Chrysene	0.08	J
53-70-3	Dibenzo(a,h)anthracene	0.7	U
132-64-9	Dibenzofuran	0.7	U
84-74-2	Di-n-butyl phthalate	0.7	U
95-50-1	1,2-Dichlorobenzene	0.7	U
541-73-1	1,3-Dichlorobenzene	0.7	U
106-46-7	1,4-Dichlorobenzene	0.7	U
91-94-1	3,3'-Dichlorobenzidine	1	U
120-83-2	2,4-Dichlorophenol	0.3	U
84-66-2	Diethyl phthalate	0.7	U
105-67-9	2,4-Dimethylphenol	0.3	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
C00581
59CR08SE1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648806

Sample wt/vol: 30.23 (g/mL) G Lab File ID: 11314V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 13.5 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
131-11-3	Dimethyl phthalate	0.7	U
534-52-1	4,6-Dinitro-2-methylphenol	3	U
51-28-5	2,4-Dinitrophenol	3	U
121-14-2	2,4-Dinitrotoluene	0.7	U
606-20-2	2,6-Dinitrotoluene	0.7	U
117-84-0	Di-n-octyl phthalate	0.7	U
206-44-0	Fluoranthene	0.07	J
86-73-7	Fluorene	0.7	U
118-74-1	Hexachlorobenzene	0.7	U
87-68-3	Hexachlorobutadiene	0.7	U
77-47-4	Hexachlorocyclopentadiene	0.7	U
67-72-1	Hexachloroethane	0.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.7	U
78-59-1	Isophorone	0.7	U
91-57-6	2-Methylnaphthalene	0.3	U
95-48-7	2-Methylphenol	0.3	U
106-44-5	4-Methylphenol	0.7	U
91-20-3	Naphthalene	3	U
88-74-4	2-Nitroaniline	3	U
99-09-2	3-Nitroaniline	3	U
100-01-6	4-Nitroaniline	0.7	U
98-95-3	Nitrobenzene	0.3	U
88-75-5	2-Nitrophenol	1	U
100-02-7	4-Nitrophenol	0.7	U
86-30-6	N-nitrosodiphenylamine	0.7	U
621-64-7	N-Nitroso-Di-n-propylamine	3	U
87-86-5	Pentachlorophenol	0.03	J
85-01-8	Phenanthrene	0.3	U
108-95-2	Phenol	0.7	U
129-00-0	Pyrene	0.7	U
120-82-1	1,2,4-Trichlorobenzene	3	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000582
59CR08SE1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648806

Sample wt/vol: 30.23 (g/mL) G Lab File ID: 11314V.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: 13.5 decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
88-06-2	2,4,6-Trichlorophenol	0.3	U

FORM I - GC/MS BNA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000622

EB1120595

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11356V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/09/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

ANALYSIS DATA SHEET

000623

EB1120595

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11356V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/09/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

ANALYSIS DATA SHEET

000624

EB1120595

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11356V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/09/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

FORM I - GC/MS BNA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000630
EB1120595RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11318V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

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

CAS NO.	COMPOUND		Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000631
Client No.

EB1120595RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11318V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000632
Client No.

EB1120595RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11318V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

FORM I - GC/MS BNA

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

000868
Client No.

59CR07SE1

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648802

Sample wt/vol: 30.11 (g/mL) G Lab File ID: SA06299.TX0

% Moisture: 15.3 decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 12/08/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 12/20/95

Injection Volume: 1.00(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
309-00-2	Aldrin	0.0030	U
319-84-6	alpha-BHC	0.0020	U
319-85-7	beta-BHC	0.0040	U
58-89-9	gamma-BHC (Lindane)	0.0030	U
319-86-8	delta-BHC	0.0060	U
57-74-9	Chlordane	0.012	U
72-54-8	4,4'-DDD	0.0070	U
72-55-9	4,4'-DDE	0.0039	U
50-29-3	4,4'-DDT	0.0080	U
60-57-1	Dieldrin	0.010	U
959-98-8	Endosulfan I	0.0090	U
33213-65-9	Endosulfan II	0.0039	U
1031-07-8	Endosulfan Sulfate	0.040	U
72-20-8	Endrin	0.0040	U
7421-93-4	Endrin aldehyde	0.020	U
76-44-8	Heptachlor	0.0020	U
1024-57-3	Heptachlor epoxide	0.060	U
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	0.20	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

000875
Client No.

59CR07SE9

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648804

Sample wt/vol: 30.00 (g/mL) G Lab File ID: SA06300.TX0

% Moisture: 18.0 decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 12/08/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/20/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
309-00-2	Aldrin	0.0030	U
319-84-6	alpha-BHC	0.0020	U
319-85-7	beta-BHC	0.0040	U
58-89-9	gamma-BHC (Lindane)	0.0030	U
319-86-8	delta-BHC	0.0060	U
57-74-9	Chlordane	0.012	U
72-54-8	4,4'-DDD	0.0070	U
72-55-9	4,4'-DDE	0.0041	U
50-29-3	4,4'-DDT	0.0080	U
60-57-1	Dieldrin	0.010	U
959-98-8	Endosulfan I	0.0090	U
33213-65-9	Endosulfan II	0.0041	U
1031-07-8	Endosulfan Sulfate	0.040	U
72-20-8	Endrin	0.0041	U
7421-93-4	Endrin aldehyde	0.020	U
76-44-8	Heptachlor	0.0020	U
1024-57-3	Heptachlor epoxide	0.060	U
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	0.20	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.
000891
59CR08SE1

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) SOIL Lab Sample ID: A5648806

Sample wt/vol: 30.17 (g/mL) G Lab File ID: SA06301.TX0

% Moisture: 13.5 decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 12/08/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/20/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 0.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
309-00-2	Aldrin	0.0030	U
319-84-6	alpha-BHC	0.0020	U
319-85-7	beta-BHC	0.0040	U
58-89-9	gamma-BHC (Lindane)	0.0030	U
319-86-8	delta-BHC	0.0060	U
57-74-9	Chlordane	0.012	U
72-54-8	4,4'-DDD	0.0070	U
72-55-9	4,4'-DDE	0.0038	U
50-29-3	4,4'-DDT	0.0080	U
60-57-1	Dieldrin	0.010	U
959-98-8	Endosulfan I	0.0090	U
33213-65-9	Endosulfan II	0.0038	U
1031-07-8	Endosulfan Sulfate	0.040	U
72-20-8	Endrin	0.0040	U
7421-93-4	Endrin aldehyde	0.020	U
76-44-8	Heptachlor	0.0020	U
1024-57-3	Heptachlor epoxide	0.060	U
72-43-5	Methoxychlor	0.10	U
8001-35-2	Toxaphene	0.20	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No.
000903

EB1120595

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648807

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: SA06281.TX0

% Moisture:_____ decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 12/08/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 12/19/95

Injection Volume: 1.00(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.060	U
58-89-9	gamma-BHC (Lindane)	0.050	U
319-86-8	delta-BHC	0.090	U
57-74-9	Chlordane	0.30	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.12	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.14	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan Sulfate	0.66	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin aldehyde	0.23	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.83	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	2.4	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

EARTH TECH

1

EARTH SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

07SE1

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__ SDG No.: 59CR07
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____
Matrix (soil/water): SOIL_ Lab Sample ID: 7260
Level (low/med): LOW__ Date Received: 12/06/95
% Solids: _84.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7290			P
7440-36-0	Antimony	0.60	U		P
7440-38-2	Arsenic	7.4			F
7440-39-3	Barium	39.4			P
7440-41-7	Beryllium	0.47	U		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	2190			P
7440-47-3	Chromium	24.3			P
7440-48-4	Cobalt	6.4			P
7440-50-8	Copper	22.3			P
7439-89-6	Iron	17900			P
7439-92-1	Lead	19.8			F
7439-95-4	Magnesium	2950			P
7439-96-5	Manganese	301			P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	16.4		E	P
7440-09-7	Potassium	301	B		P
7782-49-2	Selenium	2.6			P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	177	U		P
7440-28-0	Thallium	1.1	B		F
7440-62-2	Vanadium	8.5			P
7440-66-6	Zinc	78.2			P
	Molybdenu	0.23			P

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648802-CGA00330
CLIENT_SAMPLE_ID:_59CR07SE1
REDIGESTION_NUMBER:_7781

EARTH TECH

1

EARTH SAMPLE NO.: 07SE9

INORGANIC ANALYSES DATA SHEET

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__ SDG No.: 59CR07
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____ Lab Sample ID: 7261
Matrix (soil/water): SOIL_ Date Received: 12/06/95
Level (low/med): LOW__
% Solids: _82.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8530			P
7440-36-0	Antimony	0.62	U		P
7440-38-2	Arsenic	7.5			F
7440-39-3	Barium	44.1			P
7440-41-7	Beryllium	0.49	U		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	3330			P
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	22.7			P
7439-89-6	Iron	21700			P
7439-92-1	Lead	19.3			F
7439-95-4	Magnesium	3400			P
7439-96-5	Manganese	347			P
7439-97-6	Mercury	0.04	U		CV
7440-02-0	Nickel	20.8		E	P
7440-09-7	Potassium	408	B		P
7782-49-2	Selenium	2.1			P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	183	U		P
7440-28-0	Thallium	0.36	U		F
7440-62-2	Vanadium	9.6			P
7440-66-6	Zinc	98.7			P
	Molybdenu	0.98			P

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648804-CGA00330
CLIENT_SAMPLE_ID:_59CR07SE9
REDIGESTION_NUMBER:_7782

EARTH TECH

001194

1

EARTH SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

08SE1

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____ SDG No.: 59CR07
Matrix (soil/water): SOIL_ Lab Sample ID: 7262
Level (low/med): LOW__ Date Received: 12/06/95
% Solids: _86.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	7230			P
7440-36-0	Antimony_	0.58	U		P
7440-38-2	Arsenic__	6.9			F
7440-39-3	Barium___	34.7			P
7440-41-7	Beryllium	0.46	U		P
7440-43-9	Cadmium__	1.1	U		P
7440-70-2	Calcium__	51700			P
7440-47-3	Chromium_	9.4			P
7440-48-4	Cobalt___	4.8	B		P
7440-50-8	Copper___	14.8			P
7439-89-6	Iron_____	20700			P
7439-92-1	Lead_____	24.3			F
7439-95-4	Magnesium	4050			P
7439-96-5	Manganese	389			P
7439-97-6	Mercury__	0.04	U		CV
7440-02-0	Nickel___	16.8		E	P
7440-09-7	Potassium	447	B		P
7782-49-2	Selenium_	1.8			P
7440-22-4	Silver___	1.1	U	N	P
7440-23-5	Sodium___	172	U		P
7440-28-0	Thallium_	0.35	U		F
7440-62-2	Vanadium_	8.8			P
7440-66-6	Zinc_____	107			P
	Molybdenu	0.22	U		P

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648806-CGA00330
CLIENT_SAMPLE_ID:_59CR08SE1
REDIGESTION_NUMBER:_7783

APPENDIX H

SURFACE WATER ANALYTICAL DATA

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000548

Client No.: 59CR07WS1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648801

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11352V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000549
Client No.

59CR07WS1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648801

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11352V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-95-4	2,4,5-Trichlorophenol	50	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

59CR07WS1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648801

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11352V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000564
59CR07WS9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11351V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT NO.: 59CR07WS9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11351V.MSO

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00566 Client No.

59CR07WS9

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11351V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
59CR07WS9RE 600572

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11320V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
C00573

59CR07WS9RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11320V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000574
59CR07WS9RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11320V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
59CR08WS1 C00606

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11353V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000607
Client No.

59CR08WS1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11353V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000608
Client No.

59CR08WS1

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11353V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/09/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/08/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.
000614
59CR08WS1RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11319V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	20	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorodiphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

000615
Client No.

59CR08WS1RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11319V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
131-11-3	Dimethyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	50	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	10	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	50	U
100-02-7	4-Nitrophenol	10	U
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	50	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-95-4	2,4,5-Trichlorophenol		

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

C00616

59CR08WS1RE

Lab Name: Recra Environmental, Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805RE

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 11319V.MSQ

Level: (low/med) LOW Date Samp/Recv: 12/05/95 12/06/95

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/14/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 01/05/96

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
88-06-2	2,4,6-Trichlorophenol	10	U

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

000881

Client No.: 59CR07WS1

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648801

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: SA06278.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 12/08/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.060	U
58-89-9	gamma-BHC (Lindane)	0.050	U
319-86-8	delta-BHC	0.090	U
57-74-9	Chlordane	0.30	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.12	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.14	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan Sulfate	0.66	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin aldehyde	0.23	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.83	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	2.4	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

Client No. 000886
59CR07WS9

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648803

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: SA06279.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 12/08/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.060	U
58-89-9	gamma-BHC (Lindane)	0.050	U
319-86-8	delta-BHC	0.090	U
57-74-9	Chlordane	0.30	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.12	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.14	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan Sulfate	0.66	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin aldehyde	0.23	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.83	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	2.4	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

METHOD 8080 - TCL PESTICIDES/PCBS
ANALYSIS DATA SHEET

000898 No.

59CR08WS1

Lab Name: Recra Environmental, Inc Contract: _____

Lab Code: RECNY Case No.: 6062 SAS No.: _____ SDG No.: 59CR07

Matrix: (soil/water) WATER Lab Sample ID: A5648805

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: SA06280.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 12/05/95 12/06/95

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 12/08/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.060	U
58-89-9	gamma-BHC (Lindane)	0.050	U
319-86-8	delta-BHC	0.090	U
57-74-9	Chlordane	0.30	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.12	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.14	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan Sulfate	0.66	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin aldehyde	0.23	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor epoxide	0.83	U
72-43-5	Methoxychlor	1.7	U
8001-35-2	Toxaphene	2.4	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	1.0	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

EARTH TECH

001192

1

EARTH SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

07WS1

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__ SDG No.: 59CR07
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____ Lab Sample ID: 7126
Matrix (soil/water): WATER Date Received: 12/06/95
Level (low/med): LOW__
% 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_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__	3.0	U		F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__		_		NR
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____		_		NR
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
	Molybdenu		_		NR
			_		
			_		
			_		
			_		
			_		
			_		
			_		
			_		
			_		

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648801-CTA01110_____
CLIENT_SAMPLE_ID:_59CR07WS1_____

EARTH TECH

C01193

1

EARTH SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

07WS9

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__ SDG No.: 59CR07
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____
Matrix (soil/water): WATER Lab Sample ID: 7127
Level (low/med): LOW__ Date Received: 12/06/95
% 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_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__	3.0	U		F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__		_		NR
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____		_		NR
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
_____	Molybdenu		_		

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648803-CTA01110_____
CLIENT_SAMPLE_ID:_59CR07WS9_____

FORM I - IN ILM02.1

EARTH TECH

1

EARTH SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

08WS1

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY96-043__ SDG No.: 59CR07
Lab Code: RECNY_ Case No.: 6062_ SAS No.: _____ Lab Sample ID: 7128
Matrix (soil/water): WATER Date Received: 12/06/95
Level (low/med): LOW__
% 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_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__	3.0	U		F_
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__		_		NR
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____		_		NR
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
	Molybdenu		_		NR
			_		
			_		
			_		
			_		
			_		
			_		
			_		
			_		
			_		

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
LAB_SAMPLE_ID:_A5648805-CTA01110_____
CLIENT_SAMPLE_ID:_59CR08WS1_____