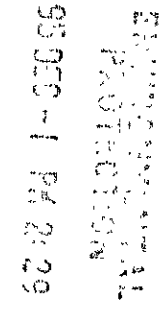
Quarterly Report
October 1995



Prepared For:

Ingersoll-Rand
Equipment Sales
San Leandro, California

November 15, 1995

QUARTERLY REPORT
OCTOBER 1995

Prepared For:

Ingersoll-Rand Equipment Sales
1944 Marina Boulevard
San Leandro, California 94577

November 15, 1995

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1.0 INTRODUCTION

Ingersoll-Rand Company (I-R) has contracted with Capsule Environmental Engineering (Capsule) to complete the implementation of the final corrective action design and related underground storage tank response activities for its equipment sales and maintenance facility located at 1944 Marina Boulevard in San Leandro, California.

As part of these activities, Capsule prepares quarterly activity reports for the facility. The objectives of these reports are to:

- Provide a summary of corrective action activities, including such work as construction, sampling, and maintenance being conducted at the facility during the quarter
- Provide a benchmark of data and interpretation to evaluate the performance of corrective action activities
- Comply with Alameda County and City of San Leandro reporting requirements

The Quarterly Report October 1995 (October Report) provides the data and summary from the quarterly ground water monitoring event that was conducted in late June and mid-July. Additionally, the October Report provides the investigation results from the additional ground water assessment work conducted during June and July 1995, and summarizes the treatment system activity status.

1.1 SITE DESCRIPTION

I-R operates a construction equipment sales and maintenance facility located at 1944 Marina Boulevard, San Leandro, Alameda County, California (see Figure 1). The eastern shore of the San Francisco bay is approximately 1.25 miles west of the facility. The local topography around the facility is fairly flat, sloping gently toward the bay. Facility land surface elevations range from 25 to 30 feet above sea level.

The facility is situated in an area of industrial and commercial development. It is bounded on the north by Southern Pacific railroad tracks and on the south by Marina Boulevard. Immediately to the west of the facility is a manufacturer of packaging materials. To the east is an office filing equipment manufacturer. The facility has perimeter fencing.

The property's building has two tenants. The office filing equipment manufacturer occupies the eastern portion of the building. I-R occupies the western portion of the building, which consists of an office and parts distribution area attached to a large bayed service area. To the north and west of the building is an outdoor equipment storage yard. The stored equipment includes both new and used construction machinery. Drilling rigs, compressors, compactors

and other construction equipment are commonly stored in this area while being readied for sale, repair, rental, and salvage.

1.2 UNDERGROUND STORAGE TANK ACTIVITIES CHRONOLOGY

A detailed underground storage tank chronology is provided in the Quarterly Report April 1995.

Generally, corrective action activities began with the submittal of an Underground Storage Tank Release report to the San Leandro Fire Department in 1989. Site investigation activities since 1989 include monitoring well and boring installation, ground water and soil sampling, and reporting.

In 1992, a soil vapor extraction (SVE) system was installed and operated for several months. System operation was discontinued when water levels rose and the system collected condensate. It is reported that 800 pounds of product were removed during initial operation.

In late 1994, five additional SVE vents were installed. These vents were installed to provide the SVE system with flexibility in vacuum configuration over a larger area, including the downgradient property boundary.

Comprehensive ground water sampling of monitoring wells was performed in November of 1989; June and October of 1994; and January, April, and June of 1995. Additionally, a sample was taken from MW-4 in November of 1990. The results indicated and confirmed the presence of gasoline-related volatile organic compounds (VOCs) and several chlorinated VOCs in low concentrations in site monitoring wells. The April 1995 sampling event and results are discussed in detail in section 2.0 of this report.

In March of 1995, Alameda County directed I-R to conduct additional ground water assessment work as part of remedial activities.

In May of 1995, SVE testing was conducted on several vent wells. The testing results were used as the basis for a redesign of the SVE system. Construction of the redesigned system began in mid-September and was completed in early October.

2.0 GROUND WATER DATA SUMMARY

The June 1995 ground water sampling event (June 1995 event) included monitoring wells MW-3, MW-4, and OB-1, and for the June 1995 event only, vent wells, VW-5, VW-6, VW-8, and VW-9. Figure 2 provides an overall site plan and sampling point locations.

During the May 1995 SVE testing, water was observed in several vents, apparently because of the high water table over the winter and spring. In order to provide additional data for the additional ground water assessment, these vents were included in the sampling schedule for the June 1995 event. Because of a mix-up in sampling parameters, the vent sampling was completed on two days, June 30 and July 27, 1995.

Nitrate and dissolved oxygen content were added to the routine sampling parameters for the June 1995 event. Table 1 provides a summary of the sampling points and analytical parameters for the event. The samples were collected and analyzed by Clayton Environmental Consultants. The analytical results, the chain of custody forms, and stabilization tests can be found in Appendix A.

The June and October 1994 and the January 1995 sampling events included upgradient wells MW-1 and MW-2. During a March 2, 1995, telephone conference with Alameda County Health Care Services, it was agreed that no additional quarterly sampling of MW-1 and MW-2 would be necessary.

2.1 GROUND WATER LEVEL DATA

Depth to water measurements were collected as part of the June 1995 event. The field measurements are recorded in the stabilization tests found in Appendix A. During July 1995, temporary measuring points were established for vents VW-5 through VW-9 and depth to water measurements collected as part of the field activities for the additional ground water assessment. These activities and the findings are discussed in section 3.0 of this report. A summary of all water level data and measuring point elevations is provided in Table 2.

During the June 1995, event water level elevations beneath the facility ranged between 11.3 to 13.03 feet above sea level. Overall, the water level elevations across the facility were down 0.68 to 1.10 feet from the April 1995 measurements. Water levels continued their decline from the January 1995 when water table elevations were at period of record highs.

During the period of record, the water levels have generally risen 2 to 3 feet, reflecting increasing precipitation from several dry years in the mid to late 1980s to rainfall amounts in the 1990s that are near the historic mean. Rainfall at the nearby San Leandro Marina's rainfall gage has varied from a low of 10.13 inches in the 1989-1990 water year to a high of 19.33 inches during the 1994-1995 water year (Alameda County 1995). The rainfall for April, May and June of 1995 was 0.98, 0.87 and 0.75 inches, respectively. The April amount was near the historic April average. May and June amounts were well above the monthly averages.

2.1.1 Ground Water Gradient

The shallow ground water in the area of the facility appears to respond directly to rainfall events. Water level elevation hydrographs for the four monitoring wells are presented on Figure 3. Water level elevations in individual wells also continue to respond fairly uniformly. This uniform fluctuation results in generally consistent hydraulic gradients and ground water flow direction with time.

The general ground water flow direction remains to the southwest. Ground water contours for the June 1995 event are shown in Figure 4. The southwesterly direction remains consistent with past findings. The direction is also areally consistent with that reported in the Hydrogeology of Central San Leandro (Woodward-Clyde Consultants (WCC), 1993).

For consistency with previous data plotting, Figure 4 was contoured using the monitoring well data only. After contouring, the water level data from the vents was added. The vent data generally fit and are consistent with the contoured elevations.

A flexure in the ground water contours was observed and discussed during the January and April 1995 events and reporting. The area of the flexure coincided generally with an area of coarser sand, identified during the 1990 boring program. The phenomenon appears to have occurred as the water table rose into this more permeable material. As a comparison of Figure 3 in the April 1995 report and Figure 4 in this report show that the flexure is dissipating as the ground water level declines.

Overall, it is generally acknowledged that because of the interlayered nature of the shallow subsurface, its likely contours are not as uniform as portrayed. Variations in soil particle size and permeability can cause local variations in flow direction.

2.1.2 Ground Water Flow Velocity

Ground water generally flows beneath the facility in a southwesterly direction. A ground water flow velocity can be calculated from:

$$v = (k \times i)n$$

where, v = ground water flow velocity (ft/day)
k = hydraulic conductivity (ft/day)
i = hydraulic gradient (ft/ft)
n = porosity (dimensionless)

The following list summarizes the variables and the information sources for the estimate of the variable value.

Variable	Estimate	Data Source
Hydraulic conductivity (k)	9.0 ft/day[(1)]	IT Corporation, Data Summary Report, 1990
Hydraulic gradient (I)	0.005	Capsule, Quarterly Monitoring Report, October 1995
Porosity (n)	0.30 [(2)]	Freeze and Cherry (1979), Table 2.4

(1) From pumping test performed on MW-4

(2) The cited porosity range for sand was 25% to 40%. Based upon the silty and clayey nature of the site's sand, 30% was selected.

A ground water velocity of 0.15 feet per day or 55 feet per year was calculated from these estimates. This velocity is considered low. Appendix B presents the velocity calculations.

2.2 GROUND WATER ANALYTICAL DATA

The June 1995 event water samples were analyzed using the methods listed in Table 1. As a one-time sampling, dissolved nitrate as N and in situ dissolved oxygen were measured. The organic analyses results are presented in Table 3.

In the monitoring wells, no new aromatic or chlorinated VOCs were detected during the June 1995 event. Concentrations for MW-3 were generally lower than previous sampling events. Concentrations for MW-4 were generally lower or in the same range as previous sampling events. Samples collected from VW-5 and VW-6 did not detect any gasoline or chlorinated constituents. Samples collected from VW-8 and VW-9 detected several gasoline constituents. Additional discussion is provided on individual chlorinated and aromatic organic compounds below.

In most instances, the laboratory reported concentrations of the benzene, ethylbenzene, toluene, and xylene (BETX) compounds differ slightly for United States Environmental Protection Agency (EPA) methods 8020 and 8260. For discussion purposes, the greater of the two values are used.

While the water samples were not collected from a public water source, the California maximum contaminant levels (MCLs) are presented for comparison purposes with the detected concentrations.

2.2.1 Chlorinated Organics

Chlorinated VOC detections have been found in monitoring wells.

2.2.1.1 Trichloroethene (TCE)

Throughout the period of record MW-1 and MW-2, which are on the upgradient part of the facility, have consistently shown TCE detections, ranging from 5 to 29 microgram/liter (μg/l).

The Department of Toxic Substance Control information indicates that TCE is a widely occurring VOC found in the shallow ground water in the San Leandro area (WCC, 1993). Given this information and the occurrences in upgradient wells, it is likely that the TCE-impacted ground water detected in MW-1 and MW-2 is flowing onto the facility from an upgradient source.

By agreement with Alameda County, these wells have not been sampled since the January 1995 event.

Analytical results from MW-4 and OB-1 continue to indicate TCE detections of 8 and 55 μg/l, respectively. Previous detections in these wells ranged from 14 to 66 μg/l. MW-4 and OB-1 are on the downgradient side of the facility. The TCE detections have at least two possible source areas: 1) the continuation of the TCE-impacted ground water observed in the upgradient wells MW-1 and MW-2 and 2) a localized, undocumented release. While the facility formerly used a TCE parts cleaner, there are no soil sampling observations or analytical results to suggest an undocumented release on the property.

No TCE was detected in the sampling of VW-5, VW-6, VW-8, or VW-9.

The California MCL for trichloroethene is 0.005 mg/l or 5 μg/l.

2.2.1.2 -- 1,2-Dichloroethene

Cis-1,2-dichloroethene was detected in OB-1 at 12 μg/l. Previous detections in OB-1 ranged from 6.7 to 9 μg/l. Potential sources of these low concentrations include breakdown products of TCE and as a manufacturing artifact of TCE.

Cis-1,2-dichloroethene was detected in VW-9 at 6 μg/l.

The California MCL for cis-1,2-dichloroethylene is 0.006 mg/l or 6 μg/l.

Trans-1,2-dichloroethene was detected in OB-1 at 15 μg/l. Previous detections in OB-1 ranged from 8 to 15 μg/l. Potential sources of these concentrations include breakdown products of TCE and as a manufacturing artifact of TCE.

The California MCL for trans-1,2-dichloroethylene is 0.010 mg/l or 10 μg/l.

2.2.1.3 Chlorobenzene

In previous sampling events, chlorobenzene detections in MW-3 ranged from 17 to 19 μg/l. During the June 1995 event, chlorobenzene was not detected. Typical uses for the compound include, as a solvent, heat transfer and in the production of pesticides (Sax and Lewis, 1987).

The California MCL for monochlorobenzene (chlorobenzene) is 0.030 mg/l or 30 μg/l.

2.2.1.4 Dichlorobenzene Isomers

The three isomers of dichlorobenzene were detected in MW-3 in concentrations ranging from 9 to 58 μg/l. Previous detections ranged from 7 to 64 μg/l. The three isomers: 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene have a wide variety of uses including solvent, dye manufacturing, insecticides, and industrial odor control. 1,3-dichlorobenzene and 1,4-dichlorobenzene are generally used in fumigants and insecticides (Sax and Lewis, 1987).

During the June 1995 event, 1,4-dichlorobenzene was detected at 17 μg/l in MW-3. Previous detections ranged from 11 to 18 μg/l. 1,3-dichlorobenzene was detected at 9 μg/l in MW-3. Previous detections ranged from 6.6 to 9 μg/l. 1,2-dichlorobenzene was detected at 58 μg/l in MW-3. Previous detections ranged from 42 to 64 μg/l.

There were no dichlorobenzene isomers detected in the VW-5, VW-6, VW-8 or VW-9.

1,4-dichlorobenzene has a California MCL which is .005 mg/l or 5 μg/l.
1,2-dichlorobenzene has a proposed California MCL which is 0.6 mg/l or 600 μg/l. There is no California MCL for 1,3-dichlorobenzene.

2.2.1.5 -- 1,2 Dichloroethane

During the June 1995 event 1,2 dichloroethane was detected at 11 μg/l in MW-3. There has been one other occurrence in MW-3 during the November 1990 sampling when 11 μg/l was detected. Typical uses for the compound include as a solvent and as a lead scavenger in antiknock gasoline.

1,2 dichloroethane was detected in VW-8 and VW-9 at 6 and 33 µg/l, respectively.

The California MCL for 1,2 dichloroethane is 0.0005 mg/l or 0.5 µg/l.

2.2.2 Aromatic Organics

During the June 1995 event, several gasoline component VOCs continue to be detected in samples from monitoring wells MW-3, MW-4, and OB-1. Additionally, several gasoline component VOCs were detected in VW-8 and VW-9. No gasoline component VOCs were detected in VW-5 or VW-6. Each detected VOC is discussed below.

2.2.2.1 Benzene

During the June 1995 event, benzene was detected in MW-3 at 16 µg/l. Previous benzene concentrations ranged from 9 µg/l in October 1994 to 1,200 µg/l in April 1995. (This two order of magnitude fluctuation may be due to the higher water table earlier in the 1995 and accompanying flushing of residual gasoline in soils in the area of MW-3, which is near the former gasoline underground storage tank [UST] site.) In the June 1995 event, both a lower benzene concentration and lower water level elevation were measured in MW-3.

Benzene was detected in MW-4 at 600 µg/l. MW-4 concentrations have been fairly steady throughout 1994 and early 1995, ranging from 260 to 500 µg/l. A sample from late 1990 reported 1,500 µg/l.

Benzene was also detected in VW-8 and VW-9 at concentrations of 280 and 7,500 µg/l, respectively. The VW-9 concentration is the highest for any sampling point for the period of record.

The California MCL for benzene is 0.001 mg/l or 1 µg/l.

2.2.2.2 Ethylbenzene

Ethylbenzene is another gasoline constituent detected in MW-3, MW-4, and OB-1. During the June 1995 event, concentrations ranged from 17 to 570 µg/l. During the June event, the highest concentration was found in MW-4.

The ethylbenzene concentration detected in MW-3 was 20 µg/l. Historically, MW-3 ethylbenzene concentrations ranged from 80 to 720 µg/l.

During the June 1995 event, the benzene concentration in MW-4 was 570 µg/l. Previous detections ranged from 230 to 720 µg/l.

Ethylbenzene was also detected in VW-8 and VW-9 at concentrations of 230 and 1,100 μg/l, respectively.

The California MCL for ethylbenzene is 0.680 mg/l or 680 μg/l.

2.2.2.3 Toluene

Toluene detections in MW-3, MW-4, and OB-1 were 1.7, 18, and 7 μg/l, respectively.

Previous detections in MW-3 have ranged from 4 to 1,700 μg/l. The June 1995 concentration of 1.7 μg/l is the lowest detected during the period of record. This follows the January and April 1995 results of 410 and 1,700 μg/l, which were the highest for the period of record. The three quarterly events are similar to increasing and decreasing benzene and xylene concentrations and support the concept of flushing of residual gasoline in unsaturated soils during the late 1994 to early 1995 period of high rainfall.

Toluene concentrations in MW-4 range from 19 to 110 μg/l. The 19 μg/l detected during the June 1995 event was similar to the 17 μg/l detected in the April 1995 event.

Toluene concentrations in OB-1 range from non detection to 39 μg/l. The 7 μg/l detected in the June 1995 event was similar to the 3.4 μg/l detected in the April 1995 event.

Toluene was also detected in VW-8 and VW-9 at concentrations of 570 and 3,500 μg/l, respectively.

2.2.2.4 Isomers of Xylene

All three isomers of xylene were detected in MW-3, MW-4, and OB-1 during the June 1995 event.

In MW-3, o-xylene was detected at 33 μg/l. Previous MW-3 concentrations of o-xylene ranged from 31 to 940 μg/l with the highest value occurring during the April 1995 sampling event. In MW-3, p and m-xylenes were detected at 99 μg/l. Previous MW-3 concentrations of p and m xylenes ranged from 100 to 2,100 μg/l with the highest value also occurring during April 1995. The higher xylene concentrations appear to be the result of flushing of residual gasoline from the soil in the MW-3 area.

Xylene isomer concentrations were slightly higher in MW-4 compared to the April 1995 event; o-xylene was detected at 74 μg/l. Previous MW-4 concentrations ranged from 50 to 320 μg/l for o-xylene; p and m-xylenes were detected at 520 μg/l. Previous MW-4 concentrations ranged from 270 to 730 μg/l.

Xylene isomers were detected in VW-8 and VW-9 during the June 1995 event, and also o-xylene was detected at VW-8 and VW-9 at concentrations of 130 and 1,200 μg/l, respectively. In VW-8 and VW-9, p and m xylenes were detected at concentrations of 210 and 2,400 μg/l, respectively.

The California MCL for xylenes is 1.75 mg/l or 1750 μg/l for either a single isomer or the sum of the isomers.

2.2.2.5 Napthalene

This gasoline component has been detected in MW-3, MW-4, and OB-1.

During the June 1995 event, napthalene was detected at 14 μg/l in MW-3. Previous MW-3 concentrations ranged from 18 to 150 μg/l. The April 1995 event sample detected 150 μg/l. As with the BETX compounds, the decreased napthalene concentration appears associated with flushing of residual gasoline in the MW-3 area.

The MW-4 concentration was 98 μg/l. Previous MW-4 concentrations range from 46 to 120 μg/l.

Napthalene was also detected in VW-8 and VW-9 at concentrations of 46 and 240 μg/l.

2.2.2.6 Trimethylbenzene

Both 1,2,4 and 1,3,5 trimethylbenzene occur in MW-3, MW-4, and OB-1.

In MW-3, 1,2,4 trimethylbenzene was detected at 54 μg/l during the June 1995 event. Previous MW-3 concentrations range from 120 to 650 μg/l. In MW-3, 1,3,5 trimethylbenzene was detected at 40 μg/l. Previous MW-3 concentrations range from 22 to 160 μg/l. As with the BETX compounds, the decreased trimethylbenzene concentrations appear to be the response to flushing of soil near the MW-3 area.

During the June 1995 event, 1,2,4 trimethylbenzene was detected at 690 μg/l in MW-4. Previous MW-4 concentrations range 300 to 600 μg/l. In MW-4, 1,3,5 trimethylbenzene was detected at 130 μg/l. Previous MW-4 concentrations range from 100 to 120 μg/l.

During the June 1995 event, 1,2,4 trimethylbenzene was detected in OB-1 at 8 μg/l.

In VW-8 and VW-9, 1,2,4 trimethylbenzene was detected at 270 and 650 μg/l, respectively. In VW-8 and VW-9, 1,3,5 trimethylbenzene was detected at 61 and 190 μg/l, respectively.

2.2.2.7 Other Gasoline Components

Throughout the period of record, a number of other gasoline related VOCs have also been detected in MW-3, MW-4, and OB-1. Concentrations of n-butylbenzene, isopropylbenzene (cumene), sec-butylbenzene, and n-propylbenzene have been detected during the sampling events.

During the June 1995 event, these VOCs were detected in concentrations similar to those of previous sampling events. Most concentrations are 100 μg/l or less. Additionally, these four benzene compounds were detected in VW-8 and VW-9 during the June 1995 event. The highest concentration was 120 μg/l of n-propylbenzene in VW-9. The other detected concentrations were less than 100 μg/l.

2.2.2.8 Total Petroleum Hydrocarbons (TPH) as Gasoline

During the June 1995 event, TPH as gasoline was detected at 1,600 μg/l in MW-3. Previous detections ranged from 2600 to 14,000 μg/l. The 14,000 μg/l was detected during the April 1995 event. This order of magnitude decrease from the April to the June sampling is consistent with the BETX compound decrease previously discussed and likely results from less residual gasoline flushing from the soil in the MW-3 area.

In MW-4 and OB-1, concentrations for TPH were 7,800 and 2,600 μg/l, respectively.

For the period of record, MW-4 concentrations ranged from 7,600 to 9,700 μg/l. The highest concentration occurred in the January 1995 result. Concentrations for OB-1 ranged from 1,600 to 3,900 μg/l. The highest concentration occurred in the January 1995 sample.

During the June 1995 event, TPH as gasoline in VW-8 and VW-9 were 5,300 and 32,000 μg/l, respectively.

3.0 ADDITIONAL GROUND WATER ASSESSMENT

This portion of the October Report summarizes the activities associated with the additional ground water assessment that was conducted during the summer of 1995.

3.1 BACKGROUND

In late June and early July 1995, Capsule and selected contractors conducted additional ground water assessment activities both at and downgradient of the I-R facility. The assessment was called for by Alameda County in a telephone meeting on March 2, 1995. A scope of work for the assessment was submitted to Alameda County on April 25, 1995, by Capsule. The scope of work was approved by Alameda County on June 2, 1995.

3.2 ASSESSMENT ACTIVITY SUMMARY

The additional ground water assessment activities included:

- Obtaining access to adjacent property for the installation of ground water sampling points
- Clearing utilities and obtaining drilling permits
- Installing, logging, and ground water sampling of 12 points
- Abandonment of sampling locations
- Laboratory analysis of ground water samples
- Ground water sampling of selected SVE vents (vent wells)
- Surveying of selected measuring points for elevation

Implementation activities for the scope of work began with Capsule arranging for access agreements with adjacent property owners for the installation of temporary ground water sampling points (see Figure 5). Access agreements were arranged with 4M Manufacturing and Mark Container. 4M Manufacturing operates a manufacturing facility immediately to the west and hydraulically downgradient from the I-R facility. Mark Container's manufacturing facility is north, across a set of railroad tracks, from the western half of the I-R facility. Access was obtained to Mark Container as a contingency. In the likelihood that probe sampling results indicated an unexpected flow direction to the northwest, Mark Container property was to be the site of additional sampling. Attempts were also made to gain access to the track area, belonging to the Southern Pacific Railroad immediately north of the I-R facility. The attempts were unsuccessful. An attempt was also made during the field activities to gain access to the Case facility to the north. This attempt was also unsuccessful.

Field activities began with the staking of ground water sampling locations. Thirteen sampling locations were marked after meeting with and discussing the proposed locations with the 4M Manufacturing plant manager and the I-R operations manager (see Figure 5 for sampling locations). Points along the west side of 4M Manufacturing had to be moved to the west approximately 50 feet from their proposed scope of work locations. This was necessary due to heavy truck and forklift traffic and material stockpiling around the proposed locations. Otherwise, only minor adjustments to the proposed scope of work locations had to be made, due to obstacles, such as factory machinery and materials storage. Subtronics, a Berkeley-based utility locating service, provided utility clearance for the proposed sampling locations.

Gregg Drilling, Martinez, California, provided the personnel and soil probing equipment for the sampling probe installation. Their equipment was a Geoprobe brand, GP-40 model. The Geoprobe sampling method is a hydraulically-powered, percussion probing technique. The sampling tool is advanced by using the static weight of the vehicle and percussion.

Eight of the probe locations were sampled continuously from the surface to approximately 20 feet. At four locations only the lower portions of the probe boring were logged. This was done in certain areas to minimize potential disruption to industrial activities and where there was already sufficient lithologic information.

The sampler was advanced in two foot increments. The advancing sampler collected soil cores inside 6-inch brass liners. Upon retrieval, a portion of the sample was used to measure a headspace reading with a HNu photoionization detector. The remainder of the sample was logged by a Capsule geologist for lithology. Prior to each sampling run, the sampler was cleaned with an Alcanox solution and rinsed. Four sample probes were available to minimize cleanup time.

Probing was performed until the water table was encountered. Once the water table was reached, a ground water sample was either collected with a small diameter stainless steel bailer, or a temporary well was constructed from new 3/4-inch PVC well screen and riser pipe. Upon completion of the sampling, the probe holes were backfilled with bentonite pellets and capped with either concrete or fill, depending on the original surface.

After collection, samples were labeled, packed for shipment in a cooler, and kept chilled to 4 degrees Celsius. A chain of custody was prepared. A trip blank accompanied each cooler. Field blanks were prepared by pouring distilled water through the cleaned, stainless steel bailer. Samples were delivered to Clayton Environmental Consultants, Pleasanton, California, each day. During the first and second day, samples were expedited for quick analysis so that findings would be available for work planning. Based upon sampling results from the first two days, GP-3 was not installed.

Clayton's laboratory analyzed the samples by EPA Method 8260 and EPA Method 8015/8020. These methods were selected for consistency with the quarterly sampling. At the Geoprobe location GP-4 there was insufficient water to collect samples for both methods, even after more than one day's recharge into the probe hole. As a result, GP-4 analysis was by EPA Method 8015/8020 only.

As part of the quarterly sampling conducted on June 30, 1995, and continued on July 27, 1995, samples were collected from vents VW-5, VW-6, VW-8, and VW-9 to provide additional ground water level and quality information for the assessment. Temporary measuring points were established on the top of the vents and depths to water measured. Samples were collected from VW-5 and VW-6 on June 30, 1995. Samples were collected from VW-8 and VW-9 on July 27, 1995. All samples were analyzed by EPA Method 8260 and EPA Method 8015/8020.

The surveying firm, Moran Engineering, Berkeley, California, determined the vertical and horizontal positions of vents VW-5, VW-6, VW-8, and VW-9 and the three on-site Geoprobe locations GP-1, GP-2, and GP-13.

3.3 ASSESSMENT FINDINGS

3.3.1 Geology

The boring logs from the Geoprobe installation are in Appendix C.

The Geoprobe borings indicated layered, unconsolidated sediments, comprised of clay, silt, and sand ranging from very fine to medium to some coarse grained in the first 20 feet. Previous investigators have classified these sediments as fluvial deposits (Hickenbottom and Muir, 1988). Additionally, similar to previous borings, a dense, gray clay was observed near 20 feet below land surface.

3.3.2 Ground Water Flow

Vent water levels, for VW-8 and VW-9 along with MW-4 were also used to develop a characterization of ground water flow direction and gradient near the area of additional investigation. The water level data are summarized in Table 2.

Vents VW-8 to VW-9 are approximately 75 feet apart and 65 to 70 feet from GP-2. Within the triangular area formed by VW-8, VW-9, and MW-4, a hydraulic gradient was calculated to be 0.003 ft/ft. This gradient is similar to that for the facility. (See section 2.1.1 and 2.1.2.) The ground water flow direction to the southwest is very similar to that shown in Figure 4 for the facility. Appendix E contains the calculations for the hydraulic gradient and flow direction.

3.3.3 Ground Water Quality

The analytical data package including results and chains of custody are included as Appendix D.

During the Geoprobe field work, gasoline free product sheens and gasoline odors were observed in four Geoprobe locations: GP-1, GP-2, GP-5, and GP-10. Additionally, analytical results detected one or more of the gasoline constituents in GP-7, GP-4, GP-11, and GP-12. (The GP-12 results were at or very near the method detection limits.) Samples were collected but not analyzed from GP-5 and GP-10 because of the obvious sheens and gasoline odors. The analytical results are presented in Table 4.

Three chlorinated solvent detections are indicated by the EPA 8260 analyses. In GP-7, 1,1,1 trichloroethane was detected at 7 μg/l. In GP-8, 1,1 dichloroethene and 1,1,1 trichloroethane were detected at 14 μg/l and 41 μg/l, respectively. Trichloroethene was detected in GP-13 at 18 μg/l. Neither 1,1,1 trichloroethane or 1,1 dichloroethane have been

detected during the period of record for the facility monitoring. Historically, there have been detections of trichloroethene in the upgradient well MW-1, which is near GP-13.

The Geoprobe ground water sampling and the June 1995 event results were used to prepare two figures. Figure 6 is a generalized concentration map showing TPH as gasoline. The 10,000 μg/l TPH contour forms a discontinuous lobe trending generally northeast to southwest with the highest level found in GP-2 near the northwest corner of the I-R facility. Figure 7 is a contour map depicting the sum of the BETX (from Method 8020) compounds at each ground water sample location.

4.0 CONCLUSIONS

The conclusions combine observations, data, and evaluation for both the June 1995 sampling event, past site work data, and the additional ground water assessment activities of June and July 1995. Publicly available hydrogeologic and ground water contamination studies were also used in the evaluation.

The shallow geologic setting beneath the facility is a sequence of fill, silts, clays and sands that have been mapped as fluvial deposits. The depth to ground water is 12 to 15 feet.

The shallow ground water flows through a sequence of saturated sands, silts, and clays. During the June 1995 sampling, the ground water gradient was 0.005 feet. The water table elevation is 11.4 to 13.0 feet above sea level, and its velocity is approximately 55 feet per year. Flow is to the southwest.

As of the end of June 1995, ground water elevations in facility monitoring wells have declined 1.2 to 1.6 feet from the period of record highs that occurred in January 1995. June water levels were still above levels measured prior to January 1995.

Seasonally, ground water levels in facility monitoring wells respond fairly uniformly. This supports the conclusion of a fairly consistent flow direction to the southwest.

Gasoline constituent and some chlorinated VOCs continue to be detected in monitoring wells.

BETX constituents from the monitoring well MW-3, near the former UST, decreased by an order of magnitude from January and April levels. The earlier increases and the June decrease is likely due to infiltrating precipitation flushing residual gasoline and rising water levels into sediments with residual gasoline.

The additional ground water assessment identified an area of gasoline-related impacts in the far northwest corner of the facility. The ground water flow gradient and direction make it unlikely that the MW-3 area impacts, and the northwest corner impacts are from a common source. A review of the San Leandro Fire Department's files did not provide possible upgradient sources for the observed gasoline-related impacts.

Off-site access was sought but was not available to install additional sampling points upgradient of the northwest corner impacted area.

Gasoline constituents were detected in four ground water sampling points downgradient of the facility.

Both chlorinated and gasoline constituent VOCs continue to be detected in the wells near the facility's downgradient boundary.

5.0 ACTIVITIES STATUS SUMMARY

The following corrective action activities are either in progress or planned for the coming months.

Construction work began on the expanded SVE system on September 11, 1995. Vents VW-3, VW-4, VW-5, VW-6, and VW-9 were hooked up to the system. The expanded system was started up during the week of October 2, 1995.

Following startup, the system is being operated, monitored, and maintained to remove VOCs in the soil. System performance reporting will be included in future quarterly reports.

The next quarterly ground water sampling event is scheduled for October. Results will be submitted as part of the January 1996 quarterly report.

Work will begin on the corrective action plan. The plan will include the results of the first quarter operation of the SVE system.

6.0 RECOMMENDATIONS

6.1 RECOMMENDATION 1

The ground water sampling results indicate that residual gasoline remains in the soil near MW-3. The recent redesign and SVE construction activity is completed and the system has been operational since early October 1995. The SVE should be operated to remove the residual gasoline in the soil. This recommendation recognizes the technological limitations in removing that portion of hydrocarbons that are held in either adsorbed or capillary phases. Total removal is generally not technically feasible.

The system should be operated as much as possible, recognizing the operational constraints of the air permit conditions, including the requirement to do daily air monitoring of the system. This requirement limits system operation to the business work week.

6.2 RECOMMENDATION 2

Quarterly sampling should be continued quarterly through the June 1996 event. At that time, an evaluation of the sampling program should be performed and appropriate modifications, if any, offered in a letter type report to Alameda County.

6.3 RECOMMENDATION 3

Vent well VW-8 should be added to the monitoring program. The well should be added to the quarterly sampling schedule. Sampling of OB -1 should be discontinued.

6.4 RECOMMENDATION 4

Given the gasoline-related impacts in the northwest corner of the property and the proximity of these impacts to the property line, it appears that there may be an off-site source for the observed impacts. During the additional assessment, I-R's consultant attempted and were unable to obtain access to conduct investigation activities upgradient of this impacted area.

Given these circumstances, no further investigation activities are planned for this impacted area.

7.0 REFERENCES

Alameda County, 1995, faxed precipitation data from the Alameda County Flood Control and Water Conservation District, Water Resources Section, Oakland, California.

Hickenbottom, K. and Muir, K., Geohydrology and Ground water-Quality Overview of the East Bay Plain Area, Alameda County, California 2005 (j) Report, Alameda County Flood Control and Water Conservation District, Oakland, California.

IT Corporation, 1990, I-R Corporation Data Summary Report, Subject Site: 1944 Marina Boulevard, San Leandro, California, Martinez, California.

IT Environmental Services, 1989, Problem Assessment Report, prepared for I-R Incorporated, Martinez, California.

Sax, N.I, and R. J. Lewis, 1987, Hawley's Condensed Chemical Dictionary, Van Nostrand Reinhold, New York.

Woodward-Clyde Consultants, 1993, Hydrogeology of Central San Leandro and Remedial Investigation of Regional Ground water Contamination San Leandro Plume, San Leandro, California, prepared for the California Environmental Protection Agency, Oakland, California.

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

August 29, 1995

Mr. Jay S. Mattsfield
CAPSULE ENVIRONMENTAL ENGINEERING, INC.
1970 Oakcrest Avenue, Suite 213
St. Paul, Minnesota 55113-2624

Clayton Project No. 60899.02

Subject: Analytical results of monitoring wells at the Ingersoll-Rand facility in San Leandro, California

Dear Mr. Mattsfield:

Clayton Environmental Consultants, Inc. is pleased to present the enclosed analytical results for the groundwater sampling event conducted on July 27, 1995 at the Ingersoll-Rand facility located at 1944 Marina Boulevard in San Leandro, California. Also included are the updated analytical results for the groundwater sampling event conducted on June 30, 1995.

Groundwater samples were collected from monitoring wells VW-8 and VW-9. Prior to sampling the static water depths were measured and 4 to 5 casing volumes of water were purged according to standard Clayton Sampling Protocol. One Department of Transportation (DOT) approved 55-gallon drum was left onsite to store the purge water. Upon completion of well sampling a sample from the purge drum was collected to characterize the purge water.

Groundwater samples from monitoring wells VW-8 and VW-9 were analyzed using Environmental Protection Agency (EPA) Method 8260 for volatile organic compounds (VOCs), Method 8015 modified for gasoline, and EPA 8020 for benzene, toluene, ethylbenzene, and xylenes (BTEX).

In addition, water levels were taken for the following wells:

Well Number	Time	Water Level
MW-3	1352	15.79 ft.
MW-4	1348	17.93 ft.
VW-5	1342	22.02 ft.
VW-6	1345	20.98 ft.
VW-8	1208	22.77 ft.
VW-9	1255	23.40 ft.

Attachment 1 includes laboratory reports detailing the analyses conducted for water samples collected from monitoring wells VW-8 and VW-9. Attachment 2 includes well field sampling forms describing the sampling of the wells and depth to water measurements. The sampling protocols used for sample collection is included in Attachment 3.

If you have any questions regarding the sampling event, please call me at (510) 426-2676 or Richard Silva at (510) 426-2670.

Sincerely,

John F. Vargas, R.G.
Supervisor, Geosciences and Remediation
Western Operations

REGISTERED GEOLOGIST
JOHN F. VARGAS
NO. 5046
STATE OF CALIFORNIA

JFV/rjs
Enclosures

ATTACHMENT 1

ANALYTICAL RESULTS

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

August 10, 1995

Mr. John Vargas
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 60899.02
Clayton Project No.: 95072.57

Dear Mr. Varga:

Attached is our analytical laboratory report for the samples received on July 28, 1995. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after September 9, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Harriotte A. Hurley, CIH
Director, Laboratory Services
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-8	Date Sampled:	07/27/95
Lab Number:	9507257-01A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	260	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	9	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	6	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-8	Date Sampled:	07/27/95
Lab Number:	9507257-01A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	210	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	21	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	46	5
n-Propylbenzene	103-65-1	57	5
sec-Butylbenzene	135-98-8	6	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	44	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-8	Date Sampled:	07/27/95
Lab Number:	9507257-01A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	270	5
1,3,5-Trimethylbenzene	108-67-8	61	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	130	5
p,m-Xylenes	--	210	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	103	86 - 115
Dibromofluoromethane	1868-53-7	95	86 - 118
1,2-Dichloroethane-d4	17060-07-0	100	76 - 114
Toluene-d8	2037-26-5	100	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

CAPSULE®
ENVIRONMENTAL ENGINEERING, INC

November 22, 1995

95 DEC -1 PM 2:29

Mr. Scott Seery, CHMM
Alameda County Health Care Services Agency
Environmental Protection Division
Room 250
1131 Harbor Bay Parkway
Oakland, California 94502

Dear Mr. Seery:

On behalf of Ingersoll-Rand Equipment Sales, Capsule Environmental Engineering, Inc., and our project partner, Braun Intertec Corporation, would like to submit the enclosed report, *Quarterly Report October 1995*. This report is part of Ingersoll-Rand Equipment Sales' corrective action activities to address the underground storage tank leak at 1944 Marina Boulevard, San Leandro, California.

The *Quarterly Report October 1995* was prepared to summarize the monitoring and remediation activities for the period from June through October 1995. The report also summarizes the activities and findings for the additional investigation that was requested by Alameda County in March 1995.

If you have any questions, comments, or need additional information cited in the report, please contact John McDermott at (800) 328-8246.

Sincerely,

John J. McDermott
Hydrogeologist
Capsule Environmental Engineering, Inc.

Gerald E. Stuth, P.E.
Senior Project Manager
Braun Intertec Corporation

JJM:mmf
cc/enc: L. Feldman/Regional Water Quality Control Board, Oakland, CA
R. Heindl/Ingersoll-Rand Equipment Sales, Bethlehem, PA
A. Aguirre/Ingersoll-Rand Equipment Sales, San Leandro, CA
M. Bakaldin/San Leandro Fire Department, San Leandro, CA

1970 Oakcrest Avenue, Suite 215 • St. Paul, MN 55113-2624 • (612) 636-2644 • Fax (612) 636-3106
Toll Free 1-800-328-8246

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-9	Date Sampled:	07/27/95
Lab Number:	9507257-02A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	6600	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	13	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	33	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	6	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-9	Date Sampled:	07/27/95
Lab Number:	9507257-02A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	970	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	48	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	240	5
n-Propylbenzene	103-65-1	120	5
sec-Butylbenzene	135-98-8	9	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	2600	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-9	Date Sampled:	07/27/95
Lab Number:	9507257-02A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	650	5
1,3,5-Trimethylbenzene	108-67-8	190	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	1100	5
p,m-Xylenes	--	1900	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	97	86 - 115
Dibromofluoromethane	1868-53-7	101	86 - 118
1,2-Dichloroethane-d4	17060-07-0	108	76 - 114
Toluene-d8	2037-26-5	110	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	DS-5	Date Sampled:	07/27/95
Lab Number:	9507257-03A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	DS-5	Date Sampled:	07/27/95
Lab Number:	9507257-03A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	DS-5	Date Sampled:	07/27/95
Lab Number:	9507257-03A	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	104	86 - 118
1,2-Dichloroethane-d4	17060-07-0	108	76 - 114
Toluene-d8	2037-26-5	98	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9507257-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9507257-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9507257-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/28/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	97	86 - 118
1,2-Dichloroethane-d4	17060-07-0	106	76 - 114
Toluene-d8	2037-26-5	98	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-8	Date Sampled:	07/27/95
Lab Number:	9507257-01C	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/31/95
Preparation Method:	EPA 5030	Date Analyzed:	07/31/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	280	0.4
Ethylbenzene	100-41-4	230	0.3
Toluene	108-88-3	570	0.3
o-Xylene	95-47-6	89	0.4
p,m-Xylenes	--	180	0.4
Gasoline	--	5300	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	92	50 - 150

ND: Not detected at or above limit of detection
NA: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	VW-9	Date Sampled:	07/27/95
Lab Number:	9507257-02C	Date Received:	07/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/31/95
Preparation Method:	EPA 5030	Date Analyzed:	07/31/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	7500	0.4
Ethylbenzene	100-41-4	1100	0.3
Toluene	108-88-3	3500	0.3
o-Xylene	95-47-6	1200	0.4
p,m-Xylenes	--	2400	0.4
Gasoline	--	32000	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	89	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9507257-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/28/95
Preparation Method:	EPA 5030	Date Analyzed:	07/28/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	85	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification: DS-5
Lab Number: 9507257-03
Sample Matrix/Media: WATER

Date Sampled: 07/27/95
Date Received: 07/28/95

Analyte	Concentration		Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Flash Point	>140	a	--	Degrees F	--	08/08/95	--	EPA 1010
Reactive Cyanide	<0.1		0.1	mg/L	--	08/01/95	--	EPA 335.2
Reactive Sulfide	<10		10	mg/L	--	08/07/95	--	SW 7.3.4.2
pH	7.4		--	S.U.	--	07/31/95	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

a Sample smoked at 160 degrees F, making identification of a flash impossible.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95072.57

Sample Identification: METHOD BLANK
Lab Number: 9507257-05
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Reactive Cyanide	<0.1	0.1	mg/L	--	08/01/95	--	EPA 335.2
Reactive Sulfide	<10	10	mg/L	--	08/07/95	--	SW 7.3.4.2

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton
ENVIRONMENTAL
CONSULTANTS

Quality Assurance Results Summary

Matrix Spike/Matrix Spike Duplicate Results

for

Clayton Project No. 95072.57

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate
for
Clayton Project No. 95072.57

Clayton Lab Number: LCS
Ext./Prep. Method: EPA7.3.4.2
Date: 08/07/95
Analyst: HYW
Std. Source: BAKER 611700
Sample Matrix/Media: WATER

Analytical Method: EPA7_3_4_2
Instrument ID: 00008
Date: 08/07/95
Time: 02:20
Analyst: HYW
Units: mg/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
REACTIVE SULFIDE	ND	54.4	50.4	93	51.2	94	93	65	120	1.6	20

ND = Not detected at or above limit of detection
SOR = Spike out of range due to high sample concentration.
LCL = Lower Control Limit
UCL = Upper Control Limit

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate
for
Clayton Project No. 95072.57

Clayton Lab Number: 9507238-04A
Ext./Prep. Method: EPA5030
Date: 07/28/95
Analyst: JP
Std. Source: M950711-01W
Sample Matrix/Media: WATER

Analytical Method: EPA8260
Instrument ID: 02831
Date: 07/28/95
Time: 03:18
Analyst: JP
Units: UG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	ND	50.0	54.1	108	52.4	105	107	80	120	3.2	20
BENZENE	ND	50.0	42.8	86	43.6	87	86	80	120	1.9	20
CHLOROBENZENE	ND	50.0	52.2	104	52.0	104	104	80	120	0.4	20
TOLUENE	ND	50.0	46.9	94	47.5	95	94	80	120	1.3	20
TRICHLOROETHENE	9.90	50.0	62.4	105	61.9	104	105	80	120	0.8	20

ND = Not detected at or above limit of detection
SOR = Spike out of range due to high sample concentration.
LCL = Lower Control Limit
UCL = Upper Control Limit

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate
for
Clayton Project No. 95072.57

Clayton Lab Number: 9507246-01A
Ext./Prep. Method: EPA 5030
Date: 07/28/95
Analyst: WAS
Std. Source: V950726-01W
Sample Matrix/Media: WATER

Analytical Method: EPA8015_8020
Instrument ID: 05587
Date: 07/28/95
Time: 19:58
Analyst: WAS
Units: UG/L

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	7.15	7.41	104	7.42	104	104	81	118	0.1	20
ETHYLBENZENE	(PID)	ND	7.33	8.26	113	8.32	114	113	81	114	0.7	20
GASOLINE	(FID)	ND	500	541	108	543	109	108	80	150	0.4	25
TOLUENE	(PID)	ND	46.3	49.8	108	50.4	109	108	84	118	1.2	20
TOTAL XYLENE	(PID)	ND	43.3	45.8	106	46.6	108	107	85	115	1.7	20

ND = Not detected at or above limit of detection
SOR = Spike out of range due to high sample concentration.

LCL = Lower Control Limit

UCL = Upper Control Limit

Quality Assurance Results Summary - Matrix Spike/Matrix Spike Duplicate
for
Clayton Project No. 95072.57

Clayton Lab Number: 9507253-15A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: MALL 6881
Sample Matrix/Media: WATER

Analytical Method: EPA335_2
Instrument ID: 07487
Date: 08/01/95
Time: 15:30
Analyst: JDH
Units: mg/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
CYANIDE	ND	0.400	0.412	103	0.416	104	104	70	119	1.0	20

ND = Not detected at or above limit of detection
SOR = Spike out of range due to high sample concentration.

LCL = Lower Control Limit

UCL = Upper Control Limit

Clayton ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page 1 of 1
Project No.	
Batch No. 9507257	
Ind. Code	W.P.
Date Logged In 7/28/95	By JD

REPORT RESULTS TO

Name: JOHN VARGAS | Title:
Company: CLAYTON | Dept.:
Mailing Address:
City, State, Zip:
Telephone No.: | Telefax No.:

SEND INVOICE TO

Purchase Order No.: | Client Job No.: 60899.02
Name:
Company: INGERSOLL-RAND | Dept.:
Address:
City, State, Zip:

Date Results Req.: STANDARD TAT | Rush Charges Authorized? ☐ Yes ☒ No | Phone / Fax Results ☐ ☐

Special Instructions: (method, limit of detection, etc.)

* Explanation of Preservative: P=HCl

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *) EPA 8260	TPH-GAS/BTEX	TCL	HOLD	FOR LAB USE ONLY
VW-8	7-27-95	H_2O	40 mLs	2	XP				01 A, B
VW-8	↓	↓	40 mLs	2		XP			↓ C, D
VW-9			40 mLs	2	XP				02 A, B
VW-9			40 mLs	2		XP			↓ C, D
DS-5			40 mLs	2	XP				03 A, B
DS-5			40 mLs	2		XP			C, D
DS-5			250 mLs	1			X		↓ E
TRIP BLANK #0061495	↓	↓	40 mLs	1				XP	04 A

CHAIN OF CUSTODY

Collected by: RICHARD SILVA (print) | Collector's Signature: Richard Silva
Relinquished by: Richard Silva | Date/Time 7-27-95 / 6:20pm | Received by: | Date/Time
Relinquished by: | Date/Time | Received at Lab by: Tonya Black | Date/Time 7/28/95 8:00 am
Method of Shipment:

Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)
Samples stored properly over night.

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive Novi, MI 48375 (810) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (908) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (510) 426-2657

2/92

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

August 25, 1995

Mr. John Vargas
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

ADDITIONAL REPORT
Client Ref.: 60899.02
Clayton Project No.: 95064.43

Dear Mr. Vargas:

Attached is our additional analytical laboratory report for the samples received on June 30, 1995 and originally reported on July 17, 1995. As requested, all samples have been analyzed for BTEX and Gasoline.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Harriotte A. Hurley, CIH
Director, Laboratory Services
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-3	Date Sampled:	06/30/95
Lab Number:	9506443-01C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	58	5
1,3-Dichlorobenzene	541-73-1	9	5
1,4-Dichlorobenzene	106-46-7	17	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-3	Date Sampled:	06/30/95
Lab Number:	9506443-01C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	14	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-3	Date Sampled:	06/30/95
Lab Number:	9506443-01C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	54	5
1,3,5-Trimethylbenzene	108-67-8	40	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	26	5
p,m-Xylenes	--	41	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	103	86 - 115
Dibromofluoromethane	1868-53-7	108	86 - 118
1,2-Dichloroethane-d4	17060-07-0	112	76 - 114
Toluene-d8	2037-26-5	99	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-4	Date Sampled:	06/30/95
Lab Number:	9506443-02C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	600	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	13	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	11	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-4	Date Sampled:	06/30/95
Lab Number:	9506443-02C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	570	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	60	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	98	5
n-Propylbenzene	103-65-1	110	5
sec-Butylbenzene	135-98-8	10	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	19	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	8	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-4	Date Sampled:	06/30/95
Lab Number:	9506443-02C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	690	5
1,3,5-Trimethylbenzene	108-67-8	130	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	74	5
p,m-Xylenes	--	520	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	105	86 - 115
Dibromofluoromethane	1868-53-7	94	86 - 118
1,2-Dichloroethane-d4	17060-07-0	100	76 - 114
Toluene-d8	2037-26-5	110	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-5	Date Sampled:	06/30/95
Lab Number:	9506443-03C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-5	Date Sampled:	06/30/95
Lab Number:	9506443-03C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-5	Date Sampled:	06/30/95
Lab Number:	9506443-03C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	112	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-6	Date Sampled:	06/30/95
Lab Number:	9506443-05C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-6	Date Sampled:	06/30/95
Lab Number:	9506443-05C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-6	Date Sampled:	06/30/95
Lab Number:	9506443-05C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	108	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	OB-1	Date Sampled:	06/30/95
Lab Number:	9506443-06C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	160	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	12	5
trans-1,2-Dichloroethene	156-60-5	15	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	OB-1	Date Sampled:	06/30/95
Lab Number:	9506443-06C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	17	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	48	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	11	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	7	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	55	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	OB-1	Date Sampled:	06/30/95
Lab Number:	9506443-06C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	8	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	15	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	99	86 - 118
1,2-Dichloroethane-d4	17060-07-0	103	76 - 114
Toluene-d8	2037-26-5	109	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	FIELD BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-10C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/12/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/12/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	FIELD BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-10C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/12/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/12/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	FIELD BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-10C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/12/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/12/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	102	86 - 118
1,2-Dichloroethane-d4	17060-07-0	107	76 - 114
Toluene-d8	2037-26-5	100	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	TRIP BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-11C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	TRIP BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-11C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	TRIP BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-11C	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	101	86 - 115
Dibromofluoromethane	1868-53-7	103	86 - 118
1,2-Dichloroethane-d4	17060-07-0	106	76 - 114
Toluene-d8	2037-26-5	104	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506443-12A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506443-12A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506443-12A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	114	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-3	Date Sampled:	06/30/95
Lab Number:	9506443-01A	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	16	0.4
Ethylbenzene	100-41-4	20	0.3
Toluene	108-88-3	1.7	0.3
o-Xylene	95-47-6	33	0.4
p,m-Xylenes	--	99	0.4
Gasoline	--	1600	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	103	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	MW-4		
Lab Number:	9506443-02A	Date Sampled:	06/30/95
Sample Matrix/Media:	WATER	Date Received:	06/30/95
Preparation Method:	EPA 5030	Date Prepared:	07/07/95
Method Reference:	EPA 8015/8020	Date Analyzed:	07/07/95
		Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	390	0.4
Ethylbenzene	100-41-4	380	0.3
Toluene	108-88-3	18	0.3
o-Xylene	95-47-6	53	0.4
p,m-Xylenes	--	400	0.4
Gasoline	--	7800	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	106	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-5	Date Sampled:	06/30/95
Lab Number:	9506443-03A	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	87	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	VW-6		
Lab Number:	9506443-05A	Date Sampled:	06/30/95
Sample Matrix/Media:	WATER	Date Received:	06/30/95
Preparation Method:	EPA 5030	Date Prepared:	07/06/95
Method Reference:	EPA 8015/8020	Date Analyzed:	07/06/95
		Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	80	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	OB-1	Date Sampled:	06/30/95
Lab Number:	9506443-06A	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	140	0.4
Ethylbenzene	100-41-4	15	0.3
Toluene	108-88-3	7.0	0.3
o-Xylene	95-47-6	3.1	0.4
p,m-Xylenes	--	13	0.4
Gasoline	--	2600	50

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	FIELD BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-10A	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	87	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	TRIP BLANKS #0061495	Date Sampled:	06/30/95
Lab Number:	9506443-11A	Date Received:	06/30/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506443-12A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 60899.02
Clayton Project No. 95064.43

Sample Identification: See Below
Lab Number: 9506443
Sample Matrix/Media: WATER
Method Reference: EPA 353.2

Date Received: 06/30/95
Date Analyzed: 07/03/95

Lab Number	Sample Identification	Date Sampled	Nitrate-N, Dissolved (mg/L)	Method Detection Limit (mg/L)
01	MW-3	06/30/95	<0.05	0.05
-02	MW-4	06/30/95	<0.05	0.05
-03	VW-5	06/30/95	<0.05	0.05
04	MW-1	06/30/95	0.25	0.05
05	VW-6	06/30/95	0.09	0.05
-06	OB-1	06/30/95	<0.05	0.05
07	MW-2	06/30/95	0.63	0.05
08	VW-8	06/30/95	<0.05	0.05
-09	VW-9	06/30/95	<0.05	0.05
-12	METHOD BLANK	--	<0.05	0.05

D: Not detected at or above limit of detection
-: Information not available or not applicable

ATTACHMENT 2

FIELD SAMPLING SURVEY FORMS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 20F99.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well # MW-3 Sampling Team: R. SILVA

Sampling Method: _____

Field Conditions: _____

Describe Equipment D-Con Before Sampling This Well: _____

Total Depth of Well: _____ feet Time: 1352 Depth to Water Before Pumping: 15.79 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch		Purge Volume		Purge Factor		To Purge
_____	feet *	.16	.65	=	_____	gal *	_____	=	_____

Depth Purging From: _____ feet Time Surging Begins: _____

Notes on Initial Discharge: _____

Time	Volume Purged	pH	Conductivity	T	Notes

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 10899.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well # MW-4 Sampling Team: R. SILVA

Sampling Method: _____

Field Conditions: _____

Describe Equipment D-Con Before Sampling This Well: _____

Total Depth of Well: _____ feet Time: 1345 Depth to Water Before Pumping: 17.93 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch	Volume		Purge Factor		To Purge
_____	feet *	.16	.65	= _____	gal *	_____	=	_____

Depth Purging From: _____ feet Time Surging Begins: _____

Notes on Initial Discharge: _____

Time	Volume Purged	pH	Conductivity	T	Notes

EWATER.TBL (11/21/88)

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 6.0849.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well # VW-5 Sampling Team: R. SAVA

Sampling Method: _____

Field Conditions: _____

_____

_____

Describe Equipment D-Con Before Sampling This Well: _____

_____

_____

Total Depth of Well: _____ feet Time: 1342 Depth to Water Before Pumping: 22.02 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch		Purge Factor	Purge To Purge
_____	feet *	.16	.65	= _____ gal *	_____	= _____

Depth Purging From: _____ feet Time Surging Begins: _____

Notes on Initial Discharge: _____

Time	Volume Purged	pH	Conductivity	T	Notes

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 1-0097.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well # YW-6 Sampling Team: R. SILVA

Sampling Method: _____

Field Conditions: _____

Describe Equipment D-Con Before Sampling This Well: _____

Total Depth of Well: _____ feet Time: 1345 Depth to Water Before Pumping: 20.98 feet

Volume Height of Water Column:		Diameter 2-inch	Diameter 4-inch	Volume		Purge Factor		To Purge
_____	feet *	.16	.65	= _____	gal *	_____	=	_____

Depth Purging From: _____ feet Time Surging Begins: _____

Notes on Initial Discharge: _____

Time	Volume Purged	pH	Conductivity	T	Notes

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Project #: 6E99.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well #: VW-8 Sampling Team: R. SILVA

Sampling Method: DISPOSABLE BAILER

Field Conditions: CLEAR SKIES, WARM, COLD

Describe Equipment D-Con Before Sampling This Well:

Total Depth of Well: 25.20 feet Time: 1208 Depth to Water Before Pumping: 22.77 feet

Height of Water Column		Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
2.43 feet	*	.16	(.65)	=	1.58 gal	*	4	=	6.32 gal

Depth Purging From: 25 feet Time Purging Begins: 1215

Notes on Initial Discharge: GRAYISH, SILTY

Time	Volume Purged	pH	Conductivity	T	Notes
1216	2-GAL	6.8	.764	19.6	CLEAR
1217	4-GAL	6.6	.802	19.8	CLEAR, PURGED DRY
1218	6-GAL	6.9	860	19.6	CLEAR
1219	7-GAL	6.8	877	19.7	CLEAR, PURGED DRY

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Project #: 6699.02 Site: INGERSOLL-RAND Date: JULY 27, 1995

Well #: VW-9 Sampling Team: R. SILVA

Sampling Method: DISPOSABLE BAILER

Field Conditions: CLEAR SKIES, WARM, WINDY

Describe Equipment D-Con Before Sampling This Well:

Total Depth of Well: 25.20 feet Time: 12:55 Depth to Water Before Pumping: 23.40 feet

Height of Water Column		Diameter 2-inch	Diameter 4-inch		Volume		Purge Factor		Volume To Purge
1.80 feet	*	.16	(.65)	=	1.17 gal	*	4	=	4.68 gal

Depth Purging From: 25 feet Time Purging Begins: 1302

Notes on Initial Discharge: GRAYISH, SILTY

Time	Volume Purged	pH	Conductivity	T	Notes
1303	2-GAL	7.0	1274	20.1	CLEAR
1304	4-GAL	6.9	1298	20.2	CLEAR, PURGED DRY
1315	5-GAL	6.5	1335	20.5	CLEAR
1316	6-GAL	6.5	1374	20.6	CLEAR, PURGED DRY

ATTACHMENT 3

DRILLING, WELL CONSTRUCTION, AND SAMPLING PROTOCOLS FOR BOREHOLE/MONITORING WELL INSTALLATION

DRILLING, WELL CONSTRUCTION, AND SAMPLING PROTOCOLS FOR BOREHOLE/MONITORING WELL INSTALLATION

BOREHOLE INSTALLATION

Clayton Environmental Consultants, Inc. acquires the proper governmental agency permits to bore, drill, or destroy all proposed boreholes and monitoring wells that intersect with groundwater aquifers and writes a health and safety plan.

Clayton subcontracts only with drillers who possess a current C-57 water well contractor's license issued by the State of California and whose personnel have attended the OSHA 40-hour Hazardous Materials Safety Training. Prior to starting work, a "tailgate" safety meeting including discussion of the safety hazards and precautions relevant to the particular job will be held with all personnel working on the job. Well drillers are identified on permit applications.

Borings are drilled dry by hollow- or solid-stem, continuous flight augers. Augers, drill rods, and other working components of the drilling rig are steam-cleaned before arriving onsite to prevent the introduction of contaminants. These components are also steam-cleaned between borings away from boring locations. Cleaned augers, rods, and other components are stored, and/or covered when not in use.

Our bore logs include a detailed description of subsurface stratigraphy. Clayton examines the soil brought to the surface by drilling operations, and samples undisturbed soil every 5 feet or as otherwise specified. Soil cuttings are screened for hydrocarbon contamination using a photoionization detector. Boring logs are filled out in the field by a professional geologist, civil engineer, engineering geologist who is registered by the State of California, or a technician who is trained and working under the supervision of one of the previously mentioned persons, using the Unified Soil Classification System.

SOIL SAMPLING

Soil samples are taken every 5 feet, at areas of obvious contamination, or as otherwise specified, with a California modified split-spoon sampler that is lined with three six-inch brass tubes. The sampler and rod are inserted into the borehole to the current depth and a hammer of known weight and height above the sampler are allowed to free-fall onto the rod, advancing the assembly 18 inches into undisturbed soil. Clayton uses the number of blows necessary to drive the sampler into the ground to help evaluate the consistency of materials encountered. The sampler is then pulled from the borehole and disassembled, and the three brass tubes are separated for inspection and labeling.

Clayton uses new brass liners or liners cleaned with a trisodium phosphate (TSP) solution, double rinsed with clean tap water, and air dried prior to each sampling. The sampler is also cleaned with TSP and rinsed with tap water between sampling events.

Soil samples selected for laboratory analysis are left in the brass liners, sealed with aluminum foil and plastic caps, taped for air tightness, labeled, and immediately placed into a pre-cooled ice

chest chilled to less than 4°C. Labels contain the following information: site name, date and time sampled, borehole number and depth, and the sampler's initials. The samples are transported under chain-of-custody to a state-certified laboratory. The laboratory analyzes soil samples within the prescribed holding time, storing them at temperatures below 4°C at all times.

Pending results of laboratory analysis, excess drilling and sampling cuttings are placed into Department of Transportation (DOT)-approved drums, labeled with the name of the site, address, and well number, and left at the site. Uncontaminated soil may be disposed of by the client. Soil found to contain levels of contaminants above local or state action levels will require that the client dispose of it in accordance with hazardous waste regulations. At the client's request, we will assist with the disposal of contaminated soil.

WELL CONSTRUCTION

Boreholes are converted to monitoring wells by placing 2-inch or 4-inch diameter well casing with flush-threaded joints and slotted screen into the borehole. Construction materials include polyvinyl chloride (PVC), stainless steel, or low carbon steel. The most suitable material for a particular installation will depend on the parameters to be monitored. All screens and casings used are in a contaminant-free condition when placed in the ground. No thread lubrication is used, other than teflon tape, for connecting the casing segments.

Wells extend at least 10 feet into the upper saturated zone, but do not extend through any clay layers greater than 5 feet that are below the shallow water table. The standard practice for wells installed at hydrocarbon contamination sites is to construct a well with a 20-foot long perforated interval extending 15 feet below and 5 feet above the water table in an unconfined aquifer. The top of the well is solid casing. The annular space of the borehole is backfilled with washed, kiln-dried sand to a point at least 1 foot above the slotted screen. A seal above the filter pack is formed by placing a 1- to 2-foot layer of bentonite pellets on top of the sand. The bentonite pellets are moistened by pouring clean tap water down the hole so that they can expand and seal the annulus. A neat cement grout is placed above the bentonite seal and brought to the ground surface.

Well casings are protected from surface contamination, accidental damage, and unauthorized entry or tampering with water-tight locking caps on the well casings. The caps are usually surrounded by a concrete vault. Wells are clearly identified with a metal tag or other device where the following information is recorded: well number, depth to water, depth of well, casing data including location of screened interval.

WELL DEVELOPMENT

The well seal in newly developed wells must set up for 48 to 72 hours prior to development. Since development of the well can volatilize contaminants present, the well must also settle for at least 48 to 72 hours between development and the first purging/sampling incident.

All monitoring wells are initially developed to clean the well and stabilize sand, gravel, and disturbed aquifer materials around the screened internal perforations. Wells are developed by pumping (or bailing) and surging until water turbidity and specific conductance stabilize. In some cases, where wells are installed in low permeability formations and the wells purge dry, the well

is allowed to recover and is purged dry three times. Clean tap water is introduced into the well if it does not recover rapidly enough.

Pending results by laboratory analysis, purge water from well development and sampling is placed into DOT-approved drums, labeled with the name of the site, address, well number, and left at the site. Uncontaminated water may be disposed of by the client. Water found to contain levels of contaminants above local or state action levels requires that the client dispose of it in accordance with hazardous waste requirements. At the client's request, we can assist with the disposal of contaminated purge water.

GROUNDWATER SAMPLING

To collect a representative sample of the groundwater, stagnant water within the well casing and filter material must be purged and fresh aquifer water allowed to replace it. The water is purged from the well by pumping or bailing at least three well volumes. Well volumes are calculated by measuring depth to groundwater to the nearest 0.01 foot upon arrival at the well before any purging has begun. Groundwater samples are collected only after purging has been of sufficient duration for pH, temperature, and electrical conductivity to stabilize. When purging low-yield wells, the wells are purged to dryness. When the well recovers to 80% of the depth measured upon arrival, samples are collected.

Field sampling logs maintained for each well include:

- Monitoring well identification
- Static water level, before and after pumping
- Well depth
- Condition of water prior to purging (e.g., amount of free product)
- Purge rate and volume
- pH, temperature, and conductivity during purging
- Time purged
- Time of sample collection
- Sampling method
- Name of sampler
- Climatic conditions

Water samples are collected using clean teflon bailers. All equipment that contacts samples is thoroughly cleaned before arrival at the site and between sampling events.

Water is collected in clean laboratory-supplied containers, labeled, placed immediately into an ice chest pre-cooled to 4°C, and transported to Clayton's laboratory for analysis. One trip blank will be furnished in accordance with our quality assurance/quality control (QA/QC) program.

All samples are collected in such a manner so as to minimize the volatilization of a sample due to agitation and/or transfer from bailer to sample container. Samples are collected so that contaminants most sensitive to volatilization are sampled first.

Preservatives are not added to any sample, unless instructed. If requested, they are supplied by Clayton's laboratory.

All sample containers are labeled in the field. Labels contain the following information: project name, sample identification number, project number, date and time of collection, and sampler's initials.

Under no circumstances are sealed sample containers opened by anyone other than the laboratory personnel who perform the requested analyses. If it is necessary for samples or sample chests to leave the immediate control of the sampler prior to delivery to the laboratory, for example during shipment by an overnight shipper, a custody seal is placed on each sample container and/or sample chest to ensure that the samples have not been tampered with during transportation. The custody seal is signed by the sampler, and the date and time that the seal was placed is recorded. The elapsed time between sample collection and delivery to the laboratory never exceeds 48 hours. Water samples are not held for more than 14 days prior to analysis and are kept at 4°C at all times.

To document and trace samples from time of collection, a signed chain-of-custody record is filled out by the sampler and accompanies the samples through the laboratory analyses. The completed chain-of-custody is included with the analytical report from the laboratory.

REFERENCES

Groundwater Monitoring Guidelines, Revised February 1990. Alameda County District Groundwater Protection Program.

Leaking Underground Fuel Tank (LUFT) Field Manual: Guidelines for Site Assessment, Cleanup, and Underground Tank Closure, May 1988. State of California LUFT Task Force.

Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, Revised November 1989. North Coast, San Francisco Bay, and Central Valley regions of the California State Water Quality Control Board.

Standards for the Construction and Destruction of Wells and Other Deep Excavations in Santa Clara County, Revised June 1989. Santa Clara Valley Water District.

CAPSULE
ENVIRONMENTAL ENGINEERING INC.

PROJECT CALCULATION SHEET

Project Name:	San Leandro	By:	JJM
Project Number:	001-317	Date:	9/20/95
Task Number:	420	Page:	1 of 2
Re:	Groundwater Flow Velocity	cc:	

Calculate a groundwater flow velocity for the San Leandro site

Using,

$$V = (K) \times (i) / n$$

where

V = groundwater velocity
K = hydraulic conductivity
i = hydraulic gradient
n = porosity

K (hydraulic conductivity) estimate

- from Ingersoll Rand Corp. Data Summary Report, Dec 1990, Table 3, prepared by IT Corp.
- an estimate of hydraulic conductivity for MW4, from a pump test, is

$K = 48 - 67$ gal/day/ft²

$$\frac{48 \text{ gal}}{\text{day} \cdot \text{ft}^2} \times \frac{1 \text{ ft}^3}{7.48 \text{ gal}} = 6.4 \text{ ft/day}$$

$$\frac{67 \text{ gal}}{\text{day} \cdot \text{ft}^2} \times \frac{1 \text{ ft}^3}{7.48 \text{ gal}} = 9.0 \text{ ft/day}$$

Checked by: LJM
Date: 9/25/95

CAPSULE
ENVIRONMENTAL ENGINEERING INC.

PROJECT CALCULATION SHEET

Project Name: San Leandro
Project Number: 001-767
Task Number: 420
Re: Groundwater velocity

By: LJM
Date: 9/20/95
Page: 2 of 2
cc:

i (hydraulic gradient) estimate

from June 30, 1995 water level contour map

$$i = \frac{(13.03 - 11.39)\,ft}{320\,ft} = \frac{1.64\,ft}{320\,ft} = .005$$

n (porosity) estimate

n = 30% from USGS Water Supply Paper 2220 & Cherry & Freeze, 1979

$$V = \frac{(9.0\,ft/day)(.005)}{.30} = \frac{.045}{.30}\,ft/day$$

$$= .15\,ft/day$$

$$= .15\,ft/day \times \frac{365\,day}{yr} = 54.7\,ft/yr.$$

Estimate of gw flow velocity =

0.15 ft/day or 55 ft/yr

Checked by: LJM
Date: 9/28/95

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-2
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 28, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observer: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
0.0-2.0	fill material; consisting of clay, sand, and gravel	0.4	no odor
2.0-4.0	clay; dark brown, silty sand	2.1	no odor
4.0-6.0	clay; brown ,very sandy; by 5.5 sand; brown to yellow brown, fine to medium grained, silty	0.8	no odor
6.0-8.0	sand; brown to yellowish-brown, very fine to medium grained, silty, some gravel pieces	5.2	no odor
8.0-10.0	sand ? from 8 to 9+, then dark brown clay	2.5	no odor; poor recovery from 8 to 9+
10.0-12.0	sand; yellowish -brown, then dark brown to blackish brown, dense clay	3.5	no odor
12.0-14.0	sand; brown to yellowish-brown, very fine to medium grained, very silty, some gravel pieces	0.8	no odor; poor recovery
14.0-16.0	sand; brown, very fine to medium grained, very silty, "dirty" appearance, gravel pieces, by 15.5 more claylike appearance, clay is yellowish-brown, very sandy	1.2	no odor
16.0-18.0	clay; yellowish-brown 16.0 to 16.5, then sand; from 16.5 to 17.0, dark brown to yellowish-brown, gravely, then sand; very fine to medium grained, silty, cleaner with depth	0.8	no odor
18.0-20.0	sand; yellowish-brown to brown, silty, very fine to medium grained, some gravel near 19.0, by 19.5 more claylike appearance, more greyish color, entire sample is damp	1.3	no odor
20.0-22.0	sand; greyish-brown to brown, very fine to fine grained, very clayey, greyer with depth, some reddish-brown mottling	1.9	no odor

22.0-24.0	sand; greyish-brown to dark brown, more clayey through interval	3.0	no odor; after sampling, the hole was probed with steel tape for depth, gasoline odor on tape
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-5
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 28, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observer: John McDermott. Capsule

Note: GP-5 location is in a concrete driveway in a very active part of the 4M Manufacturing facility. In order to minimize disruption to facility operations, the probe was pushed to 12.0 feet before continuous sampling was started.

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
12.0-14.0	sand; brown to yellowish-brown, very fine to medium grained, very silty, some dark greenish-brown sandy clay		mediocre recovery, approximately 1 foot of sample, Hnu is not responding to felt tip marker, battery okay
14.0-16.0	sand; yellowish-brown, very fine to medium grained, fairly clean near 14.5, clay; brown at 15.0, then small gravel near 15.5, more clay; yellowish-brown, very sandy from 15.5 to 16.0, interval is wet		no odor
16.0-18.0	sand; yellowish-brown, very fine to medium grained, more clayey thru interval		no odor
18.0-20.0	clay; yellowish-brown, sandy to 18.5, below 18.5 the clay is dark greenish-brown, silty		no odor; gasoline odor on water level probe
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-6
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 29, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observor: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
0.0-2.0	fill; sandy gravel (0-1+), then clay; dark grey to black, dense	13.0	no odor
2.0-4.0	clay; black, to 3 (+), then more sandy material	7.0	no odor
4.0-6.0	fill; clayey, wood debris and small pieces of plastic sheeting, by 5.0 (+) clay; yellowish-brown, silty		
6.0-8.0	clay; brown to yellowish-brown, dense, ne slightly silty	6.0	earthy odor
8.0-10.0	clay; dark brown, silty, dense grained, very silty	2.5	no odor; took photo of GP-6 location
10.0-12.0	clay (10.0 to 10.5); yellowish-brown, sandy sand (10.5-12.0); yellow brown, very fine to fine grained, damp		
12.0-14.0	sand; yellowish-brown, very fine to medium grained, slightly less clayey than above, clay from 13.0 to 13.5	4.5	no odor
14.0-16.0	sand; darker greenish to yellowish-brown, fine to very fine grained, very clayey, some interlayered clay	2.8	no odor
16.0-18.0	clay (16.0-16.5); yellowish-brown, sandy sand (16.5-18.0); yellowish to greenish-brown, clayey, cleaner and coarser at 17.5, wet	18.5	no odor
18.0-20.0	sand; yellowish to greenish-brown, fine to greyish-brown, fine to medium grained, very clayey, progressively more clayey from 18.5 to 20.0, more claylike at 19.0 to 19.5, dark grey to black clay, dense	17.0	no odor to 22.0; sand was gravelly, clay was
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-7
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 27, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist/Observer: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
0.0-2.0	sand; brown to blackish brown, very clayey to silty, some rock fragments, dry	1.2	no odor
2.0-4.0	sand; brown to brownish-yellow, silty to clayey, damp	0.8	
4.0-6.0	sand; yellowish-brown to brown, fine grained, very silty	0.2	poor recovery due to loose material
6.0-8.0	sand; yellowish-brown, fine to very fine grained, slight cleaner than above (fewer fines)	0.2	
8.0-10.0	sand; yellowish-brown, fine to very fine grained, very silty	6.3	no odor; took photo of GP-7 location
10.0-12.0	sand; brown to yellowish -brown, very fine to medium grained, cleaner than above interval	0.4	no odor
12.0-14.0	sand; brown to yellowish-brown, very fine to medium grained, dirtier than above interval	4.3	no odor
14.0-16.0	sand; very coarse sand sized pieces	3.3	earthy odor; poor sample recovery as liner wedged inside sampler and had to be hammered out
16.0-18.0	sand; borwn, clayey, darker than above, some rounded pebbles, wet	5.5	no odor
18.0-20.0	sand and gravel; yellowish-brown to greyish-brown, variety of rock types, subangular to subrounded	5.5	no odor
20.0-22.0	sand from 20.0 to 20.5 and clay from 20.5 to 22.0; sand was gravelly, clay was brownish-grey to grey, silty	0.8	no odor
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-8
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 29, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist/Observer: John McDermott. Capsule

Note:

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
8.0-10.0	clay; dark brown, silty	0.0	no odor
10.0-12.0	clay; as above, gets sandier from 11.0 to 12.0, very clayey sand at 11.5(+) sand; yellowish-brown, fine grained		
12.0-14.0	sand; brown to greenish-brown, very clayey	13.0	no odor
14.0-16.0	sand; yellowish to greenish-brown, very fine to medium grained, silty some gravel pieces, pebble sized, subangular to subrounded	17.0	no odor
16.0-18.0	sand; brown, very fine to medium grained, gravel pieces make up 20-30% of sample, angular to subrounded, from 16.0 to 16.5 the sand is yellowish-brown	100.0	no odor
18.0-20.0	sand; brown, fine to coarse grained, 30-40% gravel, small pebble sized, at 19.5 clay; greyish-brown, sandy	50.0	no odor
20.0-22.0	sand; brown, finer grained than above, by 21.0 clay; brown to dark brown, sandy, then dense	10.0	no odor
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-9
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 27, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observor: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
0.0-1.0	asphalt and base gravel		
1.0-3.0	clay; brown to sand; greenish-brown	2.1	no odor
3.0-5.0	clay to sand; brown, sand starts near 4 ft., some gravel pieces	0.8	no odor
5.0-7.0	sand; yellow brown to brown, very fine to medium grained; 30% gravel pieces; wet at 7 ft.	0.4	no odor
7.0-9.0	sand (7-8) and clay (8-9); sand as above, clay is dark greenish-brown and very sandy, silty, clay is tight enough to "perch" water on top of it	0.4	no odor
9.0-11.0	clay; greenish-brown to brown, silty, sandy	0.4	
11.0-13.0	clay; as above, more sandy, some gravel grained, very silty	0.5	no odor; took photo of GP-9 location
13.0-15.0	clay; brown, sandy, also sand; yellowish-brown to brown, fine to medium grained, clayey, some reddish mottling on clay partings	0.6	no odor
15.0-17.0	sand; yellowish-brown to brown, very fine to medium grained, silty, by 16+ very coarse sand; brown, silty	0.4	no odor

Advanced hole to 20.0 feet to get additional saturated thickness for sampling. No soil sample noted.

TD

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-12
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 27, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observer: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes
0.0-0.5	asphalt		
0.5-2.5	soil; black, clayey	0.0	no odor
2.5-4.5	clay; brown to yellow brown, sandy	0.0	no odor
4.5-6.5	clay; brown, very sandy, by 6.5 sand is becoming dominant	0.2	no odor
6.5-8.5	clay; greyish-brown to brown; silty grained, slight cleaner than above (fewer fines)	0.2	poor recovery
8.5-10.5	clay; dark blackish-brown to brown, silty	0.0	no odor
10.5-12.5	clay; brown to yellowish-brown, silty, sandier thru interval	0.0	no odor
12.5-14.5	clay; gravelly near 13.5, then sand; brown, fine to medium grained, silty, some subrounded to rounded gravel pebbles	0.0	no odor
14.5-16.5	sand from 14.5 to 15.5, then dark brown clay	0.0	
16.5-18.5	clay from 16.5 to 17.0, then very clayey sand; brown, mottled with reddish-brown, fine to medium grained, wet, clay at end of interval	0.0	no odor
18.5-19.5	sand; brown to yellowish-brown, very fine to medium grained, silty, wet		poor returns; had pushed sampler to confirm clay seen at 18.5
19.5-21.5	sand; yellowish-brown, very clayey, fine grained at 20.5 clay, blackish-brown, dense	0.0	no odor
TD			

Project: Ingersoll-Rand Equipment Sales (San Leandro)
Boring number: GP-13
Surface elevation: 30 ft (+/- 5 ft.)
Date boring installed: June 28, 1995
Installation method: Geoprobe model GH-40, continuously sampled
Company: Gregg Drilling
Geologist\Observer: John McDermott. Capsule

Depth (feet)	Lithologic Description	OVM Reading (ppm)	Notes	
0.0-2.0	fill material; some sand, gravel, greenish clayey silt	3.3	no odor	
2.0-4.0	fill material? to 3.0 then brown clayey silt to silty clay	0.6	no odor	
4.0-6.0	silt; clayey, dark brown to brown	0.4	no odor	
6.0-8.0	silt to fine grained sand; brown to yellowish-brown, sandier thru interval, still very clayey	1.2	no odor	
8.0-10.0	sand; yellowish brown to brown, fine to medium grained, silty, slightly cleaner with depth	0.2	no odor; poor recovery	
10.0-12.0	clay; from 10.0 to 10.5, blackish-brown sand from 10.5 to 12; "dirty brown to yellowish-brown to brown, fine to medium grained, silty			
12.0-14.0	sand; brown to yellowish-brown, fine to medium grained, silty, clayey by 13.5 then sandy brown clay to 14.0	0.4	no odor	
14.0-16.0	early in interval sand gets much more clayey, by 15.0 clay; dark greenish-brown, silty, some reddish iron staining	0.5	no odor	0.5
TD				

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

July 14, 1995

Mr. Jay Mattsfield
CAPSULE ENVIRONMENTAL ENGINEERING, INC.
1970 Oakcrest Avenue
St. Paul, MN 55113

Client Ref.: NONE
Clayton Project No.: 95064.22

Dear Mr. Mattsfield:

Attached is our analytical laboratory report for the samples received on June 29, 1995. Please note that we were unable to report results for Nitrate as "dissolved" since the samples were not filtered prior to sample preservation. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 13, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Michael Lynch for

Harriotte A. Hurley, CIH
Director, Laboratory Services
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-8	Date Sampled:	06/29/95
Lab Number:	9506422-01A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	14	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-8	Date Sampled:	06/29/95
Lab Number:	9506422-01A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	41	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-8	Date Sampled:	06/29/95
Lab Number:	9506422-01A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	106	86 - 115
Dibromofluoromethane	1868-53-7	112	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	104	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	FIELD BLANK	Date Sampled:	06/29/95
Lab Number:	9506422-02A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	FIELD BLANK	Date Sampled:	06/29/95
Lab Number:	9506422-02A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	FIELD BLANK	Date Sampled:	06/29/95
Lab Number:	9506422-02A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	107	86 - 115
Dibromofluoromethane	1868-53-7	117	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	102	88 - 110

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-6	Date Sampled:	06/29/95
Lab Number:	9506422-03A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-6	Date Sampled:	06/29/95
Lab Number:	9506422-03A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-6	Date Sampled:	06/29/95
Lab Number:	9506422-03A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	108	86 - 118
1,2-Dichloroethane-d4	17060-07-0	113	76 - 114
Toluene-d8	2037-26-5	102	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-11	Date Sampled:	06/29/95
Lab Number:	9506422-04A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	400
Benzene	71-43-2	ND	100
Bromobenzene	108-86-1	ND	100
Bromochloromethane	74-97-5	ND	100
Bromodichloromethane	75-27-4	ND	100
Bromoform	75-25-2	ND	100
Bromomethane	74-83-9	ND	100
2-Butanone	78-93-3	ND	400
n-Butylbenzene	104-51-8	ND	100
Carbon disulfide	75-15-0	ND	100
Carbon tetrachloride	56-23-5	ND	100
Chlorobenzene	108-90-7	ND	100
Chloroethane	75-00-3	ND	100
Chloroform	67-66-3	ND	100
Chloromethane	74-87-3	ND	100
2-Chlorotoluene	95-49-8	ND	100
4-Chlorotoluene	106-43-4	ND	100
Dibromochloromethane	124-48-1	ND	100
1,2-Dibromo-3-chloropropane	96-12-8	ND	100
1,2-Dibromoethane	106-93-4	ND	100
Dibromomethane	74-95-3	ND	100
1,2-Dichlorobenzene	95-50-1	ND	100
1,3-Dichlorobenzene	541-73-1	ND	100
1,4-Dichlorobenzene	106-46-7	ND	100
Dichlorodifluoromethane	75-71-8	ND	100
1,1-Dichloroethane	75-34-3	ND	100
1,2-Dichloroethane	107-06-2	ND	100
1,1-Dichloroethene	75-35-4	ND	100
cis-1,2-Dichloroethene	156-59-2	ND	100
trans-1,2-Dichloroethene	156-60-5	ND	100

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-11	Date Sampled:	06/29/95
Lab Number:	9506422-04A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	100
1,3-Dichloropropane	142-28-9	ND	100
2,2-Dichloropropane	594-20-7	ND	100
1,1-Dichloropropene	563-58-6	ND	100
cis-1,3-dichloropropene	10061-01-5	ND	100
trans-1,3-dichloropropene	10061-02-6	ND	100
Ethylbenzene	100-41-4	900	100
Freon 113	76-13-1	ND	100
Hexachlorobutadiene	87-68-3	ND	100
2-Hexanone	591-78-6	ND	400
Isopropylbenzene	98-82-8	ND	100
p-Isopropyltoluene	99-87-6	ND	100
Methylene chloride	75-09-2	ND	100
4-Methyl-2-pentanone	108-10-1	ND	400
Naphthalene	91-20-3	500	100
n-Propylbenzene	103-65-1	200	100
sec-Butylbenzene	135-98-8	ND	100
Styrene	100-42-5	ND	100
tert-Butylbenzene	98-06-6	ND	100
1,1,1,2-Tetrachloroethane	630-20-6	ND	100
1,1,2,2-Tetrachloroethane	79-34-5	ND	100
Tetrachloroethene	127-18-4	ND	100
Toluene	108-88-3	ND	100
1,2,3-Trichlorobenzene	87-61-6	ND	100
1,2,4-Trichlorobenzene	120-82-1	ND	100
1,1,1-Trichloroethane	71-55-6	ND	100
1,1,2-Trichloroethane	79-00-5	ND	100
Trichloroethene	79-01-6	ND	100
Trichlorofluoromethane	75-69-4	ND	100
1,2,3-Trichloropropane	96-18-4	ND	100

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-11	Date Sampled:	06/29/95
Lab Number:	9506422-04A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	2000	100
1,3,5-Trimethylbenzene	108-67-8	500	100
Vinyl acetate	108-05-4	ND	200
Vinyl chloride	75-01-4	ND	100
o-Xylene	95-47-6	400	100
p,m-Xylenes	--	1800	100
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	112	86 - 115
Dibromofluoromethane	1868-53-7	108	86 - 118
1,2-Dichloroethane-d4	17060-07-0	109	76 - 114
Toluene-d8	2037-26-5	105	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Note: Detection limits increased due to matrix interference.

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

ample Identification:	TRIP BLANK	Date Sampled:	--
Lab Number:	9506422-05A	Date Received:	06/29/95
ample Matrix/Media:	WATER	Date Prepared:	07/11/95
reparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	TRIP BLANK	Date Sampled:	--
Lab Number:	9506422-05A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	TRIP BLANK	Date Sampled:	--
Lab Number:	9506422-05A	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	103	86 - 115
Dibromofluoromethane	1868-53-7	111	86 - 118
1,2-Dichloroethane-d4	17060-07-0	113	76 - 114
Toluene-d8	2037-26-5	102	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506422-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506422-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506422-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	114	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-8	Date Sampled:	06/29/95
Lab Number:	9506422-01C	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	86	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	FIELD BLANK	Date Sampled:	06/29/95
Lab Number:	9506422-02C	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/07/95
Preparation Method:	EPA 5030	Date Analyzed:	07/07/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	94	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

ample Identification:	GP-6	Date Sampled:	06/29/95
Lab Number:	9506422-03C	Date Received:	06/29/95
ample Matrix/Media:	WATER	Date Prepared:	07/06/95
reparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

nalyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
TEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	GP-11	Date Sampled:	06/29/95
Lab Number:	9506422-04C	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/06/95
Preparation Method:	EPA 5030	Date Analyzed:	07/06/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	120	0.4
Ethylbenzene	100-41-4	770	0.3
Toluene	108-88-3	5.7	0.3
o-Xylene	95-47-6	320	0.4
p,m-Xylenes	--	1500	0.4
Gasoline	--	14000	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	124	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification:	TRIP BLANK	Date Sampled:	--
Lab Number:	9506422-05B	Date Received:	06/29/95
Sample Matrix/Media:	WATER	Date Prepared:	07/07/95
Preparation Method:	EPA 5030	Date Analyzed:	07/07/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	92	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

ample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506422-06A	Date Received:	--
ample Matrix/Media:	WATER	Date Prepared:	07/07/95
reparation Method:	EPA 5030	Date Analyzed:	07/07/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

nalyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
TEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	88	50 - 150

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95064.22

Sample Identification: See Below
Lab Number: 9506422
Sample Matrix/Media: WATER
Method Reference: EPA 353.2

Date Received: 06/29/95
Date Analyzed: 07/03/95

Lab Number	Sample Identification	Date Sampled	Nitrate-N (mg/L)	Method Detection Limit (mg/L)
-01	GP-8	06/29/95	12	0.05
-03	GP-6	06/29/95	0.48	0.05
-04	GP-11	06/29/95	<0.05	0.05
-06	METHOD BLANK	--	<0.05	0.05

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page 1 of 2
Project No.	
Batch No.	9506472
Ind. Code	W.P.
Date Logged In 6/30	By

REPORT RESULTS TO

Name: Jay Mattsfield | Title:
Company: Capsule Envir. Engr. | Dept.:
Mailing Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul MN 55113
Telephone No.: 612-638-2644 | Telefax No.:

SEND INVOICE TO

Name: John McDermott
Company: Capsule Envir. Engr. | Dept.:
Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul MN 55113

Purchase Order No.: | Client Job No.:

Date Results Req.: | Rush Charges Authorized? ☐ Yes ☐ No | Phone / Fax Results ☐ ☐

Special Instructions: (method, limit of detection, etc.)

* Explanation of Preservative: S = Sulfuric Acid, P = HCl

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	EPA 8260	GAS/BETX	Methanol (dissolved)							Lab #		FOR LAB USE ONLY
GP-8	6/29/95	H_2O	40ml	2	XP									01	A B	01 A B
GP-8	6/29/95	H_2O	40ml	2		XP									C D	C D
GP-8	6/29/95	H_2O	~~250ml~~ 40ml	1			X5								E	E
Field Blank	6/29/95	H_2O	40ml	1	XP									02 A		F
Field Blank	6/29/95	H_2O	40ml	1		XP									B	G
GP-6	6/29/95	H_2O	40ml	2	XP									03 A	B	02 A B
GP-6	6/29/95	H_2O	40ml	2		XP									C D	C D
GP-6	6/29/95	H_2O	~~250ml~~ 40ml	1			X5								E	E
GP-11	6/29/95	H_2O	40ml	2	XP									04 A	B	03 A B
GP-11	6/29/95	H_2O	40ml	2		XP									C D	C D

CHAIN OF CUSTODY

Collected by: John McDermott (print)
Relinquished by: | Date/Time
Relinquished by: | Date/Time
Method of Shipment:

Collector's Signature: 7/6/95 MB

Received by: | Date/Time
Received at Lab by: Carol Hammerberg | Date/Time 6/30/95 2:30pm

Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Authorized by: _____ Date 6/29/95
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48375, (810) 344-1770
Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (908) 225-6040
400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500
1252 Quarry Lane, Pleasanton, CA 94566, (510) 426-2657

2/92

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

Clayton
ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only — Page 2 of 2
Project No.
Batch No. 9506...
Ind. Code | W.P.
Date Logged In 7/20 | By

REPORT RESULTS TO
Name Jay Mattsfield | Title
Company Capsule Envir. Engr. | Dept.
Mailing Address 1970 Oakcrest Avenue
City, State, Zip St. Paul, MN 55113
Telephone No. 612-636-2644 | Telefax No.

Purchase Order No. | Client Job No.

SEND INVOICE TO
Name John McDermott
Company Capsule Envir. Engr. | Dept.
Address 1970 Oakcrest Avenue
City, State, Zip St. Paul MN 55113

Date Results Req.: | Rush Charges Authorized? ☐ Yes ☐ No | Phone / Fax Results ☐ ☐

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

Special Instructions: (method, limit of detection, etc.)

* Explanation of Preservative:
P= HCl S=Sulfuric Acid

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	EPA 8260	GAS/BETX	Nitrate as N (dissolved)								FOR LAB USE ONLY
GP-11	6/29/95	H_2O	~~250ml~~ 125 ml	1			XS	Could only get approx 50 ml of sample							04 E
~~Trip Blank~~		~~H_2O~~	~~40 ml~~												
Trip Blank		H_2O	40ml	2	XP			HCl seal ripped on this vial							05A F
Trip Blank		H_2O	40ml	1		XP									05B G

CHAIN OF CUSTODY
Collected by: (print) | Collector's Signature:
Relinquished by: | Date/Time | Received by: [signature] | Date/Time
Relinquished by: | Date/Time | Received at Lab by: Carol Hammerberg | Date/Time 6/29/95 2:30pm
Method of Shipment: | Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Authorized by: [signature] Date 6/29/95
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48375, (810) 344-1770
Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (908) 225-6040
400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500
1252 Quarry Lane, Pleasanton, CA 94566, (510) 426-2657

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

2/92

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

July 12, 1995

Mr. Jay Mattsfield
CAPSULE ENVIRONMENTAL ENGINEERING, INC.
1970 Oakcrest Avenue
St. Paul, MN 55113

Client Ref.: NONE
Clayton Project No.: 95063.81

Dear Mr. Mattsfield:

Attached is our analytical laboratory report for the samples received on June 27, 1995. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 11, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Harriotte A. Hurley, CIH
Director, Laboratory Services
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-7	Date Sampled:	06/27/95
Lab Number:	9506381-01A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-7	Date Sampled:	06/27/95
Lab Number:	9506381-01A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	9	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	18	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	19	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-7	Date Sampled:	06/27/95
Lab Number:	9506381-01A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	21	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	6	5
p,m-Xylenes	--	18	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	109	86 - 115
Dibromofluoromethane	1868-53-7	111	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-9	Date Sampled:	06/27/95
Lab Number:	9506381-02A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-9	Date Sampled:	06/27/95
Lab Number:	9506381-02A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-9	Date Sampled:	06/27/95
Lab Number:	9506381-02A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	111	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	97	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	FIELD BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-03A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	FIELD BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-03A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	FIELD BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-03A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	107	86 - 115
Dibromofluoromethane	1868-53-7	111	86 - 118
1,2-Dichloroethane-d4	17060-07-0	112	76 - 114
Toluene-d8	2037-26-5	104	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-12	Date Sampled:	06/27/95
Lab Number:	9506381-04A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-12	Date Sampled:	06/27/95
Lab Number:	9506381-04A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-12	Date Sampled:	06/27/95
Lab Number:	9506381-04A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	100	86 - 115
Dibromofluoromethane	1868-53-7	115	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	TRIP BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-05A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	TRIP BLANK	Date Sampled:	06/27/95
ab Number:	9506381-05A	Date Received:	06/27/95
ample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
olatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	TRIP BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-05A	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	105	86 - 115
Dibromofluoromethane	1868-53-7	99	86 - 118
1,2-Dichloroethane-d4	17060-07-0	97	76 - 114
Toluene-d8	2037-26-5	106	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506381-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	METHOD BLANK	Date Sampled:	--
ab Number:	9506381-06A	Date Received:	--
ample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

nalyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
olatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506381-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	114	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-7	Date Sampled:	06/27/95
Lab Number:	9506381-01C	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	110	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-9	Date Sampled:	06/27/95
Lab Number:	9506381-02C	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	112	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	FIELD BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-03C	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	109	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	GP-12	Date Sampled:	06/27/95
Lab Number:	9506381-04C	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	0.4	0.4
Ethylbenzene	100-41-4	0.4	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.5	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	121	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	TRIP BLANK	Date Sampled:	06/27/95
Lab Number:	9506381-05C	Date Received:	06/27/95
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	110	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506381-06A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	06/27/95
Preparation Method:	EPA 5030	Date Analyzed:	06/28/95
Method Reference:	EPA 8015/8020	Analyst:	NAN

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	100	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.81

Sample Identification: See Below
Lab Number: 9506381
Sample Matrix/Media: WATER
Method Reference: EPA 353.2

Date Received: 06/27/95
Date Analyzed: 07/03/95

Lab Number	Sample Identification	Date Sampled	Nitrate-N (mg/L)	Method Detection Limit (mg/L)
-01	GP-7	06/27/95	1.2	0.05
-02	GP-9	06/27/95	1.5	0.05
-04	GP-12	06/27/95	5.1	0.05
-06	METHOD BLANK	--	<0.05	0.05

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Page 1 of 2

For Clayton Use Only

Project No.

Batch No. 9506381

Ind. Code | W.P.

Date Logged In | By

Fax results of rush analyses to 510-483-7287

REPORT RESULTS TO

Name Jay Mattsfield | Title

Company Capsule Environ. Engr. | Dept.

Mailing Address 1970 Oakcrest Avenue

City, State, Zip St. Paul MN 55113

Telephone No. 612-636-2644 | Telefax No.

SEND INVOICE TO

Purchase Order No. | Client Job No.

Name ~~Capsule~~ John McDermott

Company Capsule Environ. Engr. | Dept.

Address 1970 Oakcrest Avenue

City, State, Zip St. Paul, MN 55113

Date Results Req.: 24 HR/Rush | Rush Charges Authorized? ☐ Yes ☐ No | Phone / Fax Results ☐ ☒

Special Instructions: (method, limit of detection, etc.)

~~Fax results to (510) 357-91~~

* Explanation of Preservative: S = Sulfuric Acid P = HCL ~~N = Nitric Acid~~

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	EPA 8260	Eggs (STEX)	Nitrate as Nitrogen (dissolved)	FOR LAB USE ONLY
GP-7	6-27-95	H_2O	40 ml's	2	XP			-01 A-B
GP-7 (Rush) 24 HR TAT	6-27-95	H_2O	40 ml's	2		XP		-01 C-D
GP-7	6-27-95	H_2O	250 ml's	1			XS	-01 E
GP-9	6-27-95	H_2O	40 ml's	2	XP			-02 A-B
GP-9 (Rush) 24 HR TAT	6-27-95	H_2O	40 ml's	2		XP		-02 C-D
GP-9	6-27-95	H_2O	250 ml	1			XS	-02 E
Field Blank	6-27-95	H_2O	40 ml	2	XP			-03 A-B
Field Blank (Rush) 24 HR TAT	6-27-95	H_2O	40 ml	2		XP		-03 C-D

CHAIN OF CUSTODY

Collected by: John J. McDermott (print) | Collector's Signature:

Relinquished by: | Date/Time 6/27/95 @ 1525 | Received by: | Date/Time 6/27/95 @ 1525

Relinquished by: | Date/Time 6/27/95 @ 1745 | Received at Lab by: Carol Hammesberg | Date/Time 6/27/95 5:45pm

Method of Shipment: CEC Courier | Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Authorized by: _____ Date 6/27/95

(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48375, (810) 344-1770

Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (908) 225-6040

400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500

1252 Quarry Lane, Pleasanton, CA 94566, (510) 426-2657

2/92

DISTRIBUTION:
WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

Clayton ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page 2 of 2
Project No.	
Batch No. 9506381	
Ind. Code	W.P.
Date Logged In	By

REPORT RESULTS TO
Name: Jay Mattsfield — Title:
Company: Capsule Envir. Engr. — Dept.:
Mailing Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul, MN 55113
Telephone No. 612-636-2644 — Telefax No.

Purchase Order No. — Client Job No.

SEND INVOICE TO
Name: John McDermott
Company: Capsule Envir. Engineering — Dept.:
Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul, MN 55113

Date Results Req.: — Rush Charges Authorized? ☒ Yes ☐ No — Phone / Fax Results ☐ ☒

Samples are: (check if applicable) ☐ Drinking Water ☐ Collected in the State of New York

Special Instructions: (method, limit of detection, etc.)
24 hr TAT for BETX

* Explanation of Preservative:
P=HCL S=Sulfuric Acid

ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	EPA-8260	GW/BETX	Nitrate-Nitrite (dissolved)								FOR LAB USE ONLY
GP-12	6-27-95	H_2O	40ml	2	XP										-04 A-B
GP-12 (Rush) 24 hr TAT	6-27-95	H_2O	40ml	2	[illegible]	XP									-04 C-D
GP-12	6-27-95	H_2O	250ml	1			XS								-04 E
Trip blanks	6-27-95	H_2O	40ml	4	XP	XP									-05 A-D

CHAIN OF CUSTODY
Collected by: John J. McDermott (print) — Collector's Signature:
Relinquished by: [signature] — Date/Time 6/27/95 6:45 pm — Received by: — Date/Time
Relinquished by: — Date/Time — Received at Lab by: Carol Hammelberg — Date/Time 6/27/95 6:45 pm
Method of Shipment: — Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Authorized by: [signature] Date ______
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48375, (810) 344-1770
Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (908) 225-6040
400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500
1252 Quarry Lane, Pleasanton, CA 94566, (510) 426-2657

2/92

DISTRIBUTION:
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YELLOW - Clayton Accounting
PINK - Client Retains

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

July 13, 1995

Mr. Jay Mattsfield
CAPSULE ENVIRONMENTAL ENGINEERING, INC.
1970 Oakcrest Avenue
St. Paul, MN 55113

Client Ref.: NONE
Clayton Project No.: 95063.95

Dear Mr. Mattsfield:

Attached is our analytical laboratory report for the samples received on June 28, 1995. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 12, 1995, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Suzanne Haus, Client Services Supervisor, at (510) 426-2657.

Sincerely,

Harriotte A. Hurley, CIH
Director, Laboratory Services
San Francisco Regional Office

HAH/tjb

Attachments

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-2	Date Sampled:	06/28/95
Lab Number:	9506395-01A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	1000
Benzene	71-43-2	ND	300
Bromobenzene	108-86-1	ND	300
Bromochloromethane	74-97-5	ND	300
Bromodichloromethane	75-27-4	ND	300
Bromoform	75-25-2	ND	300
Bromomethane	74-83-9	ND	300
2-Butanone	78-93-3	ND	1000
n-Butylbenzene	104-51-8	ND	300
Carbon disulfide	75-15-0	ND	300
Carbon tetrachloride	56-23-5	ND	300
Chlorobenzene	108-90-7	ND	300
Chloroethane	75-00-3	ND	300
Chloroform	67-66-3	ND	300
Chloromethane	74-87-3	ND	300
2-Chlorotoluene	95-49-8	ND	300
4-Chlorotoluene	106-43-4	ND	300
Dibromochloromethane	124-48-1	ND	300
1,2-Dibromo-3-chloropropane	96-12-8	ND	300
1,2-Dibromoethane	106-93-4	ND	300
Dibromomethane	74-95-3	ND	300
1,2-Dichlorobenzene	95-50-1	ND	300
1,3-Dichlorobenzene	541-73-1	ND	300
1,4-Dichlorobenzene	106-46-7	ND	300
Dichlorodifluoromethane	75-71-8	ND	300
1,1-Dichloroethane	75-34-3	ND	300
1,2-Dichloroethane	107-06-2	ND	300
1,1-Dichloroethene	75-35-4	ND	300
cis-1,2-Dichloroethene	156-59-2	ND	300
trans-1,2-Dichloroethene	156-60-5	ND	300

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-2	Date Sampled:	06/28/95
Lab Number:	9506395-01A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	300
1,3-Dichloropropane	142-28-9	ND	300
2,2-Dichloropropane	594-20-7	ND	300
1,1-Dichloropropene	563-58-6	ND	300
cis-1,3-dichloropropene	10061-01-5	ND	300
trans-1,3-dichloropropene	10061-02-6	ND	300
Ethylbenzene	100-41-4	3600	300
Freon 113	76-13-1	ND	300
Hexachlorobutadiene	87-68-3	ND	300
2-Hexanone	591-78-6	ND	1000
Isopropylbenzene	98-82-8	ND	300
p-Isopropyltoluene	99-87-6	ND	300
Methylene chloride	75-09-2	ND	300
4-Methyl-2-pentanone	108-10-1	ND	1000
Naphthalene	91-20-3	600	300
n-Propylbenzene	103-65-1	600	300
sec-Butylbenzene	135-98-8	ND	300
Styrene	100-42-5	ND	300
tert-Butylbenzene	98-06-6	ND	300
1,1,1,2-Tetrachloroethane	630-20-6	ND	300
1,1,2,2-Tetrachloroethane	79-34-5	ND	300
Tetrachloroethene	127-18-4	ND	300
Toluene	108-88-3	1400	300
1,2,3-Trichlorobenzene	87-61-6	ND	300
1,2,4-Trichlorobenzene	120-82-1	ND	300
1,1,1-Trichloroethane	71-55-6	ND	300
1,1,2-Trichloroethane	79-00-5	ND	300
Trichloroethene	79-01-6	ND	300
Trichlorofluoromethane	75-69-4	ND	300
1,2,3-Trichloropropane	96-18-4	ND	300

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-2	Date Sampled:	06/28/95
Lab Number:	9506395-01A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	3800	300
1,3,5-Trimethylbenzene	108-67-8	1100	300
Vinyl acetate	108-05-4	ND	600
Vinyl chloride	75-01-4	ND	300
o-Xylene	95-47-6	4200	300
p,m-Xylenes	--	9400	300
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	102	86 - 115
Dibromofluoromethane	1868-53-7	101	86 - 118
1,2-Dichloroethane-d4	17060-07-0	110	76 - 114
Toluene-d8	2037-26-5	105	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Note: Detection limits increased due to matrix interference.

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-13	Date Sampled:	06/28/95
Lab Number:	9506395-03A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-13	Date Sampled:	06/28/95
Lab Number:	9506395-03A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	18	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-13	Date Sampled:	06/28/95
Lab Number:	9506395-03A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	07/10/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/10/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		Recovery (%)	QC Limits (%)
4-Bromofluorobenzene	460-00-4	104	86 - 115
Dibromofluoromethane	1868-53-7	112	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	103	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506395-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds			
Acetone	67-64-1	ND	20
Benzene	71-43-2	ND	5
Bromobenzene	108-86-1	ND	5
Bromochloromethane	74-97-5	ND	5
Bromodichloromethane	75-27-4	ND	5
Bromoform	75-25-2	ND	5
Bromomethane	74-83-9	ND	5
2-Butanone	78-93-3	ND	20
n-Butylbenzene	104-51-8	ND	5
Carbon disulfide	75-15-0	ND	5
Carbon tetrachloride	56-23-5	ND	5
Chlorobenzene	108-90-7	ND	5
Chloroethane	75-00-3	ND	5
Chloroform	67-66-3	ND	5
Chloromethane	74-87-3	ND	5
2-Chlorotoluene	95-49-8	ND	5
4-Chlorotoluene	106-43-4	ND	5
Dibromochloromethane	124-48-1	ND	5
1,2-Dibromo-3-chloropropane	96-12-8	ND	5
1,2-Dibromoethane	106-93-4	ND	5
Dibromomethane	74-95-3	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Dichlorodifluoromethane	75-71-8	ND	5
1,1-Dichloroethane	75-34-3	ND	5
1,2-Dichloroethane	107-06-2	ND	5
1,1-Dichloroethene	75-35-4	ND	5
cis-1,2-Dichloroethene	156-59-2	ND	5
trans-1,2-Dichloroethene	156-60-5	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	METHOD BLANK	Date Sampled:	--
ab Number:	9506395-05A	Date Received:	--
ample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
ethod Reference:	EPA 8260A	Analyst:	JP

nalyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
olatile Organic Compounds (Continued)			
1,2-Dichloropropane	78-87-5	ND	5
1,3-Dichloropropane	142-28-9	ND	5
2,2-Dichloropropane	594-20-7	ND	5
1,1-Dichloropropene	563-58-6	ND	5
cis-1,3-dichloropropene	10061-01-5	ND	5
trans-1,3-dichloropropene	10061-02-6	ND	5
Ethylbenzene	100-41-4	ND	5
Freon 113	76-13-1	ND	5
Hexachlorobutadiene	87-68-3	ND	5
2-Hexanone	591-78-6	ND	20
Isopropylbenzene	98-82-8	ND	5
p-Isopropyltoluene	99-87-6	ND	5
Methylene chloride	75-09-2	ND	5
4-Methyl-2-pentanone	108-10-1	ND	20
Naphthalene	91-20-3	ND	5
n-Propylbenzene	103-65-1	ND	5
sec-Butylbenzene	135-98-8	ND	5
Styrene	100-42-5	ND	5
tert-Butylbenzene	98-06-6	ND	5
1,1,1,2-Tetrachloroethane	630-20-6	ND	5
1,1,2,2-Tetrachloroethane	79-34-5	ND	5
Tetrachloroethene	127-18-4	ND	5
Toluene	108-88-3	ND	5
1,2,3-Trichlorobenzene	87-61-6	ND	5
1,2,4-Trichlorobenzene	120-82-1	ND	5
1,1,1-Trichloroethane	71-55-6	ND	5
1,1,2-Trichloroethane	79-00-5	ND	5
Trichloroethene	79-01-6	ND	5
Trichlorofluoromethane	75-69-4	ND	5
1,2,3-Trichloropropane	96-18-4	ND	5

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506395-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/11/95
Preparation Method:	EPA 5030A	Date Analyzed:	07/11/95
Method Reference:	EPA 8260A	Analyst:	JP

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
Volatile Organic Compounds (Continued)			
1,2,4-Trimethylbenzene	95-63-6	ND	5
1,3,5-Trimethylbenzene	108-67-8	ND	5
Vinyl acetate	108-05-4	ND	10
Vinyl chloride	75-01-4	ND	5
o-Xylene	95-47-6	ND	5
p,m-Xylenes	--	ND	5
Surrogates		**Recovery (%)**	**QC Limits (%)**
4-Bromofluorobenzene	460-00-4	108	86 - 115
Dibromofluoromethane	1868-53-7	114	86 - 118
1,2-Dichloroethane-d4	17060-07-0	114	76 - 114
Toluene-d8	2037-26-5	101	88 - 110

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-2	Date Sampled:	06/28/95
Lab Number:	9506395-01C	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	06/29/95
Preparation Method:	EPA 5030	Date Analyzed:	06/29/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	74	0.4
Ethylbenzene	100-41-4	2800	0.3
Toluene	108-88-3	900	0.3
o-Xylene	95-47-6	3500	0.4
p,m-Xylenes	--	8200	0.4
Gasoline	--	56000	50
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	99	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton
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Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-1	Date Sampled:	06/28/95
Lab Number:	9506395-02A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	06/28/95
Preparation Method:	EPA 5030	Date Analyzed:	06/29/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	20
Ethylbenzene	100-41-4	810	20
Toluene	108-88-3	ND	20
o-Xylene	95-47-6	ND	20
p,m-Xylenes	--	820	20
Gasoline	--	22000 [a]	3000
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	92	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Note: Detection limits increased due to dilution necessary for quantitation.
a Sample appears to be weathered gasoline.

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-13	Date Sampled:	06/28/95
Lab Number:	9506395-03C	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	06/28/95
Preparation Method:	EPA 5030	Date Analyzed:	06/29/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	106	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	GP-4	Date Sampled:	06/28/95
Lab Number:	9506395-04A	Date Received:	06/28/95
Sample Matrix/Media:	WATER	Date Prepared:	06/28/95
Preparation Method:	EPA 5030	Date Analyzed:	06/29/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	44	0.4
Ethylbenzene	100-41-4	21	0.3
Toluene	108-88-3	38	0.3
o-Xylene	95-47-6	19	0.4
p,m-Xylenes	--	46	0.4
Gasoline	--	380	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	111	50 - 150

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9506395-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	06/28/95
Preparation Method:	EPA 5030	Date Analyzed:	06/29/95
Method Reference:	EPA 8015/8020	Analyst:	WAS

Analyte	CAS #	Concentration (ug/L)	Method Detection Limit (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	98	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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Analytical Results
for
Capsule Environmental Engineering, Inc.

Clayton Project No. 95063.95

Sample Identification: See Below
Lab Number: 9506395
Sample Matrix/Media: WATER
Method Reference: EPA 353.2

Date Received: 06/28/95
Date Analyzed: 07/03/95

Lab Number	Sample Identification	Date Sampled	Nitrate-N (mg/L)	Method Detection Limit (mg/L)
-03	GP-13	06/28/95	5.0	0.05
05	METHOD BLANK	--	<0.05	0.05

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Clayton
ENVIRONMENTAL CONSULTANTS

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page 1 of 1
Project No.	
Batch No.	9506395
Ind. Code	W.P.
Date Logged In 6/28/95	By CA

Fax results to John McDermott at 510-483-7287

REPORT RESULTS TO
Name: Jay Mattsfield
Title: ENGINEERING, Inc.
Company: Capsule Environmental Engr.
Dept.:
Mailing Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul, MN 55113
Telephone No. 612-636-2644
Telefax No.

Purchase Order No.
Client Job No.

SEND INVOICE TO
Name: John McDermott
Company: Capsule Envir. Engr.
Dept.:
Address: 1970 Oakcrest Avenue
City, State, Zip: St. Paul, MN 55113

Date Results Req.: 6/29/95
Rush Charges Authorized? ☒ Yes ☐ No
Phone / Fax Results ☐ ☐

Samples are: (check if applicable)
☐ Drinking Water
☐ Collected in the State of New York

Special Instructions: (method, limit of detection, etc.)
24 TAT for GP-13 BETX/gas
GP-4 BETX/gas

* Explanation of Preservative:
P = HCL S = Sulfuric Acid

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added *)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	EPA 8260	GAS/BETX	nitrate/nitrite		FOR LAB USE ONLY
GP-2	6/28/95	H_2O	40ml	2	XP			gasoline odor to sample	-01A B
GP-2	6/28/95	H_2O	40ml	2		XP		gasoline odor to sample	-01C D
GP-1	6/28/95	H_2O	40ml	2		XP			-02A-B
GP-13	6/28/95	H_2O	40ml	2	XP				-03A-B
GP-13 Rush 24 hr TAT	6/28/95	H_2O	40ml	2		XP			-03C-D
GP-13	6/28/95	H_2O	250ml	1			XS		-03E
GP-4 Rush 24 hr TAT	6/28/95	H_2O	40ml	1		XP			-04A

CHAIN OF CUSTODY
Collected by: John McDermott (print)
Collector's Signature: [signature]
Relinquished by: Date/Time 6/28/95 @ 1350
Received by: Jim Mitchell Date/Time 6/28/95 @ 1350
Relinquished by: Jim Mitchell Date/Time 6/28/95 @ 1445
Received at Lab by: Carol Hammarberg Date/Time 6/28/95 2:45
Method of Shipment: CBC Courier
Sample Condition Upon Receipt: ☒ Acceptable ☐ Other (explain)

Authorized by: [signature] Date 6/28/95
(Client Signature Must Accompany Request)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive, Novi, MI 48375, (810) 344-1770
Raritan Center, 160 Fieldcrest Ave., Edison, NJ 08837, (908) 225-6040
400 Chastain Center Blvd., N.W., Suite 490, Kennesaw, GA 30144, (404) 499-7500
1252 Quarry Lane, Pleasanton, CA 94566, (510) 426-2657

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