

July 13, 2000

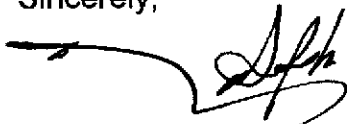
Ms. Susan Hugo
Senior Hazardous Waste Specialist
Alameda County
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: SOMA Environmental Report Entitled "Implementation of Site-Specific Risk Management Plan During the Pile Cap Excavation at Emery Station II"

Dear Susan:

On behalf of Wareham Development Group, SOMA Environmental Engineering, Inc. is pleased to submit the subject report. Please do not hesitate to call me at (925) 244-6600, if you have any questions or comments.

Sincerely,



Mansour Sepehr, Ph.D., P.E.
Principal

cc: Mr. Gordon Taylor, CBS Corporation
Mr. Rich Robins, Wareham Development Group
Dr. Ravi Arulanantham, RWQCB
Mr. Lee Sehon, WEBCOR Builders

Enclosures



ENVIRONMENTAL ENGINEERING, INC

2680 Bishop Drive, Suite 203, San Ramon, CA 94583

TEL (925) 244-6600 • FAX (925) 244-6601

**IMPLEMENTATION OF SITE-SPECIFIC RISK
MANAGEMENT PLAN DURING THE PILE CAP
EXCAVATION AT EMERYSTATION II**

Former Westinghouse Electric Facility

5815 Peladeau Street

Emeryville, California

July 13, 2000

Prepared for

Wareham Development Group

1120 Nye Street, Suite 400

San Rafael, CA

Prepared by

SOMA Environmental Engineering, Inc.

2680 Bishop Drive, Suite 203

San Ramon, California

Table of Contents

TABLE OF CONTENTS	I
LIST OF FIGURES.....	II
LIST OF TABLES.....	II
LIST OF APPENDICES	III
1.0 INTRODUCTION.....	1
1.1 DESCRIPTION OF EMERY STATION II.....	2
1.2 SITE HISTORY.....	2
1.3 ENVIRONMENTAL CONDITION OF THE SITE.....	3
2.0 IMPLEMENTATION OF MITIGATION MEASURES.....	4
2.1 DUST CONTROL	5
2.2 AIR MONITORING.....	5
2.3 STORM WATER POLLUTION CONTROLS	6
2.4 DEWATERING.....	7
2.5 PROTECTION OF GROUNDWATER MONITORING WELLS	7
2.6 DECONTAMINATION	8
3.0 FIELD ACTIVITIES.....	8
3.1 SEGREGATION OF PCB IMPACTED SOILS USING PCB KITS	9
3.2 DRILLING EXPLORATORY SOIL BORINGS	10
3.3 FURTHER SITE CHARACTERIZATION ACTIVITIES	11
3.4 GRADING THE SITE PRIOR TO THE EXCAVATION OF THE PILE CAPS	12
3.5 EXCAVATION OF THE PILE CAPS	12
3.6 ON-SITE HEALTH AND SAFETY MEETING	16
3.7 RESUMPTION OF EXCAVATION OF THE PILE CAPS.....	19
3.8 INDEPENDENT REVIEW OF SITE HEALTH AND SAFETY OPERATION.....	19
3.9 MANAGEMENT OF THE GROUNDWATER AND PROTECTION OF STORM DRAINS	20
4.0 REFERENCES.....	22

List of Figures

- Figure-1 Site Vicinity Map
Figure-2 EmeryStation II Building
Figure-3 Location of Cistern Discovered in January 2000
Figure-4 Location of Excavated Pile Caps
Figure-5 Location of Monitoring Wells in the EmeryStation II Area
Figure-6 Location of Concrete Slab and Additional Soil Sampling Points
Figure-7 Distribution of PCB-Impacted Soils (Greater than 50 ppm) at EmeryStation II

List of Tables

- Table-1 Summary of Air Quality Analysis EPA Method TO-10/8082
Table-2 Air Quality Analysis Using Summa Canisters
EPA Method TO-14
Table-3 Air Quality Analysis Using Summa Canisters
EPA Method ASTM D-1945
Table-4 Analytical Results of Composite Soil Samples Collected From
Stockpiled Soils on March 15, 2000
Table-5 Results of PCBs Analysis on Soil Samples Collected on March 17,
2000
Table-6 Total Metals and PCBs Concentration Reported by Sequoia Analytical
On Soil Samples Collected Beneath the Concrete Slab on March 29,
2000
Table-7 Analytical Results on Composite Soil Samples Collected from the
Stockpiled Soils of A-4 on April 12, 2000
Table-8 Total Purgeable Hydrocarbons, BTEX , Metals and PCBs
Concentration Reported by Sequoia Analytical On Soil Samples

Collected from G-10 and J-10 Stockpiles and Excavation Pits on May 4, 2000

Table-9 Total Metals, STLC and TCLP Values Along with PCB Concentrations Reported by Sequoia Analytical and Delta Environmental On Soil Samples Collected from Three Stockpile Soils, on May 8 and May 10, 2000

Table-10 Analytical Results on Storm Water and Groundwater Samples Collected in April and May 2000

List of Appendices

Appendix A: Photographs Taken During Field Operations

Appendix B: Laboratory Analysis Reports On Soil, Air and Water Samples During Field Operation

Appendix C: Addendum C for Site-Specific Health and Safety Plan

Appendix D: Manifests of Soils Disposed at Class I Landfill

Appendix E Manifests of Disposed Storm Water and Purged Groundwater

Appendix F: Independent Industrial Hygienist Report On Implementation of Risk Management Activities at Emery Station II.



ENVIRONMENTAL ENGINEERING, INC
 2680 Bishop Drive, Suite 203, San Ramon, CA 94583
 TEL (925) 244-6600 • FAX (925) 244-6601

CERTIFICATION AND LIMITATIONS

This document has been prepared by SOMA Environmental Engineering, Inc. (SOMA) for the exclusive use of WEBCOR Builders, Wareham Development Group and CBS Corporation for their construction and excavation activities at the former Westinghouse Electric Corporation facility located in Emeryville, California.

SOMA has provided his professional services using the degree of care and skill ordinarily exercised by the other scientists and engineers practicing in this field. No other warranty express or implied is made as to the conclusions and professional opinions and recommendations obtained in this document.

Philip A. Bumala, CIH
 Principal Industrial Hygienist

7/5/02
 Date

Mansour Sepehr, Ph.D., P.E.
 President



1.0 INTRODUCTION

The Risk Management Report for the former Westinghouse Electric Corporation Facility dated March 17, 2000, was prepared by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Wareham Development Group. This report was prepared to ensure the health and safety of all construction workers during the development of Emery Station II, located at the northeast corner of the former Westinghouse Electric Corporation property. The former Westinghouse Electric Corporation facility is located at 5815 Peladeau Street, Emeryville, California (the "Site"). Figure-1 shows the Site vicinity map. Precautions to be taken during the pile cap excavation activities were included the following:

- Protection of construction workers who may directly contact residual contaminants in soil or groundwater (e.g., during Site preparation, excavation, grading, foundation construction);
- Implementation of construction impact mitigation measures, including control of dust generation at the Site, decontamination of equipment, prevention of sediment from leaving the Site in storm water runoff, and management of groundwater extracted from excavation pits;
- Implementation of procedures to protect monitoring wells remaining on the Site, if any;
- Establish procedures to characterize and manage the excavated soils due to pile cap excavation activities;
- Establish procedures to follow, if unusual site conditions should be encountered.

The current report describes the implementation of the Risk Management Plan and additional pre-cautionary measures performed during the pile cap excavation activities at the Site.

1.1 Description of EmeryStation II

EmeryStation II occupies the northeast portion of the former Westinghouse Electric facility. EmeryStation II will provide 170,000 square feet of office space in a five-story, Class-A office building setting with associated above ground parking, as depicted in Figure-2. The building foundation will be constructed on production piles capped with steel reinforced concrete blocks. The pile caps were to depths between 8 and 15-feet below the ground surface (bgs). Excavated soils were managed according to the procedures, which will be discussed later in this report. In January 2000 over 240 piles were driven to an approximate depth of 80 feet bgs. Each pile was about 14 inches in diameter and made of pre-stressed concrete. The piles were designed as "friction piles" that generate their strength through the friction of surrounding soil against the surface of the pile. The pile driving activities were completed at the end of the first week of January 2000. The excavation of the pile caps ended on May 27, 2000.

1.2 Site History

During the early stage of the site development, SOMA was retained by WEBCOR Builders to develop and implement the Health and Safety Plan (H&SP) for the Former Westinghouse Electric Corporation Facility, Emeryville, California. The H&SP developed by SOMA (April 1998) addressed all aspects of construction-related activities associated with the development of the former Westinghouse Electric Corporation Facility. Development and associated construction activities at the Site occurred in a phased approach. Phase-specific health and safety issues and procedures were incorporated into the site-wide health and safety plan through an addendum for each particular phase of construction. For example, during the development of EmeryStation I, two 18,000-gallon and one 10,000-gallon underground storage tanks (USTs) along with an oil sump were discovered during construction activities and Addendum A (Health and Safety Plan for Underground

Storage Tank Activities) was prepared to protect workers during the UST removal activities.

Addendum B, Excavation and Construction Activities at 5815 Peladeau Street, was prepared on February 25, 2000 to address all construction-related activities associated with PCB-contaminated soil in the area of EmeryStation II. The Site-wide Health and Safety Plan, Addendum A and Addendum B are included in the report entitled "Site-Specific Risk Management Plan for EmeryStation II, dated March 17, 2000. This report summarizes relevant worker health and safety issues and describes the implementation of the recommended precautionary measures contained in the March 17, Site Specific Risk Management Plan, for construction activities at EmeryStation II.

1.3 Environmental Condition of the Site

The northern portion of EmeryStation II, which contained elevated levels of PCBs, was remediated by CBS in 1996 (ALTA Geosciences, 1997). The remediation included excavation and removal of PCB-impacted soils up to 6 feet below the ground surface. However, in certain areas at deeper depths elevated levels of PCBs, up to 361 parts per million (ppm), was left behind due to the lack of exposure pathways and recommendations of the human health risk assessment conducted by SOMA (1996). During the pile driving activities in early January 2000, the WEBCOR construction crew discovered an abandoned cistern in the north central portion of the Site. Further soil investigation by SOMA, where the cistern was discovered, showed PCB levels ranging from 0.1 mg/kg to 71.5 mg/kg between the surface and 7-feet bgs. On March 1, 2000 DJK Construction, a subcontractor of SOMA, removed PCB-impacted soils along with the cistern. The PCB impacted soils and cistern were disposed of at the Class I landfill in Kettleman Hills, California. Figure 3 shows the location of the cistern. SOMA's March 10, 2000 report includes excavation and removal of PCB-impacted soils at the cistern area.

Prior to construction activities, the existing available information indicated that in the area from column lines 1 through 11 (Figure 4), residual PCBs in the soil might still be present at depths below 3-feet bgs. Most likely in one specific location (column line 1-J), residual PCBs in excess of 50 mg/kg may be encountered. Consequently, SOMA in the Site-Specific Risk Management Plan dated March 17, 2000 had required installation of air monitoring stations in order to detect the possible presence of suspended soil particulates containing PCBs in the air during construction activities. Therefore, during excavation activity continuous air monitoring for total suspended particulate and PCBs was conducted to establish the level of actual worker exposure to these compounds during construction and excavation operations.

2.0 IMPLEMENTATION OF MITIGATION MEASURES

This section presents the general measures that were implemented to mitigate potential impacts to human health and the environment during the pile caps excavation activities. Specifically, mitigation of the following potential impacts will be discussed:

- Dust control during the excavation and loading activities;
- Air quality monitoring for tracking soil particulate containing PCBs;
- Protection of manholes of storm drains in order to prevent transport of chemically-impacted Site-sediments in surface water runoff;
- Protection of groundwater monitoring wells;
- Management of groundwater extracted during construction activities (dewatering activities);
- Using protective clothing;
- Ventilation of pile caps excavation pits during excavation and construction periods and;

- Health and safety meetings, tailgate sessions conducted by SOMA's Certified Industrial Hygienist (CIH) and Toxicologist.

2.1 Dust Control

As discussed in detail in the Site Health and Safety Plan, the generation of dust was controlled in order to minimize:

- 1) potential exposures of on-site construction workers; and
- 2) the migration of airborne particulate off-site.

Dust control measures included the following:

- use of water spray or mist during excavation and vehicle loading;
- limit the maximum vehicle speed on-site to 5 miles per hour;
- minimize the drop heights during transportation vehicle loading; and
- cover the stockpiled soil with plastic sheeting or tarps to prevent wind erosion.

Appendix A shows the dust control activities conducted by WEBCOR Builders under the supervision of SOMA's senior field staff.

2.2 Air Monitoring

Worker exposures to PCBs adsorbed to particulates was monitored using a workspace air sampling program. The potential off-site exposures to PCBs/particulates were monitored using upwind and downwind fenceline sampling. Two stationary air monitoring stations were set up along the eastern and western fencelines to represent upwind and downwind air quality conditions, respectively. In addition a mobile air monitoring station was installed inside the

backhoe/excavator cabin during excavation, stockpiling or loading the excavated soils to the dump trucks.

Air samples collected periodically and sent to Quantera Incorporated Laboratories in Sacramento for analysis using EPA Method "TO-10/8082" for PCBs. The first round of air sampling activity was conducted on March 31, 2000 and continued until May 22, 2000 on a weekly basis. Appendix B includes laboratory reports and chain of custody forms. A total of eight monitoring events were conducted during the pile caps excavation or soil loading operations. As the results of laboratory analysis indicated, no PCBs were detected in the air samples collected during eight monitoring events. In addition Summa Canisters were used periodically to monitor air quality inside excavation pits of pile caps. Table-1, Table-2 and Table-3 summarize the results of the air monitoring events.

Appendix A shows the air monitoring activities devices used for air sampling purposes during different field operations.

2.3 Storm Water Pollution Controls

There are six manholes for the storm drain system at the Site. During a long single rainfall event, which started on April 12, 2000 and continued until April 17, storm water pollution controls were implemented in order to minimize storm water runoff and its discharge into a storm water drainage system. Even though most of the construction activities took place below grade, thereby eliminating the potential for runoff, on-site sediment and erosion protection controls were implemented, including:

- Closing the gates to trucks and heavy machinery in order to prevent off-site migration of soil containing chemicals;
- placing straw bale barriers/sand bags around storm drains manholes; and
- Covering the stockpiled soil with plastic sheeting or tarps.

Appendix A shows pictures of precautionary measures for protection of the storm drainage system during the rainfall event.

2.4 Dewatering

As discussed previously, much of the construction activities took place below watertable necessitating the removal of purged groundwater for dewatering of the pile caps excavation pits. All groundwater encountered during the pile caps excavation period were pumped and stored on-site in a number of Baker tanks for appropriate disposal at an off-site facility. During a rather long rainfall event, some of the run-off water entered into the excavation pits then were pumped and transferred into the Baker tanks. Prior to disposal of the purged groundwater and storm water, a representative water sample from each Baker tank was collected and delivered to Curtis & Tompkins Laboratory for analysis. Appendix B shows the laboratory reports and chain of custody forms.

As the results of laboratory analysis shows, low levels of PCBs and petroleum hydrocarbons were detected in the purged groundwater and surface runoff collected from the Baker tanks.

Appendix A shows dewatering activities and Baker tanks used to store the purged groundwater and storm water runoff at the Site. After characterization of the contents of the Baker tanks, Clearwater Environmental Management, a subcontractor of SOMA, disposed the contents of the Baker tanks in a permitted off-site location. Appendix E shows the wastewater manifests. Based on the waste manifests, a total of 90,500 gallons of purged groundwater and storm water runoff was disposed of at an off-site location.

2.5 Protection of Groundwater Monitoring Wells

There are six shallow and six deep groundwater monitoring wells in the former service yard of the Westinghouse facility, as shown in Figure 5. In the northeast corner of the property, monitoring wells S-6 and D-6 no longer exist. Apparently, these two wells were destroyed during previous construction activities. The

exact location of these destroyed wells are unknown. Monitoring wells S-5 and D-5 are located in the northwestern portion of the property. Monitoring wells S-4 and D-4 are located southeast of the slurry wall. During the construction of EmeryStation II all of the monitoring wells (S-4, S-5, D4, and D-5) were protected. Monitoring wells S-5 and D-5 are located just outside the slurry wall at the northeast corner of the slurry wall, while S-4 and D-4 are located southeast of the slurry wall, see Figure 5. These wells will remain as a part of the long-term groundwater monitoring program overseen by EPA Region IX to evaluate the effectiveness of the slurry wall.

2.6 Decontamination

Construction equipment and transportation vehicles that contact Site soils containing residual contamination were decontaminated prior to leaving the Site in order to minimize the potential for off-site migration. Prior to loading the stockpiled soil for off-site disposal, the tractor-trailers were driven onto a large sheet of plastic. Following loading, dirt was removed from the vehicle exterior and wheels and captured by the plastic sheeting. Appendix A shows the precautionary measures conducted during the truck loading of the contaminated soils at the Site.

3.0 FIELD ACTIVITIES

During the pile driving activities in January 2000, approximately 400 cubic yards of soil had been generated, which had been stockpiled at the Site. Before the pile cap excavation activities commenced, SOMA characterized the stockpiled soils for disposal purposes. In order to characterize the stockpiled soils, on March 15, 2000 the stockpiled soil was divided into approximately four equal portions using wooden stakes and rope. Each portion was randomly sampled at four different depths of 0.5, 1.5, 2.5 and 3.5 feet and labeled A, B, C and D, respectively. The samples were properly labeled and sealed with end caps and insulation tape and stored in an ice

chest and sent to Curtis & Tompkins, Ltd (CT) for chemical analysis. CT, per SOMA's instructions, prepared a composite sample from each portion (a total of four composite samples were prepared). The composite samples were analyzed for PCBs using EPA Method 8082.

Meanwhile, a composite soil sample was collected from the entire stockpile soils for conducting a screening level testing using a PCB kit. The results of the laboratory analysis on the composite samples made by CT are presented in Table-4. The results of the field screening test using a PCB kit showed that the concentration of PCBs in the stockpiled soils is less than 50 ppm, which was confirmed with the laboratory analytical results. As Table-4 shows, PCB concentrations in the stockpiled soils were less than 1 ppm. Arocolor-1260 was detected in all the samples, however, Aroclor-1016 was the other form of PCB that was only detected in one of the samples. Following the characterization of the stockpiled soils they were delivered to the Altamont Landfill for disposal.

3.1 Segregation of PCB Impacted Soils Using PCB Kits

Based on our protocol in the risk management report, the soils containing more than 50 ppm PCBs had planned to be delivered and disposed of in the Class I Landfill (TSCA facility). However, soils containing less than 50 ppm were supposed to be disposed of in the Class II Landfill. During the excavation activities, for separation of the soils containing over 50 ppm PCBs from the soils containing less than 50 ppm PCBs, a PCB kit called "Clor-N-Soil" was utilized. To test the reliability of the PCB kit, several parallel confirmatory analyses were conducted. As such, several soil samples were collected and analyzed using both PCB kits and the standard EPA Method 8082 by the state certified environmental laboratories such as Delta Environmental, Curtis & Tompkins and Sequoia Analytical. The results of the confirmation tests indicated one hundred percent correlation between the two analyses methods. The field screening of the PCB kit involves mixing a certain amount of soil (15 gram) with an organic solvent, which extracts the PCB from the

soil. The extraction solvent, after mixing with the soil, is passed through a drying column, which removes water, inorganic chlorides and other interfering contaminants. The extract is then reacted with a sodium metal dispersion, which converts covalently bonded halogens to their ionic form. The halogens are then extracted into a buffer solution where they are titrated with a fixed amount of mercuric nitrate. An excess of mercuric ions will form a blue color with the diphenyl carbazone indicator, while an excess of chloride will prevent color formation. The results of such screening level analysis using the PCB kits can be interpreted easily without special equipment. Any blue color indicates less than 50 ppm PCB. Over 50 ppm PCB will cause the formation of a white to yellowish color.

After establishing the reliability of the PCB kits, SOMA used them effectively in order to separate the highly PCB-impacted soils with that of less impacted soils for off-site disposal purposes.

In addition to PCB kits, SOMA also utilized a photo ionization detector (PID) to detect the presence of any volatile organic compound in the field. As discussed later, whenever highly PCB-impacted soils were encountered (using the PCB kits) additional soil samples were collected and sent to State-certified laboratories for confirmation purposes.

3.2 Drilling Exploratory Soil Borings

Prior to excavation of the pile caps, a drilling activity was planned to evaluate the extent of PCB impacted soil under the Site. On March 17, 2000, Environmental Soil Tech Consultants, a subcontractor of SOMA, using a hollow stem auger drilled six soil borings to a total depth of 20-feet (Figure 4). Relatively undisturbed soil samples using a split spoon soil sampler were collected from depths of 2.5, 5, 10, 15 and 20 feet. The samples were split into two parts, one for conducting field screening using the PCB kits, while the other one for conducting laboratory analysis using EPA Method 8082. The laboratory samples were sealed and delivered to Curtis &

Tompkins for PCBs analysis. The field samples were used for on-site screening for PCBs using the Clor-N-Soil PCB screening kit manufactured by Dexsil Corporation.

The results of the field screening using the PCB kits and the laboratory analyses are summarized in Table-5. The total PCB concentrations ranged between ND and 24.048 ppm. The maximum concentration was found at a depth of 20-feet below the ground surface at soil boring J-3. The results of the field screening, using the PCB kits, showed that all samples had a PCB concentration less than 50 ppm. This finding was confirmed with the analytical results reported by Curtis & Tompkins Ltd. The results so far demonstrated that the PCB kits are accurate and reliable tools for segregating soils with PCB concentrations below and above 50 ppm.

3.3 Further Site Characterization Activities

During the initial pile driving activities, WEBCOR encountered a rectangle-shaped concrete slab at a depth of 2.5 feet. This concrete slab is apparently the floor slab for the building which was located on the Site and was demolished in 1993. Figure-6 shows the location of the concrete slab. Based on WEBCOR's request, on March 29, 2000 SOMA collected six soil samples beneath the concrete slab at a depth of 3 feet below the surface (Figure 6). The samples were split into two portions, one for field screening and the other for laboratory analysis. The laboratory samples were sealed and delivered to Curtis & Tompkins for chemical analysis. The field samples were used for on-site screening for PCBs using the PCB screening kit. In addition to PCB analysis, the laboratory soil samples were also analyzed for Volatile Organic Compounds (VOCs) using EPA Method 8260A, Semivolatile Organic Compounds (SVOC) by EPA Method 8270B and Total Metals (CAM 17) by EPA 6000/7000 Series Methods. These analyses provided required analytical results for disposal of the excavated soils at the proper landfill facilities.

The analytical results of CAM 17 and PCBs are summarized and presented in Table 6. All metal concentrations were well below the acceptable levels by the Class II

landfills. Aroclor 1260 was the only PCB species that was detected and found to be less than 50 ppm in all samples. Field screening of the samples using PCB kits also showed PCB concentrations are less than 50 ppm in all samples. The results of the laboratory analysis indicated that toluene, 1,3-dichlorobenzene and 1,4-dichlorobenzene with concentrations of 0.2, 0.11 and 0.2 ppm, respectively are the only VOCs that were present in the soils beneath the concrete slab. No SVOCs were reported in the soil samples collected beneath the concrete slab.

3.4 Grading the Site Prior to the Excavation of the Pile Caps

On March 7, 2000 based on the construction plan of the Site, the entire area between the eastern fence and the center of the Site was leveled. During the grading process the majority of the cut soil was used on-site. However, during this activity seven soil stockpiles were screened for PCBs and found to have a PCB concentration less than 50 ppm. Grading ended on April 12, 2000 and then the excavation of the pile caps was started.

3.5 Excavation of the Pile Caps

Excavation of the pile caps was started on April 12, 2000, and completed on May 27, 2000. During the excavation of each pile cap about two or three soil samples were collected for on-site PCB screening using PCB screening kits. The excavated soils were also continuously monitored for volatile organic compounds using a portable Photo Ionization Detector (PID). The excavated soils were stockpiled temporarily waiting for field test results. Depending upon the results of the soil screening test, the stockpiled soils with a PCB concentration less than 50 ppm were tagged with white flags, while the stockpiles with PCB concentrations above 50 ppm were tagged with red flags. Soils with PCB concentrations less than 50 ppm were transported to the Altamont Landfill for disposal. However, the stockpiles tagged with red flags (PCB concentrations greater than 50 ppm) were re-sampled for laboratory analysis using EPA Method 8082. While waiting for the laboratory analysis results, the stockpile

soils were kept on-site, covered with tarp. After receiving the laboratory results and confirmation process the stockpiled soils containing above 50 ppm PCBs were transported to the Class I landfill facility of Waste Management Inc. in Kettleman Hills, California.

From the start of excavation until April 12, 2000 a total of 41 pile caps were excavated. The excavated soils were screened for PCBs and found to have a PCB concentration of less than 50 ppm. The generated soils during this period were transported to the Altamont Landfill for disposal.

On April 13, 2000, high levels of PCB (above 50 ppm) were encountered during the excavation of pile cap A-4, see Figure-4. High levels of PCBs were found in a layer of fill material with a thickness of about one foot at a depth of 5 feet below ground surface at pile cap A-4. The fill material had an unpleasant odor and showed a PID reading of 165 ppm. A representative soil sample was collected from this layer and tested in the field using the PCB test kit. The results of the field test indicated elevated levels of PCBs (greater than 50 ppm). The excavated fill material was kept separately and sent to the Class I Landfill. The excavation beyond the PCB impacted layer was continued to a depth of about 8 feet. The excavated soils were stockpiled and kept separately. To characterize the second stockpiled soil, a composite sample was collected and sent to the laboratory for analysis. The analytical results of the laboratory analyses are summarized in Table-7. The results showed up to 4.9 ppm PCBs and minor concentrations of petroleum hydrocarbons as ethylbenzene and xylenes in the second stockpile. Subsequently, the second stockpile was sent to the Class II landfill facility (Altamont Landfill).

On April 26 during the excavation of pile cap E-14 at a depth of 4 to 5 feet, a layer of fill material consisting of mica sheets, broken ceramics and metal refuse was encountered. The results of several field tests using the PCB kits on the samples collected from the fill material showed elevated levels of PCBs (greater than 50 ppm). The same materials were also observed during the excavation of pile cap F-11.

The results of field tests also showed elevated levels of PCB in the fill material samples from pile cap F-11 (greater than 50 ppm). Composite soil samples from the stockpiled soils of E-14 and F-11 generated during excavation activities, along with a representative sample from mica sheets were also collected and delivered to Curtis & Tompkins, Ltd. for PCB analysis. Aroclor 1260 was the major species of the PCBs detected at 230, 600 and 11,000 ppm (mg/kg) in the soil samples collected from stockpile E-14, F-11 and mica sheets, respectively. The analytical results confirmed the results of the field screening tests for PCBs. Appendix B shows the laboratory reports and chain of custody forms.

On April 27, 2000, during the excavation of pile caps F-12, D-13, and C-13, the same refuse materials, at the same depths of 4-5 feet were encountered. The results of a field test showed a PCB concentration greater than 50 ppm.

On May 1 and 2, 2000, the same refuse materials mixed with mica sheets with elevated levels of PCBs were encountered. The excavated soils from pile caps G-10, G-12, C-15, L-10, H-10, and J-10 (see Figure-7 for the location of the pile caps) were sampled. The field screening test showed elevated levels of PCBs. Besides the elevated contents of PCBs in the soil samples collected from pile caps G-10, H-10, J-10 and L-10, an oily liquid seeping from the walls of excavation was also encountered. The excavated soils had a strong unpleasant odor. The PID instrument indicated elevated concentrations of VOCs (up to 4200 ppm) inside the excavation pits.

Based on the field observation and the results of the laboratory analysis, in order to protect the construction crew and to re-evaluate the health and safety of the workers, on May 2, 2000 the construction activities were stopped until further notice.

On May 3 and 4, in order to address the worker's concerns over the odors detected during the recent excavation activities, three air samples were collected from the excavation pits of (G-10, J-10 and the western fence line) using Summa Canisters.

The results of the air sampling analysis was discussed earlier, see Table-2 and Table-3.

On May 4, 2000, representative soil samples were collected from the walls of the excavated pits and the stockpiled soils of pile caps G-10 and J-10 and were delivered to Sequoia Analytical of Walnut Creek for chemical analysis. Besides PCBs, all samples were analyzed for total purgeable hydrocarbons and BTEX using EPA Method 8260A, and SVOCs using EPA Method 8270B. Additionally, the samples were analyzed for CAM 17 metals using EPA Methods 6000/7000 Series.

The analytical results of the soil samples collected on May 4, 2000 are summarized and presented in Table-8. The concentration of total purgeable hydrocarbons ranged between 25 and 470 mg/kg. The maximum concentrations of BTEX were 0.54, ND, 0.28 and 1.1 mg/kg, respectively. Chlorobenzene and 1,4-dichlorobenzene were the only volatile organic compounds that were detected in all the samples with peak concentrations of 55 and 3.8 mg/kg, respectively. PCBs as Aroclor-1254 and Aroclor-1260 were found at elevated concentrations in both samples. Aroclor-1254 peaked at 515 mg/kg and Aroclor-1260 peaked at 411 mg/kg. The results of the laboratory analysis indicated, the presence of elevated levels of lead, arsenic, chromium, see Table-8. The PCB-impacted soils encountered during the excavation of contaminated pile caps were stored in three stockpiles namely north-pile, south-pile and west-pile.

Due to the presence of elevated levels of lead and chromium, the Class I Landfill in Kettleman Hills required further characterization of the stockpiled soils. Based on the requirements of the Class I landfill, the Solubility Threshold Limit Concentration (STLC) and Toxicity Characteristics Leaching Procedure (TCLP) of chromium and lead in the stockpiled soils was measured. The Waste Management authority specified that if both STLC and TCLP values of the soils exceeded five mg/l, due to the presence of PCBs, the waste soils would be categorized as RCRA waste and would no longer accept the excavated soils in their facility in Kettleman Hills.

On May 8, 2000, the three stockpiles (north-pile, south-pile and west-pile) were sampled for verification of the total concentration of CAM-17 metals and analysis of STLC and TCLP values for lead and chromium. Four samples were collected from each pile and delivered to Sequoia Laboratory. Per SOMA's request, a composite soil sample was made from each pile and analyzed for CAM-17 metals, STLC and TCLP values for chromium and lead. On May 10, 2000, for further characterization and verification purposes multiple soil samples were collected from each stockpile. The samples were delivered to Delta Environmental Laboratories. A composite soil sample was made from each pile and analyzed for CAM-17 metals, PCBs, STLC and TCLP for lead and chromium.

The results of the soil sampling on May 8 and 10, 2000 are summarized and presented in Table-9. As Table-9 shows, the TCLP analytical results reported by both laboratories satisfied the requirements of the Waste Management Class I Landfill facility in Kelleman Hills. Therefore, on May 15, 2000, the stockpiled soils were transported to the Chemical Waste Management facility in Kettleman Hills for disposal. Figure 7 shows the distribution of PCB-impacted soils (greater and less than 50 ppm) throughout EmeryStation II.

3.6 On-Site Health and Safety Meeting

On May 8, 2000, an on-site meeting was held in which WEBCOR's construction superintendent, a Wareham representative, SOMA's Industrial Hygienist and Toxicologist and key WEBCOR construction crew were present. The purpose of this meeting was to inform workers of the additional health and safety precautions to be implemented for future construction/excavation activities within the pile cap areas at the Site, as specified in Addendum C (Additional Health and Safety Precautions for Excavation and Construction Activities at EmeryStation II) to the Site health and safety plan (HSP). Key health and safety issues discussed included:

- Recent soil and air sampling results;
- Upgrade of PPE from Level-D to Level-C with half-face respirators to control objectionable odors;
- Delineation of an Exclusion Zone (contaminated zone), Contamination Reduction Zone, and Support Zone
- Decontamination procedures, including equipment and personnel.

Following an intense question and answer session, a meeting was held to discuss implementation of the additional health and safety precautions outlined in the new addendum (Addendum C) to the site HSP. The following summarizes major items discussed with WEBCOR, WEBCOR's subcontractors and SOMA:

1. The Exclusion Zone (EZ) or contaminated zone will be delineated with an orange-colored fence and appropriate warning signs. The Contamination Reduction Zone (CRZ) and Support Zone (SZ) will be delineated with tape outside the boundaries of the orange fenceline.
2. Only workers with OSHA 40-hour training will be allowed within the EZ.
3. Workers who enter an excavation pit will have the following upgraded PPE:
 - Polytyvek coveralls
 - Half-face respirator with cartridges to control dust and VOCs/odors
4. The worker who blows water out of the piles will have a full-face respirator and will 1) be cleaned off periodically to remove mud; and 2) change respirator cartridges when they become soaked with water.
5. As part of the CRZ, a trailer-mounted decontamination unit will be installed, equipped with washbasins and showers. All rinsate will be collected for off-site disposal.
6. Mandatory showering will occur for all workers who enter into an excavation pit, or blow water out of piles.

7. WEBCOR and its contractors will meet shortly for a respirator fit testing. Prior to this, all necessary medical exams and clearances must be in place.
8. As soon as the waste manifests are available, all currently stockpiled soil will be loaded onto trucks for off-site disposal. The EZ will be extended to encircle the truck loading area during loading in order to minimize decontamination activity.
9. To prevent workers exposures to vapors and minimize the unpleasant odors, SOMA will supply airflow into the excavation pits by using 500 CFM blowers.
10. SOMA-specific action items from this meeting were:
 - SOMA representatives will assist in the respirator fit testing on 05/11/2000.
 - SOMA will review the site layout (EZ, CRZ, SZ and warning signs) prior to excavation activities to ensure compliance with all applicable regulations.
 - SOMA will prepare a simplified "Fact Sheet" for the workers that summarize the key information from the HSP, especially exposures to PCBs and VOCs, health risks, regulatory guidelines and PPE.

Following the health and safety meetings per the Site Health and Safety Plan, an Exclusion Zone around the excavated pits where high levels of PCBs and strong odor were found was established. The exclusion zone was also included the following areas:

- all loading areas;
- open excavation areas;
- soil stockpiles containing high levels of contaminants;

- swing radii for equipment and;
- cleaning operations and loading operations of bulk soil.

The exclusion zone was marked with an orange-colored fence, warning tape and signs. Then the contamination reduction zone (CRZ) and decontamination zone were established (see photos in Appendix A). The zones were set at the beginning of the day and changed as required by activities. For the details of the revised Health and Safety Plan see Addendum C.

3.7 Resumption of Excavation of the Pile Caps

On May 15, 2000, excavation and loading operations were resumed within the exclusion zone. Within the exclusion zone, Level C of PPE was established by the Site Safety Officer (SSO). Clean air using gas-operated blowers was supplied into the excavated pits (see Appendix A) and PID monitoring continued until a zero reading was established prior to entry of the construction workers. The PPE and the equipment during the blowing of liquids from the pile holes using pressurized air, were upgraded and modified in order to reduce the workers exposures to the site contaminants, see Appendix A.

The safety precautions and working with on-site staff to implement exposure prevention measures were conducted by SOMA's crew until May 27, 2000, the final day of excavation and loading activities.

3.8 Independent Review of Site Health and Safety Operation

As a precautionary measure, in order to ensure the health and safety of the construction crew, WEBCOR requested an independent Industrial Hygienist to visit the site during the construction and excavation period and comment on the implementation of the Health and Safety Plan by SOMA. On May 19, 2000, Mr. Robert Kuykendall of The Denali Group visited the site and observed the

implementation of the Site health and safety issues. Mr. Kuykendall's field documentation data sheet and his letter dated June 23, indicates that SOMA's implementation of Health and Safety Plan is in complete compliance with OSHA's Hazardous Waste Operation Standard (29 CFR 1910.120) and project Specific Health and Safety Plan. Appendix F includes The Denali Group letter and field documentation data sheet.

3.9 Management of the Groundwater and Protection of Storm Drains

Heavy rains on April 12, 13 and 14 ceased the excavation activities and generated considerable amounts of storm water in the excavated holes (see Appendix A). The excavation and related activities were ceased from April 13 through April 17, 2000. To prevent removal of soil from the site, all gates were closed to equipments and supporting trucks. One week before the rains, six storm drains were located and sealed with tarp and sandbags, (see Appendix A). This eliminated transportation of the contaminated sediments by storm water. Groundwater and storm water surrounding the drains was pumped into five 7,000-gallon Baker tanks. Samples were collected from the storm water from all five tanks for laboratory analysis. The samples were analyzed for TPH-g, BTEX, PCBs and lead.

The analytical results of the water samples collected from the storm water and the Baker tanks are presented in Table-10. Lead and PCBs with concentrations of 22 and 11 µg/L, respectively were the two detectable contaminants in the storm water runoff. Gasoline in the groundwater samples ranged between non-detectable and 170 µg/L. Benzene was at non-detectable levels in all of the samples and toluene was only detected in tanks 3 and 5 with a maximum concentration of 16 µg/L. Total xylenes ranged between non-detectable and 27 µg/L. Lead concentration peaked at 110 µg/L in tank-2. Based on the analytical results, the generated groundwater during excavation was classified as a non-hazardous waste liquid and transported to Seaport Environmental of Redwood City for disposal. A total of 90,500 gallons of

groundwater was collected and disposed of in an off-site location during the pile excavation activities. Appendix E includes wastewater manifests.

4.0 REFERENCES

SOMA Environmental Engineering, Inc. February 25, 2000, Excavation and Construction Activities at 5815 Peladeau Street

SOMA Environmental Engineering, Inc. March 17 Addendum to Site Specific Risk Management Plan for EmeryStation II (EmeryStation North) at 5815 Peladeau Street.

SOMA Environmental Engineering, Inc. March 10 "Results of Additional Soil Sampling at the Cistern Area Former Westinghouse Electric Facility, 5815 Peladeau Street, Emeryville, California.

ALTA Geosciences, January 1997, Completion Report Site Soil Remediation Westinghouse Emeryville Site, 5899 Peladeau Street, Emeryville, California.

SOMA Environmental Engineering, Inc. February 1996 Health Risk Assessment Report for the Former Westinghouse Electric Corporation Facility

FIGURES

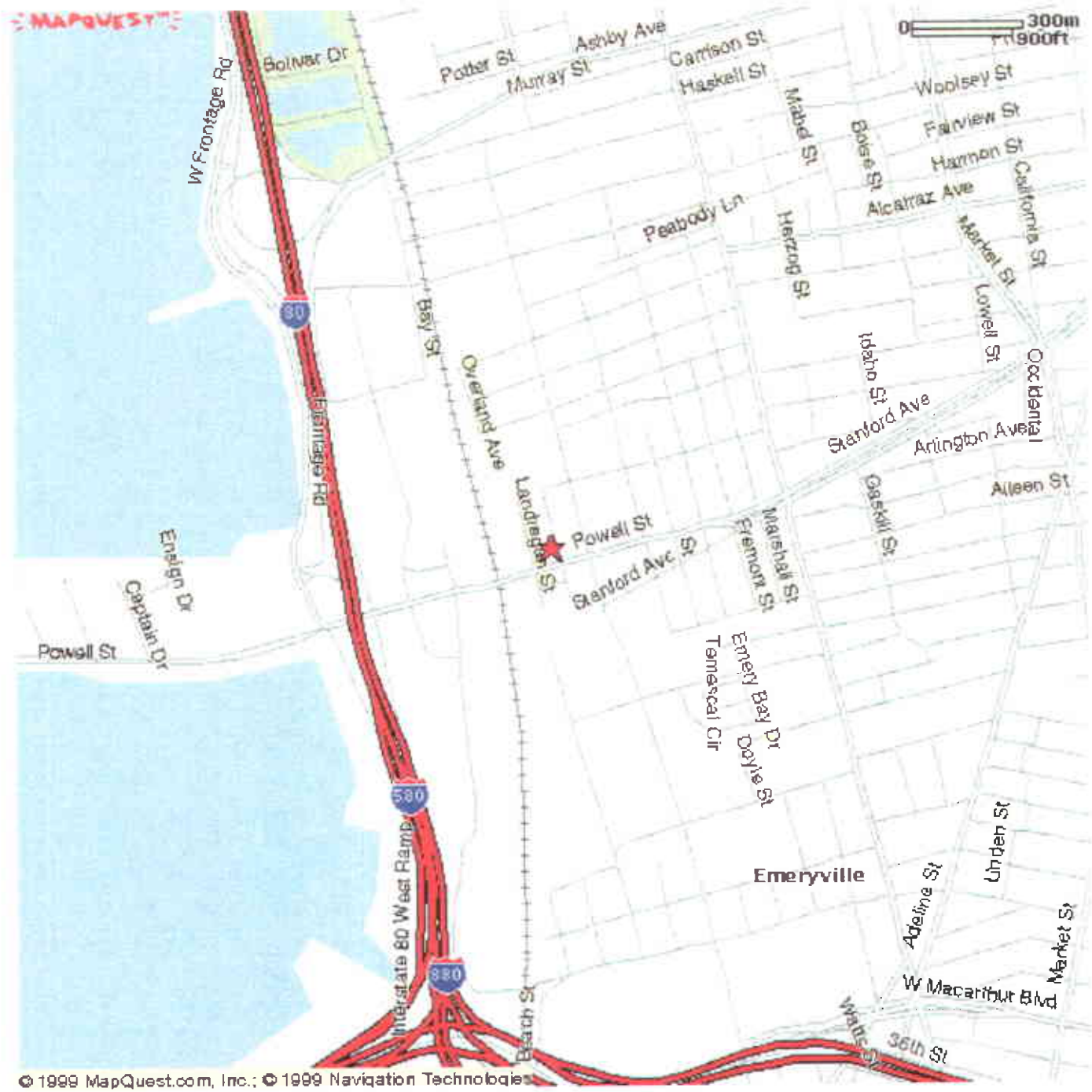


Figure 1: Site Vicinity Map

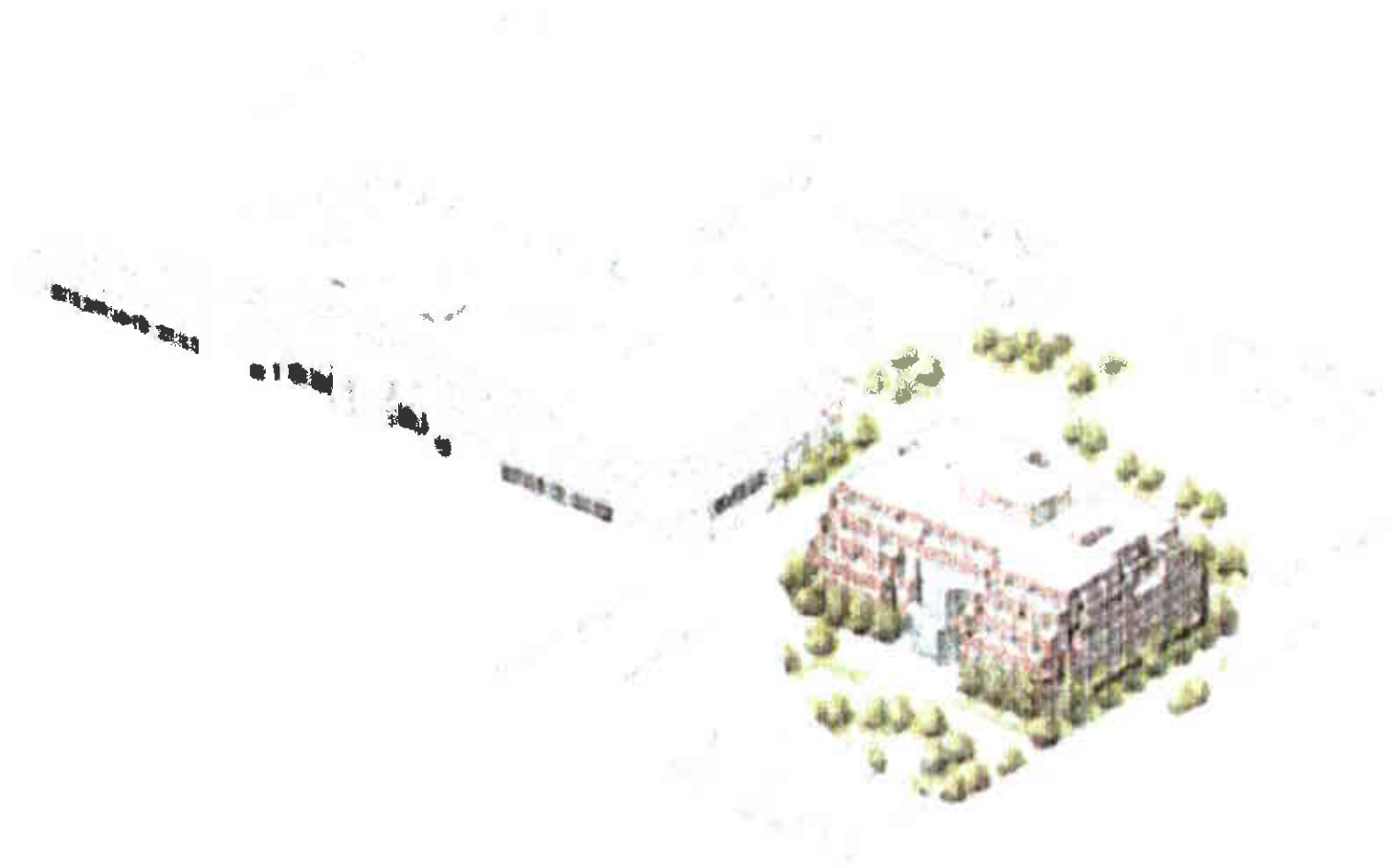
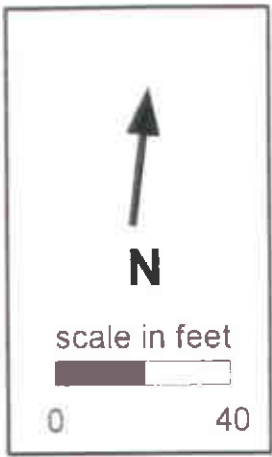


Figure 2: EmeryStation II Building

Heritage Square Parking Lot



N M L K J H G F E D C B A

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



Approximate Location of Cistern

Landregan

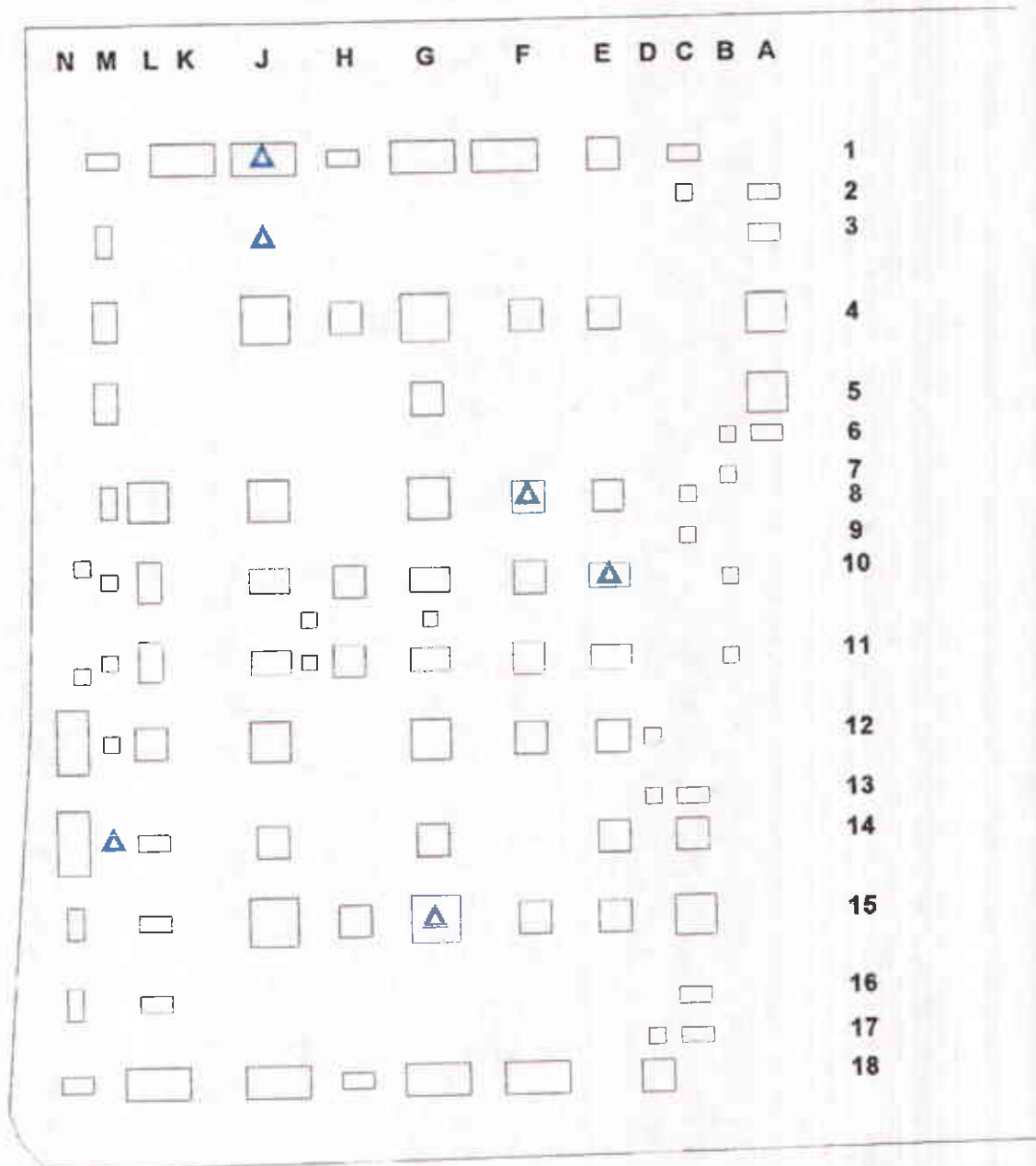
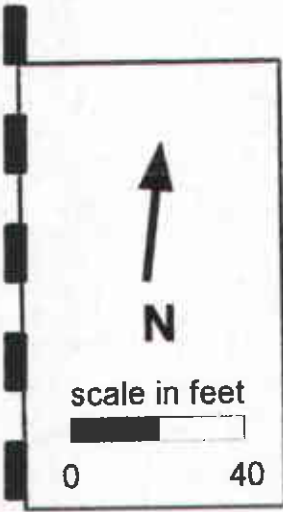
Parking Lot

59th Street

Emery Station I

Figure 3: Location of Cistern Discovered in January 2000

Heritage Square Parking Lot



Parking Lot

Landregan

59th Street

Emery Station I

▲ Shallow Soil Boring
(see Table 5 for results)

Figure 4: Locations of Excavated Pile Caps

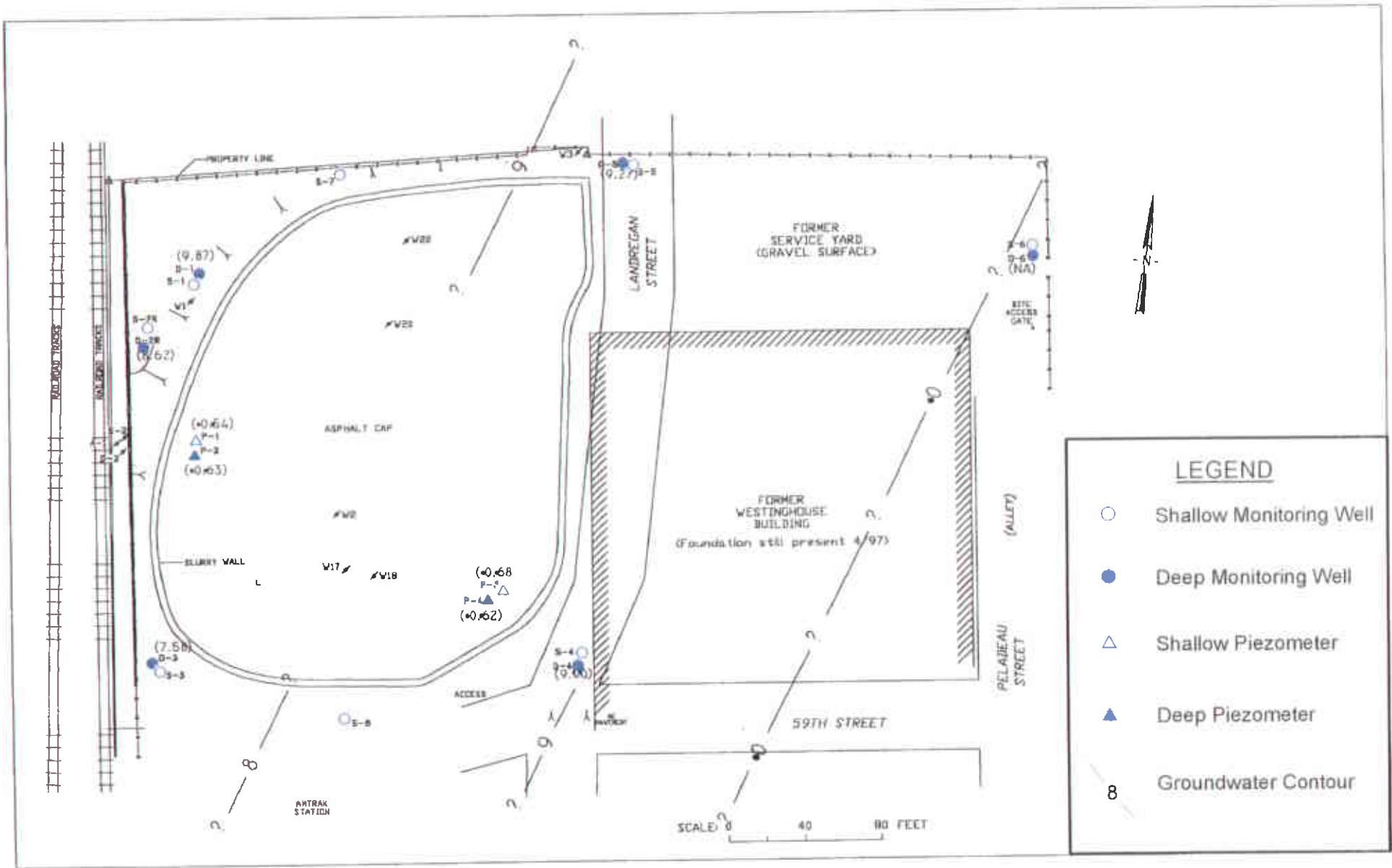
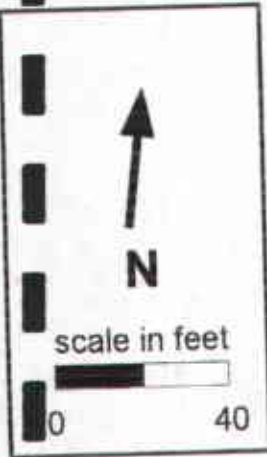


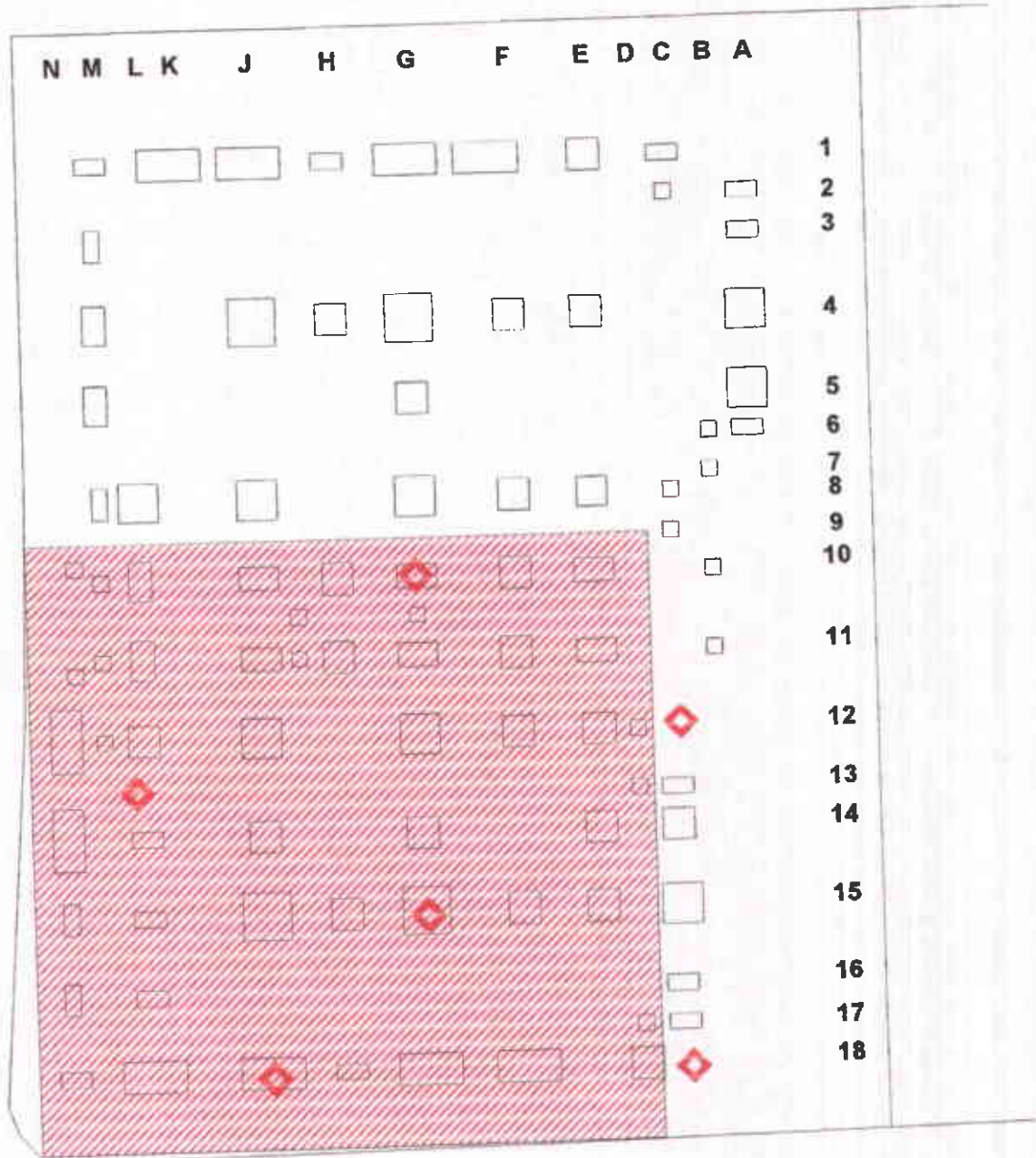
Figure 5: Location of Monitoring Wells in the Emery Station II Area

Heritage Square Parking Lot



Landregan

Parking Lot



59th Street

Emery Station I

-  Shallow Soil Sample (see Table 6 for results)
-  Concrete Slab

Figure 6: Location of Concrete Slab and Additional Soil Sampling Points

Heritage Square Parking Lot

N

scale in feet

0 40

Landregan

Parking Lot



59th Street

Emery Station I

Green square: Soil with PCB < 50 ppm

Red square: Soil with PCB > 50 ppm

Figure 7: Distribution of PCB-Impacted Soils (Greater than 50 ppm) at Emery Station II

TABLES

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
31-Mar-00	Backhoe Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
7-Apr-00	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	Grador Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)	
20-Apr-00	West Fenceline	Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND		
	East Fenceline	Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Loader Operator	Aroclor 1016	0.75	ND
Aroclor 1221			0.75	ND	
Aroclor 1232	0.75		ND		
Aroclor 1242	0.75		ND		
Aroclor 1248	0.75		ND		
Aroclor 1254	0.75		ND		
Aroclor 1260	0.75		ND		
25-Apr-00	West Fenceline		Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		East Fenceline	Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
	Aroclor 1232		0.75	ND	
	Aroclor 1242		0.75	ND	
	Aroclor 1248		0.75	ND	
	Aroclor 1254		0.75	ND	
	Aroclor 1260		0.75	ND	
	Loader Operator		Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
		Aroclor 1260	0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)	
27-Apr-00	East Fenceline	Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		West Fenceline	Aroclor 1016	0.75	ND
	Aroclor 1221		0.75	ND	
	Aroclor 1232		0.75	ND	
	Aroclor 1242		0.75	ND	
	Aroclor 1248		0.75	ND	
	Aroclor 1254		0.75	ND	
	Aroclor 1260		0.75	ND	
	Loader Operator		Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		1-May-00	East Fenceline	Aroclor 1016	0.75
	Aroclor 1221			0.75	ND
	Aroclor 1232			0.75	ND
Aroclor 1242	0.75			ND	
Aroclor 1248	0.75			ND	
Aroclor 1254	0.75			ND	
Aroclor 1260	0.75			ND	
West Fenceline	Aroclor 1016			0.75	ND
	Aroclor 1221		0.75	ND	
	Aroclor 1232		0.75	ND	
	Aroclor 1242		0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)	
12-May-00	Loader Operator	Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND		
	West Fenceline	Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Loader Operator	Aroclor 1016	0.75	ND
Aroclor 1221			0.75	ND	
Aroclor 1232	0.75		ND		
Aroclor 1242	0.75		ND		
Aroclor 1248	0.75		ND		
Aroclor 1254	0.75		ND		
Aroclor 1260	0.75		ND		
North of Excl. Zone	Aroclor 1016		0.75	ND	
	Aroclor 1221		0.75	ND	
	Aroclor 1232	0.75	ND		
	Aroclor 1242	0.75	ND		
	Aroclor 1248	0.75	ND		
	Aroclor 1254	0.75	ND		
	Aroclor 1260	0.75	ND		
	18-May-00	East Fence	Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
Aroclor 1232			0.75	ND	
Aroclor 1242			0.75	ND	
Aroclor 1248			0.75	ND	
Aroclor 1254			0.75	ND	
North Fence		Aroclor 1260	0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
22-May-00	Loader Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
		Aroclor 1016	0.75	ND
	Aroclor 1221	0.75	ND	
	Aroclor 1232	0.75	ND	
	Aroclor 1242	0.75	ND	
	Aroclor 1248	0.75	ND	
	Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND	
	Loading Station	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
Aroclor 1232		0.75	ND	
Aroclor 1242		0.75	ND	
Aroclor 1248		0.75	ND	
Aroclor 1254		0.75	ND	
Aroclor 1260	0.75	ND		

Table-2
Air Quality Analysis Using Summa Canisters
EPA Method TO-14
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)	
3-May-00	G-10 Excavation Pit	Benzene	17	400	
		Chlorobenzene	24	5,900	
		1,3-Dichlorobenzene	32	150	
		1,4-Dichlorobenzene	32	180	
		1,2-Dichlorobenzene	32	36	
		1,2,4-Trichlorobenzene	40	430	
		J-10 Excavation Pit	Benzene	15	420
	Chlorobenzene		22	6,800	
	m,p-Xylene		20	23	
	1,2,4-Trimethylbenzene		23	53	
	1,4-Dichlorobenzene		28	210	
	Cyclohexane		65	340	
	4-May-00		Western Fenceline	Chloromethane	1.7
		Benzene		2.6	13
Toluene		3.1		7.6	
Ethyl Benzene		3.6		17	
m,p-Xylene		3.6		9.4	
1,2,4-Trimethylbenzene		4		4.2	
Acetone		7.8		17	
Ethanol		6.2		16	
18-May-00		G-11 Excavation Pit		Freon 113	120
	Benzene		49	420	
	Trichloroethane		83	190	
	Chlorobenzene		71	12000	
	Ethyl Benzene		67	260	
	m,p-Xylene		67	1400	
	o-Xylene		67	85	
	1,3,5-Trimethylbenzene		76	140	
	1,2,4-Trimethylbenzene		76	330	
	1,3-Dichlorobenzene		93	1900	
	1,4-Dichlorobenzene		93	14000	
	1,2-Dichlorobenzene		93	350	
	1,2,4-Trichlorobenzene		110	7900	
	Hexane		220	270	
	Cyclohexane		210	600	
	Heptane		250	1200	
	H-11 Excavation Pit		Benzene	9.4	49

Table-2
Air Quality Analysis Using Summa Canisters
EPA Method TO-14
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
		Toluene	11	18
		Chlorobenzene	13	3500
		Ethyl Benzene	13	18
		m,p-Xylene	13	44
		1,3,5-Trimethylbenzene	14	33
		1,2,4-Trimethylbenzene	14	150
		1,3-Dichlorobenzene	18	710
		1,4-Dichlorobenzene	18	3400
		1,2-Dichlorobenzene	18	110
		1,2,4-Trichlorobenzene	22	2000

Table-3
Air Quality Analysis Using Summa Canisters
EPA Method ASTM D-1945
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (%)	Result (%)
3-May-00	G-10 Excavation Pit	Oxygen	0.16	22
		Nitrogen	0.16	78
		Carbon Dioxide	0.0016	0.05
	G-10 Duplicate	Oxygen	0.16	22
		Nitrogen	0.16	78
		Carbon Dioxide	0.0016	0.049
4-May-00	Western Fenceline	Oxygen	0.16	22
		Nitrogen	0.16	48
		Carbon Dioxide	0.0016	0.047
	J-10 Excavation Pit	Oxygen	0.14	22
		Nitrogen	0.14	78
		Methane	0.0014	0.0027
Carbon Dioxide		0.0014	0.044	
18-May-00	G-11Excavation Pit	Oxygen	0.15	22
		Nitrogen	0.15	78
		Carbon Monoxide	0.0015	0.002
	H-11Excavation Pit	Oxygen	0.14	23
		Nitrogen	0.14	77
		Carbon Monoxide	0.0014	0.048

Table 4
Analytical Results of Composite Soil Samples Collected From
Stockpiled Soils on March 15, 2000

Analyte	Composite-1	Composite-2	Composite-3	Composite-4
Arocolor-1016	0.021	ND	ND	ND
Arocolor-1221	ND	ND	ND	ND
Arocolor-1232	ND	ND	ND	ND
Arocolor-1242	ND	ND	ND	ND
Arocolor-1248	ND	ND	ND	ND
Arocolor-1254	ND	ND	ND	ND
Arocolor-1260	0.38	0.082	0.094	0.081

* The results were reported by the laboratory as ug/kg, but are presented here as mg/kg

Table 5
Results of PCBs Analysis on Soil Samples Collected on March 17, 2000

Boring	Depth	Aroclor-1016	Aroclor-1260	Total*	Field screening
	ft	ppm	ppm	ppm	ppm
E10	2.5	0.079	1.400	1.479	<50
	5.0	0.230	3.100	3.330	<50
	10.0	ND	0.045	0.045	<50
	15.0	ND	ND	ND	<50
	20.0	ND	ND	ND	<50
F8	2.5	3.200	11.000	14.200	<50
	5.0	3.400	9.500	12.900	<50
	10.0	0.290	0.760	1.050	<50
	15.0	0.086	0.200	0.286	<50
	20.0	4.000	10.000	14.000	<50
G15	2.5	ND	0.030	0.030	<50
	5.0	ND	ND	ND	<50
	10.0	ND	ND	ND	<50
	15.0	ND	0.630	0.630	<50
	20.0	ND	0.023	0.023	<50
J1	2.5	ND	0.61	0.610	<50
	5.0	0.027	1.600	1.627	<50
	10.0	0.038	0.390	0.428	<50
	15.0	0.040	0.140	0.180	<50
	20.0	ND	0.160	0.160	<50
J3	2.5	0.180	1.200	1.380	<50
	5.0	ND	3.200	3.200	<50
	10.0	ND	0.035	0.035	<50
	15.0	ND	0.720	0.720	<50
	20.0	0.048	24.000	24.048	<50
M14	2.5	ND	0.020	0.200	<50
	5.0	ND	0.430	0.430	<50
	10.0	ND	0.034	0.034	<50
	15.0	ND	ND	ND	<50
	20.0	ND	0.049	0.049	<50

* Total PCBs are the summation of Aroclor-1016 and 1260, other species of PCB were not detectable

Table 6

Total Metals and PCBs Concentration Reported by Sequoia Analytical
On Soil Samples Collected Beneath the Concrete Slab on March 29, 2000

Analyte	Location of Soil Boring						TTL Class II
	C12	D18	G10	G15	J18	M13	Requirements
	-----mg/kg-----						
Antimony	24	14	19	28	16.0	19	500
Arsenic	ND	ND	ND	ND	ND	ND	500
Barium	170	79	110	160	170	130	10,000
Beryllium	ND	ND	ND	ND	1.2	0.6	75
Cadmium	ND	ND	0.81	ND	0.75	0.52	100
Chromium	52	28.0	27.0	45	28	31	2,500
Cobalt	16	6.5	8.9	14	17	13	8,000
Copper	57	10	29	51	24	40	2,500
Lead	15	ND	26.0	21	3.8	27	1,000
Mercury	0.110	0.051	0.24	0.19	0.48	0.14	20
Molybdenum	ND	ND	ND	ND	ND	ND	3,500
Nickel	44	32	29	42	30	28	2,000
Selenium	64	36	51	68	46	55	100
Silver	2.1	1.8	2.6	3.5	2.3	2.2	500
Thallium	ND	ND	ND	ND	ND	ND	700
Vanadium	150	78	100	150	100	100	2,400
Zinc	82	26	62	160	39	85	5,000
PCBs*	1.100	0.134	1.520	9.130	18.600	0.653	50
PCBs**	<50	<50	<50	<50	<50	<50	50

* Aroclor 1260 was the only species of PCBs that was detected in the samples

** Screened by PCB kit for concentrations above or below 50

Table 7

Analytical Results on Composite Soil Samples Collected From the
Stockpiled Soils of A4 on April 12, 2000

Analyte	Laboratory results(ug/kg)
Gasoline	ND
Benzene	ND
Toluene	ND
Ethylbenzene	37
m, p-Xylenes	17
o-Xylene	51
PCB as Aroclor-1260	4,900

Table 8

Total Purgeable Hydrocarbons, BTEX, Metals and PCBs Concentration Reported by Sequoia Analytical
on Soil Samples Collected from G-10 and J-10 Stockpiles and Excavation Pits
on May 4, 2000

Analyte	G10 Walls	J10 Walls	G10 Stockpile	J10 Stockpile
	-----mg/kg-----			
Purgeable Hydrocarbons	25	470	160	360
Benzene	0.28	0.54	ND	0.41
Toluene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	0.28
Xylenes	ND	0.84	0.17	1.1
Antimony	NA	NA	71	86
Arsenic	NA	NA	280	240
Barium	NA	NA	740	470
Beryllium	NA	NA	ND	ND
Cadmium	NA	NA	28	5.2
Chromium	NA	NA	72	30
Cobalt	NA	NA	ND	13
Copper	NA	NA	2,500	2,600
Lead	NA	NA	15,000	390
Mercury	NA	NA	0.13	0.049
Molybdenum	NA	NA	ND	ND
Nickel	NA	NA	94	47
Selenium	NA	NA	250	200
Silver	NA	NA	16	10
Thallium	NA	NA	ND	ND
Vanadium	NA	NA	330	260
Zinc	NA	NA	6,600	1,400
Chlorobenzene	2.9	55	3.3	11
n-Propylbenzene	ND	ND	ND	0.18
1,2,4-Trimethylbenzene	ND	ND	0.11	0.14
sec-Buthylbenzene	ND	0.1	0.10	0.20
1,3-Dichlorobenzene	ND	ND	ND	0.13
1,4-Dichlorobenzene	0.53	3.8	1.8	0.87
n-Butylbenzene	ND	ND	ND	0.14
1,2,4-Trichlorobenzene	ND	ND	0.14	ND
Naphtalene	ND	0.56	ND	ND
PCB Aroclor-1254	376	515	NA	NA
PCB Aroclor-1260	399	411	NA	NA

ND Not Detectable

NA Not Analyzed

Table 9

Total Metals, STLC and TCLP Values Along with PCB Concentrations Reported
by Sequoia Analytical and Delta Environmental on Soil Samples Collected
From Three Stockpile Soils on May 8 and May 10, 2000

Analyte	Sequoia Analytical			Delta Environmental		
	Northpile	Southpile	Westpile	Northpile	Southpile	Westpile
	Total Metals mg/kg					
Antimony	39	39	69	ND	13	ND
Arsenic	110	89	220	ND	ND	ND
Barium	440	300	770	330	290	260
Beryllium	ND	1.6	ND	ND	ND	ND
Cadmium	2.9	ND	13	ND	ND	ND
Chromium	48	57	69	22	26	23
Cobalt	15	17	18.0	9	14	14
Copper	260	89	2,200	170	78	40
Lead	320	8.7	1,400	80	42	300
Mercury	0.11	0.075	0.12	ND	ND	ND
Molybdenum	ND	ND	ND	ND	ND	ND
Nickel	55	55	70	22	27	23
Selenium	120	130	190	ND	ND	ND
Silver	3.9	3.1	12	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND
Vanadium	190	220	290	30	35	31
Zinc	880	140	2,900	370	260	180
	STLC CAM Metals mg/L					
Chromium	0.32	0.16	0.43	ND	ND	ND
Lead	22	0.33	27	6	1.5	19
	TCLP CAM Metals mg/L					
Chromium	ND	ND	ND	ND	ND	ND
Lead	0.68	0.023	0.62	ND	ND	ND
	PCBs					
Aroclor-1260	NA	NA	NA	103	185	150

ND Not Detectable

NA Not Analyzed

Table 10**Analytical Results of Storm Water and Groundwater Samples Collected in April & May 2000**

Analyte	Unit	Tank-1	Tank-2	Tank-3	Tank-3*	Tank-4	Tank-5	Storm water
Gasoline	ug/L	75	79	ND	60	ND	170	ND
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	8.8	ND	16	ND
Ethlybenzene	ug/L	ND	7.4	ND	ND	ND	ND	ND
Total Xylenes	ug/L	27	16.63	ND	6.9	ND	1.91	ND
Lead	ug/L	33	110	0.01	ND	0.01	3.8	22
PCB	ug/L	6.7	7.9	ND	5.8	1	27	11

* This sample was taken in May and analyzed by Delta Environmental Laboratory, the other samples were taken in April and analyzed by Curtis & Tompkins Ltd.

APPENDIX A

Photographs Taken During Field Operations



Figure A1. Dust control during excavation and loading



Figure A2. Air monitoring for PCBs in suspended materials.



Figure A3. De-watering and storing purged groundwater in tanks



Figure A4. Personal Protection Equipment during excavation activities



Figure A5. Using blowers to supply fresh air into the contaminated pile caps



Figure A6. Loading contaminated soil to trucks



Figure A7. Protection of storm drains



Figure A8. PCB screening kit usage

Appendix B

Laboratory Analysis Reports On Soil, Air and Water Samples During Field Operation

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005064

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineering
2680 Biship Dr. Suite 203
San Ramon, CA 94583

BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/3/00
DATE COMPLETED: 5/4/00

P.O. # NR
PROJECT # 2178 CBS On-Site

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	G-10	TO-14	4.5 "Hg
02A	J-10	TO-14	1.0 "Hg
03A	Lab Blank	TO-14	NA

CERTIFIED BY: 

FDR Laboratory Director

DATE: 5/4/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Corporation
Work Order # 0005064

Two 6L Summa Canister samples were received on May 3, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Ltd. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

The recovery of surrogate Bromofluorobenzene in sample J-10 was outside control limits due to high level hydrocarbon matrix interference. The un-subtracted raw spectra is provided to confirm the presence of hydrocarbon interference. Data is reported as qualified.

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no other out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050316	Date of Collection: 5/3/00
Dil. Factor:	10.5	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	-Amount (ppbv)	Amount (uG/m3)
Freon 12	5.2	26	Not Detected	Not Detected
Freon 114	5.2	37	Not Detected	Not Detected
Chloromethane	5.2	11	Not Detected	Not Detected
Vinyl Chloride	5.2	14	Not Detected	Not Detected
Bromomethane	5.2	21	Not Detected	Not Detected
Chloroethane	5.2	14	Not Detected	Not Detected
Freon 11	5.2	30	Not Detected	Not Detected
1,1-Dichloroethene	5.2	21	Not Detected	Not Detected
Freon 113	5.2	41	Not Detected	Not Detected
Methylene Chloride	5.2	18	Not Detected	Not Detected
1,1-Dichloroethane	5.2	22	Not Detected	Not Detected
cis-1,2-Dichloroethene	5.2	21	Not Detected	Not Detected
Chloroform	5.2	26	Not Detected	Not Detected
1,1,1-Trichloroethane	5.2	29	Not Detected	Not Detected
Carbon Tetrachloride	5.2	34	Not Detected	Not Detected
Benzene	5.2	17	120	400
1,2-Dichloroethane	5.2	22	Not Detected	Not Detected
Trichloroethene	5.2	29	Not Detected	Not Detected
1,2-Dichloropropane	5.2	25	Not Detected	Not Detected
cis-1,3-Dichloropropene	5.2	24	Not Detected	Not Detected
Toluene	5.2	20	Not Detected	Not Detected
trans-1,3-Dichloropropene	5.2	24	Not Detected	Not Detected
1,1,2-Trichloroethane	5.2	29	Not Detected	Not Detected
Tetrachloroethene	5.2	36	Not Detected	Not Detected
Ethylene Dibromide	5.2	41	Not Detected	Not Detected
Chlorobenzene	5.2	24	1300	5900
Ethyl Benzene	5.2	23	Not Detected	Not Detected
m,p-Xylene	5.2	23	Not Detected	Not Detected
o-Xylene	5.2	23	Not Detected	Not Detected
Styrene	5.2	23	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	5.2	37	Not Detected	Not Detected
1,3,5-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,2,4-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,3-Dichlorobenzene	5.2	32	24	150
1,4-Dichlorobenzene	5.2	32	30	180
Chlorotoluene	5.2	28	Not Detected	Not Detected
1,2-Dichlorobenzene	5.2	32	5.9	36
1,2,4-Trichlorobenzene	5.2	40	57	430
Hexachlorobutadiene	5.2	57	Not Detected	Not Detected
Propylene	21	37	Not Detected	Not Detected
1,3-Butadiene	21	47	Not Detected	Not Detected
Acetone	21	51	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050316	Date of Collection:	5/3/00
Dil. Factor:	10.5	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	21	66	Not Detected	Not Detected
2-Propanol	21	52	Not Detected	Not Detected
trans-1,2-Dichloroethene	21	85	Not Detected	Not Detected
Vinyl Acetate	21	75	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	21	63	Not Detected	Not Detected
Hexane	21	75	Not Detected	Not Detected
Tetrahydrofuran	21	63	Not Detected	Not Detected
Cyclohexane	21	73	Not Detected	Not Detected
1,4-Dioxane	21	77	Not Detected	Not Detected
Bromodichloromethane	21	140	Not Detected	Not Detected
4-Methyl-2-pentanone	21	87	Not Detected	Not Detected
2-Hexanone	21	87	Not Detected	Not Detected
Dibromochloromethane	21	180	Not Detected	Not Detected
Bromoform	21	220	Not Detected	Not Detected
4-Ethyltoluene	21	100	Not Detected	Not Detected
Ethanol	21	40	Not Detected	Not Detected
Methyl tert-Butyl Ether	21	77	Not Detected	Not Detected
Heptane	21	87	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	88	70-130

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050317	Date of Collection: 5/3/00
Dil. Factor:	9.27	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	4.6	23	Not Detected	Not Detected
Freon 114	4.6	33	Not Detected	Not Detected
Chloromethane	4.6	9.7	Not Detected	Not Detected
Vinyl Chloride	4.6	12	Not Detected	Not Detected
Bromomethane	4.6	18	Not Detected	Not Detected
Chloroethane	4.6	12	Not Detected	Not Detected
Freon 11	4.6	26	Not Detected	Not Detected
1,1-Dichloroethene	4.6	19	Not Detected	Not Detected
Freon 113	4.6	36	Not Detected	Not Detected
Methylene Chloride	4.6	16	Not Detected	Not Detected
1,1-Dichloroethane	4.6	19	Not Detected	Not Detected
cis-1,2-Dichloroethene	4.6	19	Not Detected	Not Detected
Chloroform	4.6	23	Not Detected	Not Detected
1,1,1-Trichloroethane	4.6	26	Not Detected	Not Detected
Carbon Tetrachloride	4.6	30	Not Detected	Not Detected
Benzene	4.6	15	130	420
1,2-Dichloroethane	4.6	19	Not Detected	Not Detected
Trichloroethene	4.6	25	Not Detected	Not Detected
1,2-Dichloropropane	4.6	22	Not Detected	Not Detected
cis-1,3-Dichloropropene	4.6	21	Not Detected	Not Detected
Toluene	4.6	18	Not Detected	Not Detected
trans-1,3-Dichloropropene	4.6	21	Not Detected	Not Detected
1,1,2-Trichloroethane	4.6	26	Not Detected	Not Detected
Tetrachloroethene	4.6	32	Not Detected	Not Detected
Ethylene Dibromide	4.6	36	Not Detected	Not Detected
Chlorobenzene	4.6	22	1400	6800
Ethyl Benzene	4.6	20	Not Detected	Not Detected
m,p-Xylene	4.6	20	5.3	23
o-Xylene	4.6	20	Not Detected	Not Detected
Styrene	4.6	20	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	4.6	32	Not Detected	Not Detected
1,3,5-Trimethylbenzene	4.6	23	Not Detected	Not Detected
1,2,4-Trimethylbenzene	4.6	23	11	53
1,3-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,4-Dichlorobenzene	4.6	28	34	210
Chlorotoluene	4.6	24	Not Detected	Not Detected
1,2-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,2,4-Trichlorobenzene	4.6	35	Not Detected	Not Detected
Hexachlorobutadiene	4.6	50	Not Detected	Not Detected
Propylene	18	32	Not Detected	Not Detected
1,3-Butadiene	18	42	Not Detected	Not Detected
Acetone	18	45	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064-02A

EPA METHOD TO-14 GC/MS Full Scan

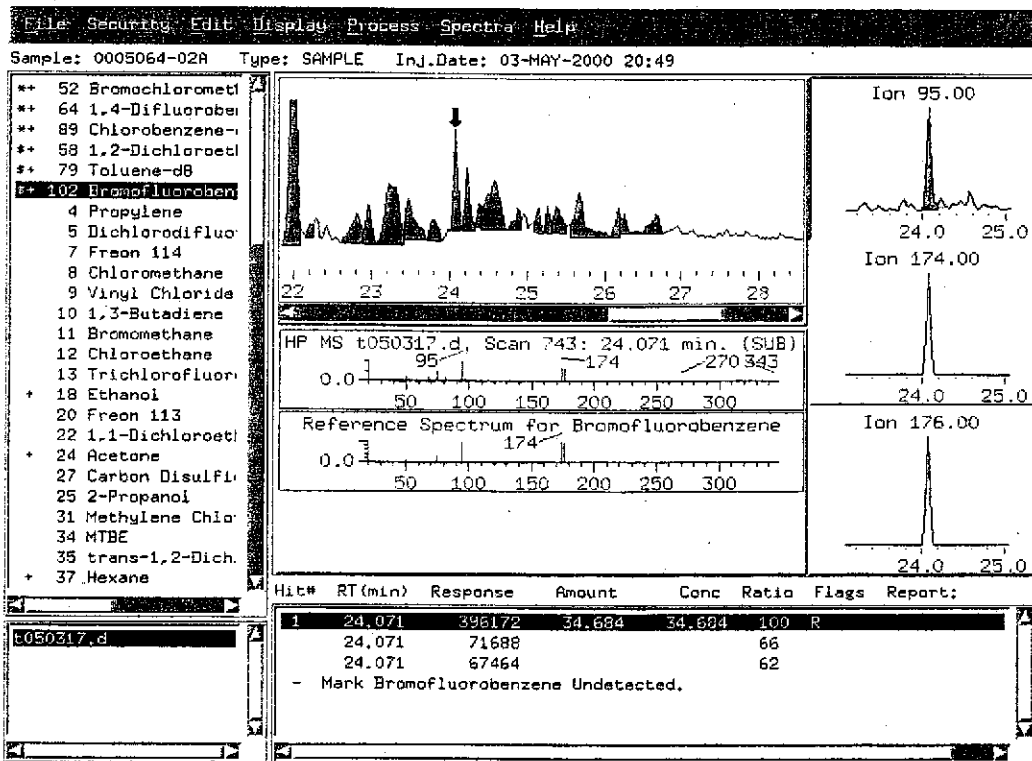
File Name:	t050317	Date of Collection:	5/3/00
Dil. Factor:	9.27	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	18	59	Not Detected	Not Detected
2-Propanol	18	46	Not Detected	Not Detected
trans-1,2-Dichloroethene	18	75	Not Detected	Not Detected
Vinyl Acetate	18	66	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	18	56	Not Detected	Not Detected
Hexane	18	66	Not Detected	Not Detected
Tetrahydrofuran	18	56	Not Detected	Not Detected
Cyclohexane	18	65	96	340
1,4-Dioxane	18	68	Not Detected	Not Detected
Bromodichloromethane	18	130	Not Detected	Not Detected
4-Methyl-2-pentanone	18	77	Not Detected	Not Detected
2-Hexanone	18	77	Not Detected	Not Detected
Dibromochloromethane	18	160	Not Detected	Not Detected
Bromoform	18	190	Not Detected	Not Detected
4-Ethyltoluene	18	93	Not Detected	Not Detected
Ethanol	18	36	Not Detected	Not Detected
Methyl tert-Butyl Ether	18	68	Not Detected	Not Detected
Heptane	18	77	Not Detected	Not Detected

Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	139 Q	70-130



BFB elevated due to nontarget matrix interference.

105 5-4-00

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	t050303	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050303	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	86	70-130



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Sample Transportation Notice:
 Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by completed written disclosure of presence of any hazardous substances known or suspected by client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. D.O.T. HAZMAT Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX: (916) 985-1020

CHAIN-OF-CUSTODY RECORD

No 026480

Page 1 of 1

Contact Person <u>Mansour Sepehr</u> Company <u>DDMA Eng. Eng.</u> Address <u>2680 Bishop Dr. Suite 203</u> City <u>San Ramon</u> State <u>CA</u> Zip _____ Phone _____ FAX _____ Collected By: Signature _____	Project info: P.O. # _____ Project # <u>2178</u> Project Name <u>CBS on-site</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hrs</u> Specify _____
---	---	---

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
<u>01A</u>	<u>G-10</u>	<u>5/3/00 12:05</u>	<u>T0-14</u>	<u>30" H2O</u>	<u>5"</u>	<u>4.5 Hg</u>
<u>02A</u>	<u>J-10</u>	<u>5/3/00 12:0</u>	<u>T0-14</u>	<u>30" H2O</u>	<u>0.0"</u>	<u>1.5 Hg</u>
						<u>26</u>
						<u>5/3/00</u>

Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/3/00 12:10</u> Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/2/00 1344</u> Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/2/00 1645</u>	Print Name <u>Naseer PAKIOW</u> Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/3/00</u> Received By: (Signature) <u>Danielle Burgess</u> Date/Time <u>ATL 1645</u>	Notes:
---	--	--------

Shipper Name <u>Courrier</u> Air Bill # _____ Opened By <u>DB</u> Date/Time <u>5/3/00 1645</u> Temp. (°C) _____ Condition <u>Good</u> Custody Seals Intact? Yes No <u>None</u> N/A Work Order # <u>0005064</u>	Lab Use Only
---	--------------

Page 10

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005064B

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineers
2680 Biship Dr. Suite 203
San Ramon, CA 94583

BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/3/00
DATE COMPLETED: 5/4/00

P.O. # NR
PROJECT # 2178 CBS On-Site

FRACTION #

01A
01AA
02A
03A
04A

NAME

G-10
G-10 Duplicate
J-10
Method Spike
Lab Blank

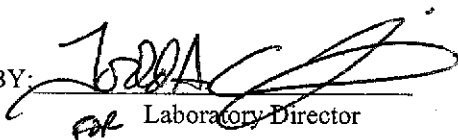
TEST

ASTM D-1945
ASTM D-1945
ASTM D-1945
ASTM D-1945
ASTM D-1945

RECEIPT
VAC./PRES.

4.5 "Hg
4.5 "Hg
1.0 "Hg
NA
NA

CERTIFIED BY:


Laboratory Director

DATE: 5/4/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis by Modified ASTM Method D-1945
SOMA Corporation
Work Order # 0005064B

Two 6L Summa™ Canister samples were received on May 3, 2000. The laboratory performed analysis via Modified ASTM Method D-1945 for Oxygen and Nitrogen using GC/TCD and for Carbon Monoxide, Methane, Carbon Dioxide, Ethane, Propane, Isobutane, Butane, Neopentane, Isopentane, n-Pentane and C6+ Hydrocarbons using GC/FID. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Since Nitrogen is used to pressurize samples, the reported Nitrogen value is calculated by subtracting out the amount added during pressurization.

Propane and propylene co-elute. Peak is quantitated as propane.

All reported results are normalized to total 100% per ASTM D-1945 protocol.

There were no out of the ordinary circumstances to report.

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- M - Reported value may be biased due to apparent matrix interferences.

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064B-01A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050319	Date of Collection:	5/3/00
Dil. Factor:	1.58	Date of Analysis:	5/3/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.16	22
Nitrogen	0.16	78
Carbon Monoxide	0.0016	Not Detected
Methane	0.0016	Not Detected
Carbon Dioxide	0.0016	0.050
Ethane	0.0016	Not Detected
Propane	0.0016	Not Detected
Isobutane	0.0016	Not Detected
Butane	0.0016	Not Detected
Neopentane	0.0016	Not Detected
Isopentane	0.0016	Not Detected
Pentane	0.0016	Not Detected
C6+	0.016	Not Detected

Total BTU/Cu.F. = 0

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : G-10 Duplicate

ID#: 0005064B-01AA

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050320	Date of Collection:	5/3/00
Dil. Factor:	1.58	Date of Analysis:	5/3/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.16	22
Nitrogen	0.16	78
Carbon Monoxide	0.0016	Not Detected
Methane	0.0016	Not Detected
Carbon Dioxide	0.0016	0.049
Ethane	0.0016	Not Detected
Propane	0.0016	Not Detected
Isobutane	0.0016	Not Detected
Butane	0.0016	Not Detected
Neopentane	0.0016	Not Detected
Isopentane	0.0016	Not Detected
Pentane	0.0016	Not Detected
C6+	0.016	Not Detected

Total BTU/Cu.F. = 0

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064B-02A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050321	Date of Collection:	5/3/00
Dil. Factor:	1.39	Date of Analysis:	5/3/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.14	22
Nitrogen	0.14	78
Carbon Monoxide	0.0014	Not Detected
Methane	0.0014	0.0027
Carbon Dioxide	0.0014	0.044
Ethane	0.0014	Not Detected
Propane	0.0014	Not Detected
Isobutane	0.0014	Not Detected
Butane	0.0014	Not Detected
Neopentane	0.0014	Not Detected
Isopentane	0.0014	Not Detected
Pentane	0.0014	Not Detected
C6+	0.014	Not Detected

Total BTU/Cu.F. = 0.027

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : Method Spike

ID#: 0005064B-03A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050301	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/3/00

Compound	Det. Limit (%)	% Recovery
Oxygen	0.10	97
Nitrogen	0.10	97
Carbon Monoxide	0.0010	94
Methane	0.0010	104
Carbon Dioxide	0.0010	101
Ethane	0.0010	100
Propane	0.0010	102
Isobutane	0.0010	100
Butane	0.0010	100
Neopentane	0.0010	103
Isopentane	0.0010	101
Pentane	0.0010	100
C6+	0.010	107

Oxygen, Nitrogen and Carbon Dioxide reported from file 3050302 analyzed on 5/3/00 at a dilution of 1.0

Total BTU/Cu.F. = NA

Total Sp. Gravity = NA

Container Type: NA

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064B-04A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050304	Date of Collection:	NA
Dil. Factor:	1:00	Date of Analysis:	5/3/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	100
Carbon Monoxide	0.0010	Not Detected
Methane	0.0010	Not Detected
Carbon Dioxide	0.0010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Isobutane	0.0010	Not Detected
Butane	0.0010	Not Detected
Neopentane	0.0010	Not Detected
Isopentane	0.0010	Not Detected
Pentane	0.0010	Not Detected
C6+	0.010	Not Detected

Total BTU/Cu.F. = NA

Total Sp. Gravity = NA

Container Type: NA



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Sample Transportation Notice
Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by completed written disclosure of presence of any hazardous substances known or suspected by client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. D.O.T. HAZMAT Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Nº 026480

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person <u>Mansour Bepehr</u> Company <u>DDMP Env. Eng.</u> Address <u>2680 Bishop Dr. Suite 203</u> City <u>San Ramon</u> State <u>CA</u> Zip _____ Phone _____ FAX _____ Collected By: Signature _____	Project Info: P.O. # _____ Project # <u>2178</u> Project Name <u>CBS on-site</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hrs</u> Specify _____
---	--	--

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
<u>01A</u>	<u>G-10</u>	<u>5/3/00 12:05</u>	<u>T0-14</u>	<u>30" H₂O</u>	<u>5"</u>	<u>4.5 Hg</u>
<u>02A</u>	<u>J-10</u>	<u>5/3/00 12:0</u>	<u>T0-14</u>	<u>30" H₂O</u>	<u>0.0"</u>	<u>1.0 Hg</u>
						<u>2/10</u>
						<u>5/3/00</u>

page 2

Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/3/00 12:10</u>	Print Name <u>Nasel Pakrou</u>
Relinquished By: (Signature) _____ Date/Time _____	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/2/00 1344</u>
Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/2/00 1445</u>	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/3/00</u>

Notes:

Lab Use Only	Shipper Name <u>Courier</u>	Air Bill # _____	Opened By: <u>DB</u>	Date/Time <u>5/3/00 1445</u>	Temp. (°C) _____	Condition <u>Good</u>	Custody Seals Intact? <u>Yes</u> <input checked="" type="radio"/> <u>None</u> <input type="radio"/> N/A	Work Order # <u>0005064</u>
--------------	-----------------------------	------------------	----------------------	------------------------------	------------------	-----------------------	---	-----------------------------

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005092A

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineers
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/5/00
DATE COMPLETED: 5/5/00

P.O. # NR
PROJECT # 2178 CBS On-Site

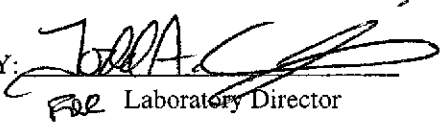
FRACTION #
01A
02A

NAME
West Fenceline
Lab Blank

TEST
TO-14
TO-14

RECEIPT
VAC./PRES.
5.0 "Hg
NA

CERTIFIED BY:


Laboratory Director

DATE:

5/12/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Environmental Engineers
Work Order # 0005092A

One 6L Summa Canister sample was received on May 5, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Ltd. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : West Fenceline

ID#: 0005092A-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	I050508	Date of Collection: 5/4/00
Dil. Factor:	1.61	Date of Analysis: 5/5/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.80	4.0	Not Detected	Not Detected
Freon 114	0.80	5.7	Not Detected	Not Detected
Chloromethane	0.80	1.7	1.3	2.7
Vinyl Chloride	0.80	2.1	Not Detected	Not Detected
Bromomethane	0.80	3.2	Not Detected	Not Detected
Chloroethane	0.80	2.2	Not Detected	Not Detected
Freon 11	0.80	4.6	Not Detected	Not Detected
1,1-Dichloroethene	0.80	3.2	Not Detected	Not Detected
Freon 113	0.80	6.3	Not Detected	Not Detected
Methylene Chloride	0.80	2.8	Not Detected	Not Detected
1,1-Dichloroethane	0.80	3.3	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.80	3.2	Not Detected	Not Detected
Chloroform	0.80	4.0	Not Detected	Not Detected
1,1,1-Trichloroethane	0.80	4.5	Not Detected	Not Detected
Carbon Tetrachloride	0.80	5.1	Not Detected	Not Detected
Benzene	0.80	2.6	4.0	13
1,2-Dichloroethane	0.80	3.3	Not Detected	Not Detected
Trichloroethene	0.80	4.4	Not Detected	Not Detected
1,2-Dichloropropane	0.80	3.8	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.80	3.7	Not Detected	Not Detected
Toluene	0.80	3.1	2.0	7.6
trans-1,3-Dichloropropene	0.80	3.7	Not Detected	Not Detected
1,1,2-Trichloroethane	0.80	4.5	Not Detected	Not Detected
Tetrachloroethene	0.80	5.6	Not Detected	Not Detected
Ethylene Dibromide	0.80	6.3	Not Detected	Not Detected
Chlorobenzene	0.80	3.8	Not Detected	Not Detected
Ethyl Benzene	0.80	3.6	3.8	17
m,p-Xylene	0.80	3.6	2.1	9.4
o-Xylene	0.80	3.6	Not Detected	Not Detected
Styrene	0.80	3.5	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.80	5.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.80	4.0	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.80	4.0	0.84	4.2
1,3-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
1,4-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
Chlorotoluene	0.80	4.2	Not Detected	Not Detected
1,2-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.80	6.1	Not Detected	Not Detected
Hexachlorobutadiene	0.80	8.7	Not Detected	Not Detected
Propylene	3.2	5.6	Not Detected	Not Detected
1,3-Butadiene	3.2	7.2	Not Detected	Not Detected
Acetone	3.2	7.8	7.1	17

AIR TOXICS LTD.

SAMPLE NAME : West Fenceline

ID#: 0005092A-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	I050508	Date of Collection: 5/4/00
Dil. Factor:	1.61	Date of Analysis: 5/5/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	3.2	10	Not Detected	Not Detected
2-Propanol	3.2	8.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.2	13	Not Detected	Not Detected
Vinyl Acetate	3.2	12	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	9.6	Not Detected	Not Detected
Hexane	3.2	12	Not Detected	Not Detected
Tetrahydrofuran	3.2	9.6	Not Detected	Not Detected
Cyclohexane	3.2	11	Not Detected	Not Detected
1,4-Dioxane	3.2	12	Not Detected	Not Detected
Bromodichloromethane	3.2	22	Not Detected	Not Detected
4-Methyl-2-pentanone	3.2	13	Not Detected	Not Detected
2-Hexanone	3.2	13	Not Detected	Not Detected
Dibromochloromethane	3.2	28	Not Detected	Not Detected
Bromoform	3.2	34	Not Detected	Not Detected
4-Ethyltoluene	3.2	16	Not Detected	Not Detected
Ethanol	3.2	6.2	8.2	16
Methyl tert-Butyl Ether	3.2	12	Not Detected	Not Detected
Heptane	3.2	13	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005092A-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	I050504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005092A-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050504	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/5/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130



AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

Sample Transportation Warrant: Air Toxics Limited assumes liability with respect to the collection, handling or shipping of these samples. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by completed written disclosure of presence of any hazardous substances known or suspected by client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. D.O.T. HAZMAT Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Nº 026479

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person <u>Mansour Sepahr</u> Company <u>SOMA Env. Eng.</u> Address <u>2680 Bishop Dr. City San Ramon State CA</u> Zip _____ Phone <u>Suite 203</u> FAX _____ Collected By: Signature <u>Naser Pakiou</u>	Project info: P.O. # _____ Project # <u>2178</u> Project Name <u>CBS On-site</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hrs</u> Specify _____
--	---	---

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
OIA	West Fence line	5/4/00 11:30	TO-14	30" H2O	5"	5/10/00 AW 5/5/00

Relinquished By: (Signature) Date/Time <u>5/4/00</u> Print Name <u>Naser Pakiou</u>	Notes:
Relinquished By: (Signature) _____ Date/Time _____ Received By: (Signature) Date/Time <u>5-5-00 0830</u>	
Relinquished By: (Signature) Date/Time <u>5/5/00 1039</u> Received By: (Signature) Date/Time <u>5/5/00 1040</u>	

Lab Use Only	Shipper Name <u>courier</u>	Air Bill # _____	Opened By <u>DB</u>	Date/Time <u>5/5/00 1040</u>	Temp. (°C) _____	Condition <u>Good</u>	Custody Seals Intact? <u>Yes</u> No <u>None</u> N/A	Work Order # <u>0005092A</u>
--------------	-----------------------------	------------------	---------------------	------------------------------	------------------	-----------------------	---	------------------------------

page 8

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005092B

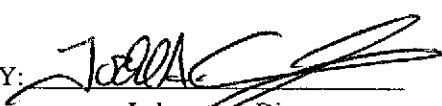
Work Order Summary

CLIENT: Mr. Mansour Sepehr **BILL TO:** Same
SOMA Environmental Engineers
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

PHONE: 925-244-6600 **P.O. #** NR
FAX: 925-244-6601 **PROJECT #** 2178 CBS On-Site
DATE RECEIVED: 5/5/00
DATE COMPLETED: 5/5/00

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	West Fenceline	ASTM D-1945	5.0 "Hg
02A	Lab Blank	ASTM D-1945	NA

CERTIFIED BY:


EW Laboratory Director

DATE: 5/5/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis by Modified ASTM Method D-1945
SOMA Environmental Engineers
Work Order # 0005092B

One 6L Summa™ Canister sample was received on May 5, 2000. The laboratory performed analysis via Modified ASTM Method D-1945 for Oxygen and Nitrogen using GC/TCD and for Carbon Monoxide, Methane, Carbon Dioxide, Ethane, Propane, Isobutane, Butane, Neopentane, Isopentane, n-Pentane and C6+ Hydrocarbons using GC/FID. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Since Nitrogen is used to pressurize samples, the reported Nitrogen value is calculated by subtracting out the amount added during pressurization.

Propane and propylene co-elute. Peak is quantitated as propane.

All reported results are normalized to total 100% per ASTM D-1945 protocol.

There were no out of the ordinary circumstances to report.

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- M - Reported value may be biased due to apparent matrix interferences.

AIR TOXICS LTD.

SAMPLE NAME : West Fenceline

ID#: 0005092B-01A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050515	Date of Collection:	5/4/00
Dil. Factor:	1.61	Date of Analysis:	5/5/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.16	22
Nitrogen	0.16	48
Carbon Monoxide	0.0016	Not Detected
Methane	0.0016	Not Detected
Carbon Dioxide	0.0016	0.047
Ethane	0.0016	Not Detected
Propane	0.0016	Not Detected
Isobutane	0.0016	Not Detected
Butane	0.0016	Not Detected
Neopentane	0.0016	Not Detected
Isopentane	0.0016	Not Detected
Pentane	0.0016	Not Detected
C6+	0.016	Not Detected

Total BTU/Cu.F. = 0

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005092B-02A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3050506	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/5/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	100
Carbon Monoxide	0.0010	Not Detected
Methane	0.0010	Not Detected
Carbon Dioxide	0.0010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Isobutane	0.0010	Not Detected
Butane	0.0010	Not Detected
Neopentane	0.0010	Not Detected
Isopentane	0.0010	Not Detected
Pentane	0.0010	Not Detected
C6+	0.010	Not Detected

Total BTU/Cu.F. = NA

Total Sp. Gravity = NA

Container Type: NA



AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

Sample Transportation Notice
Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of presence of any hazardous substances known or suspected by client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. D.O.T. HAZMAT Hotline (800) 467-4922

180 BLUE RAVINE ROAD SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

CHAIN-OF-CUSTODY RECORD

N^o 026479
Page 1 of 1

Contact Person <u>Mansour Sa'edeh</u> Company <u>SOMA Env. Eng.</u> Address <u>2680 Bishop Dr. City San Ramon State CA</u> Zip _____ Phone <u>Suite 203</u> FAX _____ Collected By: Signature <u>Naser Pakrou</u>	Project info: P.O. # _____ Project # <u>2178</u> Project Name <u>CBS on-site</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hrs</u> Specify _____
---	---	---

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
01A	West Fence line	5/4/00 11:30	TO-14	30" H2O	5"	5.0 Hg JLW 5/5/00

Reinquired By: (Signature) Date/Time <u>5/4/00</u> Print Name <u>Naser Pakrou</u>	Notes:
Reinquired By: (Signature) Date/Time _____ Received By: (Signature) Date/Time <u>5-5-00 0830</u>	
Reinquired By: (Signature) Date/Time <u>5/5/00 1039</u> Received By: (Signature) Date/Time <u>5/8/00 1020</u>	

Lab Use Only	Shipper Name <u>Courier</u>	Air Bill # _____	Opened By: <u>DB</u>	Date/Time <u>5/5/00 1040</u>	Temp. (°C) _____	Condition <u>Good</u>	Custody Seals Intact? Yes No <u>None</u> N/A	Work Order # <u>0005092B</u>
--------------	-----------------------------	------------------	----------------------	------------------------------	------------------	-----------------------	--	------------------------------

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005329A

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineers
2680 Bishop Dr., Suite 203
San Ramon, CA 94583


BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/19/00
DATE COMPLETED: 5/22/00

P.O. # 2178
PROJECT # 2178 CBS On-Site

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT</u> <u>VAC/PRES.</u>
01A	Hole G11	TO-14	3.5 "Hg
02A	Hole H11	TO-14	2.0 "Hg
03A	Lab Blank	TO-14	NA

CERTIFIED BY


Laboratory Director

DATE:

5/22/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Corporation
Work Order # 0005329A

Two 6L Summa Canister samples were received on May 19, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Ltd. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : Hole G11

ID#: 0005329A-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	r052105	Date of Collection: 5/18/00
Dil. Factor:	30.4	Date of Analysis: 5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	15	76	Not Detected	Not Detected
Freon 114	15	110	Not Detected	Not Detected
Chloromethane	15	32	Not Detected	Not Detected
Vinyl Chloride	15	39	Not Detected	Not Detected
Bromomethane	15	60	Not Detected	Not Detected
Chloroethane	15	41	Not Detected	Not Detected
Freon 11	15	87	Not Detected	Not Detected
1,1-Dichloroethene	15	61	Not Detected	Not Detected
Freon 113	15	120	32	240
Methylene Chloride	15	54	Not Detected	Not Detected
1,1-Dichloroethane	15	62	Not Detected	Not Detected
cis-1,2-Dichloroethene	15	61	Not Detected	Not Detected
Chloroform	15	75	Not Detected	Not Detected
1,1,1-Trichloroethane	15	84	Not Detected	Not Detected
Carbon Tetrachloride	15	97	Not Detected	Not Detected
Benzene	15	49	130	420
1,2-Dichloroethane	15	62	Not Detected	Not Detected
Trichloroethene	15	83	34	190
1,2-Dichloropropane	15	71	Not Detected	Not Detected
cis-1,3-Dichloropropene	15	70	Not Detected	Not Detected
Toluene	15	58	Not Detected	Not Detected
trans-1,3-Dichloropropene	15	70	Not Detected	Not Detected
1,1,2-Trichloroethane	15	84	Not Detected	Not Detected
Tetrachloroethene	15	100	Not Detected	Not Detected
Ethylene Dibromide	15	120	Not Detected	Not Detected
Chlorobenzene	15	71	2700	12000
Ethyl Benzene	15	67	59	260
m,p-Xylene	15	67	310	1400
o-Xylene	15	67	19	85
Styrene	15	66	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	15	110	Not Detected	Not Detected
1,3,5-Trimethylbenzene	15	76	28	140
1,2,4-Trimethylbenzene	15	76	66	330
1,3-Dichlorobenzene	15	93	320	1900
1,4-Dichlorobenzene	15	93	2200	14000
Chlorotoluene	15	80	Not Detected	Not Detected
1,2-Dichlorobenzene	15	93	57	350
1,2,4-Trichlorobenzene	15	110	1000	7900
Hexachlorobutadiene	15	160	Not Detected	Not Detected
Propylene	61	110	Not Detected	Not Detected
1,3-Butadiene	61	140	Not Detected	Not Detected
Acetone	61	150	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Hole G11

ID#: 0005329A-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1052105	Date of Collection:	5/18/00
DH. Factor:	30.4	Date of Analysis:	5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	61	190	Not Detected	Not Detected
2-Propanol	61	150	Not Detected	Not Detected
trans-1,2-Dichloroethene	61	240	Not Detected	Not Detected
Vinyl Acetate	61	220	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	61	180	Not Detected	Not Detected
Hexane	61	220	76	270
Tetrahydrofuran	61	180	Not Detected	Not Detected
Cyclohexane	61	210	170	600
1,4-Dioxane	61	220	Not Detected	Not Detected
Bromodichloromethane	61	410	Not Detected	Not Detected
4-Methyl-2-pentanone	61	250	Not Detected	Not Detected
2-Hexanone	61	250	Not Detected	Not Detected
Dibromochloromethane	61	530	Not Detected	Not Detected
Bromoform	61	640	Not Detected	Not Detected
4-Ethyltoluene	61	300	Not Detected	Not Detected
Ethanol	61	120	Not Detected	Not Detected
Methyl tert-Butyl Ether	61	220	Not Detected	Not Detected
Heptane	61	250	290	1200

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	125	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	113	70-130

AIR TOXICS LTD.

SAMPLE NAME : Hole H11

ID#: 0005329A-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	r052104	Date of Collection: 5/18/00
Dil. Factor:	5.76	Date of Analysis: 5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	2.9	14	Not Detected	Not Detected
Freon 114	2.9	20	Not Detected	Not Detected
Chloromethane	2.9	6.0	Not Detected	Not Detected
Vinyl Chloride	2.9	7.5	Not Detected	Not Detected
Bromomethane	2.9	11	Not Detected	Not Detected
Chloroethane	2.9	7.7	Not Detected	Not Detected
Freon 11	2.9	16	Not Detected	Not Detected
1,1-Dichloroethene	2.9	12	Not Detected	Not Detected
Freon 113	2.9	22	Not Detected	Not Detected
Methylene Chloride	2.9	10	Not Detected	Not Detected
1,1-Dichloroethane	2.9	12	Not Detected	Not Detected
cis-1,2-Dichloroethene	2.9	12	Not Detected	Not Detected
Chloroform	2.9	14	Not Detected	Not Detected
1,1,1-Trichloroethane	2.9	16	Not Detected	Not Detected
Carbon Tetrachloride	2.9	18	Not Detected	Not Detected
Benzene	2.9	9.4	15	49
1,2-Dichloroethane	2.9	12	Not Detected	Not Detected
Trichloroethene	2.9	16	Not Detected	Not Detected
1,2-Dichloropropane	2.9	14	Not Detected	Not Detected
cis-1,3-Dichloropropene	2.9	13	Not Detected	Not Detected
Toluene	2.9	11	4.8	18
trans-1,3-Dichloropropene	2.9	13	Not Detected	Not Detected
1,1,2-Trichloroethane	2.9	16	Not Detected	Not Detected
Tetrachloroethene	2.9	20	Not Detected	Not Detected
Ethylene Dibromide	2.9	22	Not Detected	Not Detected
Chlorobenzene	2.9	13	750	3500
Ethyl Benzene	2.9	13	4.0	18
m,p-Xylene	2.9	13	10	44
o-Xylene	2.9	13	Not Detected	Not Detected
Styrene	2.9	12	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	2.9	20	Not Detected	Not Detected
1,3,5-Trimethylbenzene	2.9	14	6.5	33
1,2,4-Trimethylbenzene	2.9	14	30	150
1,3-Dichlorobenzene	2.9	18	120	710
1,4-Dichlorobenzene	2.9	18	550	3400
Chlorotoluene	2.9	15	Not Detected	Not Detected
1,2-Dichlorobenzene	2.9	18	18	110
1,2,4-Trichlorobenzene	2.9	22	270	2000
Hexachlorobutadiene	2.9	31	Not Detected	Not Detected
Propylene	12	20	Not Detected	Not Detected
1,3-Butadiene	12	26	Not Detected	Not Detected
Acetone	12	28	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Hole H11

ID#: 0005329A-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	r052104	Date of Collection:	5/18/00
Dil. Factor:	5.76	Date of Analysis:	5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	12	36	Not Detected	Not Detected
2-Propanol	12	29	Not Detected	Not Detected
trans-1,2-Dichloroethene	12	46	Not Detected	Not Detected
Vinyl Acetate	12	41	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	12	34	Not Detected	Not Detected
Hexane	12	41	Not Detected	Not Detected
Tetrahydrofuran	12	34	Not Detected	Not Detected
Cyclohexane	12	40	Not Detected	Not Detected
1,4-Dioxane	12	42	Not Detected	Not Detected
Bromodichloromethane	12	78	Not Detected	Not Detected
4-Methyl-2-pentanone	12	48	Not Detected	Not Detected
2-Hexanone	12	48	Not Detected	Not Detected
Dibromochloromethane	12	100	Not Detected	Not Detected
Bromoform	12	120	Not Detected	Not Detected
4-Ethyltoluene	12	58	Not Detected	Not Detected
Ethanol	12	22	Not Detected	Not Detected
Methyl tert-Butyl Ether	12	42	Not Detected	Not Detected
Heptane	12	48	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	124	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005329A-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	r052103	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005329A-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	r052103	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/21/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	107	70-130



AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

Sample Transportation
Air Toxics Limited assumes responsibility with respect to the collection, handling or shipping of these samples. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by completed written disclosure of presence of any hazardous substances known or suspected by client. Client further warrants that any sample containing any hazardous substance which is to be delivered to LAB will be packaged, labeled, transported and delivered properly and in accordance with applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. D.O.T. HAZMAT Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

CHAIN-OF-CUSTODY RECORD

No 026434

Page 1 of 1

Contact Person <u>Naser Pakiev</u> Company <u>SOMA Environmental Eng.</u> Address <u>2680 Bishop Dr. Suite 203</u> City <u>San Ramon</u> State <u>CA</u> Zip _____ Phone <u>925 244 6600</u> FAX <u>925 244 6601</u> Collected By: Signature <u>[Signature]</u>	Project info: P.O. # <u>2178</u> Project # <u>CBS on-site</u> Project Name <u>2178</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hr</u> Specify _____
---	---	--

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
101A	Hole G11	5/18 11:45	TO14	30 H ₂ O	3.0"	3.5 Hg
02A	Hole H11	5/18 3:15	TO14	30"	2.0"	2.0 Hg JW 5/19/00

Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>05/19/00</u>	Print Name <u>Naser Pakiev</u>
Relinquished By: (Signature) <u>[Signature]</u> Date/Time _____	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00 0700</u>
Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00 0840</u>	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00</u>

Notes:

Lab Use Only	Shipper Name <u>Carrier</u>	Air Bill # _____	Opened By: <u>DB</u>	Date/Time <u>5/19/00 837</u>	Temp. (°C) _____	Condition <u>Good</u>	Custody Seals Intact? Yes No <u>(None) N/A</u>	Work Order # <u>0005329A</u>
--------------	-----------------------------	------------------	----------------------	------------------------------	------------------	-----------------------	--	------------------------------

page 10

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005329B

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineers
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/19/00
DATE COMPLETED: 5/22/00

P.O. # 2178
PROJECT # 2178 CBS On-Site

FRACTION #

NAME

TEST

RECEIPT
VAC./PRES.

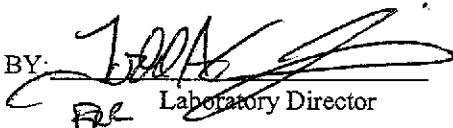
01A
02A
03A

Hole G11
Hole H11
Lab Blank

ASTM D-1945
ASTM D-1945
ASTM D-1945

3.5 "Hg
2.0 "Hg
NA

CERTIFIED BY:


Laboratory Director

DATE:

5/22/00

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis by Modified ASTM Method D-1945
SOMA Corporation
Work Order # 0005329B

Two 6L Summa™ Canister samples were received on May 19, 2000. The laboratory performed analysis via Modified ASTM Method D-1945 for Oxygen and Nitrogen using GC/TCD and for Carbon Monoxide, Methane, Carbon Dioxide, Ethane, Propane, Isobutane, Butane, Neopentane, Isopentane, n-Pentane and C6+ Hydrocarbons using GC/FID. The method involves direct injection of the air sample into the GC via a fixed 1.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Since Nitrogen is used to pressurize samples, the reported Nitrogen value is calculated by subtracting out the amount added during pressurization.

Propane and propylene co-elute. Peak is quantitated as propane.

All reported results are normalized to total 100% per ASTM D-1945 protocol.

There were no out of the ordinary circumstances to report.

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- M - Reported value may be biased due to apparent matrix interferences.

AIR TOXICS LTD.

SAMPLE NAME : Hole G11

ID#: 0005329B-01A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3054907	Date of Collection:	5/18/00
Dil. Factor:	1.52	Date of Analysis:	5/19/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.15	22
Nitrogen	0.15	78
Carbon Monoxide	0.0015	0.0018
Methane	0.0015	Not Detected
Carbon Dioxide	0.0015	0.049
Ethane	0.0015	Not Detected
Propane	0.0015	Not Detected
Isobutane	0.0015	Not Detected
Butane	0.0015	Not Detected
Neopentane	0.0015	Not Detected
Isopentane	0.0015	Not Detected
Pentane	0.0015	Not Detected
C6+	0.015	Not Detected

Total BTU/Cu.F. = 0.0057

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : Hole H11

ID#: 0005329B-02A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3051908	Date of Collection:	5/18/00
Dil. Factor:	1.44	Date of Analysis:	5/19/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.14	23
Nitrogen	0.14	77
Carbon Monoxide	0.0014	0.0032
Methane	0.0014	Not Detected
Carbon Dioxide	0.0014	0.048
Ethane	0.0014	Not Detected
Propane	0.0014	Not Detected
Isobutane	0.0014	Not Detected
Butane	0.0014	Not Detected
Neopentane	0.0014	Not Detected
Isopentane	0.0014	Not Detected
Pentane	0.0014	Not Detected
C6+	0.014	Not Detected

Total BTU/Cu.F. = 0.010

Total Sp. Gravity = 1.0

Container Type: 6 Liter Summa Canister

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005329B-03A

Natural Gas Analysis by ASTM D-1945 GC/TCD/FID

File Name:	3051905	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/19/00

Compound	Det. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	100
Carbon Monoxide	0.0010	Not Detected
Methane	0.0010	Not Detected
Carbon Dioxide	0.0010	Not Detected
Ethane	0.0010	Not Detected
Propane	0.0010	Not Detected
Isobutane	0.0010	Not Detected
Butane	0.0010	Not Detected
Neopentane	0.0010	Not Detected
Isopentane	0.0010	Not Detected
Pentane	0.0010	Not Detected
C6+	0.010	Not Detected

Total BTU/Cu.F. = NA
Total Sp. Gravity = NA
Container Type: NA



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

CHAIN-OF-CUSTODY RECORD

No: 026434

Page 1 of 1

Contact Person <u>Naser Paklou</u> Company <u>SOMA Environmental Eng</u> Address <u>2680 Bishop Dr. Suite 203</u> City <u>Sonoma</u> State <u>CA</u> Zip _____ Phone <u>925 244 6600</u> FAX <u>925 244 6601</u> Collected By: Signature <u>[Signature]</u>	Project info: P.O. # <u>2178</u> Project # <u>CBS on site</u> Project Name <u>2178</u>	Turn Around Time: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush <u>24 hr</u> Specify
---	---	--

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum		
				Initial	Final	Receipt
101A	Hole G11	5/18 11:45	TO14	30 1/2"	3.0"	351g
02A	Hole H11	5/18 3:15	TO14	30"	2.0"	204g
						210g
						510g

page 6

Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>05/19/00</u>	Print Name <u>Naser Paklou</u>
Relinquished By: (Signature) _____ Date/Time _____	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00 0700</u>
Relinquished By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00 0840</u>	Received By: (Signature) <u>[Signature]</u> Date/Time <u>5/19/00</u>

Notes:

Lab Use Only	Shipper Name <u>Carrier</u>	Air Bill # _____	Opened By: <u>DF</u>	Date/Time <u>5/19/00 837</u>	Temp. (°C) _____	Condition <u>Good</u>	Custody Seals Intact? <u>Yes</u> No <u>(None)</u> N/A	Work Order # <u>0005329B</u>
--------------	-----------------------------	------------------	----------------------	------------------------------	------------------	-----------------------	---	------------------------------



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

April 14, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0D040184
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 4/4/00.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER G0D040184

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0D040184

The samples in this lot were received at 17 degrees C.

The method blank associated with this sample set has a low Tetrachloro-m-xylene surrogate recovery. This should not have an adverse effect on data quality as all sample surrogate recoveries are within control limits. One of the DCS spike compounds has a slightly high recovery. There is no effect on data quality as all sample results are ND. The effect of a high spike recovery would be a potential high sample bias. This would only be of concern if there were positive results for the associated samples.

There were no other anomalies associated with this project.

**Quanterra - Western Region
Quality Control Definitions**

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary

G0D040184

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DAF6D	1	BACKHOE-1	3/31/00	4/4/00 09:55 AM
DAF6F	2	WEST FENCE-1	3/31/00	4/4/00 09:55 AM
DAF6G	3	EAST FENCE-1	3/31/00	4/4/00 09:55 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: BACKHOE-1

GC Semivolatiles

Lot-Sample #....: GOD040184-001 Work Order #....: DAF6D101 Matrix.....: AIR
Date Sampled....: 03/31/00 Date Received...: 04/04/00
Prep Date.....: 04/04/00 Analysis Date...: 04/05/00
Prep Batch #....: 0103119
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
<u>SURROGATE</u>			
Decachlorobiphenyl	141	(30 - 150)	
Tetrachloro-m-xylene	115	(30 - 150)	

SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCE-1

GC Semivolatiles

Lot-Sample #....: G0D040184-002 Work Order #....: DAF6F101 Matrix.....: AIR
Date Sampled....: 03/31/00 Date Received...: 04/04/00
Prep Date.....: 04/04/00 Analysis Date...: 04/05/00
Prep Batch #....: 0103119
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	146	(30 - 150)
Tetrachloro-m-xylene	121	(30 - 150)

SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: EAST FENCE-1

GC Semivolatiles

Lot-Sample #....: GOD040184-003 Work Order #....: DAF6G101 Matrix.....: AIR
Date Sampled....: 03/31/00 Date Received...: 04/04/00
Prep Date.....: 04/04/00 Analysis Date...: 04/05/00
Prep Batch #....: 0103119
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	144	(30 - 150)
Tetrachloro-m-xylene	125	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0D040184

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0103119	
002	AIR	EPA-2 TO-10		0103119	
003	AIR	EPA-2 TO-10		0103119	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: GOD040184
MB Lot-Sample #: GOD120000-119

Work Order #...: DAQR6101

Matrix.....: AIR

Analysis Date...: 04/05/00
Dilution Factor: 1

Prep Date.....: 04/04/00

Prep Batch #...: 0103119

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
Decachlorobiphenyl	94	(30 - 150)		
Tetrachloro-m-xylene	23 *	(30 - 150)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.



LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G0D040184 Work Order #...: DAQR6102-LCS Matrix.....: AIR
LCS Lot-Sample#: G0D120000-119 DAQR6103-LCSD
Prep Date.....: 04/04/00 Analysis Date...: 04/05/00
Prep Batch #...: 0103119
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.69	ug	134		EPA-2 TO-10
	2.00	2.57	ug	128	4.6	EPA-2 TO-10
Aroclor 1260	2.00	2.84 a	ug	142		EPA-2 TO-10
	2.00	2.79	ug	140	1.6	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	146	(30 - 150)
	145	(30 - 150)
Tetrachloro-m-xylene	122	(30 - 150)
	117	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: GOD040184 Work Order #...: DAQR6102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD120000-119 DAQR6103-LCSD
 Prep Date.....: 04/04/00 Analysis Date...: 04/05/00
 Prep Batch #...: 0103119
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	134	(60 - 140)			EPA-2 TO-10
	128	(60 - 140)	4.6	(0-50)	EPA-2 TO-10
Aroclor 1260	142 a	(60 - 140)			EPA-2 TO-10
	140	(60 - 140)	1.6	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	146	(30 - 150)
	145	(30 - 150)
Tetrachloro-m-xylene	122	(30 - 150)
	117	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

April 21, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0D110155
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 4/11/00.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld". The signature is fluid and cursive.

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER GOD110155

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0D110155

AIR, TO-10, PCBs

The samples in this lot were received at 2 degrees C.

There were no other anomalies associated with this project.

**Quanterra - Western Region
Quality Control Definitions**

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary G0D110155

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DAPTT	1	W.F. L-2	4/7/00 03:20 PM	4/11/00 09:45 AM
DAPTW	2	E.F. L-2	4/7/00 03:30 PM	4/11/00 09:45 AM
DAPTX	3	G 0-1	4/7/00 03:40 PM	4/11/00 09:45 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

Chain of Custody Record



QUA-4124 0797

Client SOMA Env. Eng.			Project Manager Mansour Sepehr		Date 4/10/00	Chain of Custody Number 16160	
Address 2680 Bishop Dr.			Telephone Number (Area Code)/Fax Number 925 244 6600 Fax 925 244 6601		Lab Number		Page 1 of 1
City San Ramon	State CA	Zip Code 94583	Site Contact Naser Pakioui	Lab Contact		Analysis (Attach list if more space is needed)	
Project Name 2178 CBS on-site			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt		
Contract/Purchase Order/Quote No.							

Sample I.D. No. and Description <i>(Containers for each sample may be combined on one line)</i>	Date	Time	Matrix				Containers & Preservatives						PCBS			
			Aspirate	Gas	Soil	Air	Unpres.	MESDA	MMS	MCI	MCH	ZnAc2		NaOH		
W.F.L-2	4/7/00	3:20				<input checked="" type="checkbox"/>										
E.F.L-2	4/7/00	3:30				<input checked="" type="checkbox"/>										
G.O-1	4/7/00	3:40				<input checked="" type="checkbox"/>										

*Cold
2°C*

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months <small>(A fee may be assessed if samples are retained longer than 3 months)</small>		
Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other 3 days			QC Requirements (Specify)		
1. Relinquished By Soyce Bobek			Date 4/10/00	Time 2:00pm	1. Received By [Signature]
2. Relinquished By			Date	Time	2. Received By [Signature]
3. Relinquished By			Date	Time	3. Received By
Comments					

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: W.F. L-2

GC Semivolatiles

Lot-Sample #....: GOD110155-001 Work Order #....: DAPTT101 Matrix.....: AIR
Date Sampled....: 04/07/00 Date Received...: 04/11/00
Prep Date.....: 04/11/00 Analysis Date...: 04/13/00
Prep Batch #....: 0102258
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	104	(30 - 150)
Tetrachloro-m-xylene	75	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: E.F. L-2

GC Semivolatiles

Lot-Sample #....: GOD110155-002 Work Order #....: DAPTW101 Matrix.....: AIR
Date Sampled....: 04/07/00 Date Received...: 04/11/00
Prep Date.....: 04/11/00 Analysis Date...: 04/13/00
Prep Batch #....: 0102258
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	103	(30 - 150)
Tetrachloro-m-xylene	85	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: G 0-1

GC Semivolatiles

Lot-Sample #....: GOD110155-003 Work Order #....: DAPTX101 Matrix.....: AIR
Date Sampled....: 04/07/00 Date Received...: 04/11/00
Prep Date.....: 04/11/00 Analysis Date...: 04/13/00
Prep Batch #....: 0102258
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
Tetrachloro-m-xylene	87	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0D110155

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0102258	
002	AIR	EPA-2 TO-10		0102258	
003	AIR	EPA-2 TO-10		0102258	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: GOD110155
MB Lot-Sample #: GOD110000-258

Work Order #...: DAQ19101

Matrix.....: AIR

Analysis Date...: 04/13/00
Dilution Factor: 1

Prep Date.....: 04/11/00
Prep Batch #...: 0102258

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Decachlorobiphenyl	108	(30 - 150)		
Tetrachloro-m-xylene	98	(30 - 150)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: GOD110155 Work Order #....: DAQ19102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD110000-258 DAQ19103-LCSD
 Prep Date.....: 04/11/00 Analysis Date...: 04/13/00
 Prep Batch #...: 0102258
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	1.99	ug	100		EPA-2 TO-10
	2.00	2.00	ug	100	0.34	EPA-2 TO-10
Aroclor 1260	2.00	2.10	ug	105		EPA-2 TO-10
	2.00	2.27	ug	114	7.8	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	107	(30 - 150)
	108	(30 - 150)
Tetrachloro-m-xylene	100	(30 - 150)
	97	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: GOD110155 Work Order #....: DAQ19102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD110000-258 DAQ19103-LCSD
 Prep Date.....: 04/11/00 Analysis Date...: 04/13/00
 Prep Batch #....: 0102258
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	100	(60 - 140)			EPA-2 TO-10
	100	(60 - 140)	0.34	(0-50)	EPA-2 TO-10
Aroclor 1260	105	(60 - 140)			EPA-2 TO-10
	114	(60 - 140)	7.8	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	107	(30 - 150)
	108	(30 - 150)
Tetrachloro-m-xylene	100	(30 - 150)
	97	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

April 26, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0D210214
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 4/21/00. These samples are associated with your 2178 project.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert Weidenfeld".

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER G0D210214

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0D210214

AIR, TO-10, PCBs

The samples in this lot were received at 16 degrees C.

There were no other anomalies associated with this project.

**Quanterra - Western Region
Quality Control Definitions**

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary

G0D210214

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DC9M8	1	WEST FENCELINE	4/20/00 03:25 PM	4/21/00 10:00 AM
DC9MA	2	EAST FENCELINE	4/20/00 03:30 PM	4/21/00 10:00 AM
DC9MC	3	LOADER DRIVER	4/20/00 03:35 PM	4/21/00 10:00 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

Chain of Custody Record



QUA-412A 0797

Client: **SOMA Env. Eng.** Project Manager: **Mansour Sepehr** Date: **4/20/2000** Chain of Custody Number: **16160**
 Address: **2680 Bishop Dr Suite 203** Telephone Number (Area Code)/Fax Number: **925 2446600** Lab Number: _____ Page **1** of **1**
 City: **San Ramon** State: **CA** Zip Code: _____ Site Contact: **Naser Pakiou** Lab Contact: _____

Project Name: **CBS on-SIT 2178** Analysis (Attach list if more space is needed):
 Contract/Purchase Order/Quote No.: _____ Carrier/Waybill Number: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Special Instructions/ Conditions of Receipt		
			Asphal	Soil	Sed	Slur	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NEOH			
West Fence line	4/20/00	3:25				✓									PCBS ✓ ✓ ✓	
East Fence line	4/20/00	3:30				✓										
Loader Driver	4/20/00	3:35				✓										

RECEIVED IN GOOD
 UNDER CUC
 APR 21 2000
 INT: *MP*

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **3 days**
 QC Requirements (Specify): _____

1. Relinquished By: Naser Pakiou	Date: 4/20/00	Time: 3:40	1. Received By: <i>[Signature]</i>	Date: 4/20/00	Time: 12:30
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: _____

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCELINE

GC Semivolatiles

Lot-Sample #....: GOD210214-001 Work Order #....: DC9M8101 Matrix.....: AIR
Date Sampled....: 04/20/00 Date Received...: 04/21/00
Prep Date.....: 04/22/00 Analysis Date...: 04/24/00
Prep Batch #....: 0113162
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	89	(30 - 150)
Tetrachloro-m-xylene	71	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: EAST FENCELINE

GC Semivolatiles

Lot-Sample #....: G0D210214-002 Work Order #....: DC9MA101 Matrix.....: AIR
Date Sampled....: 04/20/00 Date Received...: 04/21/00
Prep Date.....: 04/22/00 Analysis Date...: 04/24/00
Prep Batch #....: 0113162
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	88	(30 - 150)
Tetrachloro-m-xylene	73	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LOADER DRIVER

GC Semivolatiles

Lot-Sample #....: GOD210214-003 Work Order #....: DC9MC101 Matrix.....: AIR
Date Sampled....: 04/20/00 Date Received...: 04/21/00
Prep Date.....: 04/22/00 Analysis Date...: 04/24/00
Prep Batch #....: 0113162
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	58	(30 - 150)
Tetrachloro-m-xylene	79	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0D210214

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0113162	
002	AIR	EPA-2 TO-10		0113162	
003	AIR	EPA-2 TO-10		0113162	

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: GOD210214 Work Order #...: DCAJ8102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD220000-162 DCAJ8103-LCSD
 Prep Date.....: 04/22/00 Analysis Date...: 04/24/00
 Prep Batch #...: 0113162
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	1.81	ug	90		EPA-2 TO-10
	2.00	2.14	ug	107	17	EPA-2 TO-10
Aroclor 1260	2.00	1.98	ug	99		EPA-2 TO-10
	2.00	2.13	ug	107	7.6	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	94	(30 - 150)
	101	(30 - 150)
Tetrachloro-m-xylene	78	(30 - 150)
	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: GOD210214 Work Order #...: DCAJ8102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD220000-162 DCAJ8103-LCSD
 Prep Date.....: 04/22/00 Analysis Date...: 04/24/00
 Prep Batch #...: 0113162
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	90	(60 - 140)			EPA-2 TO-10
	107	(60 - 140)	17	(0-50)	EPA-2 TO-10
Aroclor 1260	99	(60 - 140)			EPA-2 TO-10
	107	(60 - 140)	7.6	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	94	(30 - 150)
	101	(30 - 150)
Tetrachloro-m-xylene	78	(30 - 150)
	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

May 8, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0D270218
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 4/27/00. These samples are associated with your 2178 project.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld". The signature is fluid and cursive, written over a white background.

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS**QUANTERRA INCORPORATED PROJECT NUMBER G0D270218**

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0D270218

AIR, TO-10, PCBs

The samples in this lot were received at 4 degrees C.

There were no other anomalies associated with this project.

Quanterra - Western Region
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary

G0D270218

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DCGGP	1	WEST FENCELINE	4/25/00 04:15 PM	4/27/00 09:10 AM
DCGGR	2	EAST FENCELINE	4/25/00 04:20 PM	4/27/00 09:10 AM
DCGGV	3	LOADER DRIVER	4/25/00 04:15 PM	4/27/00 09:10 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

APR. 25. 2000 4:37PM P 1
 PHONE NO. : 510 244 6601

Chain of Custody Record



QUA-4124 8702

Client: **SOMA Env. Engineering** Project Manager: **Mansour Sepehr** Date: **4/25/00** Chain of Custody Number: **16160**
 Address: **2680 Bishop Dr. Suite 203** Telephone Number (Area Code)/Fax Number: **925 244 6600** Lab Number: _____
 City: **San Ramon** State: **CA** Zip Code: _____ Site Contact: _____ Lab Contact: _____ Page: **1** of **1**

Project Name: **CBS on-site 2178**
 Contract/Purchase Order/Quote No.: **Naser Pakrou**

Sample I.D. No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Asph	Soil	Sed	SL	Urbana	MSCOC	PMDS	MS	MSCH	2000	2000			MSCH
West Fence Line	4/25	4:15														Rec'd in good condition 04/27/00
East Fence Line	4/25	4:20														
Loader Drive	4/25	4:15														

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 6 months)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify): _____

1. Relinquished By: Naser Pakrou	Date: 4/25/00	Time: 5:00	1. Received By: Mansour Sepehr	Date: 04/27/00	Time: 10:00
2. Relinquished By: _____	Date: _____	Time: _____	2. Received By: _____	Date: _____	Time: _____
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FROM : SOMA ENVIRONMENTAL ENGINEERING

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCELINE

GC Semivolatiles

Lot-Sample #....: GOD270218-001 Work Order #....: DCGGP101 Matrix.....: AIR
Date Sampled....: 04/25/00 Date Received...: 04/27/00
Prep Date.....: 04/27/00 Analysis Date...: 05/02/00
Prep Batch #....: 0118380
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	90	(30 - 150)
Tetrachloro-m-xylene	75	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: EAST FENCELINE

GC Semivolatiles

Lot-Sample #....: GOD270218-002 Work Order #....: DCGGR101 Matrix.....: AIR
Date Sampled....: 04/25/00 Date Received...: 04/27/00
Prep Date.....: 04/27/00 Analysis Date...: 05/02/00
Prep Batch #....: 0118380
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	96	(30 - 150)
Tetrachloro-m-xylene	79	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LOADER DRIVER

GC Semivolatiles

Lot-Sample #....: GOD270218-003 Work Order #....: DCGGV101 Matrix.....: AIR
Date Sampled....: 04/25/00 Date Received...: 04/27/00
Prep Date.....: 04/27/00 Analysis Date...: 05/02/00
Prep Batch #....: 0118380
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	80	(30 - 150)
Tetrachloro-m-xylene	96	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0D270218

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0118380	
002	AIR	EPA-2 TO-10		0118380	
003	AIR	EPA-2 TO-10		0118380	

METHOD BLANK REPORT**GC Semivolatiles**

Client Lot #...: GOD270218
MB Lot-Sample #: GOD270000-380

Work Order #...: DCGQR101

Matrix.....: AIR

Analysis Date...: 05/02/00
Dilution Factor: 1

Prep Date.....: 04/27/00

Prep Batch #...: 0118380

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
Tetrachloro-m-xylene	101	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: GOD270218 Work Order #....: DCGQR102-LCS Matrix.....: AIR
LCS Lot-Sample#: GOD270000-380 DCGQR103-LCSD
Prep Date.....: 04/27/00 Analysis Date...: 05/02/00
Prep Batch #....: 0118380
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.19	ug	109		EPA-2 TO-10
	2.00	2.14	ug	107	2.2	EPA-2 TO-10
Aroclor 1260	2.00	2.13	ug	107		EPA-2 TO-10
	2.00	2.23	ug	112	4.7	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
	104	(30 - 150)
Tetrachloro-m-xylene	101	(30 - 150)
	84	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: GOD270218 Work Order #...: DCGQR102-LCS Matrix.....: AIR
 LCS Lot-Sample#: GOD270000-380 DCGQR103-LCSD
 Prep Date.....: 04/27/00 Analysis Date...: 05/02/00
 Prep Batch #...: 0118380
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	109	(60 - 140)			EPA-2 TO-10
	107	(60 - 140)	2.2	(0-50)	EPA-2 TO-10
Aroclor 1260	107	(60 - 140)			EPA-2 TO-10
	112	(60 - 140)	4.7	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
	104	(30 - 150)
Tetrachloro-m-xylene	101	(30 - 150)
	84	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

May 10, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0E030283
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 5/3/00. These samples are associated with your 2178 project.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld".

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER G0E030283

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3, 4, 5, 6

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0E030283

AIR, TO-10, PCBs

The samples in this lot were received at 4 degrees C..

There were no other anomalies associated with this project.

Quanterra - Western Region
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary

G0E030283

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DCPMA	1	EAST FENCELINE	4/27/00 04:10 PM	5/3/00 09:55 AM
DCPMC	2	WEST FENCELINE	4/27/00 04:05 PM	5/3/00 09:55 AM
DCPMD	3	LEADER DRIVER	4/27/00 04:15 PM	5/3/00 09:55 AM
DCPME	4	LEADER DRIVER	5/1/00 04:47 AM	5/3/00 09:55 AM
DCPMG	5	WEST FENCELINE	5/1/00 04:40 AM	5/3/00 09:55 AM
DCPMH	6	LEADER DRIVER	5/1/00 04:45 AM	5/3/00 09:55 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

Chain of Custody Record



QIA-4124 6787

Client: **SOMA Env. Eng.** Project Manager: _____ Date: _____ Chain of Custody Number: **16160**
 Address: **2680 Bishop Drive Suite 203** Telephone Number (Area Code): _____ Fax Number: _____ Lab Number: _____
 City: **San Ramon** State: **CA** Zip Code: _____ Site Contact: _____ Lab Contact: _____ Page **1** of **1**

Project Name: **CB3 on-site**
 Contract/Purchase Order/Quote No.: _____

Sample I.D. No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Asph	Sox	Org	PCB	Unpres	Acetate	PCES	MC	MGH	2-BA			MGH
East Fence line	4/27	4:10				✓								PCBS ✓ ✓ ✓ ✓ ✓ ✓	
West Fence line	4/27	4:05				✓									
Leader Driver	4/27	4:15				✓									
East Fence line	5/1	4:47				✓									
West Fence line	5/1	4:40				✓									
Leader Driver	5/1	4:45				✓									

RECEIVED IN GOOD CONDITION UNDER COC
 MAY 3 2000
 NI:

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown
 Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months
 Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____
(A fee may be assessed if samples are retained longer than 3 months)

QC Requirements (Specify): _____

1. Relinquished By:	Date: 5/1/00	Time: 5:00	1. Received By:	Date: 5-30-00	Time: 10:55
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: _____
 DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

APR. 25. 2000 4:37PM P 1
 PHONE NO. : 510 244 6601

FROM : SOMA ENVIRONMENTAL ENGINEERING

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: EAST FENCELINE

GC Semivolatiles

Lot-Sample #....: G0E030283-001 Work Order #....: DCPMA101 Matrix.....: AIR
Date Sampled....: 04/27/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
	<u>RECOVERY</u>	<u>LIMITS</u>	
Decachlorobiphenyl	99	(30 - 150)	
Tetrachloro-m-xylene	106	(30 - 150)	



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCELINE

GC Semivolatiles

Lot-Sample #...: G0E030283-002 Work Order #...: DCPMC101 Matrix.....: AIR
Date Sampled...: 04/27/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #...: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	106	(30 - 150)
Tetrachloro-m-xylene	90	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADER DRIVER

GC Semivolatiles

Lot-Sample #....: G0E030283-003 Work Order #....: DCPMD101 Matrix.....: AIR
Date Sampled....: 04/27/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	91	(30 - 150)
Tetrachloro-m-xylene	100	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADER DRIVER

GC Semivolatiles

Lot-Sample #....: G0E030283-004 Work Order #....: DCPME101 Matrix.....: AIR
Date Sampled....: 05/01/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	102	(30 - 150)
Tetrachloro-m-xylene	98	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCELINE

GC Semivolatiles

Lot-Sample #....: G0E030283-005 Work Order #....: DCPMG101 Matrix.....: AIR
Date Sampled...: 05/01/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
Tetrachloro-m-xylene	98	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADER DRIVER

GC Semivolatiles

Lot-Sample #....: G0E030283-006 Work Order #....: DCPMH101 Matrix.....: AIR
Date Sampled...: 05/01/00 Date Received...: 05/03/00
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	92	(30 - 150)
Tetrachloro-m-xylene	92	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0E030283

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0125246	
002	AIR	EPA-2 TO-10		0125246	
003	AIR	EPA-2 TO-10		0125246	
004	AIR	EPA-2 TO-10		0125246	
005	AIR	EPA-2 TO-10		0125246	
006	AIR	EPA-2 TO-10		0125246	



METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: G0E030283
MB Lot-Sample #: G0E040000-246

Work Order #....: DCQCC101

Matrix.....: AIR

Analysis Date...: 05/05/00
Dilution Factor: 1

Prep Date.....: 05/04/00

Prep Batch #....: 0125246

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Decachlorobiphenyl	98	(30 - 150)		
Tetrachloro-m-xylene	106	(30 - 150)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT
GC Semivolatiles

Client Lot #...: G0E030283 **Work Order #...**: DCQCC102-LCS **Matrix.....**: AIR
LCS Lot-Sample#: G0E040000-246 DCQCC103-LCSD
Prep Date.....: 05/04/00 **Analysis Date...**: 05/05/00
Prep Batch #...: 0125246
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.22	ug	111		EPA-2 TO-10
	2.00	2.30	ug	115	3.7	EPA-2 TO-10
Aroclor 1260	2.00	2.17	ug	108		EPA-2 TO-10
	2.00	2.26	ug	113	4.1	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
	104	(30 - 150)
Tetrachloro-m-xylene	102	(30 - 150)
	109	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: G0E030283 Work Order #....: DCQCC102-LCS Matrix.....: AIR
LCS Lot-Sample#: G0E040000-246 DCQCC103-LCSD
Prep Date.....: 05/04/00 Analysis Date...: 05/05/00
Prep Batch #....: 0125246
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	111	(60 - 140)			EPA-2 TO-10
	115	(60 - 140)	3.7	(0-50)	EPA-2 TO-10
Aroclor 1260	108	(60 - 140)			EPA-2 TO-10
	113	(60 - 140)	4.1	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
	104	(30 - 150)
Tetrachloro-m-xylene	102	(30 - 150)
	109	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

May 31, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0E180348
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 5/18/00.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld". The signature is fluid and cursive.

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS**QUANTERRA INCORPORATED PROJECT NUMBER G0E180348**

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

CASE NARRATIVE

QUANTERRA INCORPORATED PROJECT NUMBER G0E180348

The samples in this lot were received at 3 degrees C.

There were no anomalies associated with this project.

Quanterra - Western Region
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003, Rev. 0, 8/19/96.

Sample Summary

G0E180348

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DDE7G	1	WEST FENCELINE	5/12/00 02:35 PM	5/18/00 09:55 AM
DDE7H	2	LEADER OPERATOR	5/12/00 02:30 PM	5/18/00 09:55 AM
DDE7J	3	NORTH OF EXCLUSION ZONE	5/12/00 02:40 PM	5/18/00 09:55 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

Chain of Custody Record



QUA-4124 0107

Client: **SOMA Env. Eng.** Project Manager: **Mansour Zepher** Date: **5/16/00** Chain of Custody Number: **16160**

Address: **2680 Bishop Dr. Suite 203** Telephone Number (Area Code): **925 244 6600** Lab Number: _____

City: **San Ramon** State: **CA** Zip Code: _____ Site Contact: **Naser Paklou** Lab Contact: _____

Project Name: **Proj 2178 CBS on-site** Carriage/Vehicle Number: _____

Page **1** of **1**

Sample ID, No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt	
			Asph	Soil	Slur	SL	Unpres	MEQ	HNCS	MEI	MECH	ZnAc			NaOH
West Fence line	5/12/00	2:35												CBS ✓ ✓ ✓	good f NS-18-00
Leach Operated	5/12/00	2:30													
North of Exclusion Zone	5/12/00	2:40													

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Dispose By Lab Archive For _____ Months

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify): _____

1. Relinquished By: Patric A. Hillier	Date: 5/16/00 Time: 3 PM	1. Received By: [Signature]	Date: 5-16-00 Time: 1400
2. Relinquished By: _____	Date: _____ Time: _____	2. Received By: _____	Date: _____ Time: _____
3. Relinquished By: _____	Date: _____ Time: _____	3. Received By: _____	Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

APR. 25. 2000 4:37PM P 1
PHONE NO. : 510 244 6601

FROM : SOMA ENVIRONMENTAL ENGINEERING

AIR, TO-10, PCBs



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: WEST FENCELINE

GC Semivolatiles

Lot-Sample #....: G0E180348-001 Work Order #....: DDE7G101 Matrix.....: AIR
Date Sampled....: 05/12/00 Date Received...: 05/18/00
Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
Prep Batch #....: 0140140
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	100	(30 - 150)
Tetrachloro-m-xylene	79	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADER OPERATOR

GC Semivolatiles

Lot-Sample #....: G0E180348-002 Work Order #....: DDE7H101 Matrix.....: AIR
Date Sampled....: 05/12/00 Date Received...: 05/18/00
Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
Prep Batch #....: 0140140
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	98	(30 - 150)
Tetrachloro-m-xylene	73	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: NORTH OF EXCLUSION ZONE

GC Semivolatiles

Lot-Sample #....: G0E180348-003 Work Order #....: DDE7J101 Matrix.....: AIR
Date Sampled....: 05/12/00 Date Received...: 05/18/00
Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
Prep Batch #....: 0140140
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	98	(30 - 150)
Tetrachloro-m-xylene	80	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0E180348

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0140140	
002	AIR	EPA-2 TO-10		0140140	
003	AIR	EPA-2 TO-10		0140140	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G0E180348
MB Lot-Sample #: G0E190000-140

Work Order #...: DDEEG101

Matrix.....: AIR

Analysis Date...: 05/22/00
Dilution Factor: 1Prep Date.....: 05/18/00
Prep Batch #...: 0140140

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
Decachlorobiphenyl	97	(30 - 150)		
Tetrachloro-m-xylene	94	(30 - 150)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: G0E180348 Work Order #....: DDEEG102-LCS Matrix.....: AIR
 LCS Lot-Sample#: G0E190000-140 DDEEG103-LCSD
 Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
 Prep Batch #....: 0140140
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.12	ug	106		EPA-2 TO-10
	2.00	2.05	ug	103	3.1	EPA-2 TO-10
Aroclor 1260	2.00	2.14	ug	107		EPA-2 TO-10
	2.00	2.09	ug	105	2.2	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
	98	(30 - 150)
Tetrachloro-m-xylene	97	(30 - 150)
	95	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT
GC Semivolatiles

Client Lot #....: G0E180348 Work Order #....: DDEEG102-LCS Matrix.....: AIR
 LCS Lot-Sample#: G0E190000-140 DDEEG103-LCSD
 Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
 Prep Batch #....: 0140140
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	106	(60 - 140)			EPA-2 TO-10
	103	(60 - 140)	3.1	(0-50)	EPA-2 TO-10
Aroclor 1260	107	(60 - 140)			EPA-2 TO-10
	105	(60 - 140)	2.2	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
	98	(30 - 150)
Tetrachloro-m-xylene	97	(30 - 150)
	95	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G0E180348
 MB Lot-Sample #: G0E190000-140

Work Order #...: DDEEG101

Matrix.....: AIR

Analysis Date...: 05/22/00
 Dilution Factor: 1

Prep Date.....: 05/18/00
 Prep Batch #...: 0140140

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Decachlorobiphenyl	97	(30 - 150)
Tetrachloro-m-xylene	94	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G0E180348 Work Order #...: DDEEG102-LCS Matrix.....: AIR
 LCS Lot-Sample#: G0E190000-140 DDEEG103-LCSD
 Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
 Prep Batch #...: 0140140
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.12	ug	106		EPA-2 TO-10
	2.00	2.05	ug	103	3.1	EPA-2 TO-10
Aroclor 1260	2.00	2.14	ug	107		EPA-2 TO-10
	2.00	2.09	ug	105	2.2	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
	98	(30 - 150)
Tetrachloro-m-xylene	97	(30 - 150)
	95	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: GOE180348 Work Order #...: DDEEG102-LCS Matrix.....: AIR
LCS Lot-Sample#: GOE190000-140 DDEEG103-LCSD
Prep Date.....: 05/18/00 Analysis Date...: 05/22/00
Prep Batch #...: 0140140
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	106	(60 - 140)			EPA-2 TO-10
	103	(60 - 140)	3.1	(0-50)	EPA-2 TO-10
Aroclor 1260	107	(60 - 140)			EPA-2 TO-10
	105	(60 - 140)	2.2	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	101	(30 - 150)
	98	(30 - 150)
Tetrachloro-m-xylene	97	(30 - 150)
	95	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



Quanterra
880 Riverside Parkway
West Sacramento, California 95605-1500

916 373-5600 Telephone
916 372-1059 Fax

May 31, 2000

QUANTERRA INCORPORATED PROJECT NUMBER: G0E240307
PO/CONTRACT:

Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Drive
Suite 203
San Ramon, CA 94583

Dear Mr. Sepehr,

This report contains the analytical results for the samples received under chain of custody by Quanterra Incorporated on 5/24/00.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916)374-4333.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Weidenfeld".

Robert Weidenfeld
Project Manager

TABLE OF CONTENTS

QUANTERRA INCORPORATED PROJECT NUMBER G0E240307

Case Narrative

Quanterra's Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, TO-10, PCBs

Performed at Quanterra - West Sacramento

Samples: 1, 2, 3, 4

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

CASE NARRATIVE**QUANTERRA INCORPORATED PROJECT NUMBER G0E240307**

The samples in this lot were received at 6 degrees C.

There were no anomalies associated with this project.

Quanterra - Western Region
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Sample Summary

G0E240307

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
DDN42	1	EAST FENCE E.2	5/18/00 03:30 PM	5/24/00 09:50 AM
DDN44	2	NORTH FENCE E.2	5/18/00 03:30 PM	5/24/00 09:50 AM
DDN45	3	LEADER OPERATER	5/22/00 05:30 PM	5/24/00 09:50 AM
DDN46	4	LEADING STATION	5/22/00 05:30 PM	5/24/00 09:50 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

AIR, TO-10, PCBs

Chain of Custody Record



DNA-1124 6787

Client SOMA Env. Eng.		Project Manager Mansou Zafar		Date 5/22/00	Chain of Custody Number 16160
Address 2680 Bishop Dr. Suite 203		Telephone Number (Area Code)/Fax Number		Lab Number	Page <u>1</u> of <u>1</u>
City San Ramon	State CA	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Project Name 2178 CBS on-site			Contract/Jobbill Number		

Sample I.D. No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Matrix			Containers & Preservatives							Special Instructions/ Conditions of Receipt	
			Asph	Soil	Slur	Urea	MUSCO	FRUCS	NER	MECH	Zinc	Amph		
East Fence E.2.	5/18/00	3:30			✓									good ↓ at 5-24-00
North Fence E.2	5/18/00	3:30			✓									
Leader Operator	5/22/00	5:30			✓									
Loading Station	5/22/00	5:30			✓									

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A lab may be assessed if samples are retained longer than 90 months)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify)

1. Relinquished By Rafiq An. Sultan	Date 5/23/00	Time 1:00	1. Received By [Signature]	Date 5/24/00	Time 1045
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

AFR. 25. 2000 4:37PM P 1
 PHONE NO. : 510 244 6601
 FROM : SOMA ENVIRONMENTAL ENGINEERING



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: EAST FENCE E.2

GC Semivolatiles

Lot-Sample #....: G0E240307-001 Work Order #....: DDN42101 Matrix.....: AIR
Date Sampled....: 05/18/00 Date Received...: 05/24/00
Prep Date.....: 05/24/00 Analysis Date...: 05/25/00
Prep Batch #....: 0146343
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	104	(30 - 150)
Tetrachloro-m-xylene	82	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: NORTH FENCE E.2

GC Semivolatiles

Lot-Sample #....: G0E240307-002 Work Order #....: DDN44101 Matrix.....: AIR
Date Sampled....: 05/18/00 Date Received...: 05/24/00
Prep Date.....: 05/24/00 Analysis Date...: 05/25/00
Prep Batch #....: 0146343
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	3.9	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	107	(30 - 150)
Tetrachloro-m-xylene	89	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADER OPERATER

GC Semivolatiles

Lot-Sample #....: G0E240307-003 Work Order #....: DDN45101 Matrix.....: AIR
Date Sampled....: 05/22/00 Date Received...: 05/24/00
Prep Date.....: 05/24/00 Analysis Date...: 05/25/00
Prep Batch #....: 0146343
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	109	(30 - 150)
Tetrachloro-m-xylene	84	(30 - 150)



SOMA ENVIRONMENTAL ENGINEERING INC

Client Sample ID: LEADING STATION

GC Semivolatiles

Lot-Sample #....: G0E240307-004 Work Order #....: DDN46101 Matrix.....: AIR
Date Sampled....: 05/22/00 Date Received...: 05/24/00
Prep Date.....: 05/24/00 Analysis Date...: 05/25/00
Prep Batch #....: 0146343
Dilution Factor: 1 Method.....: EPA-2 TO-10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.75	ug
Aroclor 1221	ND	0.75	ug
Aroclor 1232	ND	0.75	ug
Aroclor 1242	ND	0.75	ug
Aroclor 1248	ND	0.75	ug
Aroclor 1254	ND	0.75	ug
Aroclor 1260	ND	0.75	ug

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	97	(30 - 150)
Tetrachloro-m-xylene	89	(30 - 150)

QC DATA ASSOCIATION SUMMARY

G0E240307

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	EPA-2 TO-10		0146343	
002	AIR	EPA-2 TO-10		0146343	
003	AIR	EPA-2 TO-10		0146343	
004	AIR	EPA-2 TO-10		0146343	

METHOD BLANK REPORT**GC Semivolatiles**

Client Lot #...: G0E240307
MB Lot-Sample #: G0E250000-343

Work Order #....: DDPJJ101

Matrix.....: AIR

Analysis Date...: 05/25/00
Dilution Factor: 1

Prep Date.....: 05/24/00
Prep Batch #....: 0146343

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Aroclor 1016	ND	0.75	ug	EPA-2 TO-10
Aroclor 1221	ND	0.75	ug	EPA-2 TO-10
Aroclor 1232	ND	0.75	ug	EPA-2 TO-10
Aroclor 1242	ND	0.75	ug	EPA-2 TO-10
Aroclor 1248	ND	0.75	ug	EPA-2 TO-10
Aroclor 1254	ND	0.75	ug	EPA-2 TO-10
Aroclor 1260	ND	0.75	ug	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	105	(30 - 150)
Tetrachloro-m-xylene	102	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT
GC Semivolatiles

Client Lot #...: G0E240307 **Work Order #...**: DDPJJ102-LCS **Matrix.....**: AIR
LCS Lot-Sample#: G0E250000-343 DDPJJ103-LCSD
Prep Date.....: 05/24/00 **Analysis Date...:** 05/25/00
Prep Batch #...: 0146343
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Aroclor 1016	2.00	2.12	ug	106		EPA-2 TO-10
	2.00	1.98	ug	99	6.5	EPA-2 TO-10
Aroclor 1260	2.00	2.34	ug	117		EPA-2 TO-10
	2.00	2.19	ug	110	6.6	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	113	(30 - 150)
	108	(30 - 150)
Tetrachloro-m-xylene	98	(30 - 150)
	90	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: G0E240307 Work Order #....: DDPJJ102-LCS Matrix.....: AIR
 LCS Lot-Sample#: G0E250000-343 DDPJJ103-LCSD
 Prep Date.....: 05/24/00 Analysis Date...: 05/25/00
 Prep Batch #....: 0146343
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Aroclor 1016	106	(60 - 140)			EPA-2 TO-10
	99	(60 - 140)	6.5	(0-50)	EPA-2 TO-10
Aroclor 1260	117	(60 - 140)			EPA-2 TO-10
	110	(60 - 140)	6.6	(0-50)	EPA-2 TO-10

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	113	(30 - 150)
	108	(30 - 150)
Tetrachloro-m-xylene	98	(30 - 150)
	90	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
31-Mar-00	Backhoe Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
7-Apr-00	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	Grador Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)	
20-Apr-00	West Fenceline	Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND		
	East Fenceline	Aroclor 1016	0.75	ND	
		Aroclor 1221	0.75	ND	
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		Loader Operator	Aroclor 1016	0.75	ND
Aroclor 1221			0.75	ND	
Aroclor 1232	0.75		ND		
Aroclor 1242	0.75		ND		
Aroclor 1248	0.75		ND		
Aroclor 1254	0.75		ND		
Aroclor 1260	0.75		ND		
25-Apr-00	West Fenceline		Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND	
		Aroclor 1242	0.75	ND	
		Aroclor 1248	0.75	ND	
		Aroclor 1254	0.75	ND	
		Aroclor 1260	0.75	ND	
		East Fenceline	Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
	Aroclor 1232		0.75	ND	
	Aroclor 1242		0.75	ND	
	Aroclor 1248		0.75	ND	
	Aroclor 1254		0.75	ND	
	Aroclor 1260		0.75	ND	
	Loader Operator		Aroclor 1016	0.75	ND
			Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
27-Apr-00		Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
Loader Operator	Aroclor 1016	0.75	ND	
	Aroclor 1221	0.75	ND	
	Aroclor 1232	0.75	ND	
	Aroclor 1242	0.75	ND	
	Aroclor 1248	0.75	ND	
	Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND	
1-May-00		Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
West Fenceline	Aroclor 1016	0.75	ND	
	Aroclor 1221	0.75	ND	
	Aroclor 1232	0.75	ND	
	Aroclor 1242	0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
12-May-00	Loader Operator	Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
		Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
	Aroclor 1260	0.75	ND	
	West Fenceline	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
Aroclor 1260		0.75	ND	
Loader Operator	Aroclor 1016	0.75	ND	
	Aroclor 1221	0.75	ND	
	Aroclor 1232	0.75	ND	
	Aroclor 1242	0.75	ND	
	Aroclor 1248	0.75	ND	
	Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND	
18-May-00	North of Excl. Zone	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	East Fence	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
North Fence	Aroclor 1242	0.75	ND	
	Aroclor 1248	0.75	ND	
	Aroclor 1254	0.75	ND	
	Aroclor 1260	0.75	ND	

Table-1
Summary of Air Quality Analysis
EPA Method TO-10/8082
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
22-May-00	Loader Operator	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND
	Loading Station	Aroclor 1016	0.75	ND
		Aroclor 1221	0.75	ND
		Aroclor 1232	0.75	ND
		Aroclor 1242	0.75	ND
		Aroclor 1248	0.75	ND
		Aroclor 1254	0.75	ND
		Aroclor 1260	0.75	ND

Table-2
Air Quality Analysis Using Summa Canisters
EPA Method TO-14
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)		
3-May-00	G-10 Excavation Pit	Benzene	17	400		
		Chlorobenzene	24	5,900		
		1,3-Dichlorobenzene	32	150		
		1,4-Dichlorobenzene	32	180		
		1,2-Dichlorobenzene	32	36		
		1,2,4-Trichlorobenzene	40	430		
		J-10 Excavation Pit	Benzene	15	420	
	J-10 Excavation Pit	Chlorobenzene	22	6,800		
		m,p-Xylene	20	23		
		1,2,4-Trimethylbenzene	23	53		
		1,4-Dichlorobenzene	28	210		
		Cyclohexane	65	340		
		4-May-00	Western Fenceline	Chloromethane	1.7	2.7
				Benzene	2.6	13
Toluene	3.1			7.6		
Ethyl Benzene	3.6			17		
m,p-Xylene	3.6			9.4		
1,2,4-Trimethylbenzene	4			4.2		
Acetone	7.8			17		
Ethanol	6.2			16		
18-May-00	G-11Excavation Pit	Freon 113	120	240		
		Benzene	49	420		
		Trichloroethane	83	190		
		Chlorobenzene	71	12000		
		Ethyl Benzene	67	260		
		m,p-Xylene	67	1400		
		o-Xylene	67	85		
		1,3,5-Trimethylbenzene	76	140		
		1,2,4-Trimethylbenzene	76	330		
		1,3-Dichlorobenzene	93	1900		
		1,4-Dichlorobenzene	93	14000		
		1,2-Dichlorobenzene	93	350		
		1,2,4-Trichlorobenzene	110	7900		
		Hexane	220	270		
		Cyclohexane	210	600		
		Heptane	250	1200		
	H-11 Excavation Pit	H-11 Excavation Pit	Benzene	9.4	49	

Table-2
Air Quality Analysis Using Summa Canisters
EPA Method TO-14
 Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (ug/m3)	Result (ug/m3)
		Toluene	11	18
		Chlorobenzene	13	3500
		Ethyl Benzene	13	18
		m,p-Xylene	13	44
		1,3,5-Trimethylbenzene	14	33
		1,2,4-Trimethylbenzene	14	150
		1,3-Dichlorobenzene	18	710
		1,4-Dichlorobenzene	18	3400
		1,2-Dichlorobenzene	18	110
		1,2,4-Trichlorobenzene	22	2000

Table-3
Air Quality Analysis Using Summa Canisters
EPA Method ASTM D-1945
Former Westinghouse Facility, Emeryville, California

Sampling Date	Sample No.	Parameter	Reporting Limit (%)	Result (%)
3-May-00	G-10 Excavation Pit	Oxygen	0.16	22
		Nitrogen	0.16	78
		Carbon Dioxide	0.0016	0.05
	G-10 Duplicate	Oxygen	0.16	22
		Nitrogen	0.16	78
		Carbon Dioxide	0.0016	0.049
4-May-00	Western Fenceline	Oxygen	0.16	22
		Nitrogen	0.16	48
		Carbon Dioxide	0.0016	0.047
	J-10 Excavation Pit	Oxygen	0.14	22
		Nitrogen	0.14	78
		Methane	0.0014	0.0027
Carbon Dioxide		0.0014	0.044	
18-May-00	G-11 Excavation Pit	Oxygen	0.15	22
		Nitrogen	0.15	78
		Carbon Monoxide	0.0015	0.002
	H-11 Excavation Pit	Oxygen	0.14	23
		Nitrogen	0.14	77
		Carbon Monoxide	0.0014	0.048

Table 4

Analytical Results of Composite Soil Samples Collected From
Stockpiled Soils on March 15, 2000

Analyte	Composite-1	Composite-2	Composite-3	Composite-4
Arocolor-1016	0.021	ND	ND	ND
Arocolor-1221	ND	ND	ND	ND
Arocolor-1232	ND	ND	ND	ND
Arocolor-1242	ND	ND	ND	ND
Arocolor-1248	ND	ND	ND	ND
Arocolor-1254	ND	ND	ND	ND
Arocolor-1260	0.38	0.082	0.094	0.081

* The results were reported by the laboratory as ug/kg, but are presented here as mg/kg



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 01-MAY-00
Lab Job Number: 144528
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:


Operations Manager

Reviewed by:


Project Manager

This package may be reproduced only in its entirety.

Laboratory Number: 144528

Receipt Date: 3/16/00

Client: SOMA Environmental Engineering Inc.

Location: CBS On Site

Project#: 2178

PCB CASE NARRATIVE

This hardcopy data package contains sample and QC results for four 4-point composite soil samples that were received on March 16, 2000. All samples were received over-the-counter and at room temperature, one day after the sampling event.

No analytical problems were encountered.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # _____

WUSLB

Analyses

Project No: 2178

Sampler: Naser Pakrou

Project Name: CBS on-site

Report To: Naser Pakrou

Project P.O.:

Company: SOMA ENV. Eng.

Turnaround Time: Standard

Telephone: 925 244 6600

Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
Laboratory 1	1-A0.5'	3/15 12:00	✓			1					-5 Composite then Sample 1 ✓
	1-B1.5'	" 12:15	✓			1					
	1-C2.5'	" 12:45	✓			1					
	1-D3.5'	" 1:15	✓			1					
Laboratory 2	2-A0.5'	" 1:30	✓			1					Composite then Sample 2 ✓ -10
	2-B1.5'	" 2:00	✓			1					
	2-C2.5'	" 2:30	✓			1					
	2-D3.5'	" 3:00	✓			1					

PCBS EPA 8080

Notes:
Ambient - directly from field? No, next day.

RELINQUISHED BY:		RECEIVED BY:	
<i>Naser Pakrou</i>	<i>3/16 10:30</i> DATE/TIME	<i>Anna P...</i>	<i>3/16/00 10:30</i> DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Signature

CHAIN OF CUSTODY FORM

Analyses

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 144528

Project No: 2178

Sampler: Naser Pakrou

Project Name: CBS on-site

Report To: Naser Pakrou

Project P.O.:

Company: SOMA

Turnaround Time: Standard

Telephone: 925 244 6600

Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
11	3-A0.5'	3/15 4:00	✓			1					Composite then table 3 -15
12	3-B1.5'	" 4:15	✓			1					
13	3-C2.5'	" 4:30	✓			1					
14	3-D3.5'	" 4:45	✓			1					
FOI Use Lab Use	4-A0.5'	" 5:00	✓			1					Composite then table 4 -20
	4-B1.5'	" 5:10	✓			1					
	4-C2.5'	" 5:30	✓			1	5:30				
	4-D3.5'	" 5:45	✓			1					

PCBS EPA 8080

Notes: <u>Ambient</u>	RELINQUISHED BY:		RECEIVED BY:	
	<u>Naser Pakrou</u>		<u>Anna [Signature]</u>	
	DATE/TIME		DATE/TIME	<u>3/16/00 1030</u>
	DATE/TIME		DATE/TIME	
	DATE/TIME		DATE/TIME	

Signature

Polychlorinated Biphenyls (PCBs)

Lab #: 144528	Location: CBS On Site	
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3550	
Project#: 2178	Analysis: EPA 8082	
Matrix: Soil	Batch#: 54687	
Units: ug/Kg	Sampled: 03/15/00	
Basis: wet	Received: 03/16/00	
Diln Fac: 1.000	Prepared: 03/24/00	

Field ID: COMP -1	Lab ID: 144528-005
Type: SAMPLE	Analyzed: 03/28/00

Analyte	Result	RL
Aroclor-1016	21	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	380	12

Surrogate	%REC	Limits
TCMX	97	39-150
Decachlorobiphenyl	52	33-144

Field ID: COMP-2	Lab ID: 144528-010
Type: SAMPLE	Analyzed: 03/28/00

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	82	12

Surrogate	%REC	Limits
TCMX	97	39-150
Decachlorobiphenyl	69	33-144

Field ID: COMP-3	Lab ID: 144528-015
Type: SAMPLE	Analyzed: 03/28/00

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	94	12

Surrogate	%REC	Limits
TCMX	95	39-150
Decachlorobiphenyl	59	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	144528	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Matrix:	Soil	Batch#:	54687
Units:	ug/Kg	Sampled:	03/15/00
Basis:	wet	Received:	03/16/00
Diln Fac:	1.000	Prepared:	03/24/00

Field ID: COMP-4 Lab ID: 144528-020
 Type: SAMPLE Analyzed: 03/28/00

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	81	12

Surrogate	%REC	Limits
TCMX	117	39-150
Decachlorobiphenyl	62	33-144

Type: BLANK Analyzed: 03/25/00
 Lab ID: QC111287

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	96	39-150
Decachlorobiphenyl	73	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	144528	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC111288	Batch#:	54687
Matrix:	Soil	Prepared:	03/24/00
Units:	ug/Kg	Analyzed:	03/25/00
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	166.7	151.2	91	58-124

Surrogate	%REC	Limits
TCMX	98	39-150
Decachlorobiphenyl	67	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	144528	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	54687
MSS Lab ID:	144569-022	Sampled:	03/17/00
Matrix:	Soil	Received:	03/17/00
Units:	ug/Kg	Prepared:	03/24/00
Basis:	wet	Analyzed:	03/26/00
Diln Fac:	1.000		

Type: MS Lab ID: QC111289

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1260	ND	166.7	163.2	98	26-133

Surrogate	%REC	Limits
TCMX	106	39-150
Decachlorobiphenyl	75	33-144

Type: MSD Lab ID: QC111290

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	166.7	159.8	96	26-133	2	40

Surrogate	%REC	Limits
TCMX	99	39-150
Decachlorobiphenyl	74	33-144

Table 5
Results of PCBs Analysis on Soil Samples Collected on March 17, 2000

Boring	Depth	Aroclor-1016	Aroclor-1260	Total*	Field screening
	ft	ppm	ppm	ppm	ppm
E10	2.5	0.079	1.400	1.479	<50
	5.0	0.230	3.100	3.330	<50
	10.0	ND	0.045	0.045	<50
	15.0	ND	ND	ND	<50
	20.0	ND	ND	ND	<50
F8	2.5	3.200	11.000	14.200	<50
	5.0	3.400	9.500	12.900	<50
	10.0	0.290	0.760	1.050	<50
	15.0	0.086	0.200	0.286	<50
	20.0	4.000	10.000	14.000	<50
G15	2.5	ND	0.030	0.030	<50
	5.0	ND	ND	ND	<50
	10.0	ND	ND	ND	<50
	15.0	ND	0.630	0.630	<50
	20.0	ND	0.023	0.023	<50
J1	2.5	ND	0.61	0.610	<50
	5.0	0.027	1.600	1.627	<50
	10.0	0.038	0.390	0.428	<50
	15.0	0.040	0.140	0.180	<50
	20.0	ND	0.160	0.160	<50
J3	2.5	0.180	1.200	1.380	<50
	5.0	ND	3.200	3.200	<50
	10.0	ND	0.035	0.035	<50
	15.0	ND	0.720	0.720	<50
	20.0	0.048	24.000	24.048	<50
M14	2.5	ND	0.020	0.200	<50
	5.0	ND	0.430	0.430	<50
	10.0	ND	0.034	0.034	<50
	15.0	ND	ND	ND	<50
	20.0	ND	0.049	0.049	<50

* Total PCBs are the summation of Aroclor-1016 and 1260, other species of PCB were not detectable



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 17-APR-00
Lab Job Number: 144561
Project ID: 2178
Location: CBS On Site

Reviewed by:

Reviewed by:

This package may be reproduced only in its entirety.

Laboratory Number: 144561

Receipt Date: 03/17/00

Client: SOMA Environmental Engineering Inc.

Location: CBS On Site

Project#: 2178

PCB CASE NARRATIVE

This hardcopy data package contains sample and QC results for thirty soil samples that were received on March 17, 2000.

Low surrogate recoveries were observed for decachlorobiphenyl in samples **E10-2.5'** and **E10-5'** (CT#144561-011 and -012). These outliers should not affect the quality of the data because the surrogate recoveries for TCMX were within criteria.

Samples **F8-2.5'**, **F8-5'**, and **F8-20'** (CT#144561-016, -017, and -020) were analyzed at dilutions, causing the surrogates to be diluted out.

No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 14561

Analyses

Project No: 2178
 Project Name: CBS on-site
 Project P.O.:
 Turnaround Time: standard 3day

Sampler: Naser Pakrou
 Report To: Naser Pakrou
 Company: SOMA ENV. Eng
 Telephone: 925 244 6600
 Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	NO ₂	
F o r t o r y	M14-2.5'	3/17/8:25	✓			1					✓	PCBS 3080
	M14-5'	3/17/8:30	✓			1				✓		
	M14-10'	3/17/8:35	✓			1				✓		
	M14-15'	3/17/8:45				1				✓		
	M14-20'	3/17/9:10				1				✓		
F o r t o r y	G15-2.5'	3/17/9:45				1				✓	PCBS 3080	
	G15-5'	3/17/10:0				1				✓		
	G15-10'	" 10:05				1				✓		
	G15-15'	" 10:10				1				✓		
L a b	G15-20'	" 10:20				1				✓		

Notes: Results by Thursday 9AM
3/17/00

RELINQUISHED BY:		RECEIVED BY:	
	3/17 2:45 DATE/TIME		3/17 10:20 DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Signature

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 141516

Analyses

Project No: 2178
 Project Name: CBS onsite
 Project P.O.: 3 Day TAT
 Turnaround Time: Standard

Sampler: Naser Pakrou
 Report To: Naser Pakrou
 Company: SOMO Env. Eng
 Telephone: 925 2446600
 Fax: 925 2446601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes
			Soil	Water	Waste		HCL	H2SO	HNO3	ICE	No	
L1	E10-25	3/17 10:50	✓			1						
L2	E10-5	" 11:00				1						
L3	E10-10	" 11:15				1						
L4	E10-15	" 11:20				1						
L5	E10-20	" 11:30				1						
Total												
F01	F8-25	3/17 12:30				1						
F02	F8-5	" 12:35				1						
F03	F8-10	" 12:40				1						
F04	F8-15	" 12:45				1						
F05	F8-20	" 12:50				1						

PCBS 8080

Notes: Results by Thursday 9AM.

RELINQUISHED BY:	RECEIVED BY:
<u>[Signature]</u> 3/17 2:45 DATE/TIME	<u>Anna [Signature]</u> 3/17/00 2:45 pm DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Signature

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 14656

Analyses


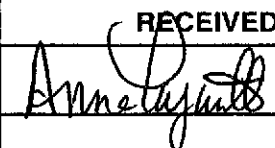
Project No: 2178
 Project Name: CBS on-site
 Project P.O.:
 Turnaround Time: Standard 3day

Sampler: Naser Pakrou
 Report To: Naser Pakrou
 Company: SOMA Env. Eng.
 Telephone: 925 244 6600
 Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix				# of Containers	Preservative				Field Notes
			Soil	Water	Waste	W _g		HCL	H ₂ SO ₄	HNO ₃	ICE	
21	J1-25'	3/17 1:20				✓						
22	J1-5'	4 1:25				✓						
23	J1-10'	5 1:30				✓						
24	J1-15'	6 1:40				✓						
250	J1-20'	1 1:50				✓						
Line												
26	J3-2.5'	2:00				✓						
27	J3-5'	2:05				✓						
28	J3-10'	2:10				✓						
29	J3-15'	2:15				✓						
30	J3-20'	2:30				✓						

PC-B5												
	✓											
	✓											
	✓											
	✓											
	✓											
	✓											
	✓											
	✓											
	✓											

Notes: Results by 9AM Thursday.
3/17/00
Ambient

RELINQUISHED BY:		RECEIVED BY:	
	3/17 2:45		3/17/00 2:45
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Signature



Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082	
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: M14-2.5'	Batch#: 54553	
Type: SAMPLE	Prepared: 03/20/00	
Lab ID: 144561-001	Analyzed: 03/22/00	
Diln Fac: 1.000	Prep: EPA 3520	

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	200	12

Surrogate	%REC	Limits
TCMX	93	39-150
Decachlorobiphenyl	53	33-144

Field ID: M14-5'	Batch#: 54535	
Type: SAMPLE	Prepared: 03/19/00	
Lab ID: 144561-002	Analyzed: 03/20/00	
Diln Fac: 1.000	Prep: EPA 3550	

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	430	12

Surrogate	%REC	Limits
TCMX	62	39-150
Decachlorobiphenyl	42	33-144

* Value outside of QC limits; see narrative

DO = Diluted Out

ND = Not Detected

RL = Reporting Limit

Page 1 of 16

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082
Project#: 2178	
Matrix: Soil	Sampled: 03/17/00
Units: ug/Kg	Received: 03/17/00
Basis: wet	

Field ID: M14-10'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-003	Analyzed: 03/22/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	34	12

Surrogate	%REC	Limits
TCMX	80	39-150
Decachlorobiphenyl	45	33-144

Field ID: M14-15'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-004	Analyzed: 03/20/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	78	39-150
Decachlorobiphenyl	47	33-144

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082	
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: M14-20'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-005	Analyzed: 03/20/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	49	12

Surrogate	%REC	Limits
TCMX	75	39-150
Decachlorobiphenyl	46	33-144

Field ID: G15-2.5'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-006	Analyzed: 03/20/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	30	12

Surrogate	%REC	Limits
TCMX	65	39-150
Decachlorobiphenyl	41	33-144

* Value outside of QC limits; see narrative
 DO = Diluted Out
 ND = Not Detected
 RL = Reporting Limit
 Page 3 of 16



Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082
Project#: 2178	
Matrix: Soil	Sampled: 03/17/00
Units: ug/Kg	Received: 03/17/00
Basis: wet	

Field ID: G15-5'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-007	Analyzed: 03/21/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	79	39-150
Decachlorobiphenyl	46	33-144

Field ID: G15-10'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-008	Analyzed: 03/21/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	76	39-150
Decachlorobiphenyl	44	33-144

* Value outside of QC limits; see narrative

DC = Diluted Out

ND = Not Detected

RL = Reporting Limit

Page 4 of 16



Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8082
Project#:	2178		
Matrix:	Soil	Sampled:	03/17/00
Units:	ug/Kg	Received:	03/17/00
Basis:	wet		

Field ID:	G15-15'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-009	Prep:	EPA 3550

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	ND	12	1.000	03/21/00
Aroclor-1221	ND	12	1.000	03/21/00
Aroclor-1232	ND	12	1.000	03/21/00
Aroclor-1242	ND	12	1.000	03/21/00
Aroclor-1248	ND	12	1.000	03/21/00
Aroclor-1254	ND	12	1.000	03/21/00
Aroclor-1260	630	24	2.000	03/22/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	75	39-150	1.000	03/21/00
Decachlorobiphenyl	53	33-144	1.000	03/21/00

Field ID:	G15-20'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-010	Analyzed:	03/21/00
Diln Fac:	1.000	Prep:	EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	23	12

Surrogate	%REC	Limits
TCMX	70	39-150
Decachlorobiphenyl	48	33-144

* Value outside of QC limits; see narrative

DO = Diluted Out

ND = Not Detected

RL = Reporting Limit

Page 5 of 16



Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8082
Project#:	2178		
Matrix:	Soil	Sampled:	03/17/00
Units:	ug/Kg	Received:	03/17/00
Basis:	wet		

Field ID:	E10-2.5'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-011	Prep:	EPA 3550

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	79	12	1.000	03/20/00
Aroclor-1221	ND	12	1.000	03/20/00
Aroclor-1232	ND	12	1.000	03/20/00
Aroclor-1242	ND	12	1.000	03/20/00
Aroclor-1248	ND	12	1.000	03/20/00
Aroclor-1254	ND	12	1.000	03/20/00
Aroclor-1260	1,400	48	4.000	03/22/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	74	39-150	1.000	03/20/00
Decachlorobiphenyl	27 *	33-144	1.000	03/20/00

Field ID:	E10-5'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-012	Prep:	EPA 3550

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	230	12	1.000	03/20/00
Aroclor-1221	ND	12	1.000	03/20/00
Aroclor-1232	ND	12	1.000	03/20/00
Aroclor-1242	ND	12	1.000	03/20/00
Aroclor-1248	ND	12	1.000	03/20/00
Aroclor-1254	ND	12	1.000	03/20/00
Aroclor-1260	3,100	120	10.00	03/22/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	77	39-150	1.000	03/20/00
Decachlorobiphenyl	26 *	33-144	1.000	03/20/00

* Value outside of QC limits; see narrative

DC Diluted Out

ND = Not Detected

RL = Reporting Limit

Page 6 of 16



Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082
Project#: 2178	
Matrix: Soil	Sampled: 03/17/00
Units: ug/Kg	Received: 03/17/00
Basis: wet	

Field ID: E10-10'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-013	Analyzed: 03/21/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	45	12

Surrogate	%REC	Limits
TCMX	81	39-150
Decachlorobiphenyl	49	33-144

Field ID: E10-15'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-014	Analyzed: 03/21/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	75	39-150
Decachlorobiphenyl	51	33-144

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082
Project#: 2178	
Matrix: Soil	Sampled: 03/17/00
Units: ug/Kg	Received: 03/17/00
Basis: wet	

Field ID: E10-20'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-015	Analyzed: 03/21/00
Diln Fac: 1.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	64	39-150
Decachlorobiphenyl	41	33-144

Field ID: F8-2.5'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-016	Analyzed: 03/22/00
Diln Fac: 25.00	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	3,200	300
Aroclor-1221	ND	300
Aroclor-1232	ND	300
Aroclor-1242	ND	300
Aroclor-1248	ND	300
Aroclor-1254	ND	300
Aroclor-1260	11,000	300

Surrogate	%REC	Limits
TCMX	DO	39-150
Decachlorobiphenyl	DO	33-144

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082
Project#: 2178	
Matrix: Soil	Sampled: 03/17/00
Units: ug/Kg	Received: 03/17/00
Basis: wet	

Field ID: F8-5'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-017	Analyzed: 03/22/00
Diln Fac: 25.00	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	3,400	300
Aroclor-1221	ND	300
Aroclor-1232	ND	300
Aroclor-1242	ND	300
Aroclor-1248	ND	300
Aroclor-1254	ND	300
Aroclor-1260	9,500	300

Surrogate	%REC	Limits
TCMX	DO	39-150
Decachlorobiphenyl	DO	33-144

Field ID: F8-10'	Batch#: 54535
Type: SAMPLE	Prepared: 03/19/00
Lab ID: 144561-018	Analyzed: 03/21/00
Diln Fac: 2.000	Prep: EPA 3550

Analyte	Result	RL
Aroclor-1016	290	24
Aroclor-1221	ND	24
Aroclor-1232	ND	24
Aroclor-1242	ND	24
Aroclor-1248	ND	24
Aroclor-1254	ND	24
Aroclor-1260	760	24

Surrogate	%REC	Limits
TCMX	75	39-150
Decachlorobiphenyl	55	33-144

* Value outside of QC limits; see narrative
 DO = Diluted Out
 ND = Not Detected
 RL = Reporting Limit
 Page 9 of 16

@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0005064

Work Order Summary

CLIENT: Mr. Mansour Sepehr
SOMA Environmental Engineering
2680 Bishop Dr. Suite 203
San Ramon, CA 94583


BILL TO: Same

PHONE: 925-244-6600
FAX: 925-244-6601
DATE RECEIVED: 5/3/00
DATE COMPLETED: 5/4/00

P.O. # NR
PROJECT # 2178 CBS On-Site

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	G-10	TO-14	4.5 "Hg
02A	J-10	TO-14	1.0 "Hg
03A	Lab Blank	TO-14	NA

CERTIFIED BY:


For Laboratory Director

DATE: 5/4/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Corporation
Work Order # 0005064

Two 6L Summa Canister samples were received on May 3, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Ltd. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

The recovery of surrogate Bromofluorobenzene in sample J-10 was outside control limits due to high level hydrocarbon matrix interference. The un-subtracted raw spectra is provided to confirm the presence of hydrocarbon interference. Data is reported as qualified.

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no other out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	t050316	Date of Collection: 5/3/00
Dil. Factor:	10.5	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	5.2	26	Not Detected	Not Detected
Freon 114	5.2	37	Not Detected	Not Detected
Chloromethane	5.2	11	Not Detected	Not Detected
Vinyl Chloride	5.2	14	Not Detected	Not Detected
Bromomethane	5.2	21	Not Detected	Not Detected
Chloroethane	5.2	14	Not Detected	Not Detected
Freon 11	5.2	30	Not Detected	Not Detected
1,1-Dichloroethene	5.2	21	Not Detected	Not Detected
Freon 113	5.2	41	Not Detected	Not Detected
Methylene Chloride	5.2	18	Not Detected	Not Detected
1,1-Dichloroethane	5.2	22	Not Detected	Not Detected
cis-1,2-Dichloroethene	5.2	21	Not Detected	Not Detected
Chloroform	5.2	26	Not Detected	Not Detected
1,1,1-Trichloroethane	5.2	29	Not Detected	Not Detected
Carbon Tetrachloride	5.2	34	Not Detected	Not Detected
Benzene	5.2	17	120	400
1,2-Dichloroethane	5.2	22	Not Detected	Not Detected
Trichloroethene	5.2	29	Not Detected	Not Detected
1,2-Dichloropropane	5.2	25	Not Detected	Not Detected
cis-1,3-Dichloropropene	5.2	24	Not Detected	Not Detected
Toluene	5.2	20	Not Detected	Not Detected
trans-1,3-Dichloropropene	5.2	24	Not Detected	Not Detected
1,1,2-Trichloroethane	5.2	29	Not Detected	Not Detected
Tetrachloroethene	5.2	36	Not Detected	Not Detected
Ethylene Dibromide	5.2	41	Not Detected	Not Detected
Chlorobenzene	5.2	24	1300	5900
Ethyl Benzene	5.2	23	Not Detected	Not Detected
m,p-Xylene	5.2	23	Not Detected	Not Detected
o-Xylene	5.2	23	Not Detected	Not Detected
Styrene	5.2	23	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	5.2	37	Not Detected	Not Detected
1,3,5-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,2,4-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,3-Dichlorobenzene	5.2	32	24	150
1,4-Dichlorobenzene	5.2	32	30	180
Chlorotoluene	5.2	28	Not Detected	Not Detected
1,2-Dichlorobenzene	5.2	32	5.9	36
1,2,4-Trichlorobenzene	5.2	40	57	430
Hexachlorobutadiene	5.2	57	Not Detected	Not Detected
Propylene	21	37	Not Detected	Not Detected
1,3-Butadiene	21	47	Not Detected	Not Detected
Acetone	21	51	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050316	Date of Collection:	5/3/00
Dil. Factor:	10.5	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	21	66	Not Detected	Not Detected
2-Propanol	21	52	Not Detected	Not Detected
trans-1,2-Dichloroethene	21	85	Not Detected	Not Detected
Vinyl Acetate	21	75	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	21	63	Not Detected	Not Detected
Hexane	21	75	Not Detected	Not Detected
Tetrahydrofuran	21	63	Not Detected	Not Detected
Cyclohexane	21	73	Not Detected	Not Detected
1,4-Dioxane	21	77	Not Detected	Not Detected
Bromodichloromethane	21	140	Not Detected	Not Detected
4-Methyl-2-pentanone	21	87	Not Detected	Not Detected
2-Hexanone	21	87	Not Detected	Not Detected
Dibromochloromethane	21	180	Not Detected	Not Detected
Bromoform	21	220	Not Detected	Not Detected
4-Ethyltoluene	21	100	Not Detected	Not Detected
Ethanol	21	40	Not Detected	Not Detected
Methyl tert-Butyl Ether	21	77	Not Detected	Not Detected
Heptane	21	87	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	88	70-130

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	t050317	Date of Collection:	5/3/00
Dil. Factor:	9.27	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	4.6	23	Not Detected	Not Detected
Freon 114	4.6	33	Not Detected	Not Detected
Chloromethane	4.6	9.7	Not Detected	Not Detected
Vinyl Chloride	4.6	12	Not Detected	Not Detected
Bromomethane	4.6	18	Not Detected	Not Detected
Chloroethane	4.6	12	Not Detected	Not Detected
Freon 11	4.6	26	Not Detected	Not Detected
1,1-Dichloroethene	4.6	19	Not Detected	Not Detected
Freon 113	4.6	36	Not Detected	Not Detected
Methylene Chloride	4.6	16	Not Detected	Not Detected
1,1-Dichloroethane	4.6	19	Not Detected	Not Detected
cis-1,2-Dichloroethene	4.6	19	Not Detected	Not Detected
Chloroform	4.6	23	Not Detected	Not Detected
1,1,1-Trichloroethane	4.6	26	Not Detected	Not Detected
Carbon Tetrachloride	4.6	30	Not Detected	Not Detected
Benzene	4.6	15	130	420
1,2-Dichloroethane	4.6	19	Not Detected	Not Detected
Trichloroethene	4.6	25	Not Detected	Not Detected
1,2-Dichloropropane	4.6	22	Not Detected	Not Detected
cis-1,3-Dichloropropene	4.6	21	Not Detected	Not Detected
Toluene	4.6	18	Not Detected	Not Detected
trans-1,3-Dichloropropene	4.6	21	Not Detected	Not Detected
1,1,2-Trichloroethane	4.6	26	Not Detected	Not Detected
Tetrachloroethene	4.6	32	Not Detected	Not Detected
Ethylene Dibromide	4.6	36	Not Detected	Not Detected
Chlorobenzene	4.6	22	1400	6800
Ethyl Benzene	4.6	20	Not Detected	Not Detected
m,p-Xylene	4.6	20	5.3	23
o-Xylene	4.6	20	Not Detected	Not Detected
Styrene	4.6	20	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	4.6	32	Not Detected	Not Detected
1,3,5-Trimethylbenzene	4.6	23	Not Detected	Not Detected
1,2,4-Trimethylbenzene	4.6	23	11	53
1,3-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,4-Dichlorobenzene	4.6	28	34	210
Chlorotoluene	4.6	24	Not Detected	Not Detected
1,2-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,2,4-Trichlorobenzene	4.6	35	Not Detected	Not Detected
Hexachlorobutadiene	4.6	50	Not Detected	Not Detected
Propylene	18	32	Not Detected	Not Detected
1,3-Butadiene	18	42	Not Detected	Not Detected
Acetone	18	45	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064-02A

EPA METHOD TO-14 GC/MS Full Scan

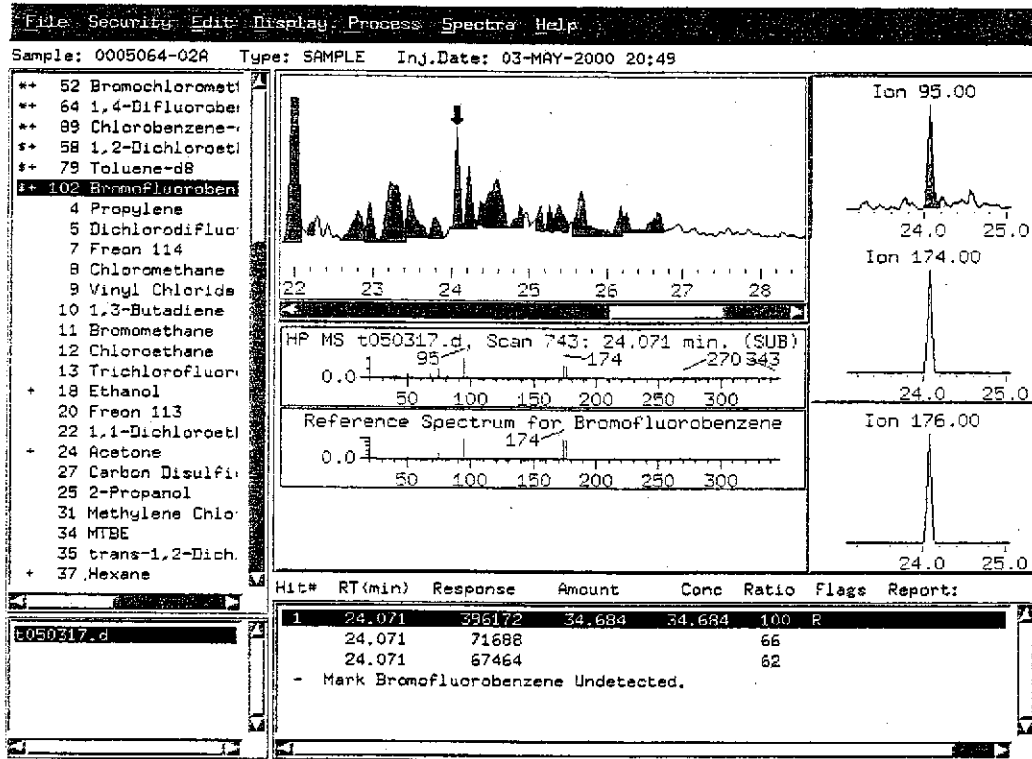
File Name:	1050317	Date of Collection: 5/3/00
Dil. Factor:	9.27	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	18	59	Not Detected	Not Detected
2-Propanol	18	46	Not Detected	Not Detected
trans-1,2-Dichloroethene	18	75	Not Detected	Not Detected
Vinyl Acetate	18	66	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	18	56	Not Detected	Not Detected
Hexane	18	66	Not Detected	Not Detected
Tetrahydrofuran	18	56	Not Detected	Not Detected
Cyclohexane	18	65	96	340
1,4-Dioxane	18	68	Not Detected	Not Detected
Bromodichloromethane	18	130	Not Detected	Not Detected
4-Methyl-2-pentanone	18	77	Not Detected	Not Detected
2-Hexanone	18	77	Not Detected	Not Detected
Dibromochloromethane	18	160	Not Detected	Not Detected
Bromoform	18	190	Not Detected	Not Detected
4-Ethyltoluene	18	93	Not Detected	Not Detected
Ethanol	18	36	Not Detected	Not Detected
Methyl tert-Butyl Ether	18	68	Not Detected	Not Detected
Heptane	18	77	Not Detected	Not Detected

Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	139 Q	70-130



BFB elevated due to nontarget matrix interference.

105 5-4-00

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	t050303	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8082
Project#:	2178		
Matrix:	Soil	Sampled:	03/17/00
Units:	ug/Kg	Received:	03/17/00
Basis:	wet		

Field ID:	F8-15'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-019	Analyzed:	03/21/00
Diln Fac:	1.000	Prep:	EPA 3550

Analyte	Result	RL
Aroclor-1016	86	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	200	12

Surrogate	%REC	Limits
TCMX	71	39-150
Decachlorobiphenyl	48	33-144

Field ID:	F8-20'	Batch#:	54535
Type:	SAMPLE	Prepared:	03/19/00
Lab ID:	144561-020	Analyzed:	03/22/00
Diln Fac:	25.00	Prep:	EPA 3550

Analyte	Result	RL
Aroclor-1016	4,000	300
Aroclor-1221	ND	300
Aroclor-1232	ND	300
Aroclor-1242	ND	300
Aroclor-1248	ND	300
Aroclor-1254	ND	300
Aroclor-1260	10,000	300

Surrogate	%REC	Limits
TCMX	DO	39-150
Decachlorobiphenyl	DO	33-144

* = Value outside of QC limits; see narrative

DO = Diluted Out

ND = Not Detected

RL = Reporting Limit

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	Analysis: EPA 8082
Client: SOMA Environmental Engineering Inc.		
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: J1-2.5'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-021	Analyzed: 03/22/00
Diln Fac: 2.000	Prep: EPA 3520

Analyte	Result	RL
Aroclor-1016	ND	24
Aroclor-1221	ND	24
Aroclor-1232	ND	24
Aroclor-1242	ND	24
Aroclor-1248	ND	24
Aroclor-1254	ND	24
Aroclor-1260	610	24

Surrogate	%REC	Limits
TCMX	64	39-150
Decachlorobiphenyl	39	33-144

Field ID: J1-5'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-022	Analyzed: EPA 3520

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	27	12	1.000	03/21/00
Aroclor-1221	ND	12	1.000	03/21/00
Aroclor-1232	ND	12	1.000	03/21/00
Aroclor-1242	ND	12	1.000	03/21/00
Aroclor-1248	ND	12	1.000	03/21/00
Aroclor-1254	ND	12	1.000	03/21/00
Aroclor-1260	1,600	48	4.000	03/22/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	84	39-150	1.000	03/21/00
Decachlorobiphenyl	51	33-144	1.000	03/21/00

* = Value outside of QC limits; see narrative
 DC = Diluted Out
 ND = Not Detected
 RL = Reporting Limit

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	Analysis: EPA 8082
Client: SOMA Environmental Engineering Inc.		
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: J1-10'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-023	Analyzed: 03/22/00
Diln Fac: 1.000	Prep: EPA 3520

Analyte	Result	RL
Aroclor-1016	38	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	390	12

Surrogate	%REC	Limits
TCMX	73	39-150
Decachlorobiphenyl	41	33-144

Field ID: J1-15'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-024	Analyzed: 03/22/00
Diln Fac: 1.000	Prep: EPA 3520

Analyte	Result	RL
Aroclor-1016	40	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	140	12

Surrogate	%REC	Limits
TCMX	73	39-150
Decachlorobiphenyl	37	33-144

* = Value outside of QC limits; see narrative

DC = Diluted Out

ND = Not Detected

RL = Reporting Limit

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	Analysis: EPA 8082
Client: SOMA Environmental Engineering Inc.		
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: J1-20'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-025	Analyzed: 03/22/00
Diln Fac: 1.000	Prep: EPA 3520

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	160	12

Surrogate	%RBC	Limits
TCMX	73	39-150
Decachlorobiphenyl	53	33-144

Field ID: J3-2.5'	Batch#: 54553
Type: SAMPLE	Prepared: 03/20/00
Lab ID: 144561-026	Analyzed: 03/22/00
Diln Fac: 4.000	Prep: EPA 3520

Analyte	Result	RL
Aroclor-1016	180	48
Aroclor-1221	ND	48
Aroclor-1232	ND	48
Aroclor-1242	ND	48
Aroclor-1248	ND	48
Aroclor-1254	ND	48
Aroclor-1260	1,200	48

Surrogate	%RBC	Limits
TCMX	83	39-150
Decachlorobiphenyl	42	33-144

* = Value outside of QC limits; see narrative

DO = Diluted Out

ND = Not Detected

RL = Reporting Limit

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	Analysis: EPA 8082
Client: SOMA Environmental Engineering Inc.		
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Field ID: J3-5'	Prepared: 03/20/00	
Type: SAMPLE	Analyzed: 03/22/00	
Lab ID: 144561-027	Prep: EPA 3520	
Batch#: 54553		

Analyte	Result	RL	Diln Fac
Aroclor-1016	ND	12	1.000
Aroclor-1221	ND	12	1.000
Aroclor-1232	ND	12	1.000
Aroclor-1242	ND	12	1.000
Aroclor-1248	ND	12	1.000
Aroclor-1254	ND	12	1.000
Aroclor-1260	3,200	120	10.00

Surrogate	%REC	Limits	Diln Fac
TCMX	82	39-150	1.000
Decachlorobiphenyl	57	33-144	1.000

Field ID: J3-10'	Batch#: 54553	
Type: SAMPLE	Prepared: 03/20/00	
Lab ID: 144561-028	Analyzed: 03/22/00	
Dil Fac: 1.000	Prep: EPA 3520	

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	35	12

Surrogate	%REC	Limits
TCMX	57	39-150
Decachlorobiphenyl	41	33-144

* = Value outside of QC limits; see narrative
 DO = Diluted Out
 ND = Not Detected
 RL = Reporting Limit
 Page 14 of 16

Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Analysis:	EPA 8082
Project#:	2178		
Matrix:	Soil	Sampled:	03/17/00
Units:	ug/Kg	Received:	03/17/00
Basis:	wet		

Field ID:	J3-15'	Prepared:	03/20/00
Type:	SAMPLE	Analyzed:	03/22/00
Lab ID:	144561-029	Prep:	EPA 3520
Batch#:	54553		

Analyte	Result	RL	Diln Fac
Aroclor-1016	ND	12	1.000
Aroclor-1221	ND	12	1.000
Aroclor-1232	ND	12	1.000
Aroclor-1242	ND	12	1.000
Aroclor-1248	ND	12	1.000
Aroclor-1254	ND	12	1.000
Aroclor-1260	720	24	2.000

Surrogate	%REC	Limits	Diln Fac
TCMX	79	39-150	1.000
Decachlorobiphenyl	52	33-144	1.000

Field ID:	J3-20'	Prepared:	03/20/00
Type:	SAMPLE	Analyzed:	03/22/00
Lab ID:	144561-030	Prep:	EPA 3520
Batch#:	54553		

Analyte	Result	RL	Diln Fac
Aroclor-1016	48	12	1.000
Aroclor-1221	ND	12	1.000
Aroclor-1232	ND	12	1.000
Aroclor-1242	ND	12	1.000
Aroclor-1248	ND	12	1.000
Aroclor-1254	ND	12	1.000
Aroclor-1260	24,000	600	50.00

Surrogate	%REC	Limits	Diln Fac
TCMX	82	39-150	1.000
Decachlorobiphenyl	58	33-144	1.000

* Value outside of QC limits; see narrative
 DC Diluted Out
 ND Not Detected
 RL = Reporting Limit
 Page 15 of 16



Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site	
Client: SOMA Environmental Engineering Inc.	Analysis: EPA 8082	
Project#: 2178		
Matrix: Soil	Sampled: 03/17/00	
Units: ug/Kg	Received: 03/17/00	
Basis: wet		

Type: BLANK	Prepared: 03/19/00	
Lab ID: QC110714	Analyzed: 03/21/00	
Diln Fac: 1.000	Prep: EPA 3550	
Batch#: 54535		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	89	39-150
Decachlorobiphenyl	53	33-144

Type: BLANK	Prepared: 03/20/00	
Lab ID: QC110788	Analyzed: 03/21/00	
Diln Fac: 1.000	Prep: EPA 3520	
Batch#: 54553		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	79	39-150
Decachlorobiphenyl	48	33-144

* = Value outside of QC limits; see narrative

DC = Diluted Out

ND = Not Detected

RL = Reporting Limit



Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC110715	Batch#:	54535
Matrix:	Soil	Prepared:	03/19/00
Units:	ug/Kg	Analyzed:	03/21/00
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	166.7	152.6	92	58-124

Surrogate	%REC	Limits
TCMX	88	39-150
Decachlorobiphenyl	57	33-144

Polychlorinated Biphenyls (PCBs)

Lab #: 144561	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3520
Project#: 2178	Analysis: EPA 8082
Type: LCS	Diln Fac: 1.000
Lab ID: QC110789	Batch#: 54553
Matrix: Soil	Prepared: 03/20/00
Units: ug/Kg	Analyzed: 03/22/00
Basis: wet	

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	166.7	149.6	90	58-124

Surrogate	%REC	Limits
TCMX	87	39-150
Decachlorobiphenyl	56	33-144



Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Field ID:	E10-10'	Batch#:	54535
MSS Lab ID:	144561-013	Sampled:	03/17/00
Matrix:	Soil	Received:	03/17/00
Units:	ug/Kg	Prepared:	03/19/00
Basis:	wet	Analyzed:	03/21/00
Diln Fac:	1.000		

Type: MS Lab ID: QC110716

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1260	45.26	166.7	173.4	77	26-133

Surrogate	%REC	Limits
TCMX	79	39-150
Decachlorobiphenyl	48	33-144

Type: MSD Lab ID: QC110717

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	166.7	175.4	78	26-133	1	40

Surrogate	%REC	Limits
TCMX	81	39-150
Decachlorobiphenyl	48	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	144561	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Field ID:	J3-2.5'	Batch#:	54553
MSS Lab ID:	144561-026	Sampled:	03/17/00
Matrix:	Soil	Received:	03/17/00
Units:	ug/Kg	Prepared:	03/20/00
Basis:	wet	Analyzed:	03/22/00
Diln Fac:	4.000		

Type: MS Lab ID: QC110790

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1260	1,188	166.7	1,638	270	NM 26-133

Surrogate	%REC	Limits
TCMX	84	39-150
Decachlorobiphenyl	38	33-144

Type: MSD Lab ID: QC110791

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	166.7	1,429	144	NM 26-133	14	40

Surrogate	%REC	Limits
TCMX	86	39-150
Decachlorobiphenyl	37	33-144

Table 6

Total Metals and PCBs Concentration Reported by Sequoia Analytical
 On Soil Samples Collected Beneath the Concrete Slab on March 29, 2000

Analyte	Location of Soil Boring						TTL Class II
	C12	D18	G10	G15	J18	M13	Requirements
	-----mg/kg-----						
Antimony	24	14	19	28	16.0	19	500
Arsenic	ND	ND	ND	ND	ND	ND	500
Barium	170	79	110	160	170	130	10,000
Beryllium	ND	ND	ND	ND	1.2	0.6	75
Cadmium	ND	ND	0.81	ND	0.75	0.52	100
Chromium	52	28.0	27.0	45	28	31	2,500
Cobalt	16	6.5	8.9	14	17	13	8,000
Copper	57	10	29	51	24	40	2,500
Lead	15	ND	26.0	21	3.8	27	1,000
Mercury	0.110	0.051	0.24	0.19	0.48	0.14	20
Molybdenum	ND	ND	ND	ND	ND	ND	3,500
Nickel	44	32	29	42	30	28	2,000
Selenium	64	36	51	68	46	55	100
Silver	2.1	1.8	2.6	3.5	2.3	2.2	500
Thallium	ND	ND	ND	ND	ND	ND	700
Vanadium	150	78	100	150	100	100	2,400
Zinc	82	26	62	160	39	85	5,000
PCBs*	1.100	0.134	1.520	9.130	18.600	0.653	50
PCBs**	<50	<50	<50	<50	<50	<50	50

* Aroclor 1260 was the only species of PCBs that was detected in the samples

** Screened by PCB kit for concentrations above or below 50



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

4 April, 2000

Mansour Sepehr
Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon, CA. 94583

RE: 2178 CBS On-Site
Sequoia Report: W003691

Enclosed are the results of analyses for samples received by the laboratory on 30-Mar-00 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Dimple Sharma
Project Manager

CA ELAP Certificate #1271





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C12-0.5'	W003691-01	Soil	29-Mar-00 12:50	30-Mar-00 16:30
D18-0.5'	W003691-02	Soil	29-Mar-00 13:45	30-Mar-00 16:30
G10-0.5'	W003691-03	Soil	29-Mar-00 12:00	30-Mar-00 16:30
G15-0.5'	W003691-04	Soil	29-Mar-00 13:15	30-Mar-00 16:30
J18-0.5'	W003691-05	Soil	29-Mar-00 13:30	30-Mar-00 16:30
M13-0.5'	W003691-06	Soil	29-Mar-00 13:00	30-Mar-00 16:30

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dimple Sharma, Project Manager

Page 1 of 38





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12-0.5' (W003691-01) Soil Sampled: 29-Mar-00 12:50 Received: 30-Mar-00 16:30									
Mercury	0.11	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	24	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	170	0.50	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
Chromium	52	0.50	"	"	"	"	"	"	
Cobalt	16	0.50	"	"	"	"	"	"	
Copper	57	0.50	"	"	"	"	"	"	
Lead	15	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	44	1.0	"	"	"	"	"	"	
Selenium	64	5.0	"	"	"	"	"	"	
Silver	2.1	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	150	0.50	"	"	"	"	"	"	
Zinc	82	2.5	"	"	"	"	"	"	

D18-0.5' (W003691-02) Soil Sampled: 29-Mar-00 13:45 Received: 30-Mar-00 16:30

Mercury	0.051	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	14	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	79	0.50	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
Chromium	28	0.50	"	"	"	"	"	"	
Cobalt	6.5	0.50	"	"	"	"	"	"	
Copper	10	0.50	"	"	"	"	"	"	
Lead	ND	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	32	1.0	"	"	"	"	"	"	
Selenium	36	5.0	"	"	"	"	"	"	
Silver	1.8	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	78	0.50	"	"	"	"	"	"	
Zinc	26	2.5	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10-0.5' (W003691-03) Soil Sampled: 29-Mar-00 12:00 Received: 30-Mar-00 16:30									
Mercury	0.24	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	19	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	110	0.50	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	0.81	0.50	"	"	"	"	"	"	
Chromium	27	0.50	"	"	"	"	"	"	
Cobalt	8.9	0.50	"	"	"	"	"	"	
Copper	29	0.50	"	"	"	"	"	"	
Lead	26	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	29	1.0	"	"	"	"	"	"	
Selenium	51	5.0	"	"	"	"	"	"	
Silver	2.6	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	100	0.50	"	"	"	"	"	"	
Zinc	62	2.5	"	"	"	"	"	"	

G15-0.5' (W003691-04) Soil Sampled: 29-Mar-00 13:15 Received: 30-Mar-00 16:30									
Mercury	0.19	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	28	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	160	0.50	"	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	"	
Cadmium	ND	0.50	"	"	"	"	"	"	
Chromium	45	0.50	"	"	"	"	"	"	
Cobalt	14	0.50	"	"	"	"	"	"	
Copper	51	0.50	"	"	"	"	"	"	
Lead	21	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	42	1.0	"	"	"	"	"	"	
Selenium	68	5.0	"	"	"	"	"	"	
Silver	3.5	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	150	0.50	"	"	"	"	"	"	
Zinc	160	2.5	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J18-0.5' (W003691-05) Soil Sampled: 29-Mar-00 13:30 Received: 30-Mar-00 16:30									
Mercury	0.48	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	16	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	170	0.50	"	"	"	"	"	"	
Beryllium	1.2	0.50	"	"	"	"	"	"	
Cadmium	0.75	0.50	"	"	"	"	"	"	
Chromium	28	0.50	"	"	"	"	"	"	
Cobalt	17	0.50	"	"	"	"	"	"	
Copper	24	0.50	"	"	"	"	"	"	
Lead	3.8	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	30	1.0	"	"	"	"	"	"	
Selenium	46	5.0	"	"	"	"	"	"	
Silver	2.3	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	100	0.50	"	"	"	"	"	"	
Zinc	39	2.5	"	"	"	"	"	"	
M13-0.5' (W003691-06) Soil Sampled: 29-Mar-00 13:00 Received: 30-Mar-00 16:30									
Mercury	0.14	0.010	mg/kg	1	0D04019	04-Apr-00	04-Apr-00	EPA 7471A	
Antimony	19	5.0	"	"	0C31025	31-Mar-00	03-Apr-00	EPA 6010A	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	130	0.50	"	"	"	"	"	"	
Beryllium	0.60	0.50	"	"	"	"	"	"	
Cadmium	0.52	0.50	"	"	"	"	"	"	
Chromium	31	0.50	"	"	"	"	"	"	
Cobalt	13	0.50	"	"	"	"	"	"	
Copper	40	0.50	"	"	"	"	"	"	
Lead	27	2.5	"	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	"	
Nickel	28	1.0	"	"	"	"	"	"	
Selenium	55	5.0	"	"	"	"	"	"	
Silver	2.2	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	100	0.50	"	"	"	"	"	"	
Zinc	85	2.5	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12-0.5' (W003691-01) Soil Sampled: 29-Mar-00 12:50 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	31-Mar-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	0.20	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12-0.5' (W003691-01) Soil Sampled: 29-Mar-00 12:50 Received: 30-Mar-00 16:30									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	31-Mar-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		98.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	50-150		"	"	"	"	





oma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D18-0.5' (W003691-02) Soil Sampled: 29-Mar-00 13:45 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	31-Mar-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D18-0.5' (W003691-02) Soil Sampled: 29-Mar-00 13:45 Received: 30-Mar-00 16:30									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	31-Mar-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
04-Apr-00 16:18

**Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10-0.5' (W003691-03) Soil Sampled: 29-Mar-00 12:00 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10-0.5' (W003691-03) Soil Sampled: 29-Mar-00 12:00 Received: 30-Mar-00 16:30									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,1-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G15-0.5' (W003691-04) Soil Sampled: 29-Mar-00 13:15 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G15-0.5' (W003691-04) Soil Sampled: 29-Mar-00 13:15 Received: 30-Mar-00 16:30									
I,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	0.11	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.20	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.0 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J18-0.5' (W003691-05) Soil Sampled: 29-Mar-00 13:30 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sephr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J18-0.5' (W003691-05) Soil Sampled: 29-Mar-00 13:30 Received: 30-Mar-00 16:30									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
m-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M13-0.5' (W003691-06) Soil Sampled: 29-Mar-00 13:00 Received: 30-Mar-00 16:30									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M13-0.5' (W003691-06) Soil Sampled: 29-Mar-00 13:00 Received: 30-Mar-00 16:30									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0C30015	31-Mar-00	03-Apr-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
m-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
m-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		96.0 %	50-150	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8		102 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	50-150	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12-0.5' (W003691-01) Soil Sampled: 29-Mar-00 12:50 Received: 30-Mar-00 16:30 R-05,S-01									
Acenaphthene	ND	5.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Aniline	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	25	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	5.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	5.0	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	25	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	25	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	25	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	25	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	25	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	25	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12-0.5' (W003691-01) Soil Sampled: 29-Mar-00 12:50 Received: 30-Mar-00 16:30									R-05,S-01
Di-n-octyl phthalate	ND	5.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	25	"	"	"	"	"	"	
4-Nitroaniline	ND	25	"	"	"	"	"	"	
2-Nitroaniline	ND	25	"	"	"	"	"	"	
4-Nitroaniline	ND	25	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	25	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	25	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		%	25-121		"	"	"	"	
Surrogate: Phenol-d6		%	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		%	23-120		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		%	30-115		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		%	19-122		"	"	"	"	
Surrogate: p-Terphenyl-d14		%	18-137		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D18-0.5' (W003691-02) Soil									R-05
Sampled: 29-Mar-00 13:45 Received: 30-Mar-00 16:30									
Acenaphthene	ND	2.5	mg/kg	5	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	2.5	"	"	"	"	"	"	
Anthracene	ND	2.5	"	"	"	"	"	"	
Aniline	ND	2.5	"	"	"	"	"	"	
Benzoic acid	ND	13	"	"	"	"	"	"	
Benzo (a) anthracene	ND	2.5	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	2.5	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	2.5	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	2.5	"	"	"	"	"	"	
Benzo[a]pyrene	ND	2.5	"	"	"	"	"	"	
Benzyl alcohol	ND	2.5	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	2.5	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	2.5	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	2.5	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	13	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	2.5	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.5	"	"	"	"	"	"	
4-Chloroaniline	ND	13	"	"	"	"	"	"	
2-Chloronaphthalene	ND	2.5	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.5	"	"	"	"	"	"	
2-Chlorophenol	ND	2.5	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	2.5	"	"	"	"	"	"	
Chrysene	ND	2.5	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	2.5	"	"	"	"	"	"	
Dibenzofuran	ND	2.5	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	13	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	13	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	2.5	"	"	"	"	"	"	
Diethyl phthalate	ND	2.5	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	2.5	"	"	"	"	"	"	
Dimethyl phthalate	ND	2.5	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	13	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	13	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.5	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.5	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D18-0.5' (W003691-02) Soil									R-05
Sampled: 29-Mar-00 13:45 Received: 30-Mar-00 16:30									
Di-n-octyl phthalate	ND	2.5	mg/kg	5	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Fluoranthene	ND	2.5	"	"	"	"	"	"	
Fluorene	ND	2.5	"	"	"	"	"	"	
Hexachlorobenzene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	2.5	"	"	"	"	"	"	
Hexachloroethane	ND	2.5	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	2.5	"	"	"	"	"	"	
Isophorone	ND	2.5	"	"	"	"	"	"	
2-Methylnaphthalene	ND	2.5	"	"	"	"	"	"	
2-Methylphenol	ND	2.5	"	"	"	"	"	"	
4-Methylphenol	ND	2.5	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
2-Nitroaniline	ND	13	"	"	"	"	"	"	
4-Nitroaniline	ND	13	"	"	"	"	"	"	
1-Nitroaniline	ND	13	"	"	"	"	"	"	
Nitrobenzene	ND	2.5	"	"	"	"	"	"	
2-Nitrophenol	ND	2.5	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	2.5	"	"	"	"	"	"	
4-Nitrophenol	ND	13	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	2.5	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	2.5	"	"	"	"	"	"	
Pentachlorophenol	ND	13	"	"	"	"	"	"	
Phenanthrene	ND	2.5	"	"	"	"	"	"	
Phenol	ND	2.5	"	"	"	"	"	"	
Pyrene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	13	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	2.5	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		62.6 %	25-121	"	"	"	"	"	
Surrogate: Phenol-d6		95.6 %	24-113	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		98.5 %	23-120	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		115 %	30-115	"	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		%	19-122	"	"	"	"	"	S-01
Surrogate: p-Terphenyl-d14		96.4 %	18-137	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10-0.5' (W003691-03) Soil									R-05,S-01
Sampled: 29-Mar-00 12:00 Received: 30-Mar-00 16:30									
Acenaphthene	ND	5.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Aniline	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	25	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	5.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	5.0	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
(2-ethylhexyl)phthalate	ND	25	"	"	"	"	"	"	
p-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	25	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	25	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	25	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	25	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	25	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G10-0.5' (W003691-03) Soil									R-05,S-01
Sampled: 29-Mar-00 12:00 Received: 30-Mar-00 16:30									
Di-n-octyl phthalate	ND	5.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Fluoranthene	ND	5.0	"	"	"	"	"	"	"
Fluorene	ND	5.0	"	"	"	"	"	"	"
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	"
Hexachlorocyclopentadiene	ND	5.0	"	"	"	"	"	"	"
Hexachloroethane	ND	5.0	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	"
Isophorone	ND	5.0	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	"
2-Methylphenol	ND	5.0	"	"	"	"	"	"	"
4-Methylphenol	ND	5.0	"	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"	"
2-Nitroaniline	ND	25	"	"	"	"	"	"	"
4-Nitroaniline	ND	25	"	"	"	"	"	"	"
1-Nitroaniline	ND	25	"	"	"	"	"	"	"
Nitrobenzene	ND	5.0	"	"	"	"	"	"	"
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	"
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	"
4-Nitrophenol	ND	25	"	"	"	"	"	"	"
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	"
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	"
Pentachlorophenol	ND	25	"	"	"	"	"	"	"
Phenanthrene	ND	5.0	"	"	"	"	"	"	"
Phenol	ND	5.0	"	"	"	"	"	"	"
Pyrene	ND	5.0	"	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	"
2,4,5-Trichlorophenol	ND	25	"	"	"	"	"	"	"
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	"
Surrogate: 2-Fluorophenol		%	25-121	"	"	"	"	"	"
Surrogate: Phenol-d6		%	24-113	"	"	"	"	"	"
Surrogate: Nitrobenzene-d5		%	23-120	"	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl		%	30-115	"	"	"	"	"	"
Surrogate: 2,4,6-Tribromophenol		%	19-122	"	"	"	"	"	"
Surrogate: p-Terphenyl-d14		%	18-137	"	"	"	"	"	"





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G15-0.5' (W003691-04) Soil									R-05,S-01
Sampled: 29-Mar-00 13:15 Received: 30-Mar-00 16:30									
Acenaphthene	ND	10	mg/kg	20	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	10	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
Benzoic acid	ND	50	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	10	"	"	"	"	"	"	
Benzo[a]pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	10	"	"	"	"	"	"	
(2-ethylhexyl)phthalate	ND	50	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	10	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	50	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	50	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G15-0.5' (W003691-04) Soil Sampled: 29-Mar-00 13:15 Received: 30-Mar-00 16:30									
R-05,S-01									
Di-n-octyl phthalate	ND	10	mg/kg	20	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Fluoranthene	ND	10	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	10	"	"	"	"	"	"	
Naphthalene	ND	10	"	"	"	"	"	"	
2-Nitroaniline	ND	50	"	"	"	"	"	"	
3-Nitroaniline	ND	50	"	"	"	"	"	"	
4-Nitroaniline	ND	50	"	"	"	"	"	"	
Nitrobenzene	ND	10	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	50	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	50	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
Phenol	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	50	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		%	25-121		"	"	"	"	
Surrogate: Phenol-d6		%	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		%	23-120		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		%	30-115		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		%	19-122		"	"	"	"	
Surrogate: p-Terphenyl-d14		%	18-137		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J18-0.5' (W003691-05) Soil Sampled: 29-Mar-00 13:30 Received: 30-Mar-00 16:30									
Acenaphthene	ND	1.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	1.0	"	"	"	"	"	"	
Anthracene	ND	1.0	"	"	"	"	"	"	
Aniline	ND	1.0	"	"	"	"	"	"	
Benzoic acid	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	1.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	1.0	"	"	"	"	"	"	
Benzyl alcohol	ND	1.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.0	"	"	"	"	"	"	
(2-ethylhexyl)phthalate	ND	5.0	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	1.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1.0	"	"	"	"	"	"	
4-Chloroaniline	ND	5.0	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1.0	"	"	"	"	"	"	
2-Chlorophenol	ND	1.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1.0	"	"	"	"	"	"	
Chrysene	ND	1.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.0	"	"	"	"	"	"	
Dibenzofuran	ND	1.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1.0	"	"	"	"	"	"	
Diethyl phthalate	ND	1.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	1.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	5.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	1.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1.0	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J18-0.5' (W003691-05) Soil Sampled: 29-Mar-00 13:30 Received: 30-Mar-00 16:30									
Di-n-octyl phthalate	ND	1.0	mg/kg	10	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	R-05
Fluoranthene	ND	1.0	"	"	"	"	"	"	
Fluorene	ND	1.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1.0	"	"	"	"	"	"	
Hexachloroethane	ND	1.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.0	"	"	"	"	"	"	
Isophorone	ND	1.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.0	"	"	"	"	"	"	
2-Methylphenol	ND	1.0	"	"	"	"	"	"	
4-Methylphenol	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
2-Nitroaniline	ND	5.0	"	"	"	"	"	"	
3-Nitroaniline	ND	5.0	"	"	"	"	"	"	
4-Nitroaniline	ND	5.0	"	"	"	"	"	"	
Nitrobenzene	ND	1.0	"	"	"	"	"	"	
2-Nitrophenol	ND	1.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.0	"	"	"	"	"	"	
4-Nitrophenol	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	1.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	1.0	"	"	"	"	"	"	
Pentachlorophenol	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	1.0	"	"	"	"	"	"	
Phenol	ND	1.0	"	"	"	"	"	"	
Pyrene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		48.6 %	25-121		"	"	"	"	
Surrogate: Phenol-d6		51.4 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		51.1 %	23-120		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		55.0 %	30-115		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		42.4 %	19-122		"	"	"	"	
Surrogate: p-Terphenyl-d14		48.0 %	18-137		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M13-0.5' (W003691-06) Soil									R-05
Sampled: 29-Mar-00 13:00 Received: 30-Mar-00 16:30									
Acenaphthene	ND	2.0	mg/kg	20	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Acenaphthylene	ND	2.0	"	"	"	"	"	"	
Anthracene	ND	2.0	"	"	"	"	"	"	
Aniline	ND	2.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	2.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	2.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	2.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	2.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	2.0	"	"	"	"	"	"	
Benzyl alcohol	ND	2.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	2.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	2.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	2.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	2.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10	"	"	"	"	"	"	
2-Chloronaphthalene	ND	2.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.0	"	"	"	"	"	"	
2-Chlorophenol	ND	2.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	2.0	"	"	"	"	"	"	
Chrysene	ND	2.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	2.0	"	"	"	"	"	"	
Dibenzofuran	ND	2.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	2.0	"	"	"	"	"	"	
Diethyl phthalate	ND	2.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	2.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	2.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.0	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M13-0.5' (W003691-06) Soil Sampled: 29-Mar-00 13:00 Received: 30-Mar-00 16:30									
R-05									
Di-n-octyl phthalate	ND	2.0	mg/kg	20	0C31007	31-Mar-00	04-Apr-00	EPA 8270B	
Fluoranthene	ND	2.0	"	"	"	"	"	"	
Fluorene	ND	2.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	2.0	"	"	"	"	"	"	
Hexachloroethane	ND	2.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	2.0	"	"	"	"	"	"	
Isophorone	ND	2.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	2.0	"	"	"	"	"	"	
2-Methylphenol	ND	2.0	"	"	"	"	"	"	
4-Methylphenol	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	10	"	"	"	"	"	"	
Nitrobenzene	ND	2.0	"	"	"	"	"	"	
2-Nitrophenol	ND	2.0	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	2.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	2.0	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	2.0	"	"	"	"	"	"	
Phenol	ND	2.0	"	"	"	"	"	"	
Pyrene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	2.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		70.6 %	25-121		"	"	"	"	
Surrogate: Phenol-d6		78.2 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		74.2 %	23-120		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		82.9 %	30-115		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		68.0 %	19-122		"	"	"	"	
Surrogate: p-Terphenyl-d14		69.1 %	18-137		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31025 - EPA 3050B

Blank (0C31025-BLK1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Cadmium	ND	0.50	mg/kg							
Chromium	ND	0.50	"							
Copper	ND	0.50	"							
Lead	3.00	2.5	"							
Nickel	ND	1.0	"							
Zinc	ND	2.5	"							

LCS (0C31025-BS1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Cadmium	52.1	0.50	mg/kg	50.0		104	80-120			
Chromium	55.4	0.50	"	50.0		111	80-120			
Copper	52.5	0.50	"	50.0		105	80-120			
Lead	51.7	2.5	"	50.0		103	80-120			
Nickel	53.9	1.0	"	50.0		108	80-120			
Zinc	53.5	2.5	"	50.0		107	80-120			

LCS Dup (0C31025-BSD1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Cadmium	54.0	0.50	mg/kg	50.0		108	80-120	3.58	20	
Chromium	58.8	0.50	"	50.0		118	80-120	5.95	20	
Copper	53.0	0.50	"	50.0		106	80-120	0.948	20	
Lead	60.0	2.5	"	50.0		120	80-120	14.9	20	
Nickel	57.0	1.0	"	50.0		114	80-120	5.59	20	
Zinc	57.0	2.5	"	50.0		114	80-120	6.33	20	

Matrix Spike (0C31025-MS1)

Source: W003671-10

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Cadmium	47.9	0.50	mg/kg	50.0	1.5	92.8	80-120			
Chromium	85.4	0.50	"	50.0	37	96.8	80-120			
Copper	125	0.50	"	50.0	82	86.0	80-120			
Lead	190	2.5	"	50.0	120	140	80-120			Q-01
Nickel	80.6	1.0	"	50.0	35	91.2	80-120			
Zinc	363	2.5	"	50.0	290	146	80-120			Q-02





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0C31025 - EPA 3050B										
Matrix Spike Dup (0C31025-MSD1)		Source: W003671-10			Prepared: 31-Mar-00 Analyzed: 03-Apr-00					
Cadmium	55.3	0.50	mg/kg	50.0	1.5	108	80-120	14.3	20	
Chromium	91.0	0.50	"	50.0	37	108	80-120	6.35	20	
Copper	115	0.50	"	50.0	82	66.0	80-120	8.33	20	Q-01
Lead	160	2.5	"	50.0	120	80.0	80-120	17.1	20	
Nickel	93.2	1.0	"	50.0	35	116	80-120	14.5	20	
Zinc	293	2.5	"	50.0	290	6.00	80-120	21.3	20	Q-02
Batch 0D04019 - EPA 7471A										
Blank (0D04019-BLK1)		Prepared & Analyzed: 04-Apr-00								
Mercury	ND	0.010	mg/kg							
LCS (0D04019-BS1)		Prepared & Analyzed: 04-Apr-00								
Mercury	0.112	0.010	mg/kg	0.100		112	75-125			
LCS Dup (0D04019-BSD1)		Prepared & Analyzed: 04-Apr-00								
Mercury	0.113	0.010	mg/kg	0.100		113	75-125	0.889	20	
Matrix Spike (0D04019-MS1)		Source: W003691-05			Prepared & Analyzed: 04-Apr-00					
Mercury	0.228	0.020	mg/kg	0.100	0.48	-232	75-125			Q-02
Matrix Spike Dup (0D04019-MSD1)		Source: W003691-05			Prepared & Analyzed: 04-Apr-00					
Mercury	0.240	0.020	mg/kg	0.100	0.48	-240	75-125	5.13	20	Q-02





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
04-Apr-00 16:18

**Volatile Organic Compounds by EPA Method 8260A - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C30015 - EPA 5030B [MeOH]

Blank (0C30015-BLK2)

Prepared & Analyzed: 31-Mar-00

Dichlorodifluoromethane	ND	0.10	mg/kg
Chloromethane	ND	0.10	"
Vinyl chloride	ND	0.10	"
Bromomethane	ND	0.10	"
Chloroethane	ND	0.10	"
Trichlorofluoromethane	ND	0.10	"
1,1-Dichloroethene	ND	0.10	"
Methylene chloride	ND	0.50	"
trans-1,2-Dichloroethene	ND	0.10	"
1,1-Dichloroethane	ND	0.10	"
2,2-Dichloropropane	ND	0.10	"
1,2-Dichloroethene	ND	0.10	"
Bromochloromethane	ND	0.10	"
Chloroform	ND	0.10	"
1,1,1-Trichloroethane	ND	0.10	"
Carbon tetrachloride	ND	0.10	"
1,1-Dichloropropene	ND	0.10	"
Benzene	ND	0.10	"
1,2-Dichloroethane	ND	0.10	"
Trichloroethene	ND	0.10	"
1,2-Dichloropropane	ND	0.10	"
Dibromomethane	ND	0.10	"
Bromodichloromethane	ND	0.10	"
cis-1,3-Dichloropropene	ND	0.10	"
Toluene	ND	0.10	"
trans-1,3-Dichloropropene	ND	0.10	"
1,1,2-Trichloroethane	ND	0.10	"
Tetrachloroethene	ND	0.10	"
1,3-Dichloropropane	ND	0.10	"
Dibromochloromethane	ND	0.10	"
1,2-Dibromoethane	ND	0.10	"
Chlorobenzene	ND	0.10	"
Ethylbenzene	ND	0.10	"
Total Xylenes	ND	0.10	"

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C30015 - EPA 5030B [MeOH]

Blank (0C30015-BLK2)

Prepared & Analyzed: 31-Mar-00

1,1,1,2-Tetrachloroethane	ND	0.10	mg/kg							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
Bromobenzene	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Naphthalene	ND	0.50	"							
Hexachlorobutadiene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	2.65		"	2.50		106	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2.50		104	50-150			
Surrogate: Toluene-d8	2.40		"	2.50		96.0	50-150			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C30015 - EPA 5030B [MeOH]

LCS (0C30015-BS2)

Prepared & Analyzed: 31-Mar-00

1,1-Dichloroethene	3.00	0.10	mg/kg	2.50		120	65-135			
Benzene	3.19	0.10	"	2.50		128	70-130			
Trichloroethene	3.09	0.10	"	2.50		124	70-130			
Toluene	3.08	0.10	"	2.50		123	70-130			
Chlorobenzene	2.40	0.10	"	2.50		96.0	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2.60		"	2.50		104	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: Toluene-d8</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.50		"	2.50		100	50-150			

Matrix Spike (0C30015-MS1)

Source: W003673-01

Prepared & Analyzed: 30-Mar-00

1,1-Dichloroethene	2.34	0.10	mg/kg	2.50	ND	93.6	60-140			
Benzene	2.39	0.10	"	2.50	ND	95.6	60-140			
Trichloroethene	2.29	0.10	"	2.50	ND	91.6	60-140			
Toluene	2.29	0.10	"	2.50	ND	91.6	60-140			
Chlorobenzene	2.23	0.10	"	2.50	ND	89.2	60-140			
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: Toluene-d8</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98.0	50-150			

Matrix Spike Dup (0C30015-MSD1)

Source: W003673-01

Prepared & Analyzed: 30-Mar-00

1,1-Dichloroethene	2.70	0.10	mg/kg	2.50	ND	108	60-140	14.3	25	
Benzene	2.78	0.10	"	2.50	ND	111	60-140	15.1	25	
Trichloroethene	2.64	0.10	"	2.50	ND	106	60-140	14.2	25	
Toluene	2.61	0.10	"	2.50	ND	104	60-140	13.1	25	
Chlorobenzene	2.58	0.10	"	2.50	ND	103	60-140	14.6	25	
<i>Surrogate: Dibromofluoromethane</i>	2.60		"	2.50		104	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	50-150			
<i>Surrogate: Toluene-d8</i>	2.45		"	2.50		98.0	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		"	2.50		96.0	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31007 - EPA 3550A

Blank (0C31007-BLK1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Acenaphthene	ND	0.10	mg/kg							
Acenaphthylene	ND	0.10	"							
Anthracene	ND	0.10	"							
Aniline	ND	0.10	"							
Benzoic acid	ND	0.50	"							
Benzo (a) anthracene	ND	0.10	"							
Benzo (b) fluoranthene	ND	0.10	"							
Benzo (k) fluoranthene	ND	0.10	"							
Benzo (ghi) perylene	ND	0.10	"							
Benzo[a]pyrene	ND	0.10	"							
Benzyl alcohol	ND	0.10	"							
Bis(2-chloroethoxy)methane	ND	0.10	"							
Bis(2-chloroethyl)ether	ND	0.10	"							
Bis(2-chloroisopropyl)ether	ND	0.10	"							
Bis(2-ethylhexyl)phthalate	ND	0.50	"							
4-Bromophenyl phenyl ether	ND	0.10	"							
Butyl benzyl phthalate	ND	0.10	"							
4-Chloroaniline	ND	0.50	"							
2-Chloronaphthalene	ND	0.10	"							
4-Chloro-3-methylphenol	ND	0.10	"							
2-Chlorophenol	ND	0.10	"							
4-Chlorophenyl phenyl ether	ND	0.10	"							
Chrysene	ND	0.10	"							
Dibenz (a,h) anthracene	ND	0.10	"							
Dibenzofuran	ND	0.10	"							
Di-n-butyl phthalate	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
3,3'-Dichlorobenzidine	ND	0.50	"							
2,4-Dichlorophenol	ND	0.10	"							
Diethyl phthalate	ND	0.10	"							
2,4-Dimethylphenol	ND	0.10	"							
Dimethyl phthalate	ND	0.10	"							

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31007 - EPA 3550A

Blank (0C31007-BLK1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

4,6-Dinitro-2-methylphenol	ND	0.50	mg/kg							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.10	"							
2,6-Dinitrotoluene	ND	0.10	"							
Di-n-octyl phthalate	ND	0.10	"							
Fluoranthene	ND	0.10	"							
Fluorene	ND	0.10	"							
Hexachlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Hexachlorocyclopentadiene	ND	0.10	"							
Hexachloroethane	ND	0.10	"							
Indeno (1,2,3-cd) pyrene	ND	0.10	"							
Chlorone	ND	0.10	"							
2-Methylnaphthalene	ND	0.10	"							
2-Methylphenol	ND	0.10	"							
4-Methylphenol	ND	0.10	"							
Naphthalene	ND	0.10	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.10	"							
2-Nitrophenol	ND	0.10	"							
N-Nitrosodimethylamine	ND	0.10	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodiphenylamine	ND	0.10	"							
N-Nitrosodi-n-propylamine	ND	0.10	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.10	"							
Phenol	ND	0.10	"							
Pyrene	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.10	"							

Surrogate: 2-Fluorophenol 3.73 " 5.00 74.6 25-121

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31007 - EPA 3550A

Blank (0C31007-BLK1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Surrogate: Phenol-d6	3.53		mg/kg	5.00		70.6	24-113			
Surrogate: Nitrobenzene-d5	2.49		"	3.33		74.8	23-120			
Surrogate: 2-Fluorobiphenyl	2.69		"	3.33		80.8	30-115			
Surrogate: 2,4,6-Tribromophenol	3.47		"	5.00		69.4	19-122			
Surrogate: p-Terphenyl-d14	2.44		"	3.33		73.3	18-137			

LCS (0C31007-BS1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Acenaphthene	2.44	0.10	mg/kg	3.33		73.3	31-137			
4-Chloro-3-methylphenol	3.83	0.10	"	5.00		76.6	26-103			
2-Chlorophenol	3.80	0.10	"	5.00		76.0	25-102			
1,4-Dichlorobenzene	2.46	0.10	"	3.33		73.9	28-104			
2,4-Dinitrotoluene	2.48	0.10	"	3.33		74.5	28-89			
4-Nitrophenol	3.40	0.50	"	5.00		68.0	11-114			
N-Nitrosodi-n-propylamine	2.68	0.10	"	3.33		80.5	41-126			
Pentachlorophenol	3.63	0.50	"	5.00		72.6	17-109			
Phenol	3.37	0.10	"	5.00		67.4	26-90			
Pyrene	2.29	0.10	"	3.33		68.8	35-142			
1,2,4-Trichlorobenzene	2.55	0.10	"	3.33		76.6	38-107			
Surrogate: 2-Fluorophenol	3.97		"	5.00		79.4	25-121			
Surrogate: Phenol-d6	3.77		"	5.00		75.4	24-113			
Surrogate: Nitrobenzene-d5	2.66		"	3.33		79.9	23-120			
Surrogate: 2-Fluorobiphenyl	2.69		"	3.33		80.8	30-115			
Surrogate: 2,4,6-Tribromophenol	3.97		"	5.00		79.4	19-122			
Surrogate: p-Terphenyl-d14	2.21		"	3.33		66.4	18-137			

LCS Dup (0C31007-BSD1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

Acenaphthene	2.23	0.10	mg/kg	3.33		67.0	31-137	8.99	40	
4-Chloro-3-methylphenol	3.60	0.10	"	5.00		72.0	26-103	6.19	40	
2-Chlorophenol	3.50	0.10	"	5.00		70.0	25-102	8.22	40	
1,4-Dichlorobenzene	2.23	0.10	"	3.33		67.0	28-104	9.81	40	
2,4-Dinitrotoluene	2.25	0.10	"	3.33		67.6	28-89	9.73	40	
4-Nitrophenol	3.04	0.50	"	5.00		60.8	11-114	11.2	40	
N-Nitrosodi-n-propylamine	2.53	0.10	"	3.33		76.0	41-126	5.76	40	
Pentachlorophenol	3.29	0.50	"	5.00		65.8	17-109	9.83	40	
Phenol	3.10	0.10	"	5.00		62.0	26-90	8.35	40	
Pyrene	2.15	0.10	"	3.33		64.6	35-142	6.31	40	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31007 - EPA 3550A

LCS Dup (0C31007-BSD1)

Prepared: 31-Mar-00 Analyzed: 03-Apr-00

1,2,4-Trichlorobenzene	2.34	0.10	mg/kg	3.33		70.3	38-107	8.59	40	
Surrogate: 2-Fluorophenol	3.70		"	5.00		74.0	25-121			
Surrogate: Phenol-d6	3.57		"	5.00		71.4	24-113			
Surrogate: Nitrobenzene-d5	2.51		"	3.33		75.4	23-120			
Surrogate: 2-Fluorobiphenyl	2.56		"	3.33		76.9	30-115			
Surrogate: 2,4,6-Tribromophenol	3.77		"	5.00		75.4	19-122			
Surrogate: p-Terphenyl-d14	2.10		"	3.33		63.1	18-137			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
04-Apr-00 16:18

Notes and Definitions

- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- Q-02 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- R-05 The reporting limit(s) for this sample have been raised due to high levels of non-target compounds.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek
404 N. Wiget Lane
Walnut Creek CA, 94598

Project: Dimple Sharma
Project Number: W003691
Project Manager: Dimple Sharma

Reported:
04/04/00 11:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W003691-01	BOC0655-01	Soil	03/29/00 12:50	03/31/00 09:00
W003691-02	BOC0655-02	Soil	03/29/00 13:45	03/31/00 09:00
W003691-03	BOC0655-03	Soil	03/29/00 12:00	03/31/00 09:00
W003691-04	BOC0655-04	Soil	03/29/00 13:15	03/31/00 09:00
W003691-05	BOC0655-05	Soil	03/29/00 13:30	03/31/00 09:00
W003691-06	BOC0655-06	Soil	03/29/00 13:00	03/31/00 09:00

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Amar Gill, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	-----------------------------

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

W003691-01 (B0C0655-01) Soil Sampled: 03/29/00 12:50 Received: 03/31/00 09:00

Aroclor 1016	ND	250	ug/kg	5	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	250	"	"	"	"	"	"	"
Aroclor 1232	ND	250	"	"	"	"	"	"	"
Aroclor 1242	ND	250	"	"	"	"	"	"	"
Aroclor 1248	ND	250	"	"	"	"	"	"	"
Aroclor 1254	ND	250	"	"	"	"	"	"	"
Aroclor 1260	1100	250	"	"	"	"	"	"	"
Aroclor 1262	ND	250	"	"	"	"	"	"	"
Aroclor 1268	ND	250	"	"	"	"	"	"	"
Surrogate: TCX	85.5 %	40-130			"	"	"	"	"
Surrogate: Decachlorobiphenyl	126 %	40-130			"	"	"	"	"

W003691-02 (B0C0655-02) Soil Sampled: 03/29/00 13:45 Received: 03/31/00 09:00

Aroclor 1016	ND	50.0	ug/kg	1	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	"
Aroclor 1232	ND	50.0	"	"	"	"	"	"	"
Aroclor 1242	ND	50.0	"	"	"	"	"	"	"
Aroclor 1248	ND	50.0	"	"	"	"	"	"	"
Aroclor 1254	ND	50.0	"	"	"	"	"	"	"
Aroclor 1260	134	50.0	"	"	"	"	"	"	"
Aroclor 1262	ND	50.0	"	"	"	"	"	"	"
Aroclor 1268	ND	50.0	"	"	"	"	"	"	"
Surrogate: TCX	98.7 %	40-130			"	"	"	"	"
Surrogate: Decachlorobiphenyl	110 %	40-130			"	"	"	"	"

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	-----------------------------

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

W003691-03 (B0C0655-03) Soil Sampled: 03/29/00 12:00 Received: 03/31/00 09:00

Aroclor 1016	ND	550	ug/kg	11	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	550	"	"	"	"	"	"	
Aroclor 1232	ND	550	"	"	"	"	"	"	
Aroclor 1242	ND	550	"	"	"	"	"	"	
Aroclor 1248	ND	550	"	"	"	"	"	"	
Aroclor 1254	ND	550	"	"	"	"	"	"	
Aroclor 1260	1520	550	"	"	"	"	"	"	
Aroclor 1262	ND	550	"	"	"	"	"	"	
Aroclor 1268	ND	550	"	"	"	"	"	"	
<i>Surrogate: TCX</i>	74.2 %	40-130			"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	108 %	40-130			"	"	"	"	

W003691-04 (B0C0655-04) Soil Sampled: 03/29/00 13:15 Received: 03/31/00 09:00

Aroclor 1016	ND	2550	ug/kg	51	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	2550	"	"	"	"	"	"	
Aroclor 1232	ND	2550	"	"	"	"	"	"	
Aroclor 1242	ND	2550	"	"	"	"	"	"	
Aroclor 1248	ND	2550	"	"	"	"	"	"	
Aroclor 1254	ND	2550	"	"	"	"	"	"	
Aroclor 1260	9130	2550	"	"	"	"	"	"	
Aroclor 1262	ND	2550	"	"	"	"	"	"	
Aroclor 1268	ND	2550	"	"	"	"	"	"	
<i>Surrogate: TCX</i>	98.7 %	40-130			"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	156 %	40-130			"	"	"	"	S-06

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek
 404 N. Wiget Lane
 Walnut Creek CA, 94598

Project: Dimple Sharma
 Project Number: W003691
 Project Manager: Dimple Sharma

Reported:
 04/04/00 11:50

Polychlorinated Biphenyls by EPA Method 8082
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W003691-05 (B0C0655-05) Soil Sampled: 03/29/00 13:30 Received: 03/31/00 09:00									
Aroclor 1016	ND	5050	ug/kg	101	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	5050	"	"	"	"	"	"	
Aroclor 1232	ND	5050	"	"	"	"	"	"	
Aroclor 1242	ND	5050	"	"	"	"	"	"	
Aroclor 1248	ND	5050	"	"	"	"	"	"	
Aroclor 1254	ND	5050	"	"	"	"	"	"	
Aroclor 1260	18600	5050	"	"	"	"	"	"	
Aroclor 1262	ND	5050	"	"	"	"	"	"	
Aroclor 1268	ND	5050	"	"	"	"	"	"	

Surrogate: TCX 125 % 40-130 " " " " " " " " S-06
 Surrogate: Decachlorobiphenyl 249 % 40-130 " " " " " " " " " "

W003691-06 (B0C0655-06) Soil Sampled: 03/29/00 13:00 Received: 03/31/00 09:00									
Aroclor 1016	ND	250	ug/kg	5	0C31010	03/31/00	04/02/00	EPA 8082	
Aroclor 1221	ND	250	"	"	"	"	"	"	
Aroclor 1232	ND	250	"	"	"	"	"	"	
Aroclor 1242	ND	250	"	"	"	"	"	"	
Aroclor 1248	ND	250	"	"	"	"	"	"	
Aroclor 1254	ND	250	"	"	"	"	"	"	
Aroclor 1260	653	250	"	"	"	"	"	"	
Aroclor 1262	ND	250	"	"	"	"	"	"	
Aroclor 1268	ND	250	"	"	"	"	"	"	

Surrogate: TCX 81.1 % 40-130 " " " " " " " " " "
 Surrogate: Decachlorobiphenyl 103 % 40-130 " " " " " " " " " "

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	-----------------------------

Physical Parameters by APHA/ASTM/EPA Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W003691-01 (B0C0655-01) Soil Sampled: 03/29/00 12:50 Received: 03/31/00 09:00									
Dry Weight	94.5	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	
W003691-02 (B0C0655-02) Soil Sampled: 03/29/00 13:45 Received: 03/31/00 09:00									
Dry Weight	95.8	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	
W003691-03 (B0C0655-03) Soil Sampled: 03/29/00 12:00 Received: 03/31/00 09:00									
Dry Weight	84.6	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	
W003691-04 (B0C0655-04) Soil Sampled: 03/29/00 13:15 Received: 03/31/00 09:00									
Dry Weight	88.8	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	
W003691-05 (B0C0655-05) Soil Sampled: 03/29/00 13:30 Received: 03/31/00 09:00									
Dry Weight	87.5	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	
W003691-06 (B0C0655-06) Soil Sampled: 03/29/00 13:00 Received: 03/31/00 09:00									
Dry Weight	86.9	1.00	%	1	0C31017	03/31/00	04/03/00	BSOPSP003R07	

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	-----------------------------

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0C31010: Prepared 03/31/00 Using EPA 3550B

Blank (0C31010-BLK1)

Aroclor 1016	ND	50.0	ug/kg							
Aroclor 1221	ND	50.0	"							
Aroclor 1232	ND	50.0	"							
Aroclor 1242	ND	50.0	"							
Aroclor 1248	ND	50.0	"							
Aroclor 1254	ND	50.0	"							
Aroclor 1260	ND	50.0	"							
Aroclor 1262	ND	50.0	"							
Aroclor 1268	ND	50.0	"							
Surrogate: TCX	6.70		"	6.67		100	40-130			
Surrogate: Decachlorobiphenyl	6.54		"	6.67		98.1	40-130			

LCS (0C31010-BS1)

Aroclor 1260	316	50.0	ug/kg	333		94.9	37-98			
Surrogate: TCX	5.91		"	6.67		88.6	40-130			
Surrogate: Decachlorobiphenyl	7.23		"	6.67		108	40-130			

Matrix Spike (0C31010-MS1)

Source: B0C0655-06

Aroclor 1260	1020	250	ug/kg	333	653	110	37-98			Q-02
Surrogate: TCX	5.41		"	6.67		81.1	40-130			
Surrogate: Decachlorobiphenyl	8.25		"	6.67		124	40-130			

Matrix Spike Dup (0C31010-MSD1)

Source: B0C0655-06

Aroclor 1260	885	250	ug/kg	333	653	69.7	37-98	14.2	38	
Surrogate: TCX	6.35		"	6.67		95.2	40-130			
Surrogate: Decachlorobiphenyl	8.79		"	6.67		132	40-130			S-06

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amar Gill, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	-----------------------------

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0C31017: Prepared 03/31/00 Using Dry Weight										
Blank (0C31017-BLK1)										
Dry Weight	100	1.00	%							
Blank (0C31017-BLK2)										
Dry Weight	100	1.00	%							
Blank (0C31017-BLK3)										
Dry Weight	100	1.00	%							
Blank (0C31017-BLK4)										
Dry Weight	100	1.00	%							
Blank (0C31017-BLK5)										
Dry Weight	100	1.00	%							

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


 Amar Gill, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 18939 120th Avenue NE, Suite 101, Bothell, WA 98011-9508
 425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588


Sequoia Analytical - Walnut Creek 404 N. Wiget Lane Walnut Creek CA, 94598	Project: Dimple Sharma Project Number: W003691 Project Manager: Dimple Sharma	Reported: 04/04/00 11:50
--	---	------------------------------------

Notes and Definitions

- Q-02 The spike recovery for this QC sample is outside of NCA established control limits due to sample matrix interference.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


 Amar Gill, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SEQUOIA ANALYTICAL CHAIN OF CUSTODY

885 Jarvis Ave • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-637
 819 Striker Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-1100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

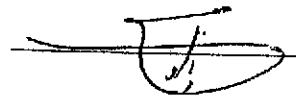
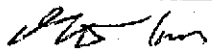
Company Name: <u>SOMA Environmental Eng.</u>		Project Name: <u>2178 CBS on-site</u>	
Mailing Address: <u>2680 Bishop Dr. suite 203</u>		Billing Address (if different):	
City: <u>San Ramon</u>	State: <u>CA</u>	Zip Code: <u>94583</u>	<u>W003691</u>
Telephone: <u>925 244 6600</u>		FAX #: <u>925 244 6601</u>	P.O. #:
Report To: <u>Mansour Sepehr</u>	Sampler: <u>Nasei Pakrou</u>	QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround 10-15 Working Days 3 Working Days 2-8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Drinking Water
 Waste Water
 Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	REB's 8082	VOC B160	SWOC B770	CAM 17 TLE	Other				Comments
1. C12-0.5'	3/29 12:50	Soil	1	Tube	01A-B	✓	✓	✓	✓					
2. D18-0.5'	" 1:45	"	1	"	02	✓	✓	✓	✓					
3. G10-0.5'	" 12:00	"	1	"	03	✓	✓	✓	✓					
4. G15-0.5'	" 1:15	"	1	"	04	✓	✓	✓	✓					
5. J18-0.5'	" 1:30	"	1	"	05	✓	✓	✓	✓					
6. M13-0.5'	" 1:00	"	1	"	06	✓	✓	✓	✓					
7.														
8.														
9.														
10.														

Relinquished By: 	Date: <u>3/30</u>	Time: <u>4:30</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: 	Date: <u>3/30</u>	Time: <u>16:30</u>

Were Samples Received in Good Condition? Yes No

Samples on Ice? Yes No

Pink - Client
 Yellow - Sequoia
 White - Sequoia



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com


13 April, 2000

Mansour Sepehr
Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon, CA. 94583

RE: 2178 CBS On-Site
Sequoia Report: W004097

Enclosed are the results of analyses for samples received by the laboratory on 05-Apr-00 15:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Dimple Sharma
Project Manager

CA ELAP Certificate #1271





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
13-Apr-00 16:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C12,D18,G10,G15,J18,M13-0.5' Comp	W004097-01	Soil	29-Mar-00 10:50	05-Apr-00 15:05





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
13-Apr-00 16:08

**STLC CAM Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C12,D18,G10,G15,J18,M13-0.5' Comp (W004097-01) Soil									
				Sampled: 29-Mar-00 10:50		Received: 05-Apr-00 15:05			
Chromium	0.52	0.10	mg/l	10	0D06034	06-Apr-00	13-Apr-00	EPA 6010A	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
13-Apr-00 16:08

STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0D06034 - Title 22-STLC										
Blank (0D06034-BLK1)										
Chromium	ND	0.10	mg/l							Prepared: 06-Apr-00 Analyzed: 13-Apr-00
LCS (0D06034-BS1)										
Chromium	10.0	0.10	mg/l	10.0		100	80-120			Prepared: 06-Apr-00 Analyzed: 13-Apr-00
LCS Dup (0D06034-BSD1)										
Chromium	10.0	0.10	mg/l	10.0		100	80-120	0	20	Prepared: 06-Apr-00 Analyzed: 13-Apr-00
Post Spike (0D06034-PS1)										
Chromium	11.0	0.10	mg/l	10.0	0.52	105	80-120			Source: W004097-01 Prepared: 06-Apr-00 Analyzed: 13-Apr-00
Post Spike (0D06034-PS2)										
Chromium	11.0	0.10	mg/l	10.0	0.52	105	80-120			Source: W004097-01 Prepared: 06-Apr-00 Analyzed: 13-Apr-00





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
13-Apr-00 16:08

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 732-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

CLIENT:

Sama Env.

MATRIX:

Soil

PREVIOUSLY LOGGED SAMPLES

TAT

Change status to:

3 days

W004097

Change status as of Day: 4/5/00 Time: 1505

CHANGE ANALYSES

Add Analyses

Cancel Analyses

Sequoia Project ID:

W003691

Sample Number

Analyses

0401

W003691-01 thru 06

STLC - CR

SAMPLES ON HOLD

Sample Description

Analyses

Client Authorization (Person/Date/Time):

Mansour 4/5/00 1505

Project Manager:

Dimple Sharma



APR-04-2000 09:00 AM JEFF CZAPLA
 FROM : SOMA ENVIRONMENTAL ENGINEERING
 916 3691826x2000 3:05PM P P02
 PHONE NO. : 510 244 6601

04/04/00 11:10 ☐ :06/06 NO:075
 925 988 9673



SEQUOIA ANALYTICAL CHAIN OF CUSTODY

☐ 819 Striker Ave Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 ☐ 404 N. Wigmore • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 ☐ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 ☐ 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: <u>SOMA Environmental Eng.</u>		Project Name: <u>2178 CBS on-site</u>	
Mailing Address: <u>2680 Bishop Dr. suite 203</u>		Billing Address (if different):	
City: <u>San Ramon</u>	State: <u>CA</u>	Zip Code: <u>94583</u>	<u>W003691</u>
Telephone: <u>925 244 6600</u>		FAX #: <u>925 244 6601</u>	P.O. #:
Report To: <u>Monsieur Sepelhy</u>	Sampler: <u>Nasei, PAKTOV</u>	QC Data: <input checked="" type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround 10-15 Working Days 3 Working Days 2-8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Analyses Requested
 Drinking Water
 Waste Water
 Other

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	REG 3082	VOC B160	SWOC B170	CPM 17120	STLC Chromat	Comments
1. C12-0.5'	3/29 12:50	soil	1	Tube	01A	✓	✓	✓	✓		
2. D18-0.5'	" 1:45	"	1	"	02	✓	✓	✓	✓		
3. G10-0.5'	" 12:00	"	1	"	03	✓	✓	✓	✓	Compositio one and analyse for chromium STLC	
4. G15-0.5'	" 1:15	"	1	"	04	✓	✓	✓	✓		
5. J18-0.5'	" 1:30	"	1	"	05	✓	✓	✓	✓		
6. M13-0.5'	" 1:00	"	1	"	06	✓	✓	✓	✓		
7.											
8.											
9.											
10.											

Relinquished By: <u>[Signature]</u>	Date: <u>3/30</u>	Time: <u>4:30</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>[Signature]</u>	Date: <u>3/30</u>	Time: <u>16:30</u>

White - Service Yellow - Service

Table 7

Analytical Results on Composite Soil Samples Collected From the
Stockpiled Soils of A4 on April 12, 2000

Analyte	Laboratory results(ug/kg)
Gasoline	ND
Benzene	ND
Toluene	ND
Ethylebenzene	37
m, p-Xylenes	17
o-Xylene	51
PCB as Aroclor-1260	4,900



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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 02-MAY-00
Lab Job Number: 145010
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: Anna Papantou
Project Manager

Reviewed by: Trent Morrison for JG
Operations Manager

This package may be reproduced only in its entirety.

Laboratory Number: 145010
Client: SOMA Environmental Engineering
Location: CBS On Site
Project #: 2178

Received Date: 04/13/00

CASE NARRATIVE

This hardcopy data package contains sample and QC results for one composite soil sample that was received on April 13, 2000.

TPH-Purgeable Hydrocarbons and BTXE: The matrix spike and spike duplicate were not reported because the sample results were greater than four times the spike amount. This would have caused the results to be not meaningful. The spike recoveries in the laboratory were within criteria. No other analytical problems were encountered.

PCBs: Sample COMP A4-(1-4) (CT#145010-005) was diluted due to high levels of a target compound causing the surrogates to be diluted out. The matrix spike and spike duplicate were not reported because the sample result was greater than four times the spike amount. This would have caused the results to be not meaningful. The spike recovery in the laboratory control sample was within criteria. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # M5610

Analyses

Project No: 2178

Sampler: Naser Pakrou

Project Name: CBS on site

Report To: Naser Pakrou

Project P.O.:

Company: SOMA ENV. Eng.

Turnaround Time: 3 days

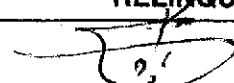
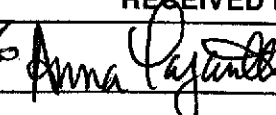
Telephone: 925 244 6600

Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
F O R A T O R Y U S E	A4-1	4/13/00	✓			1					} Composite to one "A4"
	A4-2	" 9:30 AM	✓			1					
	A4-3	" "	✓			1					
	A4-4	" "	✓			1					

PCBS 8082- BTXs TPHg																				

Notes:
 Sample is 750ppm
 very hot.
 Call w/ Results.
 directly from field
 Rec'd Ambient
 Signature

RELINQUISHED BY:		RECEIVED BY:	
	4/13/00 10:46		4/13/00 10:46
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME



Gasoline by GC/FID CA LUFT

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Field ID:	COMP A4-(1-4)	Batch#:	55148
Matrix:	Soil	Sampled:	04/13/00
Units:	mg/Kg	Received:	04/13/00
Basis:	wet	Analyzed:	04/17/00
Diln Fac:	1.000		

Type: SAMPLE Lab ID: 145010-005

Analyte	Result	RL
Gasoline C7-C12	ND	0.93

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	62-138
Bromofluorobenzene (FID)	110	46-150

Type: BLANK Lab ID: QC113000

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	62-138
Bromofluorobenzene (FID)	108	46-150



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Field ID:	COMP A4-(1-4)	Batch#:	55148
Matrix:	Soil	Sampled:	04/13/00
Units:	ug/Kg	Received:	04/13/00
Basis:	wet	Analyzed:	04/17/00
Diln Fac:	1.000		

Type: SAMPLE Lab ID: 145010-005

Analyte	Result	RL
Benzene	ND	4.7
Toluene	ND	4.7
Ethylbenzene	37	4.7
m,p-Xylenes	17	4.7
o-Xylene	51	4.7

Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	65-134
Bromofluorobenzene (PID)	106	55-138

Type: BLANK Lab ID: QC113000

Analyte	Result	RL
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	65-134
Bromofluorobenzene (PID)	101	55-138

Gasoline by GC/FID CA LUFT

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Type:	LCS	Basis:	wet
Lab ID:	QC113001	Diln Fac:	1.000
Matrix:	Soil	Batch#:	55148
Units:	mg/Kg	Analyzed:	04/17/00

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.922	99	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	62-138
Bromofluorobenzene (FID)	105	46-150



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Type:	LCS	Basis:	wet
Lab ID:	QC113002	Diln Fac:	1.000
Matrix:	Soil	Batch#:	55148
Units:	ug/Kg	Analyzed:	04/17/00

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	79.76	80	68-117
Toluene	100.0	96.40	96	70-120
Ethylbenzene	100.0	96.04	96	67-124
m,p-Xylenes	200.0	198.0	99	72-124
o-Xylene	100.0	99.24	99	72-123

Surrogate	%REC	Limits
Trifluorotoluene (PID)	98	65-134
Bromofluorobenzene (PID)	96	55-138

Polychlorinated Biphenyls (PCBs)

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Field ID:	COMP A4-(1-4)	Batch#:	55109
Matrix:	Soil	Sampled:	04/13/00
Units:	ug/Kg	Received:	04/13/00
Basis:	wet	Prepared:	04/13/00

Type: SAMPLE Diln Fac: 40.00
 Lab ID: 145010-005 Analyzed: 04/18/00

Analyte	Result	RL
Aroclor-1016	ND	480
Aroclor-1221	ND	480
Aroclor-1232	ND	480
Aroclor-1242	ND	480
Aroclor-1248	ND	480
Aroclor-1254	ND	480
Aroclor-1260	4,900	480

Surrogate	%REC	Limits
TCMX	DO	39-150
Decachlorobiphenyl	DO	33-144

Type: BLANK Diln Fac: 1.000
 Lab ID: QC112861 Analyzed: 04/14/00

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	12
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	95	39-150
Decachlorobiphenyl	60	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	145010	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC112862	Batch#:	55109
Matrix:	Soil	Prepared:	04/13/00
Units:	ug/Kg	Analyzed:	04/14/00
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	166.7	149.6	90	58-124

Surrogate	%REC	Limits
TCMX	92	39-150
Decachlorobiphenyl	60	33-144

Table 8

Total Purgeable Hydrocarbons, BTEX, Metals and PCBs Concentration Reported by Sequoia Analytical
on Soil Samples Collected from G-10 and J-10 Stockpiles and Excavation Pits
on May 4, 2000

Analyte	G10 Walls	J10 Walls	G10 Stockpile	J10 Stockpile
	-----mg/kg-----			
Purgeable Hydrocarbons	25	470	160	360
Benzene	0.28	0.54	ND	0.41
Toluene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	0.28
Xylenes	ND	0.84	0.17	1.1
Antimony	NA	NA	71	86
Arsenic	NA	NA	280	240
Barium	NA	NA	740	470
Beryllium	NA	NA	ND	ND
Cadmium	NA	NA	28	5.2
Chromium	NA	NA	72	30
Cobalt	NA	NA	ND	13
Copper	NA	NA	2,500	2,600
Lead	NA	NA	15,000	390
Mercury	NA	NA	0.13	0.049
Molybdenum	NA	NA	ND	ND
Nickel	NA	NA	94	47
Selenium	NA	NA	250	200
Silver	NA	NA	16	10
Thallium	NA	NA	ND	ND
Vanadium	NA	NA	330	260
Zinc	NA	NA	6,600	1,400
Chlorobenzene	2.9	55	3.3	11
n-Propylbenzene	ND	ND	ND	0.18
1,2,4-Trimethylbenzene	ND	ND	0.11	0.14
sec-Butylbenzene	ND	0.1	0.10	0.20
1,3-Dichlorobenzene	ND	ND	ND	0.13
1,4-Dichlorobenzene	0.53	3.8	1.8	0.87
n-Butylbenzene	ND	ND	ND	0.14
1,2,4-Trichlorobenzene	ND	ND	0.14	ND
Naphtalene	ND	0.56	ND	ND
PCB Aroclor-1254	376	515	NA	NA
PCB Aroclor-1260	399	411	NA	NA

ND Not Detectable

NA Not Analyzed



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com


9 May, 2000

Mansour Sepehr
Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon, CA. 94583

RE: 2178 CBS On-Site
Sequoia Report: W005127

Enclosed are the results of analyses for samples received by the laboratory on 04-May-00 12:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Dimple Sharma
Project Manager

CA ELAP Certificate #1271





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G-10-Walls	W005127-01	Soil	04-May-00 11:00	04-May-00 12:45
J-10-Walls	W005127-02	Soil	04-May-00 11:10	04-May-00 12:45

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Dimple Sharma, Project Manager





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									P-03
Purgeable Hydrocarbons	25	20	mg/kg	400	0E05004	05-May-00	05-May-00	DHS LUFT	
Benzene	0.28	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.7 %	40-140		"	"	"	"	
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45									P-06
Purgeable Hydrocarbons	470	20	mg/kg	400	0E05004	05-May-00	05-May-00	DHS LUFT	
Benzene	0.54	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	0.84	0.10	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		75.3 %	40-140		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	2.9	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.21	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
m-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96.0 %	50-150		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.0 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	0.50	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	55	1.0	"	1000	"	"	"	"	
Ethylbenzene	ND	0.10	"	100	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	0.10	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	2.4	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8		54.0 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	50-150	"	"	"	"	"	S-04





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									
Acenaphthene	ND	0.10	mg/kg	1	OE04022	04-May-00	05-May-00	EPA 8270B	
Acenaphthylene	ND	0.10	"	"	"	"	"	"	
Anthracene	ND	0.10	"	"	"	"	"	"	
Aniline	ND	0.10	"	"	"	"	"	"	
Benzoic acid	ND	0.50	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.10	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.10	"	"	"	"	"	"	
Benzo[a]pyrene	ND	0.10	"	"	"	"	"	"	
Benzyl alcohol	ND	0.10	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.10	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.50	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.10	"	"	"	"	"	"	
4-Chloroaniline	ND	0.50	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.10	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.10	"	"	"	"	"	"	
Chrysene	ND	0.10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.10	"	"	"	"	"	"	
Dibenzofuran	ND	0.10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.53	0.10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	0.50	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.50	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.50	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									
Di-n-octyl phthalate	ND	0.10	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Fluoranthene	ND	0.10	"	"	"	"	"	"	
Fluorene	ND	0.10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.10	"	"	"	"	"	"	
Hexachloroethane	ND	0.10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.10	"	"	"	"	"	"	
Isophorone	ND	0.10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.10	"	"	"	"	"	"	
2-Methylphenol	ND	0.10	"	"	"	"	"	"	
4-Methylphenol	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
2-Nitroaniline	ND	0.50	"	"	"	"	"	"	
4-Nitroaniline	ND	0.50	"	"	"	"	"	"	
1-Nitroaniline	ND	0.50	"	"	"	"	"	"	
Nitrobenzene	ND	0.10	"	"	"	"	"	"	
2-Nitrophenol	ND	0.10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.50	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	0.10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.10	"	"	"	"	"	"	
Pentachlorophenol	ND	0.50	"	"	"	"	"	"	
Phenanthrene	ND	0.10	"	"	"	"	"	"	
Phenol	ND	0.10	"	"	"	"	"	"	
Pyrene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.50	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.10	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		75.4 %	25-121	"	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		73.4 %	24-113	"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		80.8 %	23-120	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		92.8 %	30-115	"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		92.6 %	19-122	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		86.5 %	18-137	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45 S-06									
Acenaphthene	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Acenaphthylene	ND	0.50	"	"	"	"	"	"	
Anthracene	ND	0.50	"	"	"	"	"	"	
Aniline	ND	0.50	"	"	"	"	"	"	
Benzoic acid	ND	2.5	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.50	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.50	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.50	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.50	"	"	"	"	"	"	
Benzo[a]pyrene	ND	0.50	"	"	"	"	"	"	
Benzyl alcohol	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.5	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.50	"	"	"	"	"	"	
4-Chloroaniline	ND	2.5	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.50	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.50	"	"	"	"	"	"	
2-Chlorophenol	ND	0.50	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	
Chrysene	ND	0.50	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.50	"	"	"	"	"	"	
Dibenzofuran	ND	0.50	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	3.8	0.50	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.5	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.50	"	"	"	"	"	"	
Diethyl phthalate	ND	0.50	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.50	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.50	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	2.5	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.5	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45									
Di-n-octyl phthalate	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	S-06
Fluoranthene	ND	0.50	"	"	"	"	"	"	
Fluorene	ND	0.50	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.50	"	"	"	"	"	"	
Hexachloroethane	ND	0.50	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.50	"	"	"	"	"	"	
Isophorone	ND	0.50	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.50	"	"	"	"	"	"	
2-Methylphenol	ND	0.50	"	"	"	"	"	"	
4-Methylphenol	ND	0.50	"	"	"	"	"	"	
Naphthalene	0.56	0.50	"	"	"	"	"	"	
2-Nitroaniline	ND	2.5	"	"	"	"	"	"	
4-Nitroaniline	ND	2.5	"	"	"	"	"	"	
3-Nitroaniline	ND	2.5	"	"	"	"	"	"	
Nitrobenzene	ND	0.50	"	"	"	"	"	"	
2-Nitrophenol	ND	0.50	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.50	"	"	"	"	"	"	
4-Nitrophenol	ND	2.5	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	0.50	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.50	"	"	"	"	"	"	
Pentachlorophenol	ND	2.5	"	"	"	"	"	"	
Phenanthrene	ND	0.50	"	"	"	"	"	"	
Phenol	ND	0.50	"	"	"	"	"	"	
Pyrene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	2.5	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		144 %	25-121	"	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		139 %	24-113	"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		128 %	23-120	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		290 %	30-115	"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		96.0 %	19-122	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		132 %	18-137	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Polychlorinated Biphenyls (as Congeners) by EPA Method 8082

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-Walls (W005127-01) Soil Sampled: 04-May-00 11:00 Received: 04-May-00 12:45									
PCB-1016	ND	200000	ug/kg	10000	0E05030	05-May-00	08-May-00	EPA 8082	
PCB-1221	ND	800000	"	"	"	"	"	"	
PCB-1232	ND	200000	"	"	"	"	"	"	
PCB-1242	ND	200000	"	"	"	"	"	"	
PCB-1248	ND	200000	"	"	"	"	"	"	
PCB-1254	376000	200000	"	"	"	"	"	"	A-01
PCB-1260	399000	200000	"	"	"	"	"	"	
Surrogate: Dibutylchlorodate		%	30-150	"	"	"	"	"	S-01
Surrogate: Tetrachloro-m-xylene		%	30-150	"	"	"	"	"	S-01
J-10-Walls (W005127-02) Soil Sampled: 04-May-00 11:10 Received: 04-May-00 12:45									
PCB-1016	ND	200000	ug/kg	10000	0E05030	05-May-00	08-May-00	EPA 8082	
PCB-1221	ND	800000	"	"	"	"	"	"	
PCB-1232	ND	200000	"	"	"	"	"	"	
PCB-1242	ND	200000	"	"	"	"	"	"	
PCB-1248	ND	200000	"	"	"	"	"	"	
PCB-1254	515000	200000	"	"	"	"	"	"	A-01
PCB-1260	411000	200000	"	"	"	"	"	"	
Surrogate: Dibutylchlorodate		%	30-150	"	"	"	"	"	S-01
Surrogate: Tetrachloro-m-xylene		%	30-150	"	"	"	"	"	S-01





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E05004 - EPA 5030B [MeOH]

Blank (0E05004-BLK1)

Prepared & Analyzed: 05-May-00

Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.598		"	0.600		99.7	40-140			

LCS (0E05004-BS1)

Prepared & Analyzed: 05-May-00

Benzene	0.746	0.0050	mg/kg	0.800		93.2	50-150			
Toluene	0.772	0.0050	"	0.800		96.5	50-150			
Ethylbenzene	0.788	0.0050	"	0.800		98.5	50-150			
Xylenes (total)	2.32	0.0050	"	2.40		96.7	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.770		"	0.600		128	40-140			

LCS Dup (0E05004-BSD1)

Prepared & Analyzed: 05-May-00

Benzene	0.768	0.0050	mg/kg	0.800		96.0	50-150	2.91	20	
Toluene	0.800	0.0050	"	0.800		100	50-150	3.56	20	
Ethylbenzene	0.818	0.0050	"	0.800		102	50-150	3.74	20	
Xylenes (total)	2.41	0.0050	"	2.40		100	50-150	3.81	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.796		"	0.600		133	40-140			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

Blank (0E04024-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Dichlorodifluoromethane	ND	0.10	mg/kg							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.10	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
Methylene chloride	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
monochloromethane	ND	0.10	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
Carbon tetrachloride	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Benzene	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.10	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
Tetrachloroethene	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Dibromochloromethane	ND	0.10	"							
1,2-Dibromoethane	ND	0.10	"							
Chlorobenzene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
Total Xylenes	ND	0.10	"							

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

**Volatile Organic Compounds by EPA Method 8260A - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

Blank (0E04024-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

1,1,1,2-Tetrachloroethane	ND	0.10	mg/kg							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
Bromobenzene	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Naphthalene	ND	0.50	"							
Hexachlorobutadiene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	2.40		"	2.50		96.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96.0	50-150			
Surrogate: Toluene-d8	2.45		"	2.50		98.0	50-150			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

LCS (0E04024-BS1)

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.75	0.10	mg/kg	2.50		110	65-135			
Benzene	2.66	0.10	"	2.50		106	70-130			
Trichloroethene	2.79	0.10	"	2.50		112	70-130			
Toluene	2.70	0.10	"	2.50		108	70-130			
Chlorobenzene	2.76	0.10	"	2.50		110	70-130			
<i>Surrogate: Dibromofluoromethane</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.55		"	2.50		102	50-150			

Matrix Spike (0E04024-MS1)

Source: W005125-02

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.83	0.10	mg/kg	2.50	ND	113	60-140			
Benzene	3.22	0.10	"	2.50	0.37	114	60-140			
Trichloroethene	2.77	0.10	"	2.50	ND	111	60-140			
Toluene	2.76	0.10	"	2.50	ND	110	60-140			
Chlorobenzene	13.9	0.10	"	2.50	11	116	60-140			
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.80		"	2.50		112	50-150			

Matrix Spike Dup (0E04024-MSD1)

Source: W005125-02

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.79	0.10	mg/kg	2.50	ND	112	60-140	1.42	25	
Benzene	3.12	0.10	"	2.50	0.37	110	60-140	3.15	25	
Trichloroethene	2.80	0.10	"	2.50	ND	112	60-140	1.08	25	
Toluene	2.77	0.10	"	2.50	ND	111	60-140	0.362	25	
Chlorobenzene	13.5	0.10	"	2.50	11	100	60-140	2.92	25	
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98.0	50-150			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.40		"	2.50		96.0	50-150			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98.0	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	ND	0.10	mg/kg							
Acenaphthylene	ND	0.10	"							
Anthracene	ND	0.10	"							
Aniline	ND	0.10	"							
Benzoic acid	ND	0.50	"							
Benzo (a) anthracene	ND	0.10	"							
Benzo (b) fluoranthene	ND	0.10	"							
Benzo (k) fluoranthene	ND	0.10	"							
Benzo (ghi) perylene	ND	0.10	"							
Benzo[a]pyrene	ND	0.10	"							
Benzyl alcohol	ND	0.10	"							
Bis(2-chloroethoxy)methane	ND	0.10	"							
Bis(2-chloroethyl)ether	ND	0.10	"							
Bis(2-chloroisopropyl)ether	ND	0.10	"							
Bis(2-ethylhexyl)phthalate	ND	0.50	"							
4-Bromophenyl phenyl ether	ND	0.10	"							
Butyl benzyl phthalate	ND	0.10	"							
4-Chloroaniline	ND	0.50	"							
2-Chloronaphthalene	ND	0.10	"							
4-Chloro-3-methylphenol	ND	0.10	"							
2-Chlorophenol	ND	0.10	"							
4-Chlorophenyl phenyl ether	ND	0.10	"							
Chrysene	ND	0.10	"							
Dibenz (a,h) anthracene	ND	0.10	"							
Dibenzofuran	ND	0.10	"							
Di-n-butyl phthalate	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
3,3'-Dichlorobenzidine	ND	0.50	"							
2,4-Dichlorophenol	ND	0.10	"							
Diethyl phthalate	ND	0.10	"							
2,4-Dimethylphenol	ND	0.10	"							
Dimethyl phthalate	ND	0.10	"							

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

4,6-Dinitro-2-methylphenol	ND	0.50	mg/kg							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.10	"							
2,6-Dinitrotoluene	ND	0.10	"							
Di-n-octyl phthalate	ND	0.10	"							
Fluoranthene	ND	0.10	"							
Fluorene	ND	0.10	"							
Hexachlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Hexachlorocyclopentadiene	ND	0.10	"							
Hexachloroethane	ND	0.10	"							
Indeno (1,2,3-cd) pyrene	ND	0.10	"							
Chlorone	ND	0.10	"							
2-Methylnaphthalene	ND	0.10	"							
2-Methylphenol	ND	0.10	"							
4-Methylphenol	ND	0.10	"							
Naphthalene	ND	0.10	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.10	"							
2-Nitrophenol	ND	0.10	"							
N-Nitrosodimethylamine	ND	0.10	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodiphenylamine	ND	0.10	"							
N-Nitrosodi-n-propylamine	ND	0.10	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.10	"							
Phenol	ND	0.10	"							
Pyrene	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.10	"							
Surrogate: 2-Fluorophenol	3.47		"	5.00		69.4	25-121			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Surrogate: Phenol-d6	3.37		mg/kg	5.00		67.4	24-113			
Surrogate: Nitrobenzene-d5	2.47		"	3.33		74.2	23-120			
Surrogate: 2-Fluorobiphenyl	2.63		"	3.33		79.0	30-115			
Surrogate: 2,4,6-Tribromophenol	4.00		"	5.00		80.0	19-122			
Surrogate: p-Terphenyl-d14	3.05		"	3.33		91.6	18-137			

LCS (0E04022-BS1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	2.64	0.10	mg/kg	3.33		79.3	31-137			
4-Chloro-3-methylphenol	3.87	0.10	"	5.00		77.4	26-103			
2-Chlorophenol	3.70	0.10	"	5.00		74.0	25-102			
1,4-Dichlorobenzene	2.55	0.10	"	3.33		76.6	28-104			
2,4-Dinitrotoluene	2.88	0.10	"	3.33		86.5	28-89			
4-Nitrophenol	4.33	0.50	"	5.00		86.6	11-114			
N-Nitrosodi-n-propylamine	2.80	0.10	"	3.33		84.1	41-126			
Pentachlorophenol	4.27	0.50	"	5.00		85.4	17-109			
Phenol	3.67	0.10	"	5.00		73.4	26-90			
Pyrene	2.85	0.10	"	3.33		85.6	35-142			
1,2,4-Trichlorobenzene	2.59	0.10	"	3.33		77.8	38-107			
Surrogate: 2-Fluorophenol	3.87		"	5.00		77.4	25-121			
Surrogate: Phenol-d6	3.73		"	5.00		74.6	24-113			
Surrogate: Nitrobenzene-d5	2.78		"	3.33		83.5	23-120			
Surrogate: 2-Fluorobiphenyl	2.69		"	3.33		80.8	30-115			
Surrogate: 2,4,6-Tribromophenol	4.43		"	5.00		88.6	19-122			
Surrogate: p-Terphenyl-d14	2.74		"	3.33		82.3	18-137			

LCS Dup (0E04022-BSD1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	2.44	0.10	mg/kg	3.33		73.3	31-137	7.87	40	
4-Chloro-3-methylphenol	3.47	0.10	"	5.00		69.4	26-103	10.9	40	
2-Chlorophenol	3.20	0.10	"	5.00		64.0	25-102	14.5	40	
1,4-Dichlorobenzene	2.14	0.10	"	3.33		64.3	28-104	17.5	40	
2,4-Dinitrotoluene	2.78	0.10	"	3.33		83.5	28-89	3.53	40	
4-Nitrophenol	4.10	0.50	"	5.00		82.0	11-114	5.46	40	
N-Nitrosodi-n-propylamine	2.51	0.10	"	3.33		75.4	41-126	10.9	40	
Pentachlorophenol	4.17	0.50	"	5.00		83.4	17-109	2.37	40	
Phenol	3.15	0.10	"	5.00		63.0	26-90	15.2	40	
Pyrene	2.98	0.10	"	3.33		89.5	35-142	4.46	40	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E04022 - EPA 3550A										
LCS Dup (0E04022-BSD1)										
					Prepared: 04-May-00 Analyzed: 05-May-00					
1,2,4-Trichlorobenzene	2.24	0.10	mg/kg	3.33		67.3	38-107	14.5	40	
Surrogate: 2-Fluorophenol	3.33		"	5.00		66.6	25-121			
Surrogate: Phenol-d6	3.19		"	5.00		63.8	24-113			
Surrogate: Nitrobenzene-d5	2.39		"	3.33		71.8	23-120			
Surrogate: 2-Fluorobiphenyl	2.45		"	3.33		73.6	30-115			
Surrogate: 2,4,6-Tribromophenol	4.33		"	5.00		86.6	19-122			
Surrogate: p-Terphenyl-d14	2.83		"	3.33		85.0	18-137			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Polychlorinated Biphenyls (as Congeners) by EPA Method 8082 - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E05030 - EPA 3550A

Blank (0E05030-BLK1)

Prepared: 05-May-00 Analyzed: 06-May-00

PCB-1016	ND	20.0	ug/kg							
PCB-1221	ND	80.0	"							
PCB-1232	ND	20.0	"							
PCB-1242	ND	20.0	"							
PCB-1248	ND	20.0	"							
PCB-1254	ND	20.0	"							
PCB-1260	ND	20.0	"							
Surrogate: Dibutylchloroendate	34.8		"	33.3		105	30-150			
Surrogate: Tetrachloro-m-xylene	9.40		"	16.7		56.3	30-150			

LCS (0E05030-BS1)

Prepared: 05-May-00 Analyzed: 06-May-00

PCB-1260	109	20.0	ug/kg	83.3		131	40-140			
Surrogate: Dibutylchloroendate	36.8		"	33.3		111	30-150			
Surrogate: Tetrachloro-m-xylene	9.33		"	16.7		55.9	30-150			

Matrix Spike (0E05030-MS1)

Source: MJE0188-01

Prepared: 05-May-00 Analyzed: 06-May-00

PCB-1260	110	20.0	ug/kg	83.3	ND	132	40-140			
Surrogate: Dibutylchloroendate	36.5		"	33.3		110	30-150			
Surrogate: Tetrachloro-m-xylene	9.83		"	16.7		58.9	30-150			

Matrix Spike Dup (0E05030-MSD1)

Source: MJE0188-01

Prepared: 05-May-00 Analyzed: 06-May-00

PCB-1260	106	20.0	ug/kg	83.3	ND	127	40-140	3.70	50	
Surrogate: Dibutylchloroendate	26.3		"	33.3		79.0	30-150			
Surrogate: Tetrachloro-m-xylene	9.32		"	16.7		55.8	30-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
09-May-00 17:07

Notes and Definitions

- A-01 The chromatographic pattern resembles weathered 1254.
- P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- P-06 Chromatogram Pattern: Gasoline C6-C12+ Unidentified Hydrocarbons >C8
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

300 Jarvis Drive - Morgan Hill, CA 95037 • (408) 770-9000 • FAX (408) 762-0000
 819 Striker Avenue Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-9600
 404 N. Wiget • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9600
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: <u>SOMA Env. Eng</u>		Project Name: <u>2178 CBS on-site</u>	
Mailing Address: <u>2680 Bishop Dr. Suite 203</u>		Billing Address (if different):	
City: <u>San Ramon</u> State: <u>CA</u>	Zip Code: <u>94583</u>	<u>WOODS/27</u>	
Telephone: <u>925 244 6600</u>	FAX #: <u>925 244 6601</u>		
Report To: <u>Mansour Sefehri</u>	Sampler: <u>Naser Pakrou</u>	P.O. #:	
Turnaround <input type="checkbox"/> 10 Working Days <input checked="" type="checkbox"/> 3 Working Days <input type="checkbox"/> 2 - 8 Hours		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Drinking Water
 Waste Water
 Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	PCBs	8260 V.O.C	8270 S.V.O.C	TPH	BTEX	Analyses Requested				Comments
<u>1G-10-Walls</u>	<u>5/4 11:00</u>	<u>Soil</u>	<u>1</u>	<u>Tube</u>	<u>011-b</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>2G-10-Walls</u>	<u>5/4 11:10</u>	<u>Soil</u>	<u>1</u>	<u>Tube</u>	<u>021-b</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: <u>Naser Pakrou</u>	Date: <u>5/4</u>	Time: <u>12:45</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>[Signature]</u>	Date: <u>5/4/00</u>	Time: <u>12:45</u>

Pink - Client
 Yellow - Sequoia
 White - Sequoia



Sequoia Analytical

2178-3
404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

10 May, 2000

Mansour Sepehr
Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon, CA. 94583

RE: 2178 CBS On-Site
Sequoia Report W005125

Enclosed are the results of analyses for samples received by the laboratory on 04-May-00 12:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Dimple Sharma
Project Manager

CA ELAP Certificate #1271





oma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G-10-STOCKPILE	W005125-01	Soil	04-May-00 11:20	04-May-00 12:35
J-10-STOCKPILE	W005125-02	Soil	04-May-00 11:30	04-May-00 12:35





oma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35 P-06									
Purgeable Hydrocarbons	160	20	mg/kg	400	0E05004	05-May-00	05-May-00	DHS LUFT	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	0.17	0.10	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.0 %	40-140	"	"	"	"	"	
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35 P-06									
Purgeable Hydrocarbons	360	20	mg/kg	400	0E05004	05-May-00	05-May-00	DHS LUFT	
Benzene	0.41	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	0.28	0.10	"	"	"	"	"	"	
Xylenes (total)	1.1	0.10	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		64.3 %	40-140	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
Mercury	0.13	0.010	mg/kg	1	0E04015	04-May-00	10-May-00	EPA 7471A	
G-10-STOCKPILE (W005125-01RE1) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
Antimony	71	50	mg/kg	10	0E08014	08-May-00	08-May-00	EPA 6010A	
Arsenic	280	50	"	"	"	"	"	"	
Barium	740	5.0	"	"	"	"	"	"	
Beryllium	ND	5.0	"	"	"	"	"	"	
Cadmium	28	5.0	"	"	"	"	"	"	
Chromium	72	5.0	"	"	"	"	"	"	
Cobalt	ND	5.0	"	"	"	"	"	"	
Copper	2500	5.0	"	"	"	"	"	"	
Lead	15000	10	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	94	5.0	"	"	"	"	"	"	
Selenium	250	50	"	"	"	"	"	"	
Silver	16	5.0	"	"	"	"	"	"	
Thallium	ND	50	"	"	"	"	"	"	
Vanadium	330	5.0	"	"	"	"	"	"	
Zinc	6600	25	"	"	"	"	"	"	
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Mercury	0.049	0.010	mg/kg	1	0E04015	04-May-00	10-May-00	EPA 7471A	
J-10-STOCKPILE (W005125-02RE1) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Antimony	86	50	mg/kg	10	0E08014	08-May-00	08-May-00	EPA 6010A	
Arsenic	240	50	"	"	"	"	"	"	
Barium	470	5.0	"	"	"	"	"	"	
Beryllium	ND	5.0	"	"	"	"	"	"	
Cadmium	5.2	5.0	"	"	"	"	"	"	
Chromium	30	5.0	"	"	"	"	"	"	
Cobalt	13	5.0	"	"	"	"	"	"	
Copper	2600	5.0	"	"	"	"	"	"	
Lead	390	10	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	47	5.0	"	"	"	"	"	"	
Selenium	200	50	"	"	"	"	"	"	
Silver	10	5.0	"	"	"	"	"	"	
Thallium	ND	50	"	"	"	"	"	"	
Vanadium	260	5.0	"	"	"	"	"	"	





oma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-STOCKPILE (W005125-02RE1) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Zinc	1400	25	mg/kg	10	0E08014	08-May-00	08-May-00	EPA 6010A	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0E04024	04-May-00	04-May-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	3.3	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0E04024	04-May-00	04-May-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.11	0.10	"	"	"	"	"	"	
sec-Butylbenzene	0.10	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.85	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	0.14	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Volatile Organic Compounds by EPA Method 8260A Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Dichlorodifluoromethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Benzene	0.37	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	11	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Total Xylenes	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene	ND	0.10	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

**Volatile Organic Compounds by EPA Method 8260A
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
1,1,2,2-Tetrachloroethane	ND	0.10	mg/kg	100	0E04024	04-May-00	05-May-00	EPA 8260A	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	0.18	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.14	0.10	"	"	"	"	"	"	
sec-Butylbenzene	0.20	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	0.13	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.70	0.10	"	"	"	"	"	"	
Butylbenzene	0.14	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	50-150		"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
Acenaphthene	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Acenaphthylene	ND	0.50	"	"	"	"	"	"	"
Anthracene	ND	0.50	"	"	"	"	"	"	"
Aniline	ND	0.50	"	"	"	"	"	"	"
Benzoic acid	ND	2.5	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	0.50	"	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	0.50	"	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	0.50	"	"	"	"	"	"	"
Benzo (ghi) perylene	ND	0.50	"	"	"	"	"	"	"
Benzo[a]pyrene	ND	0.50	"	"	"	"	"	"	"
Benzyl alcohol	ND	0.50	"	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	0.50	"	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	0.50	"	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	0.50	"	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	2.5	"	"	"	"	"	"	"
Bromophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	"
Butyl benzyl phthalate	ND	0.50	"	"	"	"	"	"	"
4-Chloroaniline	ND	2.5	"	"	"	"	"	"	"
2-Chloronaphthalene	ND	0.50	"	"	"	"	"	"	"
4-Chloro-3-methylphenol	ND	0.50	"	"	"	"	"	"	"
2-Chlorophenol	ND	0.50	"	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	"
Chrysene	ND	0.50	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.50	"	"	"	"	"	"	"
Dibenzofuran	ND	0.50	"	"	"	"	"	"	"
Di-n-butyl phthalate	ND	2.5	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	"
1,4-Dichlorobenzene	1.8	0.50	"	"	"	"	"	"	"
3,3'-Dichlorobenzidine	ND	2.5	"	"	"	"	"	"	"
2,4-Dichlorophenol	ND	0.50	"	"	"	"	"	"	"
Diethyl phthalate	ND	0.50	"	"	"	"	"	"	"
2,4-Dimethylphenol	ND	0.50	"	"	"	"	"	"	"
Dimethyl phthalate	ND	0.50	"	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	ND	2.5	"	"	"	"	"	"	"
2,4-Dinitrophenol	ND	2.5	"	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	"
2,6-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	"





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
G-10-STOCKPILE (W005125-01) Soil Sampled: 04-May-00 11:20 Received: 04-May-00 12:35									
Di-n-octyl phthalate	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Fluoranthene	ND	0.50	"	"	"	"	"	"	
Fluorene	ND	0.50	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.50	"	"	"	"	"	"	
Hexachloroethane	ND	0.50	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.50	"	"	"	"	"	"	
Isophorone	ND	0.50	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.50	"	"	"	"	"	"	
2-Methylphenol	ND	0.50	"	"	"	"	"	"	
4-Methylphenol	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
2-Nitroaniline	ND	2.5	"	"	"	"	"	"	
4-Nitroaniline	ND	2.5	"	"	"	"	"	"	
3-Nitroaniline	ND	2.5	"	"	"	"	"	"	
Nitrobenzene	ND	0.50	"	"	"	"	"	"	
2-Nitrophenol	ND	0.50	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.50	"	"	"	"	"	"	
4-Nitrophenol	ND	2.5	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	0.50	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.50	"	"	"	"	"	"	
Pentachlorophenol	ND	2.5	"	"	"	"	"	"	
Phenanthrene	ND	0.50	"	"	"	"	"	"	
Phenol	ND	0.50	"	"	"	"	"	"	
Pyrene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	2.5	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		115 %	25-121	"	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		112 %	24-113	"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		113 %	23-120	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		123 %	30-115	"	"	"	"	"	S-03
<i>Surrogate: 2,4,6-Tribromophenol</i>		92.4 %	19-122	"	"	"	"	"	
<i>Surrogate: p-Terphenyl-d14</i>		111 %	18-137	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Acenaphthene	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Acenaphthylene	ND	0.50	"	"	"	"	"	"	
Anthracene	ND	0.50	"	"	"	"	"	"	
Aniline	ND	0.50	"	"	"	"	"	"	
Benzoic acid	ND	2.5	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.50	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.50	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.50	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.50	"	"	"	"	"	"	
Benzo[a]pyrene	ND	0.50	"	"	"	"	"	"	
Benzyl alcohol	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.50	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.50	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.5	"	"	"	"	"	"	
Bromophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.50	"	"	"	"	"	"	
4-Chloroaniline	ND	2.5	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.50	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.50	"	"	"	"	"	"	
2-Chlorophenol	ND	0.50	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.50	"	"	"	"	"	"	
Chrysene	ND	0.50	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.50	"	"	"	"	"	"	
Dibenzofuran	ND	0.50	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	0.87	0.50	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.5	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.50	"	"	"	"	"	"	
Diethyl phthalate	ND	0.50	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.50	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.50	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	2.5	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.5	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.50	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
10-May-00 11:30

**Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J-10-STOCKPILE (W005125-02) Soil Sampled: 04-May-00 11:30 Received: 04-May-00 12:35									
Di-n-octyl phthalate	ND	0.50	mg/kg	1	0E04022	04-May-00	05-May-00	EPA 8270B	
Fluoranthene	ND	0.50	"	"	"	"	"	"	
Fluorene	ND	0.50	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.50	"	"	"	"	"	"	
Hexachloroethane	ND	0.50	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.50	"	"	"	"	"	"	
Isophorone	ND	0.50	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.50	"	"	"	"	"	"	
2-Methylphenol	ND	0.50	"	"	"	"	"	"	
4-Methylphenol	ND	0.50	"	"	"	"	"	"	
1,2,3,4-Tetrahydronaphthalene	ND	0.50	"	"	"	"	"	"	
2-Nitroaniline	ND	2.5	"	"	"	"	"	"	
3-Nitroaniline	ND	2.5	"	"	"	"	"	"	
4-Nitroaniline	ND	2.5	"	"	"	"	"	"	
Nitrobenzene	ND	0.50	"	"	"	"	"	"	
2-Nitrophenol	ND	0.50	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.50	"	"	"	"	"	"	
4-Nitrophenol	ND	2.5	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	0.50	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.50	"	"	"	"	"	"	
Pentachlorophenol	ND	2.5	"	"	"	"	"	"	
Phenanthrene	ND	0.50	"	"	"	"	"	"	
Phenol	ND	0.50	"	"	"	"	"	"	
Pyrene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	2.5	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.50	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		115 %	25-121	"	"	"	"	"	
Surrogate: Phenol-d6		111 %	24-113	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		112 %	23-120	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		129 %	30-115	"	"	"	"	"	S-03
Surrogate: 2,4,6-Tribromophenol		92.6 %	19-122	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		118 %	18-137	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E05004 - EPA 5030B [MeOH]										
Blank (0E05004-BLK1)										
Prepared & Analyzed: 05-May-00										
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.598		"	0.600		99.7	40-140			
LCS (0E05004-BS1)										
Prepared & Analyzed: 05-May-00										
Benzene	0.746	0.0050	mg/kg	0.800		93.2	50-150			
Toluene	0.772	0.0050	"	0.800		96.5	50-150			
Ethylbenzene	0.788	0.0050	"	0.800		98.5	50-150			
Xylenes (total)	2.32	0.0050	"	2.40		96.7	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.770		"	0.600		128	40-140			
LCS Dup (0E05004-BSD1)										
Prepared & Analyzed: 05-May-00										
Benzene	0.768	0.0050	mg/kg	0.800		96.0	50-150	2.91	20	
Toluene	0.800	0.0050	"	0.800		100	50-150	3.56	20	
Ethylbenzene	0.818	0.0050	"	0.800		102	50-150	3.74	20	
Xylenes (total)	2.41	0.0050	"	2.40		100	50-150	3.81	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.796		"	0.600		133	40-140			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04015 - EPA 7471A

Blank (0E04015-BLK1)				Prepared: 04-May-00 Analyzed: 10-May-00						
Mercury	ND	0.010	mg/kg							
LCS (0E04015-BS1)				Prepared: 04-May-00 Analyzed: 10-May-00						
Mercury	0.0830	0.010	mg/kg	0.100		83.0	75-125			
LCS Dup (0E04015-BSD1)				Prepared: 04-May-00 Analyzed: 10-May-00						
Mercury	0.0850	0.010	mg/kg	0.100		85.0	75-125	2.38	20	
Matrix Spike (0E04015-MS1)				Source: W005125-01		Prepared: 04-May-00 Analyzed: 10-May-00				Q-02
Mercury	0.195	0.010	mg/kg	0.100	0.13	65.0	75-125			
Matrix Spike Dup (0E04015-MSD1)				Source: W005125-01		Prepared: 04-May-00 Analyzed: 10-May-00				Q-02
Mercury	0.204	0.010	mg/kg	0.100	0.13	74.0	75-125	4.51	20	

Batch 0E08014 - EPA 3050B

Blank (0E08014-BLK1)				Prepared & Analyzed: 08-May-00						
Cadmium	ND	0.50	mg/kg							
Chromium	ND	0.50	"							
Copper	1.50	0.50	"							Q-18
Lead	ND	1.0	"							
Nickel	ND	0.50	"							
Zinc	ND	2.5	"							
LCS (0E08014-BS1)				Prepared & Analyzed: 08-May-00						
Cadmium	50.7	0.50	mg/kg	50.0		101	80-120			
Chromium	50.6	0.50	"	50.0		101	80-120			
Copper	59.0	0.50	"	50.0		118	80-120			
Lead	50.2	1.0	"	50.0		100	80-120			
Nickel	51.8	0.50	"	50.0		104	80-120			
Zinc	57.7	2.5	"	50.0		115	80-120			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E08014 - EPA 3050B

LCS Dup (0E08014-BSD1)

Prepared & Analyzed: 08-May-00

Cadmium	50.4	0.50	mg/kg	50.0		101	80-120	0.593	20	
Chromium	50.6	0.50	"	50.0		101	80-120	0	20	
Copper	53.7	0.50	"	50.0		107	80-120	9.41	20	
Lead	51.7	1.0	"	50.0		103	80-120	2.94	20	
Nickel	51.4	0.50	"	50.0		103	80-120	0.775	20	
Zinc	53.6	2.5	"	50.0		107	80-120	7.37	20	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

Blank (0E04024-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Dichlorodifluoromethane	ND	0.10	mg/kg							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.10	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
Methylene chloride	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
1,2-Dichloroethene	ND	0.10	"							
Dibromochloromethane	ND	0.10	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
Carbon tetrachloride	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Benzene	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
Trichloroethene	ND	0.10	"							
1,2-Dichloropropane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.10	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
Tetrachloroethene	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Dibromochloromethane	ND	0.10	"							
1,2-Dibromoethane	ND	0.10	"							
Chlorobenzene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
Total Xylenes	ND	0.10	"							

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

**Volatile Organic Compounds by EPA Method 8260A - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

Blank (0E04024-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

1,1,1,2-Tetrachloroethane	ND	0.10	mg/kg							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
Bromobenzene	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Naphthalene	ND	0.50	"							
Hexachlorobutadiene	ND	0.10	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	2.40		"	2.50		96.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96.0	50-150			
Surrogate: Toluene-d8	2.45		"	2.50		98.0	50-150			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Volatile Organic Compounds by EPA Method 8260A - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04024 - EPA 5030B [MeOH]

LCS (0E04024-BS1)

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.75	0.10	mg/kg	2.50		110	65-135			
Benzene	2.66	0.10	"	2.50		106	70-130			
Trichloroethene	2.79	0.10	"	2.50		112	70-130			
Toluene	2.70	0.10	"	2.50		108	70-130			
Chlorobenzene	2.76	0.10	"	2.50		110	70-130			
Surrogate: Dibromofluoromethane	2.40		"	2.50		96.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96.0	50-150			
Surrogate: Toluene-d8	2.50		"	2.50		100	50-150			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	50-150			

Matrix Spike (0E04024-MS1)

Source: W005125-02

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.83	0.10	mg/kg	2.50	ND	113	60-140			
Benzene	3.22	0.10	"	2.50	0.37	114	60-140			
Dichloroethene	2.77	0.10	"	2.50	ND	111	60-140			
Benzene	2.76	0.10	"	2.50	ND	110	60-140			
Chlorobenzene	13.9	0.10	"	2.50	11	116	60-140			
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96.0	50-150			
Surrogate: Toluene-d8	2.50		"	2.50		100	50-150			
Surrogate: 4-Bromofluorobenzene	2.80		"	2.50		112	50-150			

Matrix Spike Dup (0E04024-MSD1)

Source: W005125-02

Prepared: 04-May-00 Analyzed: 05-May-00

1,1-Dichloroethene	2.79	0.10	mg/kg	2.50	ND	112	60-140	1.42	25	
Benzene	3.12	0.10	"	2.50	0.37	110	60-140	3.15	25	
Trichloroethene	2.80	0.10	"	2.50	ND	112	60-140	1.08	25	
Toluene	2.77	0.10	"	2.50	ND	111	60-140	0.362	25	
Chlorobenzene	13.5	0.10	"	2.50	11	100	60-140	2.92	25	
Surrogate: Dibromofluoromethane	2.45		"	2.50		98.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96.0	50-150			
Surrogate: Toluene-d8	2.50		"	2.50		100	50-150			
Surrogate: 4-Bromofluorobenzene	2.45		"	2.50		98.0	50-150			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	ND	0.10	mg/kg
Acenaphthylene	ND	0.10	"
Anthracene	ND	0.10	"
Aniline	ND	0.10	"
Benzoic acid	ND	0.50	"
Benzo (a) anthracene	ND	0.10	"
Benzo (b) fluoranthene	ND	0.10	"
Benzo (k) fluoranthene	ND	0.10	"
Benzo (ghi) perylene	ND	0.10	"
Benzo[a]pyrene	ND	0.10	"
Benzyl alcohol	ND	0.10	"
Bis(2-chloroethoxy)methane	ND	0.10	"
Bis(2-chloroethyl)ether	ND	0.10	"
Bis(2-chloroisopropyl)ether	ND	0.10	"
Bis(2-ethylhexyl)phthalate	ND	0.50	"
4-Bromophenyl phenyl ether	ND	0.10	"
Butyl benzyl phthalate	ND	0.10	"
4-Chloroaniline	ND	0.50	"
2-Chloronaphthalene	ND	0.10	"
4-Chloro-3-methylphenol	ND	0.10	"
2-Chlorophenol	ND	0.10	"
4-Chlorophenyl phenyl ether	ND	0.10	"
Chrysene	ND	0.10	"
Dibenz (a,h) anthracene	ND	0.10	"
Dibenzofuran	ND	0.10	"
Di-n-butyl phthalate	ND	0.50	"
1,2-Dichlorobenzene	ND	0.10	"
1,3-Dichlorobenzene	ND	0.10	"
1,4-Dichlorobenzene	ND	0.10	"
3,3'-Dichlorobenzidine	ND	0.50	"
2,4-Dichlorophenol	ND	0.10	"
Diethyl phthalate	ND	0.10	"
2,4-Dimethylphenol	ND	0.10	"
Dimethyl phthalate	ND	0.10	"

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	-----------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

4,6-Dinitro-2-methylphenol	ND	0.50	mg/kg							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.10	"							
2,6-Dinitrotoluene	ND	0.10	"							
Di-n-octyl phthalate	ND	0.10	"							
Fluoranthene	ND	0.10	"							
Fluorene	ND	0.10	"							
Hexachlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Hexachlorocyclopentadiene	ND	0.10	"							
Hexachloroethane	ND	0.10	"							
Indeno (1,2,3-cd) pyrene	ND	0.10	"							
Isophorone	ND	0.10	"							
1-Methylnaphthalene	ND	0.10	"							
2-Methylphenol	ND	0.10	"							
4-Methylphenol	ND	0.10	"							
Naphthalene	ND	0.10	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.10	"							
2-Nitrophenol	ND	0.10	"							
N-Nitrosodimethylamine	ND	0.10	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodiphenylamine	ND	0.10	"							
N-Nitrosodi-n-propylamine	ND	0.10	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.10	"							
Phenol	ND	0.10	"							
Pyrene	ND	0.10	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.10	"							
Surrogate: 2-Fluorophenol	3.47		"	5.00		69.4	25-121			

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E04022 - EPA 3550A

Blank (0E04022-BLK1)

Prepared: 04-May-00 Analyzed: 05-May-00

Surrogate: Phenol-d6	3.37		mg/kg	5.00		67.4	24-113			
Surrogate: Nitrobenzene-d5	2.47		"	3.33		74.2	23-120			
Surrogate: 2-Fluorobiphenyl	2.63		"	3.33		79.0	30-115			
Surrogate: 2,4,6-Tribromophenol	4.00		"	5.00		80.0	19-122			
Surrogate: p-Terphenyl-d14	3.05		"	3.33		91.6	18-137			

LCS (0E04022-BS1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	2.64	0.10	mg/kg	3.33		79.3	31-137			
4-Chloro-3-methylphenol	3.87	0.10	"	5.00		77.4	26-103			
2-Chlorophenol	3.70	0.10	"	5.00		74.0	25-102			
1,4-Dichlorobenzene	2.55	0.10	"	3.33		76.6	28-104			
2,4-Dinitrotoluene	2.88	0.10	"	3.33		86.5	28-89			
4-Nitrophenol	4.33	0.50	"	5.00		86.6	11-114			
N-Nitrosodi-n-propylamine	2.80	0.10	"	3.33		84.1	41-126			
Pentachlorophenol	4.27	0.50	"	5.00		85.4	17-109			
Phenol	3.67	0.10	"	5.00		73.4	26-90			
Pyrene	2.85	0.10	"	3.33		85.6	35-142			
1,2,4-Trichlorobenzene	2.59	0.10	"	3.33		77.8	38-107			
Surrogate: 2-Fluorophenol	3.87		"	5.00		77.4	25-121			
Surrogate: Phenol-d6	3.73		"	5.00		74.6	24-113			
Surrogate: Nitrobenzene-d5	2.78		"	3.33		83.5	23-120			
Surrogate: 2-Fluorobiphenyl	2.69		"	3.33		80.8	30-115			
Surrogate: 2,4,6-Tribromophenol	4.43		"	5.00		88.6	19-122			
Surrogate: p-Terphenyl-d14	2.74		"	3.33		82.3	18-137			

LCS Dup (0E04022-BSD1)

Prepared: 04-May-00 Analyzed: 05-May-00

Acenaphthene	2.44	0.10	mg/kg	3.33		73.3	31-137	7.87	40	
4-Chloro-3-methylphenol	3.47	0.10	"	5.00		69.4	26-103	10.9	40	
2-Chlorophenol	3.20	0.10	"	5.00		64.0	25-102	14.5	40	
1,4-Dichlorobenzene	2.14	0.10	"	3.33		64.3	28-104	17.5	40	
2,4-Dinitrotoluene	2.78	0.10	"	3.33		83.5	28-89	3.53	40	
4-Nitrophenol	4.10	0.50	"	5.00		82.0	11-114	5.46	40	
N-Nitrosodi-n-propylamine	2.51	0.10	"	3.33		75.4	41-126	10.9	40	
Pentachlorophenol	4.17	0.50	"	5.00		83.4	17-109	2.37	40	
Phenol	3.15	0.10	"	5.00		63.0	26-90	15.2	40	
Pyrene	2.98	0.10	"	3.33		89.5	35-142	4.46	40	

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E04022 - EPA 3550A										
LCS Dup (0E04022-BSD1)										
					Prepared: 04-May-00 Analyzed: 05-May-00					
1,2,4-Trichlorobenzene	2.24	0.10	mg/kg	3.33		67.3	38-107	14.5	40	
Surrogate: 2-Fluorophenol	3.33		"	5.00		66.6	25-121			
Surrogate: Phenol-d6	3.19		"	5.00		63.8	24-113			
Surrogate: Nitrobenzene-d5	2.39		"	3.33		71.8	23-120			
Surrogate: 2-Fluorobiphenyl	2.45		"	3.33		73.6	30-115			
Surrogate: 2,4,6-Tribromophenol	4.33		"	5.00		86.6	19-122			
Surrogate: p-Terphenyl-d14	2.83		"	3.33		85.0	18-137			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
10-May-00 11:30

Notes and Definitions

- P-06 Chromatogram Pattern: Gasoline C6-C12+ Unidentified Hydrocarbons >C8
- Q-02 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- Q-18 The method blank contains analyte at a concentration above the MRL. This concentration is less than 5% of the sample result, which is negligible according to method criteria.
- S-03 The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





- 600 Jarvis Drive - Morgan Hill, CA 95037 • (408) 778-9000 • FAX (408) 762-0306
- 819 Striker Ave. Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: SOMA Env. Eng.		Project Name: CBS on-site 2178	
Mailing Address: 2680 Bishop Dr. Suite 203		Billing Address (if different):	
City: San Ramon State: CA Zip Code: 94583	W005/25		
Telephone: 925 244 6600 FAX #: 925 244 6601	P.O. #:		
Report To: Mansour Sepehr Sampler: Naser Pakrou	QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours

Time: 7 Working Days 2 Working Days

5 Working Days 24 Hours

Drinking Water

Waste Water

Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments				
1. G-10-Stockpile	5/4/11:20	Soil	1	Tube	01A	✓	✓	✓	✓											
2. J-10 Stockpile	5/4/11:30	Soil	1	Tube	07D	✓	✓	✓	✓											
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

Relinquished By: Naser Pakrou	Date: 5/4	Time: 12:35	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [Signature]	Date: 5/4/11	Time: 12:35

Pink - Client
Yellow - Sequoia
White - Sequoia

Table 9

Total Metals, STLC and TCLP Values Along with PCB Concentrations Reported
by Sequoia Analytical and Delta Environmental on Soil Samples Collected
From Three Stockpile Soils on May 8 and May 10, 2000

Analyte	Sequoia Analytical			Delta Environmental		
	Northpile	Southpile	Westpile	Northpile	Southpile	Westpile
	Total Metals mg/kg					
Antimony	39	39	69	ND	13	ND
Arsenic	110	89	220	ND	ND	ND
Barium	440	300	770	330	290	260
Beryllium	ND	1.6	ND	ND	ND	ND
Cadmium	2.9	ND	13	ND	ND	ND
Chromium	48	57	69	22	26	23
Cobalt	15	17	18.0	9	14	14
Copper	260	89	2,200	170	78	40
Lead	320	8.7	1,400	80	42	300
Mercury	0.11	0.075	0.12	ND	ND	ND
Molybdenum	ND	ND	ND	ND	ND	ND
Nickel	55	55	70	22	27	23
Selenium	120	130	190	ND	ND	ND
Silver	3.9	3.1	12	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND
Vanadium	190	220	290	30	35	31
Zinc	880	140	2,900	370	260	180
	STLC CAM Metals mg/L					
Chromium	0.32	0.16	0.43	ND	ND	ND
Lead	22	0.33	27	6	1.5	19
	TCLP CAM Metals mg/L					
Chromium	ND	ND	ND	ND	ND	ND
Lead	0.68	0.023	0.62	ND	ND	ND
	PCBs					
Aroclor-1260	NA	NA	NA	103	185	150

ND Not Detectable

NA Not Analyzed

Quality Control Report

Client:

Soma Environmental Eng. Inc
 2680 Bishop Dr., Suite 203
 San Ramon, CA 94583

Client Project ID:
 Proj 2178
 CBS-On- Site

Attention : Dr. M. Sepehr

Ref.: Q4946pcb
 Method 8080
 Sampled: 5/10/00
 Received: 5/10/00
 Matrix: soil
 Analyzed: 5/10-11/00
 Analyst DS
 Reported: 5/11/00
 Units: mg/kg

Sample Spiked :Blank

Quality Control Report for PCB's
 EPA 8080/8082

Analyte	Detection Limit mg/kg	Sample Result mg/kg	Spike Added mg/kg	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
PCB 1260	0.02	ND	0.10	68	70	2.9	8080

Delta Environmental Laboratories

H.Khosh Khoo, PhD.,
 Laboratory Director/President



Qtmp800_pcbsoil

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:

2178
On-site CBS
Emeryville, CA

Ref: R4946300
Method: 7000/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/10/00
Reported: 5/10/00
Analyst: AD
Matrix: Solid
Units: mg/kg

Attention: Dr. Sepehr

24 hours

Analytical Results for TTLC Analysis

Digestion :EPA 3050

Analyte	TTLC Max. Limit (mg/kg)	Detection Limit (mg/kg)	Results
			Sample ID
			Composite West Pile (1-4)
Silver	500	1.0	ND
Arsenic	500	5.0	ND
Barium	10,000	1.0	330
Beryllium	75	1.0	ND
Cadmium	100	1.0	ND
Cobalt	8,000	1.0	9.2
Chromium (III)	2,500	1.0	22
Copper	2,500	1.0	170
Mercury	20	0.06	ND
Molybdenum	3,500	1.0	ND
Nickel	2,000	2.0	22
Lead	1,000	5.0	300
Antimony	500	5.0	ND
Selenium	100	5.0	ND
Thallium	700	5.0	ND
Vanadium	2,400	1.0	30
Zinc	5,000	1.0	370

ND: Not Detected

H. Khosh Khoo, PhD.,
Laboratory Director/President



Delta#1/general/RTMP_17_300s

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Quality Control Report**Project ID:**

2178
On-site CBS
Emeryville, CA

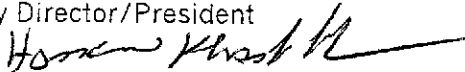
Ref: Q4946300
Method: 7000/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/10/00
Reported: 5/10/00
Analyst: AD
Matrix: Solid
Units: mg/kg

Attention: Dr. Sepehr**Analytical Results for TTLC Tests**

Analyte	Inst. Method	Spike Added mg/kg	Detection Limit mg/kg	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Silver	6010	50	1.00	102	103	1.0
Arsenic	6010	50	5.00	99	101	2.0
Barium	6010	50	1.00	106	100	5.8
Beryllium	6010	50	1.00	92	92	0.0
Cadmium	6010	50	1.00	92	91	1.1
Cobalt	6010	50	1.00	100	99	1.0
Chromium (III)	6010	50	1.00	99	98	1.0
Copper	6010	50	1.00	110	106	3.7
Mercury	7471	0.625	0.060	97	85	13.2
Molybdenum	6010	50	1.00	94	94	0.0
Nickel	6010	50	2.00	86	87	1.2
Lead	6010	50	5.00	92	94	2.2
Antimony	6010	50	5.00	92	94	2.2
Selenium	6010	50	5.00	84	89	5.8
Thallium	6010	50	5.00	107	113	5.5
Vanadium	6010	50	1.00	100	100	0.0
Zinc	6010	50	1.00	93	94	1.1

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



Delta#1/general/QTMP_17_300s

Client:

Soma Environmental Eng. Inc
 2680 Bishop Dr., Suite 203
 San Ramon, CA 94583

Client Project ID:
 2178
 On-site CBS
 Emeryville, CA

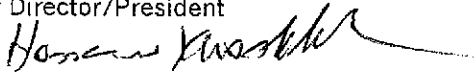
Ref: R4946320
 Method: 6010
 EPA 1311
 Sampled: 5/10/00
 Received: 5/10/00
 Matrix: Extract
 Analyzed: 5/10-12/00
 Reported: 5/12/00
 Unit: mg/L

Attention: Dr. Sepehr

**Analytical Results for TCLP Analysis
 EPA 1311**

Analyte	TCLP Max. Limit mg/L	Detection Limit mg/L	Results
			Sample ID
			Composite West Pile (1-4)
Chromium	5.0	0.1	ND
Lead	5.0	0.5	ND

H.Khosh Khoo, PhD.,
 Laboratory Director/President



TCLP5

Client:

Soma Environmental Eng. Inc
 2680 Bishop Dr., Suite 203
 San Ramon, CA 94583

Client Project ID:
 2178
 On-site CBS
 Emeryville, CA

Ref. R4945322
 Method: 6010
 EPA 1311
 Sampled: 5/10/00
 Received: 5/10/00
 Matrix: Extract
 Analyzed: 5/10-12/00
 Reported: 5/12/00
 Unit: mg/L

Attention: Dr. Sepehr

Analytical Results for TCLP Analysis
 EPA 1311

Analyte	TCLP Max. Limit mg/L	Detection Limit mg/L	Results
			Sample ID
			Composite South Pile (1-6)
Chromium	5.0	0.1	ND
Lead	5.0	0.5	ND

H.Khosh Khoo, PhD.,
 Laboratory Director/President



TCLP5

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:
2178
On-site CBS
Emeryville, CA

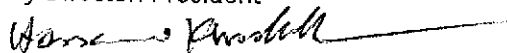
Ref. R4945321
Method: 6010
EPA 1311
Sampled: 5/10/00
Received: 5/10/00
Matrix Extract
Analyzed: 5/10-12/00
Reported: 5/12/00
Unit mg/L

Attention: Dr. Sepehr

Analytical Results for TCLP Analysis
EPA 1311

Analyte	TCLP Max. Limit mg/L	Detection Limit mg/L	Results
			Sample ID
			Composite North Pile (1-6)
Chromium	5.0	0.1	ND
Lead	5.0	0.5	ND

H.Khosh Khoo, PhD.,
Laboratory Director/President



TCLP5

Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Quality Control Report

Project ID:
2178
On-site CBS
Emeryville, CA

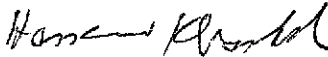
Ref: Q4945320
Method: TCLP/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/12/00
Reported: 5/12/00
Analyst: AD
Matrix: Extract
Units: mg/L
Sample: Blank

Attention: Dr. Sepehr

Analytical Results for TCLP Analysis

Analyte	Inst. Method	Spike Added mg/L	Detection Limit mg/L	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Chromium (III)	6010	5.00	0.1	112	111	0.9
Lead	6010	5.00	0.5	112	109	2.7

H. Khosh Khoo, PhD.,
Laboratory Director/President



Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:

2178
On-site CBS
Emeryville, CA

Ref: R4945310
Method: WET/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/12/00
Reported: 5/12/00
Analyst: AD
Matrix: Extract
Units: mg/L

Attention: Dr. Sepehr

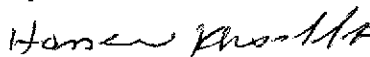
Analytical Results for STLC Analysis

W.E.T. Extraction per CA Title 22

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Results	
			Sample ID	
			Composite North Pile (1-6)	Composite South Pile (1-6)
Chromium (III)	5	0.10	ND	ND
Lead	5	0.50	5.8	1.5

ND: Not Detected

H. Khosh Khoo, PhD.,
Laboratory Director/President



Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583
San Francisco, CA 94103-2414

Quality Control Report

Client Project ID:
2178
On-site CBS
Emeryville, CA

Ref. Q4945310
Method: WET/6010
Matrix: Extract
Analyzed: 5/12/00
Reported: 5/12/00
Unit mg/L
Sample: Blank

Attention: Dr. Sepehr

Quality Control Report for for STLC Analysis

Analyte	Inst. Method	Spike Added mg/L	Detection Limit mg/L	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Chromium (III)	6010	5.0	0.5	112	111	0.9
Lead	6010	5.0	0.5	112	109	2.7

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



QTTLC17

Delta Environmental Laboratories



1/2

Chain of Custody (COC) Form

685 Stone Road #11 & 12
 Benicia, Ca, 94510
 (707) 747-6081, 800-7476082 FAX (707) 747-8082

Results to: ManSour Sepahy
 Client Name: SOM. ENV. Eng
 Address: 2680 Bishop Dr.
 City: San Ramon CO
 Telephone: 925 244 6600 Fax: 925 244 6601
 SAMPLER (signature): Nager Parlow
 Turnaround Time: 24 hrs

Analysis Requested

No. of containers	pH	Temperature	CAM-17	Si, LC, TCEP for	Chromium and Lead	PCBS
1						
1						
1						
1						
1						
1						
1						
1						
1						
1						

Project Name: Proj. 2178
CBS on site
 LAB ID: _____
 Ref #: _____

4945

Special Instructions::

#	Sample ID	Date	Time	Matrix	No. of containers	pH	Temperature	CAM-17	Si, LC, TCEP for	Chromium and Lead	PCBS	Comments
1	North Pile - 1	5/10	8:20	soil	1							Composite North Pile
2	" " - 2	"	"	"	1							
3	" " - 3	"	"	"	1							
4	" " - 4	"	"	"	1							
5	" " - 5	"	"	"	1							
6	" " - 6	"	"	"	1							
1	South Pile - 1	5/10	7:10	soil	1							Composite (1-6) South Pile
2	South Pile - 2	"	7:10	"	1							
3	South Pile - 3	"	7:10	"	1							

Relinquished by: _____ Date: 5/10 9:25
 Received By: _____ Date: 5/10/00
 Relinquished by: _____ Date: _____
 Received By: _____ Date: _____

- 1) Have all samples received been stored on ice? _____
- 2) Did any VOA samples received have any head space? _____
- 3) Were samples in appropriate containers and packaged properly? _____
- 4) Were samples received in good condition? _____

For Lab Use Only:

Delta Environmental Laboratories



2/2

Chain of Custody (COC) Form

685 Stone Road #11 & 12
Benicia, Ca, 94510
(707) 747-6081, 800-7476082 FAX (707) 747-8082

Results to: Mansour Sepehr
 Client Name SOMA
 Address 2680 Bishop Dr.
 City San Ramon, CO
 Telephone 925 244 6600 Fax: 925 244 6601
 SAMPLER (signature) Abdul Pakirov
 Turnaround Time 24 hrs

Project Name

Proj. 2178
CBS on-site

Analysis Requested

No. of containers	pH	Temperature	Analysis Requested
			<u>CEM 17</u>
			<u>PTL, TELP for</u>
			<u>Lead, Chromium</u>
			<u>PCBS</u>

LAB ID

Ref #

4945

Special Instructions::

#	Sample ID	Date	Time	Matrix	No. of containers	pH	Temperature	Analysis Requested	Comments
4	South Pile - 4	7	7:40	soil	1			<input checked="" type="checkbox"/>	} (1-6) Composite South
5	South Pile - 5		7:10		1			<input checked="" type="checkbox"/>	
6	South Pile - 6		7:10		1			<input checked="" type="checkbox"/>	

Relinquished by: [Signature] Date 5/10 9:25
 Received By: [Signature] Date 5/10/00
 Relinquished by: _____ Date _____
 Received By: _____ Date _____

- 1) Have all samples received been stored on ice? _____
- 2) Did any VOA samples received have any head space? _____
- 3) Were samples in appropriate containers and packaged properly? _____
- 4) Were samples received in good condition? _____

For Lab Use Only:

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Quality Control Report

Project ID:
2178
On-site CBS
Emeryville, CA

Ref: Q4946320
Method: TCLP/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/12/00
Reported: 5/12/00
Analyst: AD
Matrix: Extract
Units: mg/L
Sample: Blank

Attention: Dr. Sepehr

Analytical Results for TCLP Analysis

Analyte	Inst. Method	Spike Added mg/L	Detection Limit mg/L	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Chromium (III)	6010	5.00	0.1	112	111	0.9
Lead	6010	5.00	0.5	112	109	2.7

H.Khosh Khoo, PhD.,
Laboratory Director/President



Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:

2178
On-site CBS
Emeryville, CA

Ref: R4946310

Method: WET/6010

Sampled: 5/10/00

Received: 5/10/00

Analyzed: 5/12/00

Reported: 5/12/00

Analyst: AD

Matrix: Extract

Units: mg/L

Attention: Dr. Sepehr

Analytical Results for STLC Analysis

W.E.T. Extraction per CA Title 22

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Results
			Sample ID
			Composite
			West Pile (1-4)
Chromium (III)	5	0.10	ND
Lead	5	0.50	19

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583
San Francisco, CA 94103-2414

Quality Control Report

Client Project ID:
2178
On-site CBS
Emeryville, CA

Ref. Q4946310
Method: WET/6010
Matrix: Extract
Analyzed: 5/12/00
Reported: 5/12/00
Unit mg/L
Sample: Blank

Attention: Dr. Sepehr

Quality Control Report for for STLC Analysis

Analyte	Inst. Method	Spike Added mg/L	Detection Limit mg/L	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Chromium (III)	6010	5.0	0.5	112	111	0.9
Lead	6010	5.0	0.5	112	109	2.7

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



QTTL17

Delta Environmental Laboratories



1/1

Chain of Custody (COC) Form

685 Stone Road #11 & 12
Benicia, Ca, 94510
(707) 747-6081, 800-7476082 FAX (707) 747-8082

Results to: Mansour Sepahy

Client Name SOMA

Address 2680 Bishop Dr. Suite 203

City San Ramon

Telephone 925 244 6600 Fax: 925 244 6600

SAMPLER (signature) Naser Pakrou

Turnaround Time 24 hrs

No. of containers	Analysis Requested									
	pH	Temperature	CAM 17	STLC, TELP for	Lead and chromi	PCBS				
1			✓	✓	✓					
2										
3										
4										
5										
6										
7										
8										
9										
10										

Proj 2178
CBS-ON-SITE

LAB ID _____
Ref # _____

4946

Special Instructions:

#	Sample ID	Date	Time	Matrix	No. of containers	pH	Temperature	CAM 17	STLC, TELP for	Lead and chromi	PCBS	Comments
1	West Pile - 1	5/10	7:40	Soil	1							Composite West (1-4)
2	West Pile - 2	"	"	"	1			✓	✓	✓		
3	West Pile - 3	"	"	"	1							
4	West Pile - 4	"	"	"	1							
5												
6												
7												
8												
9												
10												

Relinquished by: Date 5/10 8:30

Received By: Date 5/10/00

Relinquished by: _____ Date _____

Received By: _____ Date _____

- 1) Have all samples received been stored on ice? _____
- 2) Did any VOA samples received have any head space? _____
- 3) Were samples in appropriate containers and packaged properly? _____
- 4) Were samples received in good condition? _____

For Lab Use Only:

2178-3

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL



ENVIRONMENTAL LABORATORIES, Ltd

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2178
CBS-On- Site

Ref: R4946pcbs
Method: 8080
Sampled: 5/10/00
Received: 5/10/00
Matrix: Soil
Analyzed: 5/10-11/00
Reported: 5/11/00
Units: mg/kg

Attention: Dr. Sepahr

24h

**Analytical Results for PCBs
EPA 8080**

Analyte	Detection Limit mg/kg	Results
		Sample ID Composite West Pile [1-6]
PCBs		
PCB 1016	0.02	ND
PCB 1221	0.08	ND
PCB 1232	0.02	ND
PCB 1242	0.02	ND
PCB 1248	0.02	ND
PCB 1254	0.02	ND
PCB 1260	0.02	150

ND:Not Detected(<MDL)

Hossein Khosh Khoo, Ph.D.
Laboratory Director/President

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Quality Control Report

Project ID:

2178
On-site CBS
Emeryville, CA

Ref: Q4945300
Method: 7000/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/10/00
Reported: 5/10/00
Analyst: AD
Matrix: Solid
Units: mg/kg

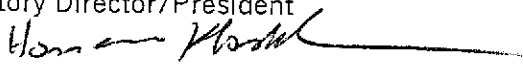
Attention: Dr. Sepehr

Analytical Results for TTLC Tests

Analyte	Inst. Method	Spike Added mg/kg	Detection Limit mg/kg	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Silver	6010	50	1.00	102	103	1.0
Arsenic	6010	50	5.00	99	101	2.0
Barium	6010	50	1.00	106	100	5.8
Beryllium	6010	50	1.00	92	92	0.0
Cadmium	6010	50	1.00	92	91	1.1
Cobalt	6010	50	1.00	100	99	1.0
Chromium (III)	6010	50	1.00	99	98	1.0
Copper	6010	50	1.00	110	106	3.7
Mercury	7471	0.625	0.060	97	85	13.2
Molybdenum	6010	50	1.00	94	94	0.0
Nickel	6010	50	2.00	86	87	1.2
Lead	6010	50	5.00	92	94	2.2
Antimony	6010	50	5.00	92	94	2.2
Selenium	6010	50	5.00	84	89	5.8
Thallium	6010	50	5.00	107	113	5.5
Vanadium	6010	50	1.00	100	100	0.0
Zinc	6010	50	1.00	93	94	1.1

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



Delta#1/general/QTMP_17_300s

DELTA

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

ENVIRONMENTAL LABORATORIES, Ltd

Client:

Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:

2178
On-site CBS
meryville, CA

Ref: R4945300
Method: 7000/6010
Sampled: 5/10/00
Received: 5/10/00
Analyzed: 5/10/00
Reported: 5/10/00
Analyst: AD
Matrix: Solid
Units: mg/kg

Attention: Dr. Sepehr

24 hours


Analytical Results for TTLC Analysis

Digestion :EPA 3050

Analyte	TTLC Max. Limit (mg/kg)	Detection Limit (mg/kg)	Results	
			Sample ID	
			Composite North Pile (1-6)	Composite South Pile (1-6)
Silver	500	1.0	ND	ND
Arsenic	500	5.0	ND	ND
Barium	10,000	1.0	290	260
Beryllium	75	1.0	ND	ND
Cadmium	100	1.0	ND	ND
Cobalt	8,000	1.0	14	14
Chromium (III)	2,500	1.0	26	23
Copper	2,500	1.0	78	40
Mercury	20	0.06	ND	ND
Molybdenum	3,500	1.0	ND	ND
Nickel	2,000	2.0	27	23
Lead	1,000	5.0	80	42
Antimony	500	5.0	13	ND
Selenium	100	5.0	ND	ND
Thallium	700	5.0	ND	ND
Vanadium	2,400	1.0	35	31
Zinc	5,000	1.0	260	180

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



Delta#1/general/RTMP_17_300s

Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2178
CBS-On- Site

Ref: R4945pcbs
Method: 8080
Sampled: 5/10/00
Received: 5/10/00
Matrix: Soil
Analyzed: 5/10-11/00
Reported: 5/11/00
Units: mg/kg

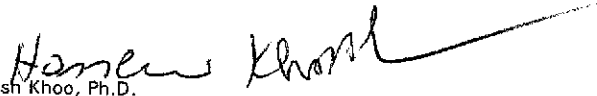
Attention: Dr. Sepehr

24h

Analytical Results for PCBs
EPA 8080

Analyte	Detection Limit mg/kg	Results	
		Sample ID	
		Composite North Pile[1-6]	Composite South Pile[1-6]
PCBs			
PCB 1016	0.02	ND	ND
PCB 1221	0.08	ND	ND
PCB 1232	0.02	ND	ND
PCB 1242	0.02	ND	ND
PCB 1248	0.02	ND	ND
PCB 1254	0.02	ND	ND
PCB 1260	0.02	103	185

ND:Not Detected(<MDL)


Hossein Khosh Khoo, Ph.D.
Laboratory Director/President

Quality Control Report

Client:

Soma Environmental Eng. Inc
 2680 Bishop Dr., Suite 203
 San Ramon, CA 94583

Client Project ID:
 2178
 CBS-on- Site

Attention : Dr. M. Sepehr

Ref.: Q4945pcb
 Method 8080
 Sampled: 5/10/00
 Received: 5/10/00
 Matrix: soil
 Analyzed: 5/10-11/00
 Analyst DS
 Reported: 5/11/00
 Units: mg/kg

Sample Spiked :Blank

Quality Control Report for PCB's
 EPA 8080/8082

Analyte	Detection Limit mg/kg	Sample Result mg/kg	Spike Added mg/kg	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
PCB 1260	0.02	ND	0.10	68	70	2.9	8080

Delta Environmental Laboratories

H.Khosh Khoo, PhD.,
 Laboratory Director/President



Qtmp800_pcbsoil



12 May, 2000

Mansour Sepehr
Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon, CA. 94583

RE: 2178 CBS On-Site
Sequoia Report: W005189

Enclosed are the results of analyses for samples received by the laboratory on 08-May-00 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma
Project Manager

CA ELAP Certificate #1271





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Northpile Composite	W005189-01	Soil	08-May-00 12:30	08-May-00 14:15
Southpile Composite	W005189-02	Soil	08-May-00 12:20	08-May-00 14:15
Westpile Composite	W005189-03	Soil	08-May-00 12:40	08-May-00 14:15





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Northpile Composite (W005189-01) Soil Sampled: 08-May-00 12:30 Received: 08-May-00 14:15									
Mercury	0.11	0.010	mg/kg	1	0E09022	09-May-00	11-May-00	EPA 7471A	
Antimony	39	10	"	2	0E08014	08-May-00	08-May-00	EPA 6010A	
Arsenic	110	10	"	"	"	"	"	"	
Barium	440	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	2.9	1.0	"	"	"	"	"	"	
Chromium	48	1.0	"	"	"	"	"	"	
Cobalt	15	1.0	"	"	"	"	"	"	
Copper	260	1.0	"	"	"	"	"	"	
Lead	320	2.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	55	1.0	"	"	"	"	"	"	
Selenium	120	10	"	"	"	"	"	"	
Silver	3.9	1.0	"	"	"	"	"	"	
Thallium	ND	10	"	"	"	"	"	"	
Vanadium	190	1.0	"	"	"	"	"	"	
Zinc	880	5.0	"	"	"	"	"	"	

Southpile Composite (W005189-02) Soil

Sampled: 08-May-00 12:20 Received: 08-May-00 14:15

Mercury	0.075	0.010	mg/kg	1	0E09022	09-May-00	11-May-00	EPA 7471A	
Antimony	39	10	"	2	0E08014	08-May-00	08-May-00	EPA 6010A	
Arsenic	89	10	"	"	"	"	"	"	
Barium	300	1.0	"	"	"	"	"	"	
Beryllium	1.6	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	57	1.0	"	"	"	"	"	"	
Cobalt	17	1.0	"	"	"	"	"	"	
Copper	89	1.0	"	"	"	"	"	"	
Lead	8.7	2.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	55	1.0	"	"	"	"	"	"	
Selenium	130	10	"	"	"	"	"	"	
Silver	3.1	1.0	"	"	"	"	"	"	
Thallium	ND	10	"	"	"	"	"	"	
Vanadium	220	1.0	"	"	"	"	"	"	
Zinc	140	5.0	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Westpile Composite (W005189-03) Soil Sampled: 08-May-00 12:40 Received: 08-May-00 14:15									
Mercury	0.12	0.010	mg/kg	1	0E09022	09-May-00	11-May-00	EPA 7471A	
Antimony	69	10	"	2	0E08014	08-May-00	08-May-00	EPA 6010A	
Arsenic	220	10	"	"	"	"	"	"	
Barium	770	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	13	1.0	"	"	"	"	"	"	
Chromium	69	1.0	"	"	"	"	"	"	
Cobalt	18	1.0	"	"	"	"	"	"	
Copper	2200	1.0	"	"	"	"	"	"	
Lead	1400	2.0	"	"	"	"	"	"	
Molybdenum	ND	1.0	"	"	"	"	"	"	
Nickel	70	1.0	"	"	"	"	"	"	
Selenium	190	10	"	"	"	"	"	"	
Silver	12	1.0	"	"	"	"	"	"	
Sodium	ND	10	"	"	"	"	"	"	
Vanadium	290	1.0	"	"	"	"	"	"	
Zinc	2900	5.0	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

**STLC CAM Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Northpile Composite (W005189-01) Soil Sampled: 08-May-00 12:30 Received: 08-May-00 14:15									
Chromium	0.32	0.10	mg/l	10	0E08020	08-May-00	12-May-00	EPA 6010A	
Lead	22	0.20	"	"	"	08-May-00	"	"	
Southpile Composite (W005189-02) Soil Sampled: 08-May-00 12:20 Received: 08-May-00 14:15									
Chromium	0.16	0.10	mg/l	10	0E08020	08-May-00	12-May-00	EPA 6010A	
Lead	0.33	0.20	"	"	"	08-May-00	"	"	
Westpile Composite (W005189-03) Soil Sampled: 08-May-00 12:40 Received: 08-May-00 14:15									
Chromium	0.43	0.10	mg/l	10	0E08020	08-May-00	12-May-00	EPA 6010A	
Lead	27	0.20	"	"	"	08-May-00	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

TCLP Metals by EPA 1311/6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Northpile Composite (W005189-01) Soil Sampled: 08-May-00 12:30 Received: 08-May-00 14:15									
Chromium	ND	0.010	mg/l	1	0E09014	09-May-00	12-May-00	EPA 6010A	
Lead	0.68	0.020	"	"	"	"	"	"	
Southpile Composite (W005189-02) Soil Sampled: 08-May-00 12:20 Received: 08-May-00 14:15									
Chromium	ND	0.010	mg/l	1	0E09014	09-May-00	12-May-00	EPA 6010A	
Lead	0.023	0.020	"	"	"	"	"	"	
Westpile Composite (W005189-03) Soil Sampled: 08-May-00 12:40 Received: 08-May-00 14:15									
Chromium	ND	0.010	mg/l	1	0E09014	09-May-00	12-May-00	EPA 6010A	
Lead	0.62	0.020	"	"	"	"	"	"	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0E08014 - EPA 3050B

Blank (0E08014-BLK1)

Prepared & Analyzed: 08-May-00

Cadmium	ND	0.50	mg/kg							
Chromium	ND	0.50	"							
Copper	1.50	0.50	"							Q-18
Lead	ND	1.0	"							
Nickel	ND	0.50	"							
Zinc	ND	2.5	"							

LCS (0E08014-BS1)

Prepared & Analyzed: 08-May-00

Cadmium	50.7	0.50	mg/kg	50.0		101	80-120			
Chromium	50.6	0.50	"	50.0		101	80-120			
Copper	59.0	0.50	"	50.0		118	80-120			
Lead	50.2	1.0	"	50.0		100	80-120			
Nickel	51.8	0.50	"	50.0		104	80-120			
Zinc	57.7	2.5	"	50.0		115	80-120			

LCS Dup (0E08014-BSD1)

Prepared & Analyzed: 08-May-00

Cadmium	50.4	0.50	mg/kg	50.0		101	80-120	0.593	20	
Chromium	50.6	0.50	"	50.0		101	80-120	0	20	
Copper	53.7	0.50	"	50.0		107	80-120	9.41	20	
Lead	51.7	1.0	"	50.0		103	80-120	2.94	20	
Nickel	51.4	0.50	"	50.0		103	80-120	0.775	20	
Zinc	53.6	2.5	"	50.0		107	80-120	7.37	20	

Batch 0E09022 - EPA 7471A

Blank (0E09022-BLK1)

Prepared: 09-May-00 Analyzed: 11-May-00

Mercury	ND	0.010	mg/kg							
---------	----	-------	-------	--	--	--	--	--	--	--





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E09022 - EPA 7471A										
LCS (0E09022-BS1)										
Mercury	0.100	0.010	mg/kg	0.100		100	75-125			
Prepared: 09-May-00 Analyzed: 11-May-00										
LCS Dup (0E09022-BSD1)										
Mercury	0.101	0.010	mg/kg	0.100		101	75-125	0.995	20	
Prepared: 09-May-00 Analyzed: 11-May-00										
Matrix Spike (0E09022-MS1)										
		Source: W005189-01								
Mercury	0.191	0.010	mg/kg	0.100	0.11	81.0	75-125			
Prepared: 09-May-00 Analyzed: 11-May-00										
Matrix Spike Dup (0E09022-MSD1)										
		Source: W005189-01								
Mercury	0.193	0.010	mg/kg	0.100	0.11	83.0	75-125	1.04	20	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E08020 - Title 22-STLC										
Blank (0E08020-BLK1)										
					Prepared: 08-May-00 Analyzed: 12-May-00					
Chromium	ND	0.10	mg/l							
Lead	ND	0.20	"							
LCS (0E08020-BS1)										
					Prepared: 08-May-00 Analyzed: 12-May-00					
Chromium	9.32	0.10	mg/l	10.0		93.2	80-120			
Lead	10.4	0.20	"	10.0		104	80-120			
LCS Dup (0E08020-BSD1)										
					Prepared: 08-May-00 Analyzed: 12-May-00					
Chromium	9.26	0.10	mg/l	10.0		92.6	80-120	0.646	20	
Lead	10.5	0.20	"	10.0		105	80-120	0.957	20	
Post Spike (0E08020-PS1)										
					Source: W005189-01 Prepared: 08-May-00 Analyzed: 12-May-00					
Chromium	9.82	0.10	mg/l	10.0	0.32	95.0	80-120			
	31.9	0.20	"	10.0	22	99.0	80-120			





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepchr

Reported:
12-May-00 16:37

**TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E09014 - EPA 3010A TCLP										
Blank (0E09014-BLK1) Prepared: 09-May-00 Analyzed: 12-May-00										
Chromium	ND	0.010	mg/l							
Lead	ND	0.020	"							
LCS (0E09014-BS1) Prepared: 09-May-00 Analyzed: 12-May-00										
Chromium	0.970	0.010	mg/l	1.00		97.0	80-120			
Lead	1.08	0.020	"	1.00		108	80-120			
LCS Dup (0E09014-BSD1) Prepared: 09-May-00 Analyzed: 12-May-00										
Chromium	0.953	0.010	mg/l	1.00		95.3	80-120	1.77	20	
Lead	1.00	0.020	"	1.00		100	80-120	7.69	20	
Matrix Spike (0E09014-MS1) Source: W005189-01 Prepared: 09-May-00 Analyzed: 12-May-00										
Chromium	0.956	0.010	mg/l	1.00	ND	95.6	80-120			
Lead	1.72	0.020	"	1.00	0.68	104	80-120			
Matrix Spike Dup (0E09014-MSD1) Source: W005189-01 Prepared: 09-May-00 Analyzed: 12-May-00										
Chromium	0.936	0.010	mg/l	1.00	ND	93.6	80-120	2.11	20	
Lead	1.70	0.020	"	1.00	0.68	102	80-120	1.17	20	





Soma Environmental Eng.
2680 Bishop Dr., Ste. #203
San Ramon CA., 94583

Project: 2178 CBS On-Site
Project Number: ...
Project Manager: Mansour Sepehr

Reported:
12-May-00 16:37

Notes and Definitions

- Q-18 The method blank contains analyte at a concentration above the MRL. This concentration is less than 5% of the sample result, which is negligible according to method criteria.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





- 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-0308
- 819 Striker Avenue Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-9600
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9675
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: SOMIT		Project Name: Proj. 2178 CBS on-site	
Mailing Address: 2680 Bishop Dr. Suite 203		Billing Address (if different):	
City: San Ramon State: CA Zip Code:	W005189		
Telephone: 925 244 6600 FAX #: 925 244 6601	P.O. #:		
Report To: Mansour Sepehr Sampler: Naser Paklov	QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours

Time: 7 Working Days 2 Working Days

5 Working Days 24 Hours

Drinking Water Waste Water Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested					Comments
						CAM-IT	SITE Lead	Chromium	TCLP Lead	Chromium	
1. North Pile-1	5/8/ 12:30	soil	1	Tube	O1A-D	✓	✓		✓		Composite North Pile
2. North Pile-2	"	"	1	"		✓			✓		
3. North Pile-3	"	"	1	"		✓			✓		
4. North Pile-4	"	"	1	"		✓			✓		
5. South Pile-1	5/8 12:20				O2A-D	✓	✓		✓		Composite South Pile
6. South Pile-2	"					✓			✓		
7. South Pile-3	"					✓			✓		
8. South Pile-4	"					✓			✓		
9.											
10.											

Relinquished By:	Date: 5/8	Time: 14:15	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: CS (m)	Date: 5/8/00	Time: 14:15

Pink - Client
Yellow - Sequoia
White - Sequoia



885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
 819 Striker Avenue Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-9600
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: SOMA			Project Name: Proj 2178 CBS on-site		
Mailing Address: 2680 Bishop Dr. Suite 203			Billing Address (if different):		
City: San Ramon	State: CA	Zip Code:	W005189		
Telephone: 925 244 6600		FAX #: 925 244 6600	P.O. #:		
Report To: Mansour Beheh	Sampler: Naser Pakirov		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Drinking Water
 Waste Water
 Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments				
1. West Pile-1	5/8 12:40	soil	1	Tub		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CAM-17</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STLC Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chromium</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TCLP Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chromium</div> </div>										Composite West Pile				
2. West Pile-2	" "	soil	1	"																
3. West Pile-3	" "	soil	1	"	03A-D	✓	✓	✓												
4. West Pile-4	" "	soil	1	"																
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

Relinquished By: Naser Pakirov	Date: 5/8	Time: 14:15	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [Signature]	Date: 5/8/00	Time: 14:15

Pink - Client
 Yellow - Sequoia
 White - Sequoia

Table 10**Analytical Results of Storm Water and Groundwater Samples Collected in April & May 2000**

Analyte	Unit	Tank-1	Tank-2	Tank-3	Tank-3*	Tank-4	Tank-5	Storm water
Gasoline	ug/L	75	79	ND	60	ND	170	ND
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	8.8	ND	16	ND
Ethlybenzene	ug/L	ND	7.4	ND	ND	ND	ND	ND
Total Xylenes	ug/L	27	16.63	ND	6.9	ND	1.91	ND
Lead	ug/L	33	110	0.01	ND	0.01	3.8	22
PCB	ug/L	6.7	7.9	ND	5.8	1	27	11

* This sample was taken in May and analyzed by Delta Environmental Laboratory,
the other samples were taken in April and analyzed by Curtis & Tompkins Ltd.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 01-MAY-00
Lab Job Number: 145058
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: *Teresa E. Morrison* for JG
Operations Manager

Reviewed by: *Anna Fayant*
Project Manager

This package may be reproduced only in its entirety.

CHAIN OF CUSTODY FORM

Analyses

C&T
LOGIN # W15058

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

Project No: 2178
Project Name: CBS on-site
Project P.O.:
Turnaround Time: Rush 4day R

Sampler: Naser Pakrou
Report To: Naser Pakrou
Company: SOMA ENV. ENG.
Telephone: 925 2446600
Fax: 925 2446601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes
			Soil	Water	Waste		HCL	H ₂ SO	HNO ₃	ICE	None	
1	Tank-1	4/17/00 11:20		✓		4	✓		✓	✓		✓ PCBs, TPH, BTEX, Lead
2	Soilm	16:30		✓		4	✓		✓	✓		

Notes: Please Report ASAP! 4/17/00

Rec'd Ambient - received directly from field prior to signature - 4/17/00

RELINQUISHED BY:		RECEIVED BY:	
<u>[Signature]</u>	<u>4/17/00 12:07</u> DATE/TIME	<u>Anna [Signature]</u>	<u>4/17/00 12:07</u> DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Gasoline by GC/FID CA LUFT

Lab #: 145058	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030
Project#: 2178	Analysis: EPA 8015M
Matrix: Water	Batch#: 55233
Units: ug/L	Sampled: 04/17/00
Diln Fac: 1.000	Received: 04/17/00

Field ID: TANK-1 Lab ID: 145058-001
 Type: SAMPLE Analyzed: 04/20/00

Analyte	Result	RL
Gasoline C7-C12	75 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	59-135
Bromofluorobenzene (FID)	118	60-140

Field ID: STORM Lab ID: 145058-002
 Type: SAMPLE Analyzed: 04/20/00

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	59-135
Bromofluorobenzene (FID)	117	60-140

Type: BLANK Analyzed: 04/19/00
 Lab ID: QC113313

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	59-135
Bromofluorobenzene (FID)	100	60-140

Y = Sample exhibits fuel pattern which does not resemble standard
 Z = Sample exhibits unknown single peak or peaks
 ND = Not Detected
 RL = Reporting Limit
 Page 1 of 1

GC07 TVH 'A' Data File RTX 502

Sample Name : 145058-001,55233

FileName : G:\GC07\DATA\110A036.raw

Method : TVHBTXE

Start Time : 0.00 min

Scale Factor: -1.0

End Time : 26.00 min

Plot Offset: 8 mV

Sample #:

Date : 4/20/00 09:48 AM

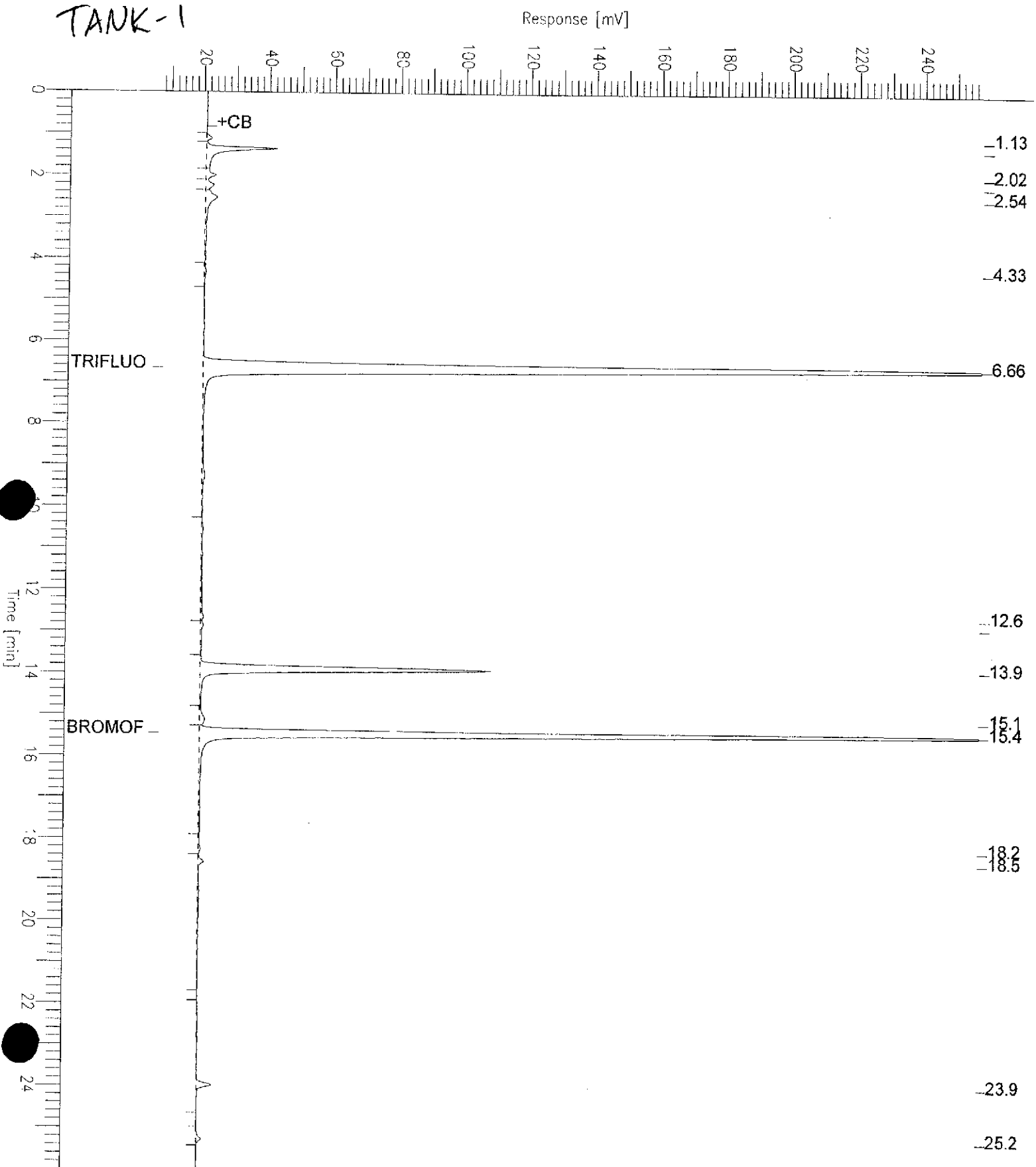
Time of Injection: 4/20/00 09:21 AM

Low Point : 7.82 mV

Plot Scale: 250.0 mV

Page 1 of 1

High Point : 257.82 mV



GC07 TVH 'A' Data File RTX 502

Sample Name : CCV,TVH,55233,00WS8880,5/5000

Sample #: GAS

Page 1 of 1

FileName : G:\GC07\DATA\110A003.raw

Date : 4/19/00 12:48 PM

Method : TVHBTXE

Time of Injection: 4/19/00 12:21 PM

Start Time : 0.00 min

End Time : 26.00 min

Low Point : 6.57 mV

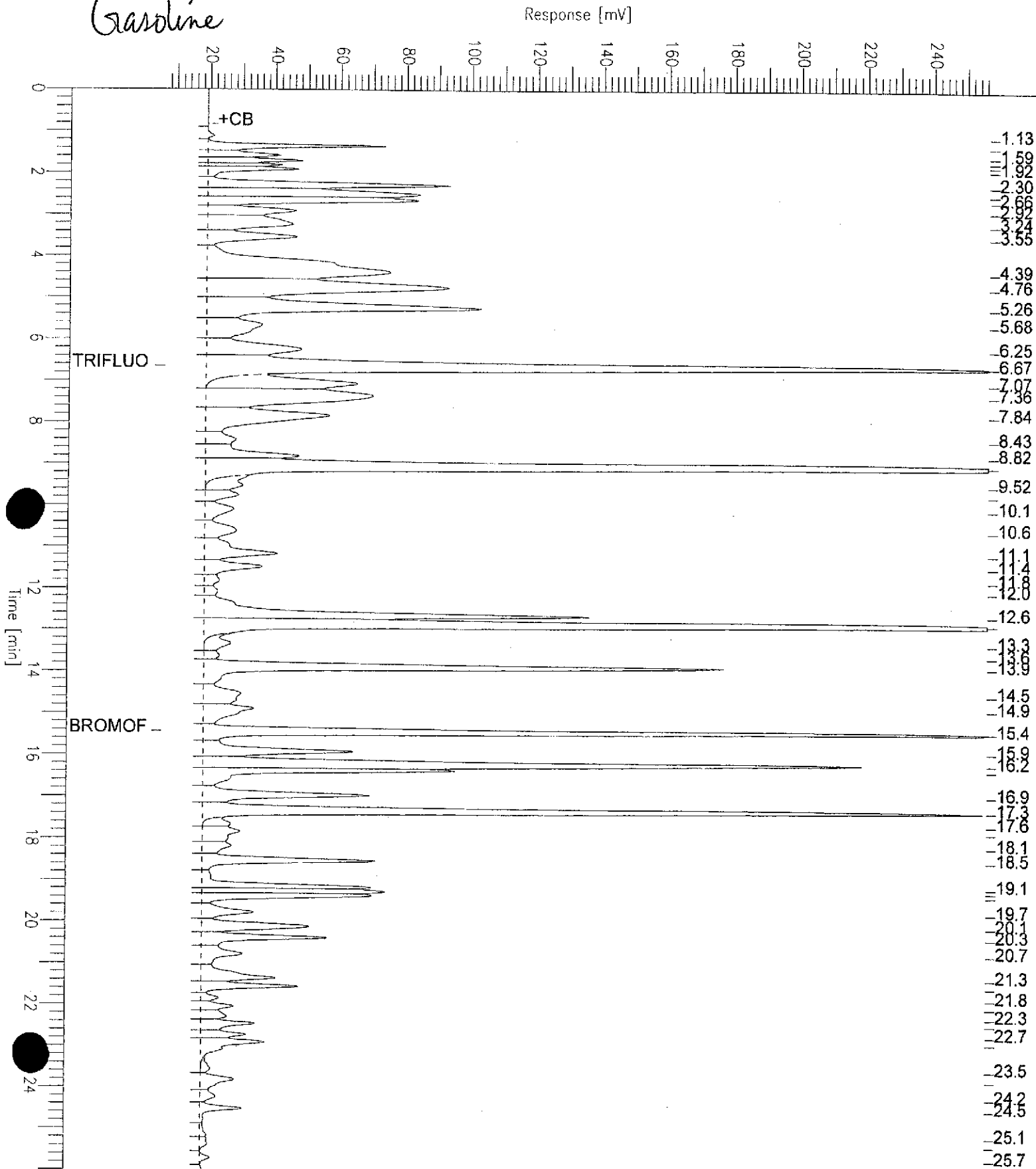
High Point : 256.57 mV

Gain Factor: -1.0

Plot Offset: 7 mV

Plot Scale: 250.0 mV

Gasoline





Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	55233
Units:	ug/L	Sampled:	04/17/00
Diln Fac:	1.000	Received:	04/17/00

Field ID: TANK-1 Lab ID: 145058-001
 Type: SAMPLE Analyzed: 04/20/00

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	27	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	109	56-142
Bromofluorobenzene (PID)	113	55-149

Field ID: STORM Lab ID: 145058-002
 Type: SAMPLE Analyzed: 04/20/00

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	109	56-142
Bromofluorobenzene (PID)	114	55-149

Type: BLANK Analyzed: 04/19/00
 Lab ID: QC113313

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	56-142
Bromofluorobenzene (PID)	100	55-149



Gasoline by GC/FID CA LUFT

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Matrix:	Water	Batch#:	55233
Units:	ug/L	Analyzed:	04/20/00
Diln Fac:	1.000		

Type: BS Lab ID: QC113310

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,940	97	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-135
Bromofluorobenzene (FID)	109	60-140

Type: BSD Lab ID: QC113311

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,855	93	73-121	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	59-135
Bromofluorobenzene (FID)	98	60-140

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC113312	Batch#:	55233
Matrix:	Water	Analyzed:	04/19/00
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	17.58	88	67-117
Toluene	20.00	19.08	95	69-117
Ethylbenzene	20.00	18.45	92	68-124
m,p-Xylenes	40.00	37.15	93	70-125
o-Xylene	20.00	18.47	92	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	56-142
Bromofluorobenzene (PID)	101	55-149

Polychlorinated Biphenyls (PCBs)

Lab #: 145058	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3510
Project#: 2178	Analysis: EPA 8082
Matrix: Water	Sampled: 04/17/00
Units: ug/L	Received: 04/17/00
Diln Fac: 1.000	Prepared: 04/17/00
Batch#: 55186	

Field ID: TANK-1	Lab ID: 145058-001
Type: SAMPLE	Analyzed: 04/19/00

Analyte	Result	RL
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.47
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	6.7	0.47

Surrogate	%REC	Limits
TCMX	67	27-116
Decachlorobiphenyl	38	15-110

Field ID: STORM	Lab ID: 145058-002
Type: SAMPLE	Analyzed: 04/19/00

Analyte	Result	RL
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.47
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	11	0.47

Surrogate	%REC	Limits
TCMX	77	27-116
Decachlorobiphenyl	52	15-110

Type: BLANK	Analyzed: 04/18/00
Lab ID: QC113138	

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	0.50
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	70	27-116
Decachlorobiphenyl	56	15-110



Polychlorinated Biphenyls (PCBs)

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3510
Project#:	2178	Analysis:	EPA 8082
Matrix:	Water	Batch#:	55186
Units:	ug/L	Prepared:	04/17/00
Diln Fac:	1.000	Analyzed:	04/18/00

Type: BS Lab ID: QC113139

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	5.000	4.389	88	46-111

Surrogate	%REC	Limits
TCMX	72	27-116
Decachlorobiphenyl	50	15-110

Type: BSD Lab ID: QC113140

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	5.000	4.700	94	46-111	7	26

Surrogate	%REC	Limits
TCMX	74	27-116
Decachlorobiphenyl	53	15-110



Lead

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	04/17/00
Matrix:	Water	Received:	04/17/00
Units:	ug/L	Prepared:	04/18/00
Diln Fac:	1.000	Analyzed:	04/20/00
Batch#:	55224		

Field ID	Type	Lab ID	Result	RL
TANK-1	SAMPLE	145058-001	33	3.0
STORM	SAMPLE	145058-002	22	3.0
	BLANK	QC113275	ND	3.0

Lead

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	55224
Field ID:	STORM	Sampled:	04/17/00
MSS Lab ID:	145058-002	Received:	04/17/00
Matrix:	Water	Prepared:	04/18/00
Units:	ug/L	Analyzed:	04/20/00
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC113276		100.0	95.10		95	78-120		
BSD	QC113277		100.0	93.00		93	78-120	2	20
SDUP	QC113278	21.60		19.10	3.0			12	29
SSPIKE	QC113279	21.60	100.0	104.0		82	66-128		

RL = Reporting Limit
 RPD= Relative Percent Difference
 Page 1 of 1



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 02-MAY-00
Lab Job Number: 145107
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:

Tracy Bobe
Project Manager

Reviewed by:

Juan K Morrison
Operations Manager

This package may be reproduced only in its entirety.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T LOGIN # 145107

Analyses

Project No: 2178

Sampler: Naser Pakrou

Project Name: CBS ON

Report To: Naser Pakrou

Project P.O.:

Company: SOMA ENV. Eng.

Turnaround Time: 3 days


Telephone: 925 244 6600

Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes
			Soil	Water	Waste		HCL	H2SO	HNO3	ICE	NONE	
For Laboratory Use	TANK-2					2	✓					PCBs ✓ TPHy-BTEX ✓ Lead
						1			✓			
						1				✓		

Notes: Will try 3day, but may be 4day. R 4/18/00

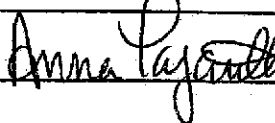
RELINQUISHED BY:



4/18/00 3:57
DATE/TIME

DATE/TIME

RECEIVED BY:



4/18/00 3:57
DATE/TIME

DATE/TIME

Signature

Gasoline by GC/FID CA LUFT

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Field ID:	TANK-2	Batch#:	55233
Matrix:	Water	Sampled:	04/18/00
Units:	ug/L	Received:	04/18/00
Diln Fac:	1.000	Analyzed:	04/19/00

Type: SAMPLE Lab ID: 145107-001

Analyte	Result	RL
Gasoline C7-C12	79	50

Surrogate	REC	Limits
Trifluorotoluene (FID)	110	59-135
Bromofluorobenzene (FID)	114	60-140

BLANK Lab ID: QC113313

Analyte	Result	RL
Gasoline C7-C12	ND	50

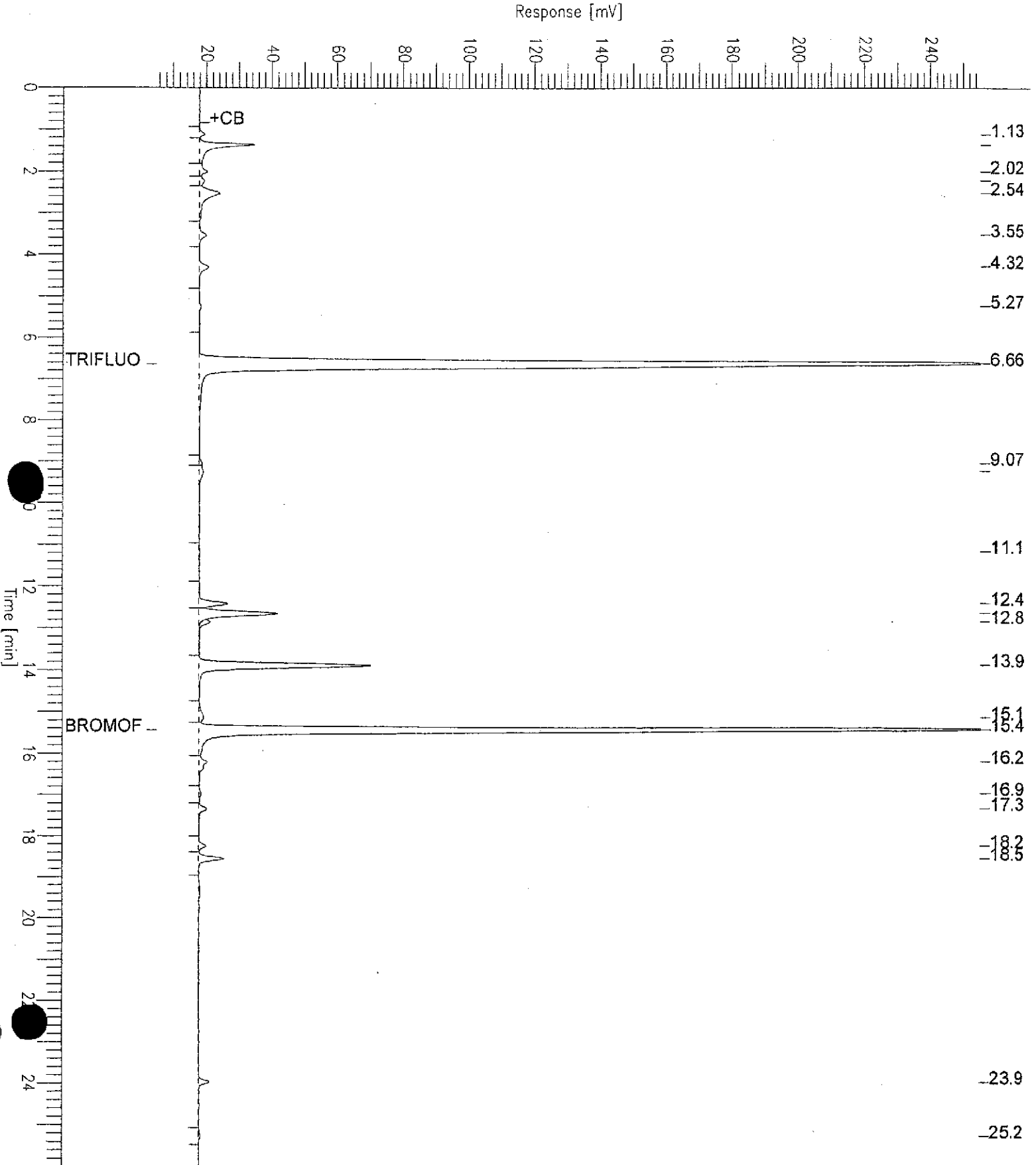
Surrogate	REC	Limits
Trifluorotoluene (FID)	104	59-135
Bromofluorobenzene (FID)	100	60-140

GC07 TVH 'A' Data File RTX 502

Sample Name : MSS,145107-001,55233
 FileName : G:\GC07\DATA\110A012.raw
 Method : TVHBTXE
 Time : 0.00 min
 Scale Factor: -1.0

End Time : 26.00 min
 Plot Offset: 5 mV

Sample #: _____ Page 1 of 1
 Date : 4/19/00 07:01 PM
 Time of Injection: 4/19/00 06:34 PM
 Low Point : 5.27 mV High Point : 255.27 mV
 Plot Scale: 250.0 mV



GC07 TVH 'A' Data File RTX 502

Sample Name : CCV,TVH,55233,00WS8880,5/5000

Sample #: GAS

Page 1 of 1

FileName : G:\GC07\DATA\110A003.raw

Date : 4/19/00 12:48 PM

Method : TVHBTXE

Time of Injection: 4/19/00 12:21 PM

Start Time : 0.00 min

End Time : 26.00 min

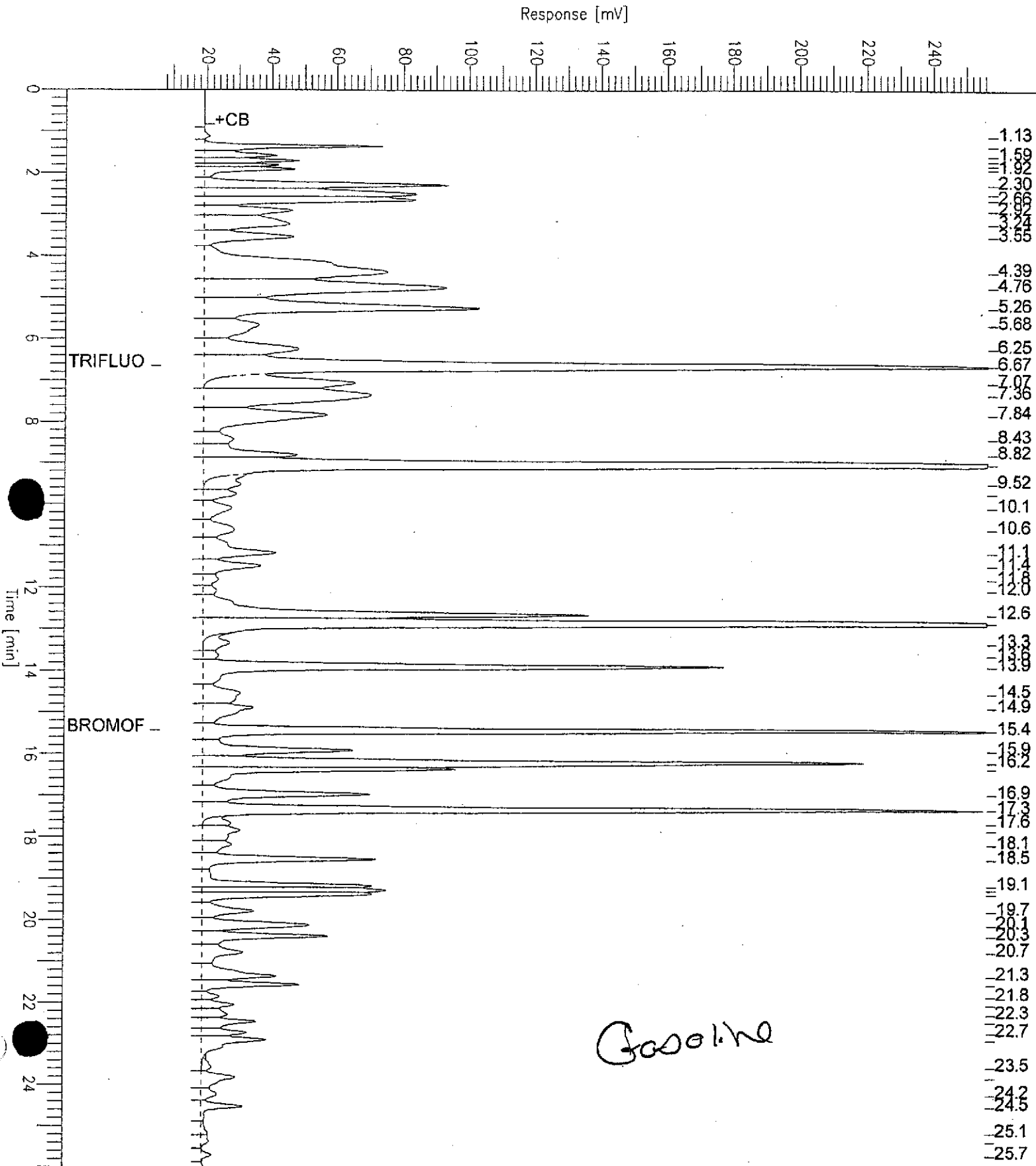
Low Point : 6.57 mV

High Point : 256.57 mV

Factor: -1.0

Plot Offset: 7 mV

Plot Scale: 250.0 mV



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Field ID:	TANK-2	Batch#:	55233
Matrix:	Water	Sampled:	04/18/00
Units:	ug/L	Received:	04/18/00
Diln Fac:	1.000	Analyzed:	04/19/00

Type: SAMPLE Lab ID: 145107-001

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	7.4	0.50
m,p-Xylenes	0.63	0.50
o-Xylene	16	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	109	56-142
Bromofluorobenzene (PID)	112	55-149

Type: BLANK Lab ID: QC113313

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	56-142
Bromofluorobenzene (PID)	100	55-149

Gasoline by GC/FID CA LUFT

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Matrix:	Water	Batch#:	55233
Units:	ug/L	Analyzed:	04/20/00
Diln Fac:	1.000		

Type: BS Lab ID: QC113310

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,940	97	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	59-135
Bromofluorobenzene (FID)	109	60-140

Type: BSD Lab ID: QC113311

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,855	93	73-121	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	59-135
Bromofluorobenzene (FID)	98	60-140

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC113312	Batch#:	55233
Matrix:	Water	Analyzed:	04/19/00
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	17.58	88	67-117
Toluene	20.00	19.08	95	69-117
Ethylbenzene	20.00	18.45	92	68-124
m,p-Xylenes	40.00	37.15	93	70-125
o-Xylene	20.00	18.47	92	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	56-142
Bromofluorobenzene (PID)	101	55-149

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Field ID:	TANK-2	Batch#:	55233
MSS Lab ID:	145107-001	Sampled:	04/18/00
Matrix:	Water	Received:	04/18/00
Units:	ug/L	Analyzed:	04/19/00
Diln Fac:	1.000		

Type: MS Lab ID: QC113314

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	ND	20.00	18.94	95	65-123
Toluene	ND	20.00	21.56	108	73-122
Ethylbenzene	7.423	20.00	25.64	91	59-137
m,p-Xylenes	0.6320	40.00	40.68	100	68-132
o-Xylene	15.90	20.00	35.44	98	61-140

Surrogate	%REC	Limits
Fluorotoluene (PID)	110	56-142
Bromofluorobenzene (PID)	113	55-149

Type: MSD Lab ID: QC113315

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.20	96	65-123	1	20
Toluene	20.00	21.99	110	73-122	2	20
Ethylbenzene	20.00	26.39	95	59-137	3	20
m,p-Xylenes	40.00	41.31	102	68-132	2	20
o-Xylene	20.00	35.97	100	61-140	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	110	56-142
Bromofluorobenzene (PID)	113	55-149

Polychlorinated Biphenyls (PCBs)

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Field ID:	TANK-2	Sampled:	04/18/00
Matrix:	Water	Received:	04/18/00
Units:	ug/L	Prepared:	04/18/00
Diln Fac:	1.000	Analyzed:	04/20/00
Batch#:	55212		

Type: SAMPLE Lab ID: 145107-001

Analyte	Result	RL
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.47
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	7.9	0.47

Surrogate	%REC	Limits
TCMX	44	27-116
Decachlorobiphenyl	23	15-110

Type: BLANK Lab ID: QC113235

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	0.50
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	71	27-116
Decachlorobiphenyl	58	15-110

Polychlorinated Biphenyls (PCBs)

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Matrix:	Water	Batch#:	55212
Units:	ug/L	Prepared:	04/18/00
Diln Fac:	1.000	Analyzed:	04/20/00

Type: BS Lab ID: QC113236

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	5.000	3.874	77	46-111

Surrogate	%REC	Limits
TCMX	70	27-116
Decachlorobiphenyl	38	15-110

Type: BSD Lab ID: QC113237

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	5.000	4.471	89	46-111	14	26

Surrogate	%REC	Limits
TCMX	73	27-116
Decachlorobiphenyl	39	15-110

Lead

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	55275
Field ID:	TANK-2	Sampled:	04/18/00
Matrix:	Water	Received:	04/18/00
Units:	ug/L	Prepared:	04/20/00
Diln Fac:	1.000	Analyzed:	04/21/00

Type	Lab ID	Result	RL
SAMPLE	145107-001	110	3.0
BLANK	QC113484	ND	3.0

Lead

Lab #:	145107	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	55275
Field ID:	ZZZZZZZZZZ	Sampled:	04/11/00
MSS Lab ID:	145059-003	Received:	04/13/00
Matrix:	Water	Prepared:	04/20/00
Units:	ug/L	Analyzed:	04/21/00
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC113485		100.0	92.20		92	78-120		
BSD	QC113486		100.0	98.10		98	78-120	6	20
SDUP	QC113487	157.0		157.0	3.0			0	29
SSPIKE	QC113488	157.0	100.0	253.0		96	66-128		

RL = Reporting Limit

RPD= Relative Percent Difference

Page 1 of 1



Curtis & Tompkins, Ltd.



Curtis & Tompkins, Ltd., Analytical Laboratories. Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

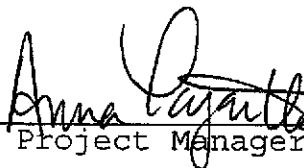
Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 02-MAY-00
Lab Job Number: 145159
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:


Project Manager

Reviewed by:


Operations Manager

This package may be reproduced only in its entirety.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 145159

Analyses

Sampler: Naser Pakrou

Report To: Naser Pakrou

Company: Soma Env. Eng

Telephone: 925 2446600

Fax: 925 2446601

Project No: 2178


Project Name: CBS - on-site

Project P.O.:

Turnaround Time: 3 days

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	None	
	Tank-3	4/20/00 3:40			✓	4	✓		✓			✓ PCBs ✓ Lead ✓ TPH ₉ - BTEX
	Tank-4	4/20/00 3:20			✓	4	✓		✓			
Factory Use Laboratory												

Notes:
 Received Ambient - directly from field.
 R 5/2/00

RELINQUISHED BY:	RECEIVED BY:
 4/20/00 4:50 DATE/TIME	Carl Wudman 4/20/00 4:50 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Signature

Curtis & Tompkins Laboratories Analytical Report

Lab #: 145159	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030
Project#: 2178	
Basis: wet	Sampled: 04/20/00
Diln Fac: 1.000	Received: 04/20/00
Batch#: 55305	

Field ID: TANK-3	Matrix: Miscell.
Type: SAMPLE	Analyzed: 04/23/00
Lab ID: 145159-001	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.93	mg/Kg	EPA 8015M
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.7	ug/Kg	EPA 8021B
o-Xylene	ND	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.7	ug/Kg	EPA 8021B

Surrogate	SRRC	Limits	Analysis
Trifluorotoluene (FID)	109	62-138	EPA 8015M
Bromofluorobenzene (FID)	107	46-150	EPA 8015M
Trifluorotoluene (PID)	108	65-134	EPA 8021B
Bromofluorobenzene (PID)	105	55-138	EPA 8021B

Field ID: TANK-4	Matrix: Miscell.
Type: SAMPLE	Analyzed: 04/23/00
Lab ID: 145159-002	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015M
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B

Surrogate	SRRC	Limits	Analysis
Trifluorotoluene (FID)	107	62-138	EPA 8015M
Bromofluorobenzene (FID)	108	46-150	EPA 8015M
Trifluorotoluene (PID)	107	65-134	EPA 8021B
Bromofluorobenzene (PID)	106	55-138	EPA 8021B

Type: BLANK	Matrix: Soil
Lab ID: QC113610	Analyzed: 04/22/00

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015M
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B

Surrogate	SRRC	Limits	Analysis
Trifluorotoluene (FID)	106	62-138	EPA 8015M
Bromofluorobenzene (FID)	103	46-150	EPA 8015M
Trifluorotoluene (PID)	107	65-134	EPA 8021B
Bromofluorobenzene (PID)	105	55-138	EPA 8021B

Gasoline by GC/FID CA LUFT

Lab #:	145159	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Type:	LCS	Basis:	wet
Lab ID:	QC113611	Diln Fac:	1.000
Matrix:	Soil	Batch#:	55305
Units:	mg/Kg	Analyzed:	04/22/00

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.29	103	75-123

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	62-138
Bromofluorobenzene (FID)	131	46-150

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145159	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Type:	LCS	Basis:	wet
Lab ID:	QC113612	Diln Fac:	1.000
Matrix:	Soil	Batch#:	55305
Units:	ug/Kg	Analyzed:	04/22/00

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	93.54	94	68-117
Toluene	100.0	98.66	99	70-120
Ethylbenzene	100.0	101.2	101	67-124
m,p-Xylenes	200.0	214.0	107	72-124
o-Xylene	100.0	100.6	101	72-123

Surrogate	%REC	Limits
Trifluorotoluene (PID)	110	65-134
Bromofluorobenzene (PID)	109	55-138

Gasoline by GC/FID CA LUFT

Lab #:	145159	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	145141-006	Batch#:	55305
Matrix:	Soil	Sampled:	04/19/00
Units:	mg/Kg	Received:	04/19/00
Basis:	wet	Analyzed:	04/22/00

Type: MS Lab ID: QC113613

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1696	9.709	8.816	89	41-132

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	62-138
Bromofluorobenzene (FID)	132	46-150

Type: MSD Lab ID: QC113614

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.709	8.571	87	41-132	3	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	62-138
Bromofluorobenzene (FID)	135	46-150

Polychlorinated Biphenyls (PCBs)

Lab #:	145159	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Matrix:	Water	Batch#:	55328
Units:	ug/L	Prepared:	04/24/00
Diln Fac:	1.000	Analyzed:	04/25/00

Type: BS Lab ID: QC113705

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	5.000	4.326	87	46-111

Surrogate	%REC	Limits
TCMX	73	27-116
Decachlorobiphenyl	45	15-110

Type: BSD Lab ID: QC113706

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	5.000	3.966	79	46-111	9	26

Surrogate	%REC	Limits
TCMX	65	27-116
Decachlorobiphenyl	49	15-110

Lead

Lab #: 145159	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3010
Project#: 2178	Analysis: EPA 6010B
Analyte: Lead	Batch#: 55340
Matrix: Miscell.	Sampled: 04/20/00
Units: mg/Kg	Received: 04/20/00
Basis: wet	Prepared: 04/24/00
Diln Fac: 1.000	Analyzed: 04/25/00

Field ID	Type	Lab ID	Result	RL
TANK-3	SAMPLE	145159-001	0.011	0.0030
TANK-4	SAMPLE	145159-002	0.0072	0.0030
	BLANK	QC113729	ND	0.0030

Lead

Lab #:	145159	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	TANK-3	Batch#:	55340
MSS Lab ID:	145159-001	Sampled:	04/20/00
Matrix:	Miscell.	Received:	04/20/00
Units:	mg/Kg	Prepared:	04/24/00
Basis:	wet	Analyzed:	04/25/00

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC113730		0.1000	0.09570		96	70-110		
BSD	QC113731		0.1000	0.09770		98	70-110	2	20
SDUP	QC113732	0.01130		0.009490	0.0030			17	40
SSPIKE	QC113733	0.01130	0.1000	0.1010		90	31-133		



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 02-MAY-00
Lab Job Number: 145170
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:


Project Manager

Reviewed by:


Operations Manager

This package may be reproduced only in its entirety.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T LOGIN # 145170

Analyses

Project No: 2178
 Project Name: CBS
 Project P.O.:
 Turnaround Time: 3 day

Sampler: Patrick Sullivan
 Report To: Nasar Pakrou
 Company: SOMA
 Telephone: (925) 244-6600
 Fax: (925) 244-6601

TPH	X																			
Lead	X																			
PCB	X																			
BTEX	X																			
ERAS	X																			

Laboratory Number	Sample ID	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
Factory Use Laboratory	Water tank 5	4.21 3:30p		X		2	X				SAMPLES FROM WATER TANK #5
	Water tank 5	4.21 3:30p		X		1		X	X		
	Water tank 5	4.21 3:30p		X		1		X			

Notes:
 Rec'd Over Counter, directly from field Rq/ulao
 Signature

RELINQUISHED BY:		RECEIVED BY:	
<i>Patrick Sullivan</i>	4/21/00 4:30pm	<i>Anna Pajonk</i>	4/21/00 4:30
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME

Gasoline by GC/FID CA LUFT

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Field ID:	WATER TANK 5	Batch#:	55302
Matrix:	Water	Sampled:	04/21/00
Units:	ug/L	Received:	04/21/00
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 04/23/00
 Lab ID: 145170-001

Analyte	Result	RL
Gasoline C7-C12	170 Y Z	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	109	59-135
Bromofluorobenzene (FID)	116	60-140

Type: BLANK Analyzed: 04/22/00
 Lab ID: QC113598

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	59-135
Bromofluorobenzene (FID)	103	60-140

Y = Sample exhibits fuel pattern which does not resemble standard
 Z = Sample exhibits unknown single peak or peaks
 ND = Not Detected
 RL = Reporting Limit

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Field ID:	WATER TANK 5	Batch#:	55302
Matrix:	Water	Sampled:	04/21/00
Units:	ug/L	Received:	04/21/00
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 04/23/00
 Lab ID: 145170-001

Analyte	Result	RL
Benzene	ND	0.50
Toluene	16	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	1.3	0.50
o-Xylene	0.61	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	106	56-142
Bromofluorobenzene (PID)	108	55-149

Type: BLANK Analyzed: 04/22/00
 Lab ID: QC113598

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	56-142
Bromofluorobenzene (PID)	91	55-149

GC07 TVH 'A' Data File RTX 502

Sample Name : 145170-001,55302

Sample #: d1

Page 1 of 1

FileName : G:\GC07\DATA\113A022.raw

Date : 4/23/00 04:07 AM

Method : TVHBTXE

Time of Injection: 4/23/00 03:40 AM

Start Time : 0.00 min

End Time : 26.00 min

Low Point : 6.10 mV

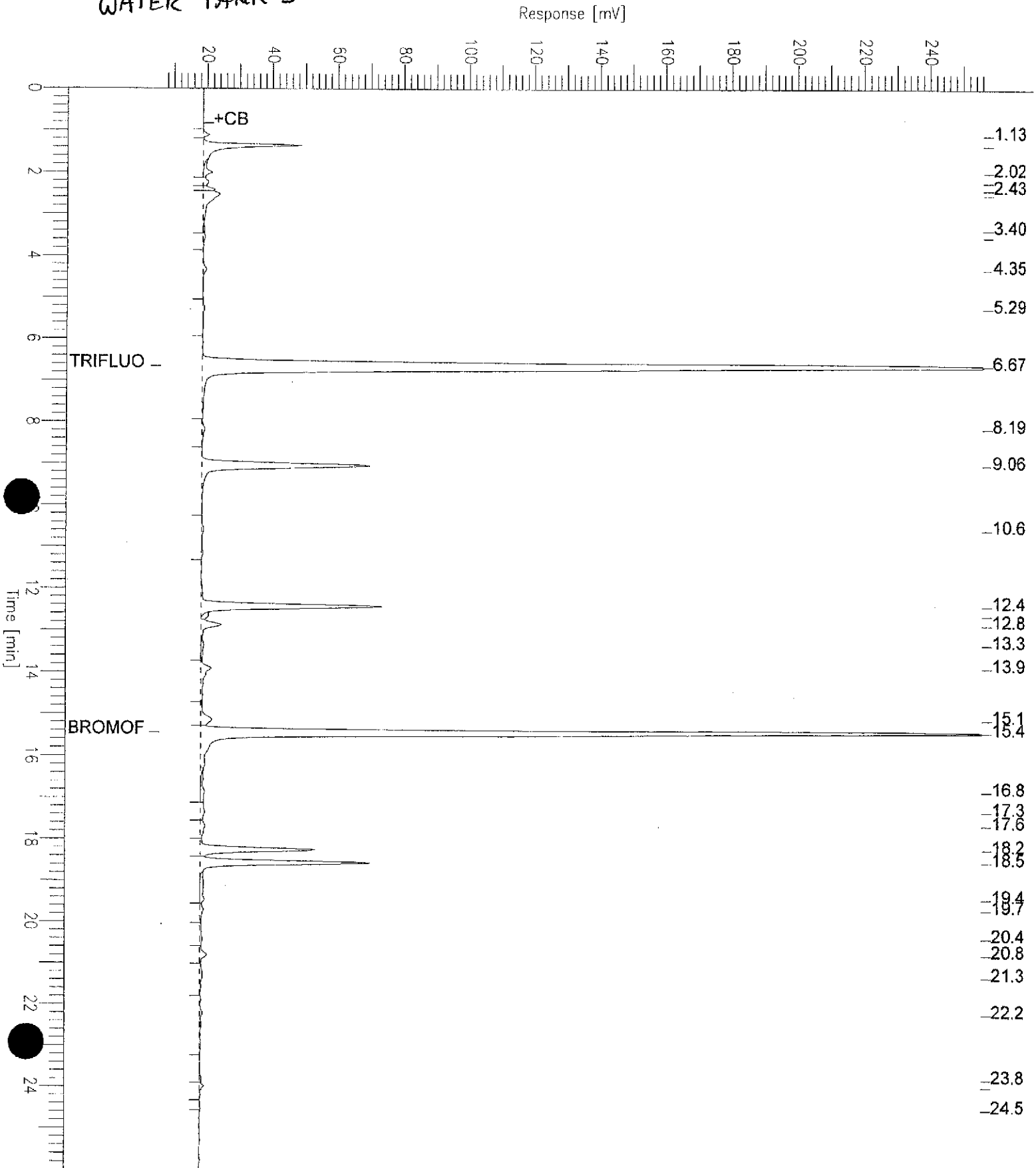
High Point : 256.10 mV

Gain Factor: -1.0

Plot Offset: 6 mV

Plot Scale: 250.0 mV

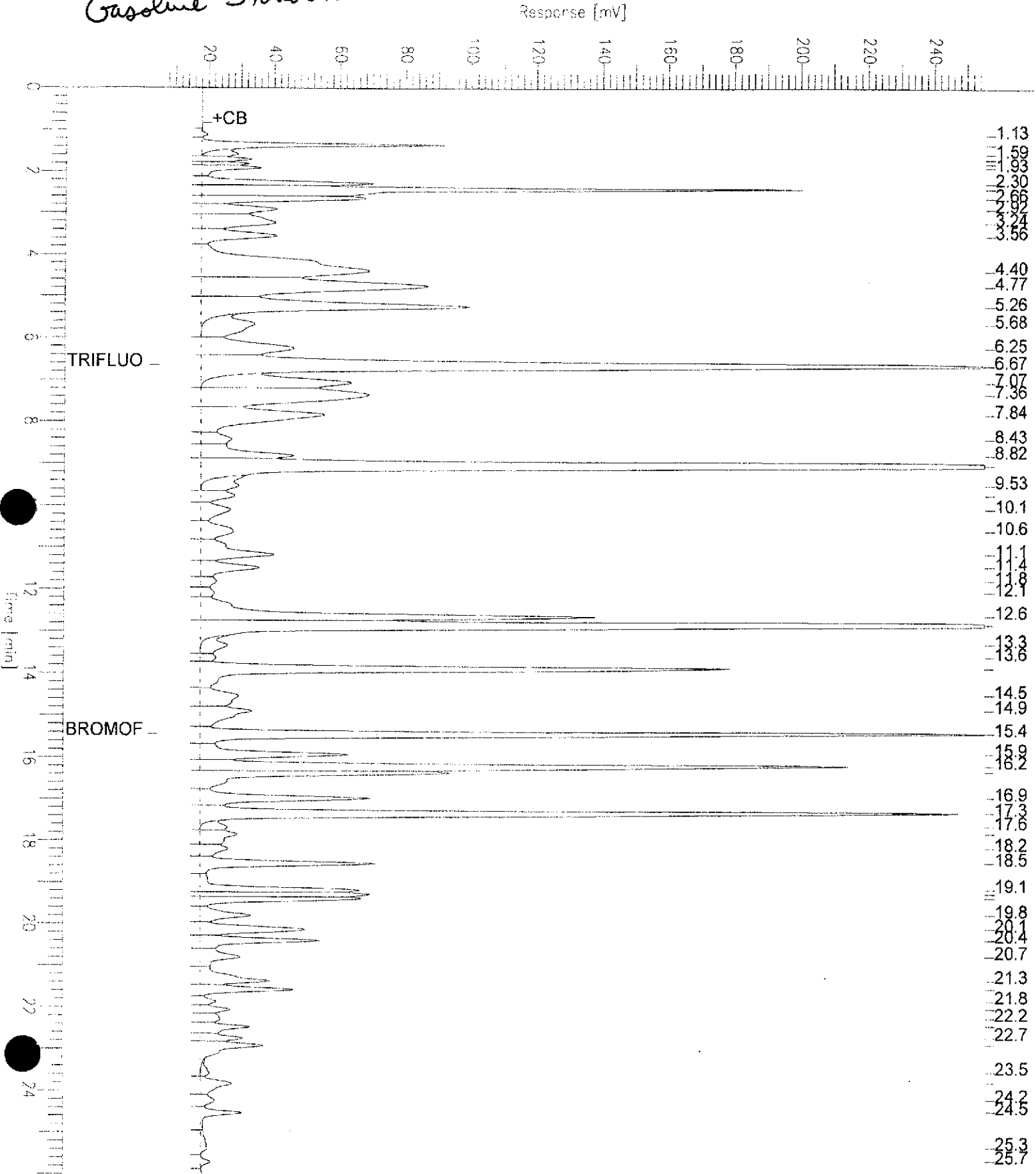
WATER TANK 5



Sample Name : ccv/lcs,qc113599,55302,00ws8880,5/5000
 FileName : G:\GC07\DATA\113A003.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 End Time : 26.00 min
 Plot Offset: 5 mV
 le Factor: -1.0

Sample #: GAS
 Date : 4/22/00 03:01 PM
 Time of Injection: 4/22/00 02:34 PM
 Low Point : 5.44 mV
 High Point : 255.44 mV
 Plot Scale: 250.0 mV

Gasoline Standard



Gasoline by GC/FID CA LUFT

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC113599	Batch#:	55302
Matrix:	Water	Analyzed:	04/22/00
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,004	100	73-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-135
Bromofluorobenzene (FID)	102	60-140

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	55302
Units:	ug/L	Analyzed:	04/22/00
Diln Fac:	1.000		

Type: BS Lab ID: QC113600

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	18.18	91	67-117
Toluene	20.00	19.85	99	69-117
Ethylbenzene	20.00	18.94	95	68-124
m,p-Xylenes	40.00	39.84	100	70-125
o-Xylene	20.00	19.38	97	65-129

Surrogate	%REC	Limits
Trifluorotoluene (PID)	96	56-142
Bromofluorobenzene (PID)	94	55-149

Type: BSD Lab ID: QC113601

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	17.66	88	67-117	3	20
Toluene	20.00	19.31	97	69-117	3	20
Ethylbenzene	20.00	18.26	91	68-124	4	20
m,p-Xylenes	40.00	38.86	97	70-125	2	20
o-Xylene	20.00	18.77	94	65-129	3	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	56-142
Bromofluorobenzene (PID)	92	55-149

Gasoline by GC/FID CA LUFT

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8015M
Field ID:	ZZZZZZZZZZ	Batch#:	55302
MSS Lab ID:	145139-003	Sampled:	04/18/00
Matrix:	Water	Received:	04/19/00
Units:	ug/L	Analyzed:	04/23/00
Diln Fac:	1.000		

Type: MS Lab ID: QC113602

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	130.3	2,000	2,135	100	65-131

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	59-135
Bromofluorobenzene (FID)	118	60-140

Type: MSD Lab ID: QC113603

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,122	100	65-131	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	59-135
Bromofluorobenzene (FID)	120	60-140

Polychlorinated Biphenyls (PCBs)

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Field ID:	WATER TANK 5	Sampled:	04/21/00
Matrix:	Water	Received:	04/21/00
Units:	ug/L	Prepared:	04/24/00
Diln Fac:	1.000	Analyzed:	04/25/00
Batch#:	55328		

Type: SAMPLE Lab ID: 145170-001

Analyte	Result	RL
Aroclor-1016	ND	0.47
Aroclor-1221	ND	0.47
Aroclor-1232	ND	0.47
Aroclor-1242	ND	0.47
Aroclor-1248	ND	0.47
Aroclor-1254	ND	0.47
Aroclor-1260	3.8	0.47

Surrogate	%REC	Limits
TCMX	66	27-116
Decachlorobiphenyl	24	15-110

Type: BLANK Lab ID: QC113704

Analyte	Result	RL
Aroclor-1016	ND	0.50
Aroclor-1221	ND	0.50
Aroclor-1232	ND	0.50
Aroclor-1242	ND	0.50
Aroclor-1248	ND	0.50
Aroclor-1254	ND	0.50
Aroclor-1260	ND	0.50

Surrogate	%REC	Limits
TCMX	53	27-116
Decachlorobiphenyl	32	15-110

Polychlorinated Biphenyls (PCBs)

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520
Project#:	2178	Analysis:	EPA 8082
Matrix:	Water	Batch#:	55328
Units:	ug/L	Prepared:	04/24/00
Diln Fac:	1.000	Analyzed:	04/25/00

Type: BS Lab ID: QC113705

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	5.000	4.326	87	46-111

Surrogate	%REC	Limits
TCMX	73	27-116
Decachlorobiphenyl	45	15-110

Type: BSD Lab ID: QC113706

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	5.000	3.966	79	46-111	9	26

Surrogate	%REC	Limits
TCMX	65	27-116
Decachlorobiphenyl	49	15-110

Lead

Lab #: 145170	Location: CBS On Site
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3010
Project#: 2178	Analysis: EPA 6010B
Analyte: Lead	Batch#: 55301
Field ID: WATER TANK 5	Sampled: 04/21/00
Matrix: Water	Received: 04/21/00
Units: ug/L	Prepared: 04/21/00
Diln Fac: 1.000	Analyzed: 04/24/00

Type	Lab ID	Result	RL
SAMPLE	145170-001	27	3.0
BLANK	QC113593	ND	3.0

Lead

Lab #:	145170	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010
Project#:	2178	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	55301
Field ID:	ZZZZZZZZZZ	Sampled:	04/17/00
MSS Lab ID:	145069-001	Received:	04/17/00
Matrix:	Water	Prepared:	04/21/00
Units:	ug/L	Analyzed:	04/24/00
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC113594		100.0	95.60		96	78-120		
BSD	QC113595		100.0	95.80		96	78-120	0	20
SDUP	QC113596	<3.000		<3.000	3.0			NC	29
SSPIKE	QC113597	1.720	100.0	101.0		99	66-128		

NC = Not Calculated
 RL = Reporting Limit
 RPD= Relative Percent Difference
 Page 1 of 1



Soma

2680 Bishop Dr., Ste 203
San Ramon, CA 94583

Client Project ID:
Proj 2178
CBS-On- Site

Ref.: R4947400
Method: 5030 GCFID/
8020
Sampled: 5/10/00
Received: 5/10/00
Matrix: Water
Analyzed: 5/10/00
Reported: 5/11/00
Units: ug/L

Attention : Dr. M. Sepehr

24h

Laboratory Results for BTEX & TPH-G Analysis

Analyte	EPA Method	Detection Limit ug/L	Results
			Sample ID
			Tank-3
BTEX			
Benzene	8020	5.0	ND
Toluene	8020	5.0	8.8
Ethylbenzene	8020	5.0	ND
Total-Xylene	8020	5.0	6.9
TPH-g	5030/GCFID	50	60

ND: Not Detected (<MDL)

Delta Environmental Laboratories



Hossein Khosh Khoo, Ph.D.

Quality Control Report

SOMA

2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2178
CBS-On- Site

Ref.: Q 4947400
Method 5030 GCFID/
8020
Sampled: 5/10/00
Received: 5/10/00
Matrix: Water
Analyzed: 5/10/00
Analyst DS
Reported: 5/11/00
Units: ug/L

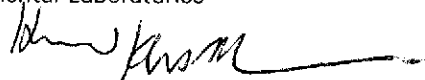
Sample Spiked: Blank

Attention: Dr. M Sepehr

Quality Control Report for TPH &BTEX

Analyte	Detection ug/L	Sample ug/L	Spike ug/L	% Recovery	% Recovery	Relative % RPD	
Benzene	5.0	ND	20	104	102	1.9	8020
Toulene	5.0	ND	20	106	106	0.0	8020
Ethylbenzene	5.0	ND	20	101	102	1.0	8020
T-Xylene	5.0	ND	40	110	107	2.8	8020
TPH-Gas,GC/FID	50	ND	400	105	105	0.0	5030

Delta Environmental Laboratories



H. Khosh Khoo, PhD.,
Laboratory Director/President

Delta Environmental Laboratories



1/1

Chain of Custody (COC) Form

685 Stone Road #11 & 12
Benicia, Ca, 94510
(707) 747-6081, 800-7476082 FAX (707) 747-8082

Results to: Mansour Zefehri

Client Name: SOMA Env. Eng.

Address: 2680 Bishop Dr. Suite 203

City: San Ramon

Telephone: 925 244 6600 Fax: 925 244 6601

SAMPLER (signature): [Signature] Naser Rahimi

Turnaround Time: 24 hr

Project Name

Proj 2178
CBS-on-site

Analysis Requested

No. of containers	pH	Temperature	TP	Heq	BT	EX	Pb	Cd	Cu	Zn	Mn	Fe	Ni	Cr	Hg	As	Se	Co	Mg	Ca	K	Na	

LAB ID

Ref #

4947

Special Instructions:

#	Sample ID	Date	Time	Matrix	No. of containers	pH	Temperature	TP	Heq	BT	EX	Pb	Cd	Cu	Zn	Mn	Fe	Ni	Cr	Hg	As	Se	Co	Mg	Ca	K	Na	Comments
1	Tank-3	5/10	7:30	Water				✓	✓	✓	✓																	

Relinquished by: [Signature] Date: 5/10 9:35

Received By: [Signature] Date: 5/10/00

Relinquished by: _____ Date: _____

Received By: _____ Date: _____

- 1) Have all samples received been stored on ice? _____
- 2) Did any VOA samples received have any head space? _____
- 3) Were samples in appropriate containers and packaged properly? _____
- 4) Were samples received in good condition? _____

For Lab Use Only:

2178-3



WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

ENVIRONMENTAL LABORATORIES, Ltd

Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:
2178
On-site CBS
Emeryville, CA

Ref. R4947300
Method: EPA 200.7
Sampled: 5/10/00
Received: 5/10/00
Matrix: Water
Analyzed: 5/10/00
Reported: 5/10/00
Unit: mg/L

Attention: Dr. Sepehr

24 hours

Analytical Results for TTLC Tests

Analyte	Detection Limit (mg/L)	Results
		Sample ID
		Tank-3
Lead	0.02	ND

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President

Delta#1/general/RTMP_17_300W

CAM17W

Client:
Soma Environmental Eng. Inc
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Quality Control Report
2178
On-site CBS
Emeryville, CA

Ref. Q4947300
Method: EPA 200.7
Matrix: Water
Analyzed: 5/10/00
Reported: 5/10/00
Unit mg/L

Attention: Dr. Sepehr

Analytical Results for TTLC Tests

Sample ID : Blank Spiked sample

Analyte	Inst. Method	Spike Added mg/L	Detection Limit mg/L	MS percent Recovery	MSD percent Recovery	Relative Percent Difference
Lead	200.7	1.0	0.02	106	102	3.8

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President



Delta#1/general/QTHM_17_300w

QTTL17

Soma Environmental Eng., Inc.
 2680 Bishop Dr., Suite 203
 San Ramon, CA 94583

Client Project ID:
 Proj 2178
 CBS-On- Site

Ref.: R4947pcbWpcbW
 Method: 8080
 Sampled: 5/10/00
 Received: 5/10/00
 Matrix: Water
 Analyzed: 5/10-11/00
 Reported: 5/11/00
 Units: ug/L

Attention: Dr. Sepehr

Analytical Results for PCBs

Analyte	Detection Limit ug/L	Results	
		Sample ID	
		Tank-3	
PCBs			
PCB 1016	0.50		ND
PCB 1221	0.50		ND
PCB 1232	0.50		ND
PCB 1242	0.50		ND
PCB 1248	0.50		ND
PCB 1254	0.50		ND
PCB 1260	0.50		5.8

ND: Not Detected (<MDL)



Delta Environmental Laboratories
 Hossein Khosh Khoo, Ph.D.

Rtmp800_pcbW

Quality Control Report

Soma Environmental Eng., Inc.
2680 Bishop Dr., Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2178
CBS-On- Site

Ref.: Q4947pcbW
Method: 8080
Sampled: 5/10/00
Received: 5/10/00
Matrix: Water
Analyzed: 5/10-11/00
Analyst: DS
Reported: 5/11/00
Units: ug/L

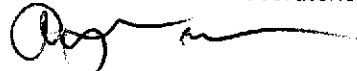
Attention: Dr. Sepehr

Sample Spiked: Blank

Quality Control Report for PCB's
EPA 8080/8082

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
PCB 1260	0.5	ND	40	80	80	0.0	8080

Delta Environmental Laboratories



H. Khosh Khoo, PhD.,
Laboratory Director/President

Qtmp800_PCBw

Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	145058	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030
Project#:	2178	Analysis:	EPA 8021B
Field ID:	TANK-2	Batch#:	55233
MSS Lab ID:	145107-001	Sampled:	04/18/00
Matrix:	Water	Received:	04/18/00
Units:	ug/L	Analyzed:	04/19/00
Diln Fac:	1.000		

Type: MS Lab ID: QC113314

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	ND	20.00	18.94	95	65-123
Toluene	ND	20.00	21.56	108	73-122
Ethylbenzene	7.423	20.00	25.64	91	59-137
m,p-Xylenes	0.6320	40.00	40.68	100	68-132
o-Xylene	15.90	20.00	35.44	98	61-140

Surrogate	%REC	Limits
Trifluorotoluene (PID)	110	56-142
Bromofluorobenzene (PID)	113	55-149

Type: MSD Lab ID: QC113315

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.20	96	65-123	1	20
Toluene	20.00	21.99	110	73-122	2	20
Ethylbenzene	20.00	26.39	95	59-137	3	20
m,p-Xylenes	40.00	41.31	102	68-132	2	20
o-Xylene	20.00	35.97	100	61-140	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	110	56-142
Bromofluorobenzene (PID)	113	55-149

ND = Not Detected

RPD= Relative Percent Difference



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

SOMA Environmental Engineering Inc.
2680 Bishop Dr.
Suite 203
San Ramon, CA 94583

Date: 11-MAY-00
Lab Job Number: 145258
Project ID: 2178
Location: CBS On Site

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:


Project Manager

Reviewed by:


Operations Manager

This package may be reproduced only in its entirety.

Laboratory Number: 145258

Receipt Date: 04/26/00

Client: SOMA Environmental Engineering Inc.

Location: CBS On Site

Project#: 2178

PCB CASE NARRATIVE

This hardcopy data package contains sample and QC results for three composite samples that were received on April 26, 2000.

A three-point composite was requested on the Chain of Custody for sample F11 (CT#145258-002). Only two containers were provided.

All samples were analyzed at dilutions causing the surrogates to be diluted out. No other analytical problems were encountered.

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

Analyses

C&T LOGIN # 145259

Project No: 2178
 Project Name: eBS-on-site
 Project P.O.: 4 days
 Turnaround Time: 4 days Rush

Sampler: Naser Pakrou
 Report To: Naser Pakrou
 Company: SOM/Env. Eng.
 Telephone: 925 244 6600
 Fax: 925 244 6601

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO	HNO ₃	ICE	
Factory Use	E14	4/26 3:30	✓			1					Composite E14
	E14		✓			1					
	F11	" "	✓			1					Composite F11
F11	" "	✓			1						
Laboratory Use	E14-sheet	4:30	✓			1					

PCBS

Notes:
HOT
50ppm PCBs

RELINQUISHED BY:	RECEIVED BY:
<u>[Signature]</u>	<u>Anna [Signature]</u>
<u>4/26 4:55</u> DATE/TIME	<u>4/26/00 4:55</u> DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Signature

Polychlorinated Biphenyls (PCBs)

Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	04/26/00
Units:	ug/Kg	Received:	04/26/00
Basis:	wet	Prepared:	04/28/00
Batch#:	55457		

Field ID: E14 Lab ID: 145258-001
 Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	370	120	10.00	05/01/00
Aroclor-1221	ND	120	10.00	05/01/00
Aroclor-1232	ND	120	10.00	05/01/00
Aroclor-1242	ND	120	10.00	05/01/00
Aroclor-1248	ND	120	10.00	05/01/00
Aroclor-1254	ND	120	10.00	05/01/00
Aroclor-1260	230,000	12,000	1,000	05/02/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

Field ID: F11 Lab ID: 145258-002
 Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	340	120	10.00	05/01/00
Aroclor-1221	ND	120	10.00	05/01/00
Aroclor-1232	ND	120	10.00	05/01/00
Aroclor-1242	ND	120	10.00	05/01/00
Aroclor-1248	ND	120	10.00	05/01/00
Aroclor-1254	ND	120	10.00	05/01/00
Aroclor-1260	600,000	24,000	2,000	05/02/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

Polychlorinated Biphenyls (PCBs)

Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	04/26/00
Units:	ug/Kg	Received:	04/26/00
Basis:	wet	Prepared:	04/28/00
Batch#:	55457		

Field ID: E14-5'-SHEET Lab ID: 145258-003
 Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analyzed
Aroclor-1016	11,000	720	10.00	05/01/00
Aroclor-1221	ND	720	10.00	05/01/00
Aroclor-1232	ND	720	10.00	05/01/00
Aroclor-1242	ND	720	10.00	05/01/00
Aroclor-1248	ND	720	10.00	05/01/00
Aroclor-1254	ND	720	10.00	05/01/00
Aroclor-1260	11,000,000	360,000	5,000	05/02/00

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

Type: BLANK Diln Fac: 1.000
 Lab ID: QC114168 Analyzed: 05/03/00

Analyte	Result	RL
Aroclor-1016	<12	12
Aroclor-1221	<12	12
Aroclor-1232	<12	12
Aroclor-1242	<12	12
Aroclor-1248	<12	12
Aroclor-1254	<12	12
Aroclor-1260	<12	12

Surrogate	%REC	Limits
TCMX	92	39-150
Decachlorobiphenyl	58	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC114169	Batch#:	55457
Matrix:	Soil	Prepared:	04/28/00
Units:	ug/Kg	Analyzed:	05/03/00
Basis:	wet		

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	166.7	163.1	98	58-124

Surrogate	%REC	Limits
TCMX	99	39-150
Decachlorobiphenyl	72	33-144

Polychlorinated Biphenyls (PCBs)

Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	55457
MSS Lab ID:	145246-001	Sampled:	04/21/00
Matrix:	Soil	Received:	04/25/00
Units:	ug/Kg	Prepared:	04/28/00
Basis:	wet	Analyzed:	05/02/00
Diln Fac:	1.000		

Type: MS Lab ID: QC114170

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1260	3.471	166.7	138.8	81	26-133

Surrogate	%REC	Limits
TCMX	81	39-150
Decachlorobiphenyl	52	33-144

Type: MSD Lab ID: QC114171

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	166.7	143.4	84	26-133	3	40

Surrogate	%REC	Limits
TCMX	83	39-150
Decachlorobiphenyl	57	33-144

Appendix C

Addendum C for Site-Specific Health and Safety Plan

May 8, 2000

CERTIFICATION AND LIMITATIONS

Addendum C to the Site Health and Safety Plan (Additional Health and Safety Precautions for Excavation and Construction Activities at Emerystation II (Emerystation North) has been prepared by SOMA Environmental Engineering, Inc. (SOMA) for the exclusive use of WEBCOR Builders (WEBCOR) for their construction and excavation activities at the EMERYSTATION II (EMERYSTATION NORTH) development, located in Emeryville, California. SOMA has provided its professional services using the degree of care and skill ordinarily exercised by other scientists and engineers practicing in this field. No other warranty, express or implied, is made as to the conclusions and professional opinions and recommendations contained in this document.



William S. Bosan, Ph.D.
Principal Toxicologist



Philip A. Bumala, CIH
Industrial Hygienist

ADDENDUM C

**HEALTH AND SAFETY PLAN
FOR
THE FORMER WESTINGHOUSE ELECTRIC CORPORATION FACILITY**

**ADDITIONAL HEALTH AND SAFETY PRECAUTIONS
FOR
EXCAVATION AND CONSTRUCTION ACTIVITIES
AT EMERYSTATION II (EMERYSTATION NORTH)**

C1.0 Introduction

The Site-wide Health and Safety Plan (HSP) was prepared to address all known aspects of construction-related activities associated with the development of the former Westinghouse Electric Corporation Facility located in Emeryville, California (Emeryville Facility). In November 1999, WEBCOR Builder's construction crew discovered an abandoned cistern during pile driving activities within the parking lot at the northern portion of the Site. Addendum B to the site-wide HSP was developed to address soil sampling and construction activities for the former Cistern Site and surrounding area, located at 5815 Peladeau Street, Emeryville, California. During recent excavation activities at EmeryStation II (EmeryStation North), field test kits indicated high levels of PCBs in soil. In this same location, workers complained of an objectionable odor emanating from the excavation pit. Air sampling indicated several volatile organic compounds (VOCs) which were well below their occupational guidelines, as discussed in more detail in Section C2.3. The following addendum was developed to address the elevated levels of PCBs in soil, VOCs detected in air and the objectionable odors in the excavation pits.

C2.0 Pile Cap Excavation Site-Specific Activities

The following section describes 1) soil sampling and analysis; 2) air sampling and analysis; and 3) additional worker health and safety recommendations for excavation activities inside Pile Cap Areas E-14 and F-11.

C2.1 Soil Sampling and Analysis Results Inside Pile Cap Areas E-14 and F-11

Previous soil sampling performed in the vicinity of the former cistern revealed PCB levels in soil up to 70 mg/kg. Soil sampling conducted in recent excavation pits using field test kits indicated PCB concentrations in soil greater than 50 mg/kg, the "cut-off point" for the screening kits. Off-site laboratory analysis indicated Aroclor-1260 concentrations in soil between 230 and 600 mg/kg. Aroclor-1016 was also detected and ranged between 0.34 and 0.37 mg/kg in soil. Laboratory reports and the Chain of Custody are included in Attachment 1.

C2.2 Air Sampling and Analysis Inside Pile Cap Areas E-14 and F-11

In order to address worker's concerns over the odors detected during recent excavation activities, two air samples were collected from the excavation areas using evacuated stainless steel canisters. Additionally, one control air sample was collected upwind at the construction site fence line. Laboratory results are summarized in Table C-1 and laboratory reports are included in Attachment 2.

Table C-1
Cistern Area Air Sampling Results

CHEMICAL	EXCAVATION SAMPLE 1 MG/M3 (PPM)	EXCAVATION SAMPLE 2 MG/M3 (PPM)	CONTROL AIR SAMPLE MG/M3 (PPM)
Acetone	N.D.	N.D.	0.017 (0.007)
Benzene	0.4 (0.12)	0.42 (0.13)	0.013 (0.004)
Chlorobenzene	5.9 (1.3)	6.8 (1.4)	N.D.
Chloromethane	N.D.	N.D.	0.003 (0.001)

CHEMICAL	EXCAVATION SAMPLE 1 MG/M3 (PPM)	EXCAVATION SAMPLE 2 MG/M3 (PPM)	CONTROL AIR SAMPLE MG/M3 (PPM)
Cyclohexane	N.D.	0.34 (0.1)	N.D.
1,2-Dichlorobenzene	0.04 (0.006)	N.D.	N.D.
1,3-Dichlorobenzene	0.15 (0.02)	N.D.	N.D.
1,4-Dichlorobenzene	0.18 (0.03)	0.21 (0.03)	N.D.
Ethylbenzene	N.D.	N.D.	0.017 (0.004)
Toluene	N.D.	N.D.	0.008 (0.002)
1,2,4-Trichlorobenzene	0.43 (0.06)	N.D.	N.D.
1,2,4-Trimethylbenzene	N.D.	0.053 (0.01)	0.004 (0.001)
Xylene	N.D.	0.023 (0.005)	0.009 (0.002)

C2.3 Worker Health and Safety for the Pile Cap Area

Based on the above results, benzene, chlorobenzene, dichlorobenzenes, trichlorobenzene and cyclohexane appear to be site-related. Table C-2 compares the maximum reported VOC concentrations to their respective air guidelines.

Table C-2
Comparison of Maximum Reported Air Concentrations of Chemicals
To Their Respective Air Guidelines

CHEMICAL	MAXIMUM REPORTED AIR CONCENTRATION MG/M3 (PPM)	OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) MG/M3 (PPM)	ACGIH TLV FOR OCCUPATIONAL EXPOSURE MG/M3 (PPM)
Benzene	0.42 (0.13)	3.2 (1)	32 (10)
Chlorobenzene	6.8 (1.5)	350 (75)	46 (10)
Cyclohexane	0.34 (0.1)	1015 (300)	1030 (300)
1,3-Dichlorobenzene	0.15 (0.02)	300 (50)	300 (50)
1,4-Dichlorobenzene	0.21 (0.03)	450 (75)	450 (75)
1,2-Dichlorobenzene	0.036 (0.01)	300 (50)	300 (50)
1,2,4-Trichlorobenzene	0.43 (0.06)	NR	37 (5)

CHEMICAL	MAXIMUM REPORTED AIR CONCENTRATION MG/M3 (PPM)	OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) MG/M3 (PPM)	ACGIH TLV FOR OCCUPATIONAL EXPOSURE MG/M3 (PPM)
m,p-Xylene	0.023 (0.01)	435 (100)	435 (100)
1,2,4-Trimethylbenzene	0.053 (0.01)	NR	123 (25)

NR Not Reported

As shown in Table C-2, all reported chemicals in air collected from the excavation area are well below their respective air concentration guidelines for an 8-hour workday. Additionally, VOCs detected in near surface soils were addressed previously in the Baseline Human Health Risk Assessment for the Former Westinghouse Electric Corporation (SOMA 1996). One of the exposure scenarios evaluated in this risk assessment was a hypothetical construction worker, assumed to be exposed to site contaminants for a 3-month construction period. Based on the results of the risk assessment, the maximum reported concentrations of VOCs detected in soil would not pose a threat of adverse health effects for construction workers.

PCBs were also detected in the pile excavation area soils, with a maximum reported soil concentration of 600 mg/kg. Workers were previously informed of the potential hazards associated with exposure to site-related contaminants, especially PCBs in soil, through Addendum B and a pre-construction health and safety meeting (03/23/2000). **Air monitoring for PCBs in total suspended particulate has been routinely performed by the SSO and no PCBs have been detected in air samples to date.** If air monitoring indicates that more stringent PPE is required, all construction/excavation operations will stop until OSHA 40-hour trained workers are available to continue construction activities. This will only occur if engineering controls cannot be feasibly or adequately implemented to the levels presented in Table 1 of the Site Health and Safety Plan and summarized below in Table C-3. Additional recommendations will be made onsite, as necessary by the SSO.

Table C-3

Recommended Air Concentrations of Soil Contaminants

SOIL CONTAMINANT OF CONCERN	OSHA PERMISSIBLE EXPOSURE LIMIT (TWA) (mg/m ³)	ACGIH TLV FOR OCCUPATIONAL EXPOSURE (mg/m ³)	NIOSH RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT (mg/m ³)
PCB's	0.5		0.001

Based on 1) the high levels of PCBs in soil (600 mg/kg), detected VOCs in the excavation pit and 3) noticeable odors emanating from the excavation pit, the following additional health and safety precautions will be employed.

1. Per the Sitewide Health and Safety Plan, an **Exclusion Zone** or contaminated zone will be established around the excavation where the high levels of PCBs were detected in soil and the objectionable odor was detected. The exclusion zone is based on the amount of area required to perform the intended work safely. This includes all loading operations, open excavations, contaminated soil stockpiles, swing radii for equipment, remediation operations, cleaning operations and loading operations of bulk soils. Within the exclusion zone, Level-D or higher PPE must be worn by all workers and visitors. The appropriate level of protection for each phase of construction will be established by the SSO. The zones will be set at the beginning of the day and changed as required by activities. The exclusion zone will be marked with warning tape and signs.
2. Clean air will be pumped into the excavation pit prior to entry of construction workers. Air will be continuously pumped into the excavation pit during all work activities. Air samples will be periodically collected from the excavation pit in order to ensure that VOCs and odors are minimized.

3. Until the cessation of work, all workers were in Level-D protection. As defined in the Sitewide Health and Safety Plan, Level-D Protection is:

Level-D Protection

- Steel-toed/shanked boots
- Uncoated Tyvek coveralls or work overalls
- Nitrile/Neoprene gloves with latex undergloves (if necessary)
- Hard hats
- Safety glasses/goggles (as necessary)
- Ear plugs

Because of the objectionable odor experienced by workers on-site, worker protection within the Exclusion Zone will be upgraded to Level-C, defined as follows:

Level-C Protection

- Air-purifying respirator (e.g., half-face) with appropriate cartridges/filters
- Steel-toed/shanked boots with latex overboots or steel-toed rubber boots
- Tyvek coveralls taped over boots (disposable light chemical clothing)
- Neoprene gloves (taped at wrist) with latex undergloves
- Hard hats
- Safety glasses/goggles
- Ear plugs

3. The contamination reduction zone (CRZ) will be established between the Exclusion Zone and uncontaminated areas. The zone boundaries will be established by the SSO based on air monitoring results. Personnel and equipment decontamination will occur within the CRZ. This zone will prevent or minimize the transfer of potentially hazardous materials from

the exclusion zone. The CRZ will be delineated with warning tape and signs.

4. Decontamination and removal of any contaminated PPE will take place at the perimeter of the exclusion zone. The contaminated items and rinsate will be contained in lined drums for proper disposal. All personnel should shower as soon as possible after leaving the site. On-site cleaning equipment will include washbasins, plastic drop cloths, high-phosphate detergent, rinse water, scrub brushes, benches or stools, and towels.

SOMA industrial hygienist Philip Bumala, CIH, will act as the Site Safety Officer (SSO) and will conduct air monitoring during excavation activities. The SSO will conduct a pre-construction health and safety meeting prior to commencing excavation operations, and will work with on-site staff to implement exposure prevention measures.

C3.0 Site Safety Authority

See Section 3.0 of the Site Health and Safety Plan.

C4.0 Job Hazard Analysis

See Section 4.0 of the Site Health and Safety Plan.

C5.0 Hazard Prevention Procedures

See Section 5.0 of the Site Health and Safety Plan.

C6.0 Personal Protective Equipment

For construction/excavation activities associated with the former Cistern Site and surrounding area, PPE will be upgraded to Level-C protection due to the presence of VOCs and their associated nuisance odors.

Level-C Protection

- Air-purifying respirator (e.g., half-face) with appropriate cartridges/filters
- Steel-toed/shanked boots with latex overboots or steel-toed rubber boots
- Tyvek coveralls taped over boots (disposable light chemical clothing)
- Neoprene gloves (taped at wrist) with latex undergloves or leather gloves with latex undergloves
- Hard hats
- Safety glasses/goggles
- Ear plugs

Based on soil and air monitoring results, PPE may be down graded to Level-D as construction work progresses.

C7.0 Work Zones and Site Security

The site work zones are security measures intended to prevent the transfer of contaminants off-site by workers, visitors and equipment used in project operations. These measures are also designed to prevent unprotected workers, visitors and the general public from entering contaminated areas. All movement into and out of the work zones will be monitored and controlled by the SSO and project manager.

C7.1 Exclusion Zone (Contaminated Zone)

Per the Sitewide Health and Safety Plan, an **Exclusion Zone** or contaminated zone will be established around the excavation where the high levels of PCBs were detected in soil and the objectionable odor was detected. The exclusion zone is based on the amount of area required to perform the intended work safely. This includes all loading operations, open excavations, contaminated soil stockpiles, swing radii for equipment, remediation operations, cleaning operations and loading operations of bulk soils. Within the exclusion zone, Level-D or higher PPE must be worn by all workers and visitors. The appropriate

level of protection for each phase of construction will be established by the SSO. The zones will be set at the beginning of the day and changed as required by activities. The exclusion zone will be marked with warning tape and signs.

C7.2 Contamination Reduction Zone

The contamination reduction zone (CRZ) will be established between the Exclusion Zone and uncontaminated areas. The zone boundaries will be established by the SSO based on air monitoring results. Personnel and equipment decontamination will occur within the CRZ. This zone will prevent or minimize the transfer of potentially hazardous materials from the exclusion zone. The CRZ will be delineated with warning tape and signs.

C7.3 Support Zone

The support zone consists of all uncontaminated and inactive areas of the site where PPE is not required. This zone will be used for staging and storage. The size of the support zone will be established by the SSO.

C7.4 Security Measures

Traffic control measures (e.g., signs, barricades, flagmen etc.) required for public protection will be employed as appropriate. Entry into the work site will be controlled as required, and all site access will be monitored by the SSO.

The only persons authorized to enter the exclusion zone are:

- Representatives of SOMA Environmental Engineering, Inc.
- Authorized WEBCOR representatives and subcontractors
- Authorized visitors

Visitors to the work site, including any inspectors from regulatory agencies, are required to abide by the health and safety requirements set forth in this HSP. On-site personnel and subcontractors shall require visitors to have the proper

training and PPE prior to any activities necessitating entry into the exclusion zone.

No one is permitted in the exclusion zone or contamination reduction zone without clearance from the SSO. Clearance may be revoked at any time by the SSO.

C8.0 Decontamination Procedures

Decontamination procedures are established to prevent transfer of potentially contaminated materials across the CRZ into the uncontaminated or "clean" zones.

C8.1 Equipment Decontamination

Tools, equipment and safety boots should be scrubbed with long-handled brushes and high-phosphate detergent (e.g., Alconox or TSP). Boots should be rinsed off with water, repeating the rinsing as often as necessary. The rinsate will be disposed of along with the contaminated material.

C8.2 Personnel Decontamination

Decontamination and removal of any contaminated PPE will take place at the perimeter of the exclusion zone. The contaminated items and rinsate will be contained in lined drums for proper disposal. All personnel should shower as soon as possible after leaving the site. On-site cleaning equipment will include washbasins, plastic drop cloths, high-phosphate detergent, rinse water, scrub brushes, benches or stools, and towels.

C9.0 Training Requirements

See Section 9.0 of the Site Health and Safety Plan.

C10.0 Emergency Response and Contingency Plan

See Section 10.0 of the Site Health and Safety Plan.

ATTACHMENT 1

LABORATORY REPORTS FOR SOIL SAMPLES

May-02-00 02:34pm From-CURTIS & TOMPKINS

5104860592

T-745 P.03/04 F-645



Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)			
Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	04/26/00
Units:	ug/Kg	Received:	04/26/00
Basis:	wet	Prepared:	04/28/00
Batch#:	55457		

Field ID: E14 Lab ID: 145258-001
Type: SAMPLE

Analyte	Result	RL	Dil. Fac.	Analysed
Aroclor-1016	370	120	10.00	05/01/00
Aroclor-1221	ND	120	10.00	05/01/00
Aroclor-1232	ND	120	10.00	05/01/00
Aroclor-1242	ND	120	10.00	05/01/00
Aroclor-1248	ND	120	10.00	05/01/00
Aroclor-1254	ND	120	10.00	05/01/00
Aroclor-1260	230,000	12,000	1,000	05/02/00

Surrogate	RL	Limit	Dil. Fac.	Analysed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

Field ID: F11 Lab ID: 145258-002
Type: SAMPLE

Analyte	Result	RL	Dil. Fac.	Analysed
Aroclor-1016	340	120	10.00	05/01/00
Aroclor-1221	ND	120	10.00	05/01/00
Aroclor-1232	ND	120	10.00	05/01/00
Aroclor-1242	ND	120	10.00	05/01/00
Aroclor-1248	ND	120	10.00	05/01/00
Aroclor-1254	ND	120	10.00	05/01/00
Aroclor-1260	600,000	24,000	2,000	05/02/00

Surrogate	RL	Limit	Dil. Fac.	Analysed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

DO = Diluted Out
ND = Not Detected
RL = Reporting Limit
NA = Not Analyzed
Page 1 of 2

May-02-00 02:35pm From-CURTIS & TOMPKINS

6104860532

T-745 P.04/04 F-545



Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	145258	Location:	CBS On Site
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3550
Project#:	2178	Analysis:	EPA 8082
Matrix:	Soil	Sampled:	04/26/00
Units:	ug/Kg	Received:	04/26/00
Basis:	wet	Prepared:	04/28/00
Batch#:	55457		

Field ID: E14-51-SHEET Lab ID: 145258-003
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Analysed
Aroclor-1016	11.000	720	10.00	05/01/00
Aroclor-1221	ND	720	10.00	05/01/00
Aroclor-1232	ND	720	10.00	05/01/00
Aroclor-1242	ND	720	10.00	05/01/00
Aroclor-1248	ND	720	10.00	05/01/00
Aroclor-1254	ND	720	10.00	05/01/00
Aroclor-1260	11.000,000	360,000	5,000	05/02/00

S surrogate	USEC	Limite	Diln Fac	Analysed
TCMX	DO	39-150	10.00	05/01/00
Decachlorobiphenyl	DO	33-144	10.00	05/01/00

Type: BLANK Lab ID: QC114168

Analyte	Result
Aroclor-1016	NA
Aroclor-1221	NA
Aroclor-1232	NA
Aroclor-1242	NA
Aroclor-1248	NA
Aroclor-1254	NA
Aroclor-1260	NA

S surrogate	Result
TCMX	NA
Decachlorobiphenyl	NA

DO = Diluted Out
ND = Not Detected
RL = Reporting Limit
NA = Not Analyzed
Page 2 of 2

CHAIN OF CUSTODY FORM

Page 1 of 1

Curtis & Tompkins, Ltd.
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)488-0532 Fax

C&T
 LOGIN# 115259

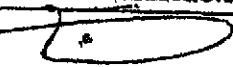
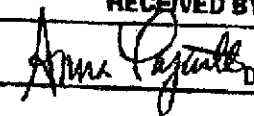
Analyses

Project No: 2178
 Project Name: CBs - on-site
 Project P.O.: 4 days
 Turnaround Time: Today's Rush

Sampler: Naser Pakrou
 Report To: Naser Pakrou
 Company: 80M/Env. Eng.
 Telephone: 925 244 6600
 Fax: 925 244 6601

Laboratory Number	Sample ID	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H2SO	HNO3	ICE	
1	E14	4/26 3:30				1					Composite EM
	E14					1					
2	E11	" "				2 only					Composite F11
	E11	" "									
	E11	" "									
3	E451	4/26				1					

Notes:
 HOT
 SOPPM
 PCBs

RELINQUISHED BY:	RECEIVED BY:
	
4/26 4:55 DATE/TIME	4/26/00 4:55 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Signature

ATTACHMENT 2

LABORATORY REPORTS FOR AIR SAMPLES

MAY. -04'00 (THU) 08:00

AIRTOXICS LTD

TEL:916 985 1020

P. 003/011

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Corporation
Work Order # 0005064

Two 6L Summa Canister samples were received on May 3, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Ltd. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV Internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantification	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

The recovery of surrogate Bromofluorobenzene in sample I-10 was outside control limits due to high level hydrocarbon matrix interference. The un-subtracted raw spectra is provided to confirm the presence of hydrocarbon interference. Data is reported as qualified.

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no other out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated Peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0015064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1000316	Date of Collection:	5/3/00
Dil Factor:	10.5	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/m3)	Amount (ppbv)	Amount (ug/m3)
Freon 12	5.2	26	Not Detected	Not Detected
Freon 114	5.2	37	Not Detected	Not Detected
Chloromethane	5.2	11	Not Detected	Not Detected
Vinyl Chloride	5.2	14	Not Detected	Not Detected
Bromomethane	5.2	21	Not Detected	Not Detected
Chloroethane	5.2	14	Not Detected	Not Detected
Freon 11	5.2	30	Not Detected	Not Detected
1,1-Dichloroethane	5.2	21	Not Detected	Not Detected
Freon 113	5.2	41	Not Detected	Not Detected
Methylene Chloride	5.2	18	Not Detected	Not Detected
1,1-Dichloroethane	5.2	22	Not Detected	Not Detected
cis-1,2-Dichloroethane	5.2	21	Not Detected	Not Detected
Chloroform	5.2	26	Not Detected	Not Detected
1,1,1-Trichloromethane	5.2	29	Not Detected	Not Detected
Carbon Tetrachloride	5.2	34	Not Detected	Not Detected
Benzene	5.2	17	120	400
1,2-Dichloroethane	5.2	22	Not Detected	Not Detected
Trichloroethane	5.2	29	Not Detected	Not Detected
1,2-Dichloropropane	5.2	25	Not Detected	Not Detected
cis-1,3-Dichloropropane	5.2	24	Not Detected	Not Detected
Toluene	5.2	20	Not Detected	Not Detected
trans-1,3-Dichloropropane	5.2	24	Not Detected	Not Detected
1,1,2-Trichloroethane	5.2	29	Not Detected	Not Detected
Tetrachloroethane	5.2	36	Not Detected	Not Detected
Ethylene Dibromide	5.2	41	Not Detected	Not Detected
Chlorobenzene	5.2	24	1300	5000
Ethyl Benzene	5.2	23	Not Detected	Not Detected
m,p-Xylene	5.2	23	Not Detected	Not Detected
o-Xylene	5.2	23	Not Detected	Not Detected
Styrene	5.2	23	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	5.2	37	Not Detected	Not Detected
1,3,5-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,2,4-Trimethylbenzene	5.2	26	Not Detected	Not Detected
1,3-Dichlorobenzene	5.2	32	24	150
1,4-Dichlorobenzene	5.2	32	30	180
Chlorotoluene	5.2	28	Not Detected	Not Detected
1,2-Dichlorobenzene	5.2	32	5.9	36
1,2,4-Trichlorobenzene	5.2	40	57	430
Hexachlorobutadiene	5.2	57	Not Detected	Not Detected
Propylene	21	37	Not Detected	Not Detected
1,3-Butadiene	21	47	Not Detected	Not Detected
Acetone	21	51	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : G-10

ID#: 0005064-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1080318	Date of Collection:	5/3/00
Dil. Factor:	10.5	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/m3)	Amount (ppbv)	Amount (ug/m3)
Carbon Disulfide	21	66	Not Detected	Not Detected
2-Propanol	21	52	Not Detected	Not Detected
trans-1,2-Dichloroethene	21	85	Not Detected	Not Detected
Vinyl Acetate	21	75	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	21	63	Not Detected	Not Detected
Hexane	21	76	Not Detected	Not Detected
Tetrahydrofuran	21	63	Not Detected	Not Detected
Cyclohexane	21	73	Not Detected	Not Detected
1,4-Dioxane	21	77	Not Detected	Not Detected
Bromodichloromethane	21	140	Not Detected	Not Detected
4-Methyl-2-pentanone	21	87	Not Detected	Not Detected
2-Hexanone	21	87	Not Detected	Not Detected
Dibromochloromethane	21	180	Not Detected	Not Detected
Bromoform	21	220	Not Detected	Not Detected
4-Ethyltoluene	21	100	Not Detected	Not Detected
Ethanol	21	40	Not Detected	Not Detected
Methyl tert-Butyl Ether	21	77	Not Detected	Not Detected
Heptane	21	87	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	88	70-130

AIR TOXICS LTD.

SAMPLE NAME : J-10

ID#: 0005064-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1050317	Date of Collection:	5/3/00
Dr. Factor:	0.27	Date of Analysis:	5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/m3)	Amount (ppbv)	Amount (ug/m3)
Freon 12	4.6	23	Not Detected	Not Detected
Freon 114	4.6	33	Not Detected	Not Detected
Chloromethane	4.6	9.7	Not Detected	Not Detected
Vinyl Chloride	4.6	12	Not Detected	Not Detected
Bromomethane	4.6	18	Not Detected	Not Detected
Chloroethane	4.6	12	Not Detected	Not Detected
Freon 11	4.6	26	Not Detected	Not Detected
1,1-Dichloroethane	4.6	19	Not Detected	Not Detected
Freon 113	4.6	36	Not Detected	Not Detected
Methylene Chloride	4.6	16	Not Detected	Not Detected
1,1-Dichloroethane	4.6	19	Not Detected	Not Detected
cis-1,2-Dichloroethane	4.6	19	Not Detected	Not Detected
Chloroform	4.6	23	Not Detected	Not Detected
1,1,1-Trichloroethane	4.6	28	Not Detected	Not Detected
Carbon Tetrachloride	4.6	30	Not Detected	Not Detected
Benzene	4.6	15	130	426
1,2-Dichloroethane	4.6	19	Not Detected	Not Detected
Trichloroethene	4.6	25	Not Detected	Not Detected
1,2-Dichloropropane	4.6	22	Not Detected	Not Detected
cis-1,3-Dichloropropane	4.6	21	Not Detected	Not Detected
Toluene	4.6	18	Not Detected	Not Detected
trans-1,3-Dichloropropane	4.6	21	Not Detected	Not Detected
1,1,2-Trichloroethane	4.6	26	Not Detected	Not Detected
Tetrachloroethane	4.6	32	Not Detected	Not Detected
Ethylene Dibromide	4.6	36	Not Detected	Not Detected
Chlorobenzene	4.6	22	1400	6600
Ethyl Benzene	4.6	20	Not Detected	Not Detected
m,p-Xylene	4.6	20	5.3	23
o-Xylene	4.6	20	Not Detected	Not Detected
Styrene	4.6	20	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	4.6	32	Not Detected	Not Detected
1,3,5-Trimethylbenzene	4.6	23	Not Detected	Not Detected
1,2,4-Trimethylbenzene	4.6	23	11	53
1,3-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,4-Dichlorobenzene	4.6	28	34	210
Chloroethane	4.6	24	Not Detected	Not Detected
1,2-Dichlorobenzene	4.6	28	Not Detected	Not Detected
1,2,4-Trichlorobenzene	4.6	35	Not Detected	Not Detected
Hexachlorobutadiene	4.6	50	Not Detected	Not Detected
Propylene	18	32	Not Detected	Not Detected
1,3-Butadiene	18	42	Not Detected	Not Detected
Acetone	18	45	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: J-10

ID#: 0805064-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name: 1089817
 Dili. Factor: 8.27
 Date of Collection: 5/3/00
 Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/m3)	Amount (ppbv)	Amount (ug/m3)
Carbon Disulfide	18	59	Not Detected	Not Detected
2-Propanol	18	46	Not Detected	Not Detected
trans-1,2-Dichloroethane	18	73	Not Detected	Not Detected
Vinyl Acetate	18	66	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	18	56	Not Detected	Not Detected
Hexane	18	66	Not Detected	Not Detected
Tetrahydrofuran	18	56	Not Detected	Not Detected
Cyclohexane	18	66	86	340
1,4-Dioxane	18	68	Not Detected	Not Detected
Bromodichloromethane	18	130	Not Detected	Not Detected
4-Methyl-2-pentanone	18	77	Not Detected	Not Detected
2-Hexanone	18	77	Not Detected	Not Detected
Dibromochloromethane	18	150	Not Detected	Not Detected
Bromoform	18	180	Not Detected	Not Detected
4-Ethyltoluene	18	93	Not Detected	Not Detected
Ethanol	18	36	Not Detected	Not Detected
Methyl tert-Butyl Ether	18	68	Not Detected	Not Detected
Heptane	18	77	Not Detected	Not Detected

Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	139 Q	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	105030a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/ms)	Amount (ppbv)	Amount (ug/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.60	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.6	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.6	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.8	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropane	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropane	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	2.5	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	3.0	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	2.8	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.0	Not Detected	Not Detected
Hexachlorobutadiene	0.50	3.8	Not Detected	Not Detected
Propylene	2.0	5.4	Not Detected	Not Detected
1,3-Butadiene	2.0	3.5	Not Detected	Not Detected
Acetone	2.0	4.5	Not Detected	Not Detected
	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0005064-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1060308	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	6/3/00

Compound	Det. Limit (ppbv)	Det. Limit (ug/m3)	Amount (ppbv)	Amount (ug/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethane	2.0	6.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	86	70-130

LABORATORY NARRATIVE
Analysis of Volatile Organic Compounds by EPA Method TO-14
SOMA Corporation
Work Order # 0005092A

One 6L Summa Canister sample was received on May 5, 2000. The laboratory performed analysis via EPA Methods TO-14/TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14/TO-14A</i>	<i>TO-15</i>	<i>Air Toxics Lab. Modification</i>
Concentration of internal standard spike	Not specified	10 ppbv	25 - 50 ppbv
Dilutions for initial calibration	Dynamic or static dilutions using canisters	Dynamic or static dilutions using canisters	Syringe and flow controller dilutions
Internal standard recoveries	Not specified	Within 40% of mean of calibration curve for blanks, and within 40% of daily CCV for samples	Within 40% of the daily CCV internal standard area for blanks and samples
Internal standard retention times	Not specified	Within 0.33 minutes from most recent calibration	Within 0.50 minutes of most recent daily CCV internal standards
Initial calibration criteria	Not specified	RSD of 30% or less	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified	70 - 130%	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation	Average response factor (ICAL)	Daily response factor (CCV)	Average response factor (ICAL)

During the five-point calibration, two low level standards are used. The low level standard for non-polar compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low level standard for the polar compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. Non-polar TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

There were no out of the ordinary circumstances to report.

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.

- E - Exceeds instrument calibration range.**
- S - Saturated Peak.**
- Q - Exceeds quality control limits.**
- U - Compound analyzed for but not detected above the reporting limit.**
- N - The identification is based on presumptive evidence.**

Appendix D

Manifests of Soils Disposed at Class I

Landfill

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7999

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 0 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.				
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680237						
4. Generator's Phone (925) 244-6600						B. State Generator's ID						
5. Transporter 1 Company Name DenBeste			6. US EPA ID Number C A T 0 0 0 2 5 1 3 6 3 2			C. State Transporter's ID [Reserved]						
7. Transporter 2 Company Name						D. Transporter's Phone 707-838-1407						
8. US EPA ID Number						E. State Transporter's ID [Reserved]						
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						G. State Facility's ID C A T 0 0 0 6 4 6 1 1 7						
10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7						H. Facility's Phone (559) 386-9711						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) ☑️, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)					12. Containers		13. Total Quantity		14. Unit Wt/Val		I. Waste Number	
					No. Type		Quantity		Wt/Val		State EPA/Other	
a.					0010T		24000 N.P. 26000 KG		J		State EPA/Other	
b.											State EPA/Other	
c.											State EPA/Other	
d.											State EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 #2 SP47773						K. Handling Codes for Wastes Listed Above						
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5/22/00						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Naser Pakrov			Signature 			Month 05		Day 23		Year 00		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ryan D. Mack			Signature 			Month 05		Day 23		Year 00		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Month		Day		Year		
19. Discrepancy Indication Space												
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name						Signature			Month Day Year			

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7335

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T 0 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address GSS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 39680235											
4. Generator's Phone (925) 244-6600						B. State Generator's ID											
5. Transporter 1 Company Name Don Beste				6. US EPA ID Number C A 0 9 2 2 5 1 3 6 5 2		C. State Transporter's ID (Reserved)											
7. Transporter 2 Company Name						D. Transporter's Phone 707-858-1407											
8. US EPA ID Number						E. State Transporter's ID (Reserved)											
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7		G. State Facility's ID									
						H. Facility's Phone (559) 386-9711											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) AQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)					12. Containers		13. Total		14. Unit		1. Waste Number						
					No. Type		Quantity		Wt/Val		State		EPA/Other				
					001 BT		24,000		kg		261,611						
b.											State						
											EPA/Other						
c.											State						
											EPA/Other						
d.											State						
											EPA/Other						
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 SP44907						K. Handling Codes for Wastes Listed Above											
						a.		b.		c.		d.					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5/22/00																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Naser Pakirov				Signature 				Month		Day		Year					
								0		5		23					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Steven Costa				Signature 				Month		Day		Year	
								0		5		25		00			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name				Signature				Month		Day		Year					

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7323
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680213													
4. Generator's Phone (925) 244-6600						B. State Generator's ID													
5. Transporter 1 Company Name BARBA TRUCKING			6. US EPA ID Number CA09895117000			C. State Transporter's ID [Reserved.] 2638		D. Transporter's Phone 925-235-1225											
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID [Reserved.]											
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7		G. State Facility's ID C A T 0 0 0 6 4 6 1 1 7											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number							
a. RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl) b. c. d.						No.		Type				State 261.611							
										25000 kg				EPA/Other		State			
														EPA/Other		State			
														EPA/Other		State			
														EPA/Other		State			
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 BR96266 ET709598						K. Handling Codes for Wastes Listed Above a. b. c. d.													
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 05/22/00																			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name Nasir Pakiou				Signature 				Month 05		Day 22		Year 00							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVE BARBA				Signature Dave Barba				Month 05		Day 22		Year 00							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year							
19. Discrepancy Indication Space																			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name										Signature				Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

**UNIFORM HAZARDOUS
 WASTE MANIFEST**

1. Generator's US EPA ID No. Manifest Document No. 2. Page 1 of 1
 Information in the shaded areas is not required by Federal law.

C A T O 8 0 0 3 2 1 1 3

A. State Manifest Document Number
99680236

3. Generator's Name and Mailing Address
CBS Corp
5899 Peladeau Street
Emeryville, Ca 94608-2002
 4. Generator's Phone (925) 244-6600

B. State Generator's ID

5. Transporter 1 Company Name
Triple Play DNO
 6. US EPA ID Number
CAL000216031

C. State Transporter's ID [Reserved.]
 D. Transporter's Phone
925 515 4875

7. Transporter 2 Company Name
 8. US EPA ID Number

E. State Transporter's ID [Reserved.]
 F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, Ca 93239
 10. US EPA ID Number
C A T O 0 0 0 6 4 6 1 1 7

G. State Facility's ID
C A T O 0 0 0 6 4 6 1 1 7
 H. Facility's Phone
(559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)
EQ, Environmentally Hazardous Substances,
Solid, N.O.S.9, UN3077, III
(Polychlorinated Biphenyl)
 b.
 c.
 d.

12. Containers	13. Total	14. Unit	1. Waste Number
No.	Quantity	Wt/Val	
Two	TO 25000	K	State 261.611 EPA/Other
			State EPA/Other
			State EPA/Other
			State EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # a) EA0107
DL# NO172794

K. Handling Codes for Wastes Listed Above
 a. b. c. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract
Out Of Service Date **05/20/00**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Patrick A. Sullivan** Signature **Patrick A. Sullivan** Month **05** Day **22** Year **00**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **DIRK DAVIS** Signature **Dirk Davis** Month **05** Day **22** Year **00**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7530
 GENERATOR FACILITY TRANSPORTER

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7327

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA A T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680212							
4. Generator's Phone (925) 244-6600						B. State Generator's ID							
5. Transporter 1 Company Name Jess Ranch			6. US EPA ID Number CA L 0 0 9 1 9 0 8 8 6			C. State Transporter's ID (Reserved)							
7. Transporter 2 Company Name						D. Transporter's Phone 209 609 7225							
8. US EPA ID Number						E. State Transporter's ID (Reserved)							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA A T 0 0 0 6 4 6 1 1 7							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a) environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number State 261,611 EPA/Other	
b.								180000		kg		State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107						K. Handling Codes for Wastes Listed Above 9843671 #1							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5/20/00													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Naser Pakiou				Signature 				Month 05		Day 22		Year 00	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Jerrad Jess				Signature 				Month 05		Day 22		Year 00	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name				Signature				Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

99680314

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7575

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address GHS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680314					
4. Generator's Phone (925) 244-6600						B. State Generator's ID					
5. Transporter 1 Company Name JENSEN TRUCKING				6. US EPA ID Number CA 9 3 0 9 6 5 9 2 0		C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name						D. Transporter's Phone 530-677-8394					
8. US EPA ID Number						E. State Transporter's ID [Reserved.]					
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		G. State Facility's ID CA T 0 0 0 6 4 6 1 1 7			
10. US EPA ID Number						H. Facility's Phone (559) 386-9711					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) AQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)					12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol		15. Waste Number
							25000 kg				State 261.611
											EPA/Other
b.											State
											EPA/Other
c.											State
											EPA/Other
d.											State
											EPA/Other
J. Additional Descriptions for Materials Listed Above Profile # 2) EA0107 SP3417D						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5/20/00											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Naser Parivar				Signature 				Month Day Year 05 22 00			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name DON JENSEN				Signature 				Month Day Year 05 22 00			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name				Signature				Month Day Year			

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7531
 GENERATOR
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAT080032113	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002				A. State Manifest Document Number 99680317				
4. Generator's Phone (925) 244-6600				B. State Generator's ID				
5. Transporter 1 Company Name J & L		6. US EPA ID Number 9A4000209865		C. State Transporter's ID [Reserved.]				
7. Transporter 2 Company Name				D. Transporter's Phone 209-667-5193				
8. US EPA ID Number		E. State Transporter's ID [Reserved.]		F. Transporter's Phone				
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239				G. State Facility's ID CAT000646117				
10. US EPA ID Number CAT000646117				H. Facility's Phone (559) 386-9711				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) EQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)				12. Containers		13. Total		
				No.	Type	Quantity		
						ONE TO 24000		14. Unit Wt/Vol R
								I. Waste Number State 261.611 EPA/Other
								State EPA/Other
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107				K. Handling Codes for Wastes Listed Above				
TR 9B41694 TR 1UP6973				a.		b.		
				c.		d.		
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 05/19/00								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name Patrick Sullivan		Signature <i>Patrick C. Sullivan</i>		Month Day Year 05 20 00				
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Tim Thomas		Signature <i>Tim Thomas</i>		Month Day Year 05 20 00		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name		Signature		Month Day Year				

DO NOT WRITE BELOW THIS LINE.

**UNIFORM HAZARDOUS
 WASTE MANIFEST**

1. Generator's US EPA ID No. CA T O 8 0 0 3 2 1 1 3	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
--	-----------------------	-------------------	--

3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002		A. State Manifest Document Number 99680315
4. Generator's Phone (925) 244-6600		B. State Generator's ID
5. Transporter 1 Company Name Perez Transportation	6. US EPA ID Number CA L 0 0 0 2 0 9 8 8 7	C. State Transporter's ID [Reserved.]
7. Transporter 2 Company Name		D. Transporter's Phone (209) 406-6443
8. US EPA ID Number		E. State Transporter's ID [Reserved.]
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239		G. State Facility's ID CA T O 0 0 6 4 6 1 1 7
10. US EPA ID Number CA T O 0 0 6 4 6 1 1 7		H. Facility's Phone (559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. Environmentally hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)	ONE	T, D	2,400	K	State 261,611 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 C 0226014	K. Handling Codes for Wastes Listed Above a. b. c. d.
---	---

15. Special Handling Instructions and Additional Information
 CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract
 Out Of Service Date 05/19/00

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Patrick Sullivan	Signature Patrick A. Sullivan	Month Day Year 05 20 00
--	----------------------------------	--------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Arnulfo Sierra	Signature Arnulfo Sierra	Month Day Year 05 20 00
---	-----------------------------	--------------------------------

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Month Day Year
---	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name	Signature	Month Day Year
---	-----------	----------------

DO NOT WRITE BELOW THIS LINE.

99680315 CALIFORNIA, CALL 1-800-852-7550
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

99680319 CALIFORNIA, CALL 1-800-852-7550

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680319											
4. Generator's Phone (925) 244-6600						B. State Generator's ID											
5. Transporter 1 Company Name Jaspin Transportation				6. US EPA ID Number C A 4 9 0 0 1 7 3 1 7 7		C. State Transporter's ID (Reserved)											
7. Transporter 2 Company Name						D. Transporter's Phone											
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7		E. State Transporter's ID (Reserved)									
						F. Transporter's Phone											
						G. State Facility's ID		H. Facility's Phone									
								(559) 386-9711									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers		13. Total		14. Unit		1. Waste Number					
						No.		Type		Quantity		Wt/Vol		State		EPA/Other	
										24,000		K		261.611			
														State		EPA/Other	
														State		EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107						K. Handling Codes for Wastes Listed Above											
						a.		b.		c.		d.					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Patrick Sullivan				Signature <i>Patrick Sullivan</i>		Month		Day		Year		05		20		00	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KINGO MUMIZ				Signature <i>[Signature]</i>		Month		Day		Year		05		20		00	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month		Day		Year							
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name						Signature		Month		Day		Year					

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address CYS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680318								
4. Generator's Phone (925) 244-6600						B. State Generator's ID								
5. Transporter 1 Company Name Jaspin Transportation				6. US EPA ID Number CA 4 9 9 9 1 7 3 1 7 7		C. State Transporter's ID (Reserved.)								
7. Transporter 2 Company Name						D. Transporter's Phone 888 838 1477								
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		G. State Facility's ID						
						H. Facility's Phone (559) 386-9711								
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. <u>20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)</u>					12. Containers		13. Total		14. Unit		I. Waste Number			
					No.		Type		Quantity		Wt/Vol		State	
					ONE		4		24,000		K		261,611	
													EPA/Other	
													State	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 L-11 B 4041919						K. Handling Codes for Wastes Listed Above								
						a.		b.						
						c.		d.						
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract 05/17/00 Out Of Service Date														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name Patrick Sullivan				Signature <i>Patrick C. Sullivan</i>				Month 05		Day 20		Year 00		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JESSE THANDI				Signature <i>JTHANDI</i>				Month 05		Day 20		Year 00		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year		
19. Discrepancy Indication Space														
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name														
				Signature				Month		Day		Year		

DO NOT WRITE BELOW THIS LINE.

99680316
 GENERATOR
 TRANSPORTER
 FACILITY
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680316											
4. Generator's Phone (925) 244-6600						B. State Generator's ID											
5. Transporter 1 Company Name H.J. Peter & Sons			6. US EPA ID Number CA0000709887			C. State Transporter's ID [Reserved.]											
7. Transporter 2 Company Name						D. Transporter's Phone 707 838-1407											
8. US EPA ID Number						E. State Transporter's ID [Reserved.]											
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						G. State Facility's ID C A T O 0 0 6 4 6 1 1 7											
10. US EPA ID Number C A T O 0 0 6 4 6 1 1 7						H. Facility's Phone (559) 386-9711											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. <u>RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)</u> b. c. d.						12. Containers		13. Total		14. Unit		15. Waste Number					
						No.		Type		Quantity		Wt/Vol		State		EPA/Other	
								ONE T O		24,000		K		261.611			
														State		EPA/Other	
														State		EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 A2637760						K. Handling Codes for Wastes Listed Above a. b. c. d.											
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 05/19/00																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Patricia Sullivan				Signature Patricia A. Sullivan				Month 05		Day 20		Year 00					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Hector Peter				Signature Hector Peter				Month 05		Day 20		Year 00					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year					
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name																	
Signature				Month		Day		Year									

DO NOT WRITE BELOW THIS LINE.

FROM : SOMA ENVIRONMENTAL ENGINEERING

State of California—Environmental Protection Agency
Form A-1, revised OMB No. 2050-0030 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7350

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CBS Corp 5899 Paladeau Street Emeryville, Ca 94608-2002				A. State Manifest Document Number 99680311									
4. Generator's Phone (925) 244-6600				B. State Generator's ID									
5. Transporter 1 Company Name Sagin Trans.				6. US EPA ID Number CA 1000 1231 177		C. State Transporter's ID [Based on]							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 925 534-7430							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239				10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		E. State Transporter's ID [Based on]							
				F. Transporter's Phone		G. State Facility's ID CA T 0 0 0 6 4 6 1 1 7							
				H. Facility's Phone (559) 386-9711									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)					12. Containers No. Type ONE T 10 2200P		13. Total Quantity 2200P		14. Unit Wh/Vol R		15. Waste Number State 261.611 EPA/Other		
16. Additional Descriptions for Materials Listed Above Profile # a) EA0107					K. Handling Codes for Wastes Listed Above		a.		b.		c.		
17. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5-19-00											05/19/00		
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this container are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Patrick A. Sullivan													
Printed/Typed Name Patrick A. Sullivan				Signature Patrick A. Sullivan				Month 05		Day 20		Year 00	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Heather N. Palomar				Signature Heather N. Palomar				Month 05		Day 20		Year 00	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19													
Printed/Typed Name				Signature				Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

Where: TSDP SENDS THIS COPY TO DISEL WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1080032113		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.				
3. Generator's Name and Mailing Address GBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680313						
4. Generator's Phone (925) 244-6600						B. State Generator's ID						
5. Transporter 1 Company Name BATCHELDER TRK			6. US EPA ID Number CA1000245021			C. State Transporter's ID [Reserved.]						
7. Transporter 2 Company Name						D. Transporter's Phone 974 2255						
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						G. State Facility's ID CA1000646117						
10. US EPA ID Number CA1000646117						H. Facility's Phone (559) 386-9711						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		1. Waste Number	
					No.	Type					State 261.611	EPA/Other
b.										State	EPA/Other	
c.										State	EPA/Other	
d.										State	EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107						K. Handling Codes for Wastes Listed Above						
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract 05/17/00 Out Of Service Date SP4483 GT26754 YR						a. b. c. d.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name Naser Paklou				Signature 				Month Day Year 05/18/00				
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name CLIFTON BATCHELDER				Signature 				Month Day Year 05/18/00				
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name				Signature				Month Day Year				
19. Discrepancy Indication Space												
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.												
Printed/Typed Name				Signature				Month Day Year				

DO NOT WRITE BELOW THIS LINE.

99680217
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CBS Corp 3899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680217							
4. Generator's Phone (925) 244-6600						B. State Generator's ID							
5. Transporter 1 Company Name Acklam Trucking			6. US EPA ID Number CA0981420813			C. State Transporter's ID [Reserved.]							
7. Transporter 2 Company Name						D. Transporter's Phone 925-935-0766							
8. US EPA ID Number						E. State Transporter's ID [Reserved.]							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RX, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type 901 AT		13. Total Quantity 25000 kg		14. Unit Wt/Vol kg			
b.						State 261.611		EPA/Other		State			
c.						EPA/Other		State		EPA/Other			
d.						State		EPA/Other		State			
I. Additional Descriptions for Materials Listed Above Profile # a) EA0107						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date 5/17/00 4937065													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Naser Paklov				Signature 				Month 05		Day 18		Year 00	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 1000 Acklam				Signature 				Month 05		Day 18		Year 00	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name				Signature				Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A T 0 0 0 3 2 1 1 3	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
---	-----------------------	-------------------	---

3. Generator's Name and Mailing Address
CBS Corp
 5899 Peladeau Street
 Emeryville, Ca 94608-2002

4. Generator's Phone (925) 244-6600

A. State Manifest Document Number
99680312

B. State Generator's ID

5. Transporter 1 Company Name
JENSEN TRUCKING

6. US EPA ID Number
 CA 1950965920

C. State Transporter's ID [Reserved.]

D. Transporter's Phone **530-677-8394**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
 35251 Old Skyline Road
 Kettleman City, Ca 93239

10. US EPA ID Number
 C A T 0 0 0 6 4 6 1 1 7

G. State Facility's ID
 C A T 0 0 0 6 4 6 1 1 7

H. Facility's Phone
(559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

**20, Environmentally Hazardous Substances,
 Solid, N.O.S.9, UN3077, III
 (Polychlorinated Biphenyl)**

b.

c.

d.

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number	
			State	EPA/Other
	22000	kg	261.611	

1. Additional Descriptions for Materials Listed Above
Profile # a) EA0107 SP34140

K. Handling Codes for Wastes Listed Above

a.

b.


c.

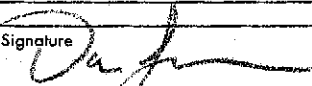
d.

15. Special Handling Instructions and Additional Information
**CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract
 Out Of Service Date 5/17/00**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Nasel Pakiou** Signature  Month **05** Day **18** Year **00**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **DON JENSEN** Signature  Month **05** Day **18** Year **00**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

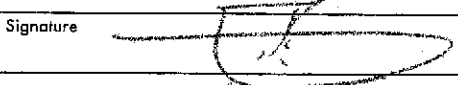
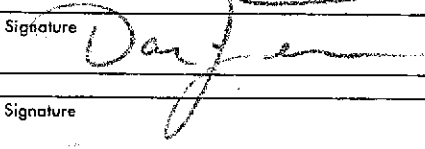
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name Signature Month Day Year

DO NOT WRITE BELOW THIS LINE.

99680312 CALIFORNIA, CALL 1-800-852-7550
 CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

99680210 CALIFORNIA, CALL 1-800-852-7550
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRACKS
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3	Manifest Document No.		2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address GBS CORP 5899 Peladeau Street Emeryville, Ca 94608-2002				A. State Manifest Document Number 99680210					
4. Generator's Phone (925) 244-6600				B. State Generator's ID					
5. Transporter 1 Company Name JENSEN TRUCKING		6. US EPA ID Number CA 4 9 3 0 9 6 5 9 2 0		C. State Transporter's ID [Reserved]					
7. Transporter 2 Company Name				8. US EPA ID Number					
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239				10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7		G. State Facility's ID C A T 0 0 0 6 4 6 1 1 7			
				H. Facility's Phone (559) 386-9711					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) 20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)				12. Containers		13. Total Quantity 25000 kg	14. Unit Wt/Val kg		
				Na. Type				I. Waste Number	
								State 261,611	
								EPA/Other	
								State	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 SP34140				K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Naser Paklov		Signature 		Month 05		Day 17		Year 09	
Printed/Typed Name DON JENSEN		Signature 		Month 05		Day 17		Year 09	
Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name		Signature		Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3 Manifest Document No. _____ 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CBS Corp
5899 Paladeau Street
Emeryville, Ca 94608-2002
 4. Generator's Phone (925) 244-6600

A. State Manifest Document Number 99680209
 B. State Generator's ID _____

5. Transporter 1 Company Name Acklam Trucking Corp 6. US EPA ID Number CA081420813
 D. Transporter's Phone 925-935-0766

C. State Transporter's ID (Reserved) _____
 E. State Transporter's ID (Reserved) _____

7. Transporter 2 Company Name _____ 8. US EPA ID Number _____

F. Transporter's Phone _____

9. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, Ca 93239 10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7
 H. Facility's Phone (559) 386-9711

G. State Facility's ID C A T 0 0 0 6 4 6 1 1 7

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. <u>20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)</u>	<u>2</u>	<u>4000 K</u>	<u>24000 K</u>	<u>K</u>	State <u>261.611</u> EPA/Other _____
b. _____	_____	_____	_____	_____	State _____ EPA/Other _____
c. _____	_____	_____	_____	_____	State _____ EPA/Other _____
d. _____	_____	_____	_____	_____	State _____ EPA/Other _____

J. Additional Descriptions for Materials Listed Above
Profile # a) EA0107
 K. Handling Codes for Wastes Listed Above
 a. _____ b. _____
 c. _____ d. _____

15. Special Handling Instructions and Additional Information
CREMTREC Emergency Response Number (800) 424-9300 WMI Contract
Out Of Service Date 5/31/00

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Naser Pakiou Signature _____ Month 05 Day 17 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name Todd Acklam Signature _____ Month 05 Day 17 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

99680244
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680244					
4. Generator's Phone (925) 244-6600						B. State Generator's ID					
5. Transporter 1 Company Name H.J. Perez & Sons			6. US EPA ID Number CA 0000 209 487			C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name						D. Transporter's Phone 707 838-1407					
8. US EPA ID Number						E. State Transporter's ID [Reserved.]					
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		G. State Facility's ID CA T 0 0 0 6 4 6 1 1 7			
H. Facility's Phone (559) 386-9711											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		
a. RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl) b. c. d.					No.		Type		1. Waste Number		
									State 261611		
									EPA/Other		
									State		
									EPA/Other		
3. Additional Descriptions for Materials Listed Above Profile # a) EA0107 HJP						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date						a.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						b.					
Printed/Typed Name Naser Pakrou						Signature 		Month 05		Day 15	
17. Transporter 1 Acknowledgement of Receipt of Materials						Year 00					
Printed/Typed Name Hector J. Perez						Signature 		Month 05		Day 15	
18. Transporter 2 Acknowledgement of Receipt of Materials						Year 00					
Printed/Typed Name						Signature		Month		Day	
19. Discrepancy Indication Space						Year					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Month		Day		Year	
Printed/Typed Name						Signature		Month		Day	
						Year					

DO NOT WRITE BELOW THIS LINE.

99680245
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 39880245					
4. Generator's Phone (925) 244-6600						B. State Generator's ID					
5. Transporter 1 Company Name Perez Transportation				6. US EPA ID Number CA 6 0 0 0 2 0 9 8 8 9		C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name						D. Transporter's Phone (209) 406-6443					
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		E. State Facility's ID CA T 0 0 0 6 4 6 1 1 7			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. EQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type		13. Total Quantity 23000 kg		14. Unit Wt/Vol kg	
b.										f. Waste Number State 261.611 EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
j. Additional Descriptions for Materials Listed Above Profile # a) EA0107 Lic 9A93046						k. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Naser Portou				Signature 				Month Day Year 05 15 00			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Arnaldo Correa		Signature 		Month Day Year 05 15 00	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002					A. State Manifest Document Number 99680243		
4. Generator's Phone (925) 244-6600					B. State Generator's ID		
5. Transporter 1 Company Name Hawbakre Trucking			6. US EPA ID Number CA 000191279		C. State Transporter's ID [Reserved]		
7. Transporter 2 Company Name					D. Transporter's Phone 909-946-6594		
8. US EPA ID Number					E. State Transporter's ID [Reserved]		
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239					10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		G. State Facility's ID
					H. Facility's Phone (559) 386-9711		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) 20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)				12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number State 261,611 EPA/Other
b.					19000	kg	State EPA/Other
c.							State EPA/Other
d.							State EPA/Other
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 009-SP94139					K. Handling Codes for Wastes Listed Above a. b. c. d.		
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Naser Pakioy				Signature 		Month Day Year 05 15 00	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID HAWBAKRE				Signature 		Month Day Year 05 15 00	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name				Signature		Month Day Year	

99680243
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7350
 GENERATOR
 FACILITY

DO NOT WRITE BELOW THIS LINE.

99680242

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CBS Corp 5899 Paladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680242					
4. Generator's Phone (925) 244-6600						B. State Generator's ID					
5. Transporter 1 Company Name				6. US EPA ID Number		C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name HOOD TRUCKING						8. US EPA ID Number CA T 0 0 0 6 5 6 7 2		D. Transporter's Phone			
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 7		E. State Transporter's ID [Reserved.]			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) KQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type		13. Total Quantity 18000 kg		14. Unit Wt/Vol kg	
b.								1. Waste Number State 261,611		EPA/Other	
c.								State		EPA/Other	
d.								State		EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 9601						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date						a.		b.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name Naser Paklov		Signature <i>[Signature]</i>		Month Day Year 05/15/00	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name LORRINE D HOOD		Signature <i>[Signature]</i>		Month Day Year 05/15/00	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

99680241 CALIFORNIA, CALL 1-800-852-7550
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA A T O 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address GBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680241					
4. Generator's Phone (925) 244-6600						B. State Generator's ID					
5. Transporter 1 Company Name Socks Smokers				6. US EPA ID Number CA A D O 0 2 1 6 2 4 9		C. State Transporter's ID [Reserved.]					
7. Transporter 2 Company Name						D. Transporter's Phone 510 655 8197					
8. US EPA ID Number						E. State Transporter's ID [Reserved.]					
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA A T O 0 0 6 4 6 1 1 7		G. State Facility's ID CA A T O 0 0 6 4 6 1 1 7			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type		13. Total Quantity 23900 kg		14. Unit Wt/Vol kg	
b.										I. Waste Number State 261.612 EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 # SS 9856814						K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. if I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Hosier Paktou				Signature 				Month Day Year 05 15 00			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name CHUCK ARMES		Signature 		Month Day Year 06 15 00	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name				Signature				Month Day Year			

DO NOT WRITE BELOW THIS LINE.

99680240
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7555
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680240							
4. Generator's Phone (925) 244-6600						B. State Generator's ID							
5. Transporter 1 Company Name Dump Truck			6. US EPA ID Number CAR 900059829			C. State Transporter's ID [Reserved.]							
7. Transporter 2 Company Name						D. Transporter's Phone 209-965-1036							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T O 0 0 6 4 6 1 1 7							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) AQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste Number State 261,611 EPA/Other	
b.								23000		kg		State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 9856102						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name G. Naser Paklou			Signature 			Month Day Year 05/15/00							
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Gerald Covington			Signature 			Month Day Year 05/15/00							
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name			Signature			Month Day Year							
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name			Signature			Month Day Year							

DO NOT WRITE BELOW THIS LINE.

99680239
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7555
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address CBS Corp 5899 Paladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680239									
4. Generator's Phone (925) 244-6600						B. State Generator's ID									
5. Transporter 1 Company Name D&K TRANSPORTATION				6. US EPA ID Number CA10000209531		C. State Transporter's ID [Reserved.]									
7. Transporter 2 Company Name						D. Transporter's Phone 209 668 7069		E. State Transporter's ID [Reserved.]							
8. US EPA ID Number						F. Transporter's Phone									
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T O 0 0 6 4 6 1 1 7		G. State Facility's ID C A T O 0 0 6 4 6 1 1 7							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number			
a. EO, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl) b. c. d.						No.		Type				State 261.611			
										19000 kg		EPA/Other			
												State			
												EPA/Other			
												State			
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 9A99125						K. Handling Codes for Wastes Listed Above									
						a.		b.							
						c.		d.							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Naser Pakiou				Signature 				Month 05		Day 15		Year 00			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DARRELL LINDSEY		Signature 		Month 05		Day 15		Year 00	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name				Signature				Month		Day		Year			

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A T 0 8 0 0 3 2 1 1 3 Manifest Document No. _____ 2. Page 1 of 1
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ONS Corp
5899 Peladeau Street
Emeryville, Ca 94608-2002
 4. Generator's Phone (925) 244-6600
 A. State Manifest Document Number 99680238
 B. State Generator's ID _____

5. Transporter 1 Company Name Diaz Transportation 6. US EPA ID Number 0 A L 0 0 0 2 1 2 0 3 9
 C. State Transporter's ID [Reserved] _____
 D. Transporter's Phone (209) 957-5849
 7. Transporter 2 Company Name _____ 8. US EPA ID Number _____
 E. State Transporter's ID [Reserved] _____
 F. Transporter's Phone _____

9. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
35251 Old Skyline Road
Kettleman City, Ca 93239
 10. US EPA ID Number C A T 0 0 0 6 4 6 1 1 7
 G. State Facility's ID _____
 H. Facility's Phone (559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. <u>20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)</u>			<u>24000 kg</u>		State <u>261.611</u> EPA/Other _____
b. _____					State _____ EPA/Other _____
c. _____					State _____ EPA/Other _____
d. _____					State _____ EPA/Other _____

J. Additional Descriptions for Materials Listed Above
Profile # a) EA0107
9834818
P607
 K. Handling Codes for Wastes Listed Above
 a. _____ b. _____
 c. _____ d. _____

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract
Out Of Service Date

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Naser Pakiro Signature _____ Month 5 Day 15 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name Adrian Diaz Signature _____ Month 05 Day 15 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

DO NOT WRITE BELOW THIS LINE.

99680238
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

99680215
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR
 FACILITY
 TRANSPORTER

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002				A. State Manifest Document Number 99680215		B. State Generator's ID									
4. Generator's Phone (925) 244-6600				C. State Transporter's ID [Reserved.]		D. Transporter's Phone									
5. Transporter 1 Company Name BC's Trucking				6. US EPA ID Number CA 0 9 9 3 4 7 0 5 9 9		E. State Transporter's ID [Reserved.]									
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone									
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239				10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7		G. State Facility's ID									
						H. Facility's Phone (559) 386-9711									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number			
a. RC, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, HT (Polychlorinated Biphenyl)						No. Type		24000		kg		State 261,611 EPA/Other			
b.												State EPA/Other			
c.												State EPA/Other			
d.												State EPA/Other			
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 G-5 Lic# 9866261						K. Handling Codes for Wastes Listed Above a. b. c. d.									
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize by waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name Naser Pakiou				Signature <i>[Signature]</i>				4/5 Fall		Month Day Year 05/12/00					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name GARY MITK				Signature <i>[Signature]</i>				11/20/00		Month Day Year 05/12/00					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature						Month Day Year					
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name															
				Signature						Month Day Year					

DO NOT WRITE BELOW THIS LINE.

99680208
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 8 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680208									
4. Generator's Phone (925) 244-6600						B. State Generator's ID									
5. Transporter 1 Company Name DT TRUCKING				6. US EPA ID Number C A T O 0 0 2 0 9 8 6 7		C. State Transporter's ID [Reserved.]									
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 209 727 8050							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number C A T O 0 0 6 4 6 1 1 7		G. State Facility's ID C A T O 0 0 6 4 6 1 1 7							
								H. Facility's Phone (559) 386-9711							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) EQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers		13. Total Quantity		14. Unit Wt/Vol					
						No. Type		Quantity		Wt/Vol		I. Waste Number			
						15		76		24 TON					
b.										K State EPA/Other					
c.										State EPA/Other					
d.										State EPA/Other					
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 9A24973						K. Handling Codes for Wastes Listed Above a. b. c. d.									
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name DANIEL FREITAS				Signature <i>Daniel Freitas</i>		Month 05		Day 12		Year 00					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Naser Pakiou		Signature <i>Naser Pakiou</i>		Month 05		Day 12		Year 00	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name		Signature		Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

**UNIFORM HAZARDOUS
 WASTE MANIFEST**

1. Generator's US EPA ID No. CA T 0 8 0 0 3 2 1 1 3	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
--	-----------------------	-------------------	--

3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002	A. State Manifest Document Number 99680206
	B. State Generator's ID
4. Generator's Phone (925) 244-6600	C. State Transporter's ID [Reserved.]
5. Transporter 1 Company Name <i>Don Beste</i>	D. Transporter's Phone 1 800 838-1477
6. US EPA ID Number CA D 9 8 2 5 1 3 6 3 2	E. State Transporter's ID [Reserved.]
7. Transporter 2 Company Name	F. Transporter's Phone

9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239	10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7
	G. State Facility's ID CA T 0 0 0 6 4 6 1 1 7
	H. Facility's Phone (559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
	No.	Type			
a. 20, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)	00	21247			State 201.611 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 <i>SP44532 201</i>	K. Handling Codes for Wastes Listed Above a. b. c. d.
--	---

15. Special Handling Instructions and Additional Information
 CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract
 Out Of Service Date

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name <i>Naser Pakrou</i>	Signature <i>[Signature]</i> 1/3 full.	Month 05	Day 12	Year 00
---	---	-------------	-----------	------------

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Doug Roostrom</i>	Signature <i>[Signature]</i>	Month 05	Day 12	Year 00
---	---------------------------------	-------------	-----------	------------

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Month	Day	Year
---	-----------	-------	-----	------

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name	Signature	Month	Day	Year
---	-----------	-------	-----	------

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550
 GENERATOR FACILITY TRANSPORTER

99680206

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA T 0 6 0 0 3 2 1 1 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CBS Corp 3899 Feladeau Street Emeryville, Ca 94608-2002						A. State Manifest Document Number 99680207							
4. Generator's Phone (925) 244-6600						B. State Generator's ID							
5. Transporter 1 Company Name DANGER TRANSPORT, INC			6. US EPA ID Number CA D 9 8 2 5 1 3 6 3 2			C. State Transporter's ID [Reserved.]							
7. Transporter 2 Company Name						D. Transporter's Phone 707-898-7407							
8. US EPA ID Number						E. State Transporter's ID [Reserved.]							
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239						10. US EPA ID Number CA T 0 0 0 6 4 6 1 1 7							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) EQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)						12. Containers No. Type 0 0 1 D T 2 4 7 0 0		13. Total Quantity 24700		14. Unit Wt/Vol KAY			
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date						K. Handling Codes for Wastes Listed Above a. b. c. d.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						J. Additional Descriptions for Materials Listed Above Profile # a) EA0107							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Naser Pakrou				Signature 		Month Day Year 0 5 1 2 0 0		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Don Pittman		Signature 		Month Day Year 0 5 1 2 0 0	
19. Discrepancy Indication Space						20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day Year							

DO NOT WRITE BELOW THIS LINE.

99680214
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7555
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A T O 8 0 0 3 2 1 1 3	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address CBS Corp 5899 Peladeau Street Emeryville, Ca 94608-2002			A. State Manifest Document Number 99680214		
4. Generator's Phone (925) 244-6600			B. State Generator's ID		
5. Transporter 1 Company Name JIF Trucking		6. US EPA ID Number CA4000209868	C. State Transporter's ID [Reserved.]		
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 2098693129		
9. Designated Facility Name and Site Address Chemical Waste Management, Inc. 35251 Old Skyline Road Kettleman City, Ca 93239		10. US EPA ID Number C A T O 0 0 6 4 6 1 1 7	E. State Transporter's ID [Reserved.]		
			F. Transporter's Phone		
			G. State Facility's ID C A T O 0 0 6 4 6 1 1 7		
			H. Facility's Phone (559) 386-9711		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
a. EQ, Environmentally Hazardous Substances, Solid, N.O.S.9, UN3077, III (Polychlorinated Biphenyl)			24000	kg	State 261.611 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above Profile # a) EA0107 9C52096			K. Handling Codes for Wastes Listed Above a. b. c. d.		
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract Out Of Service Date					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name JERRY FREITAS		Signature <i>[Signature]</i>		Month 05	Day 12
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Naser Pakiov		Year 00	
		Signature <i>[Signature]</i>		Month 05	Day 12
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Year 00	
		Signature		Month	Day
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month	Day
				Year	

DO NOT WRITE BELOW THIS LINE.

Appendix E

Manifests of Disposed Storm Water and Purged Groundwater



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **26405**

Date 5-30-00

BILLING INFORMATION

JOB SITE

NAME <i>SUDA ENV ENG</i>			NAME <i>Energy Station #2</i>			PO #	CASH	CHECK
ADDRESS <i>2180 Bishop Dr. Suite 213</i>			ADDRESS <i>5953 Harbor St</i>			CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	STATE <i>CA</i>	ZIP <i>94523</i>	CITY <i>Emeryville CA</i>	STATE <i>CA</i>	ZIP <i>94608</i>	PROFILE # <i>217-114</i>		
PHONE NO. <i>(925) 241-1610</i>			PHONE NO. <i>(510) 505-7331</i>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>AW15362101</i>	<i>4000</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:	Collection Station	Industrial	Agriculture	Government	Marine	TOTAL	
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------	--

<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980638831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980887418 (510) 795-4400		

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE *[Signature]*

GENERATOR
SIGNATURE *[Signature]*



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **26406**

Date 5-30-00

BILLING INFORMATION

JOB SITE

NAME <i>Santa Env Eng</i>			NAME <i>Emery station #3</i>			PO#	CASH	CHECK
ADDRESS <i>2450 Bishop Dr. Suite 203</i>			ADDRESS <i>5053 Horton St</i>			CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	STATE <i>CA</i>	ZIP <i>94583</i>	CITY <i>Emeryville CA</i>	STATE <i>CA</i>	ZIP <i>94608</i>	PROFILE # <i>302-104</i>		
PHONE NO. <i>(925) 244-1600</i>			PHONE NO. <i>(510) 505-2390</i>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>14# 5307102</i>	<i>4900</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:					TOTAL	
<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	NET 10 DAYS
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980887418 (510) 795-4400					

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE *[Signature]*

GENERATOR
SIGNATURE *[Signature]*



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **26407**

Date 5-30-00

BILLING INFORMATION

JOB SITE

NAME <u>SOMA Env. Eng.</u>			NAME <u>Emergency station #3</u>			PO #	CASH	CHECK
ADDRESS <u>2420 Bishop Dr Suite 203</u>			ADDRESS <u>5953 Harbor St.</u>			CUSTOMER EPA ID #		
CITY <u>San Ramon CA</u>	STATE <u>CA</u>	ZIP <u>94583</u>	CITY <u>Emeryville, CA</u>	STATE <u>CA</u>	ZIP <u>94608</u>	PROFILE # <u>302-184</u>		
PHONE NO. <u>(925) 744-1600</u>			PHONE NO. <u>(510) 505-7330</u>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL		
Oily Water Non RCRA Hazardous Waste Liquid					GAL		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL		
Non-Hazardous Waste Liquid			<u>A45302103</u>	<u>4800</u>	GAL		
Non-Hazardous Waste Solid					GAL		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:					Collection Station	Industrial	Agriculture	Government	Marine	TOTAL	
<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD990636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980887418 (510) 795-4400				NET 10 DAYS

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE Steve Anderson

GENERATOR SIGNATURE NASA POKIOU



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **24788**

Date 07/1/00

BILLING INFORMATION

JOB SITE

NAME <u>SOMA Env Eng Inc</u>			NAME <u>Webcor Builders</u>			PO #	CASH	CHECK
ADDRESS <u>7120 Bishop Dr</u>			ADDRESS <u>Emeryville #3</u>			CUSTOMER EPA ID #		
CITY <u>San Ramon CA 94582</u>	STATE	ZIP	CITY <u>Emeryville CA 94608</u>	STATE	ZIP	PROFILE #		
PHONE NO. <u>(925) 741-1100</u>			PHONE NO. <u>(510) 595-7721</u>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<u>LA 46645</u>	<u>11800</u>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:

<input type="checkbox"/> Avisio Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980636831 (805) 762-7966	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD058494310 (408) 451-5000	TOTAL	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277		
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980867418 (510) 795-4400			

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE [Signature]

GENERATOR
SIGNATURE [Signature]



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407
 800-499-3676 FAX 510-476-1786
 CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **24804**

Date 4-25-00

BILLING INFORMATION

JOB SITE

NAME <i>Sarna Env Eng</i>			NAME <i>Energy Station #3</i>			PO #	CASH	CHECK
ADDRESS <i>2480 Bishop Dr Suite 215</i>			ADDRESS <i>5853 Horton St</i>			CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	STATE <i>CA</i>	ZIP <i>94583</i>	CITY <i>Emeryville CA</i>	STATE <i>CA</i>	ZIP <i>94608</i>	PROFILE # <i>302-111</i>		
PHONE NO. <i>(925) 241-1100</i>			PHONE NO. <i>(510) 595-2320</i>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>1149252101</i>	<i>4800</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:

Collection Station Industrial Agriculture Government Marine

TOTAL

Alviso Independent Oil
5002 Archer Street; Alviso, CA
CAL000161743
(510) 797-8511

McKittrick Waste Treatment Site
5653 Hwy 58 West; McKittrick, CA
CAD980638831
(805) 762-7366

Solvent Services, dba Laidlaw
1021 Berryessa Road; San Jose, CA
CAD059494310
(408) 451-5000

NET 10 DAYS

AETS
1125 Hensley Street; Richmond, CA
CAT080022148
(510) 233-8001

Seaport Environmental
675 Seaport Blvd; Redwood City, CA
CAD000032058
(415) 364-8154

Commercial Filter Recycling
33210 Western Ave; Union City, CA
(510) 487-9277

DeMenno Kerdoon
2000 N. Alameda Blvd; Compton, CA
CAT080013352
(310) 571-3700

Evergreen Oil
6880 Smith Ave; Newark, CA
CAD980887418
(510) 795-4400

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE *[Signature]*

GENERATOR
SIGNATURE *[Signature]*

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number

NH- N 46666

4. Generator's Name and Mailing Address

(Leobear Builders) Emeryville Station #3
5853 Harton St.
Emeryville, CA 94608
Generator's Phone (510) 595-2370

5. Transporter Company Name

CLEARWATER ENVIRONMENTAL

6.

US EPA ID Number

CAR000007013

7. Transporter Phone

(510) 797-8511

8. Designated Facility Name and Site Address

ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002

9.

US EPA ID Number

CAL000161743

10. Facility's Phone

(510) 797-8511

11. Waste Shipping Name and Description

a. Non-Hazardous waste, liquid

12. Containers
No. Type

001

TT

13. Total Quantity

4800

14. Unit Wt/Vol

G

15. Special Handling Instructions and Additional Information

Wear PPE
Emergency Contact
(510) 797-8511
Attn: Kirk Hayward

Handling Codes for Wastes Listed Above

11a.

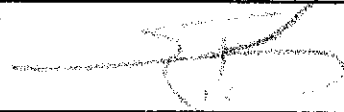
11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Naser Pakiou

Signature



Month Day Year

04 21 00

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Steven Ducharme

Signature



Month Day Year

04 21 00

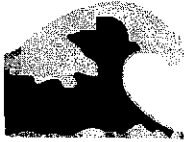
18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

Signature

Month Day Year



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407
800-499-3676 FAX 510-476-1786
CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading
Invoice # **26003**

Date 5-19-01

BILLING INFORMATION

JOB SITE

NAME <u>Smith</u>			NAME <u>Bayport Environmental</u>			PO #	CASH	CHECK
ADDRESS			ADDRESS <u>934211...</u>			CUSTOMER EPA ID #		
CITY	STATE	ZIP	CITY	STATE	ZIP	PROFILE #		
PHONE NO. ()			PHONE NO. ()			CUSTOMER ID NO.		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			26003	2500	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges				4	Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:	Collection Station	Industrial	Agriculture	Government	Marine	TOTAL
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------

<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Westam Ave; Union City, CA (510) 487-9277	
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980887418 (510) 795-4400		

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE [Signature]

GENERATOR SIGNATURE [Signature]



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407
 800-499-3676 FAX 510-476-1786
 CAR000007013 WE ACCEPT VISA & MASTERCARD

Bill of Lading
 Invoice # **25842**

Date 5-17-00

BILLING INFORMATION



JOB SITE

NAME <i>Soma Env Eng</i>	NAME <i>Emergency station #3</i>	PO #	CASH	CHECK
ADDRESS <i>2650 Bishop Dr. Suite 203</i>	ADDRESS <i>5853 Horton St</i>	CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	CITY <i>Emeryville CA</i>	STATE	STATE	ZIP
PHONE NO. <i>(925) 211-6100</i>	PHONE NO. <i>(510) 505-2320</i>	ZIP <i>94583</i>	ZIP <i>94608</i>	PROFILE # <i>302-104</i>
		CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>AM 5122102</i>	<i>5000</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:	Collection Station	Industrial	Agriculture	Government	Marine	TOTAL	
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------	--

<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 787-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 5853 Hwy 58 West; McKittrick, CA CAD980636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 875 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	
<input type="checkbox"/> DeMenno Kardoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 8880 Smith Ave; Newark, CA CAD980887418 (510) 785-4400		

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE *Frank D. [Signature]*

GENERATOR
SIGNATURE *Nora [Signature]*



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407
 800-499-3676 FAX 510-476-1786
 CAR000007013 WE ACCEPT VISA & MASTERCARD

Bill of Lading
Invoice # 25511

Date 5-11-00

BILLING INFORMATION



JOB SITE

NAME <i>Santa Env. Eng</i>			NAME <i>Emergency station #3</i>			PO #	CASH	CHECK
ADDRESS <i>2680 Bishop Dr Suite 203</i>			ADDRESS <i>5853 Horton St</i>			CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	STATE <i>CA</i>	ZIP <i>94583</i>	CITY <i>Emeryville CA</i>	STATE <i>CA</i>	ZIP <i>94608</i>	PROFILE # <i>307-104</i>		
PHONE NO. <i>(925) 244-6100</i>			PHONE NO. <i>(510) 595-7330</i>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>UH542101</i>	<i>5000</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY: Collection Station Industrial Agriculture Government Marine **TOTAL**

<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980887418 (510) 795-4400		

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE *[Signature]*

GENERATOR
SIGNATURE *[Signature]*



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **25851**

Date 5-19-00

BILLING INFORMATION

JOB SITE

NAME <i>Santa Env. Eng. Inc</i>			NAME <i>Emergency Station #3</i>			PO #	CASH	CHECK
ADDRESS <i>2180 Bishop Dr. Suite 203</i>			ADDRESS <i>5253 Horton St.</i>			CUSTOMER EPA ID #		
CITY <i>San Ramon CA</i>	STATE <i>CA</i>	ZIP <i>94583</i>	CITY <i>Emeryville CA</i>	STATE <i>CA</i>	ZIP <i>94609</i>	PROFILE # <i>302-104</i>		
PHONE NO. <i>(925) 241-6600</i>			PHONE NO. <i>(510) 495-2320</i>			CUSTOMER ID NO:		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<i>24 5192102</i>	<i>2100</i>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:	Collection Station	Industrial	Agriculture	Government	Marine	TOTAL	
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------	--

- | | | |
|--|--|--|
| <input type="checkbox"/> Alviso Independent Oil
5002 Archer Street, Alviso, CA
CAL000161743
(510) 797-8511 | <input type="checkbox"/> McKittrick Waste Treatment Site
56533 Hwy 58 West, McKittrick, CA
CAD980636831
(805) 762-7366 | <input type="checkbox"/> Solvent Services, dba Laidlaw
1021 Berryessa Road, San Jose, CA
CAD059494310
(408) 451-5000 |
| <input type="checkbox"/> AETS
1125 Hensley Street, Richmond, CA
CAT080022148
(510) 233-8001 | <input type="checkbox"/> Seaport Environmental
675 Seaport Blvd, Redwood City, CA
CAD000032058
(415) 364-8154 | <input type="checkbox"/> Commercial Filter Recycling
33210 Western Ave, Union City, CA
(510) 487-9277 |
| <input type="checkbox"/> DeMenno Kerdoon
2000 N. Alameda Blvd, Compton, CA
CAT080013352
(310) 571-3700 | <input type="checkbox"/> Evergreen Oil
6880 Smith Ave, Newark, CA
CAD980887418
(510) 795-4400 | |

NET 10 DAYS

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE *Steve Dushane*

GENERATOR SIGNATURE *[Signature]*



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407

800-499-3676 FAX 510-476-1786

CAR000007013 WE ACCEPT VISA & MASTERCARD



Bill of Lading

Invoice # **25850**

Date 5-19-00

BILLING INFORMATION

JOB SITE

NAME <u>3000 Env. Eng. Inc.</u>			NAME <u>Emergency Station #3</u>			PO #	CASH	CHECK
ADDRESS <u>2180 Bishop Dr Suite 213</u>			ADDRESS <u>5853 Hudson St</u>			CUSTOMER EPA ID #		
CITY <u>San Ramon CA</u>	STATE <u>CA</u>	ZIP <u>94583</u>	CITY <u>Emeryville CA</u>	STATE <u>CA</u>	ZIP <u>94608</u>	PROFILE # <u>307-1121</u>		
PHONE NO. <u>(925) 244-6600</u>			PHONE NO. <u>()</u>			CUSTOMER ID NO.		

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid			<u>MH 5172101</u>	<u>1000</u>	GAL.		
Non Hazardous Waste Solid					GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:

Collection Station	Industrial	Agriculture	Government	Marine	TOTAL
<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street, Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 58533 Hwy 58 West, McKittrick, CA CAD980636831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road, San Jose, CA CAD059494310 (408) 451-5000			NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street, Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd, Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave, Union City, CA (510) 487-9277			
<input type="checkbox"/> DeMenna Kerdoon 2000 N. Alameda Blvd, Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave, Newark, CA CAD980867418 (510) 795-4400				

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER
SIGNATURE Steve Dickerson

GENERATOR
SIGNATURE [Signature]



CLEARWATER

ENVIRONMENTAL MANAGEMENT, INC.

P.O. Box 2407 UNION CITY CA 94587-2407
 800-499-3676 FAX 510-476-1786
 CAR000007013 WE ACCEPT VISA & MASTERCARD

Bill of Lading
Invoice # 25841

Date 5-12-00

BILLING INFORMATION



JOB SITE

NAME <u>Senior Env. Eng.</u>	NAME <u>Empty Station #3</u>	PO #	CASH	CHECK
ADDRESS <u>2150 Bishop Dr Suite 213</u>	ADDRESS <u>5853 Horton St</u>	CUSTOMER EPA ID #		
CITY <u>San Ramon CA</u>	CITY <u>Emeryville CA</u>	STATE	STATE	PROFILE # <u>302-100</u>
PHONE NO. <u>(925) 711-1111</u>	PHONE NO. <u>(510) 505-2220</u>	ZIP	ZIP	CUSTOMER ID NO.

PRODUCT	PROPER SHIPPING DESCRIPTION	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used Oil, Non-RCRA Hazardous Waste, Liquid		221			GAL.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste, Liquid		134			GAL.		
Oily Water Non RCRA Hazardous Waste Liquid					GAL.		
Non RCRA Hazardous Waste Solid Oil Contaminated Debris					GAL.		
Waste Flammable Liquid, n.o.s. UN1993, PG III					GAL.		
Non Hazardous Waste Liquid					GAL.		
Non Hazardous Waste Solid				<u>5000</u>	GAL.		
Transportation Charges					Hours		
Washout Charges					Each		
Drained Used Oil Filters					Each		
Empty Drums					Each		
Additional Labor							
Pressure Washer							
Other:							

DISPOSAL/RECYCLING FACILITY:	Collection Station	Industrial	Agriculture	Government	Marine	TOTAL	
-------------------------------------	--------------------	------------	-------------	------------	--------	--------------	--

<input type="checkbox"/> Alviso Independent Oil 5002 Archer Street; Alviso, CA CAL000161743 (510) 797-8511	<input type="checkbox"/> McKittrick Waste Treatment Site 56533 Hwy 58 West; McKittrick, CA CAD980836831 (805) 762-7366	<input type="checkbox"/> Solvent Services, dba Laidlaw 1021 Berryessa Road; San Jose, CA CAD059494310 (408) 451-5000	NET 10 DAYS
<input type="checkbox"/> AETS 1125 Hensley Street; Richmond, CA CAT080022148 (510) 233-8001	<input type="checkbox"/> Seaport Environmental 675 Seaport Blvd; Redwood City, CA CAD000032058 (415) 364-8154	<input type="checkbox"/> Commercial Filter Recycling 33210 Western Ave; Union City, CA (510) 487-9277	
<input type="checkbox"/> DeMenno Kerdoon 2000 N. Alameda Blvd; Compton, CA CAT080013352 (310) 571-3700	<input type="checkbox"/> Evergreen Oil 6880 Smith Ave; Newark, CA CAD980867418 (510) 795-4400		

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of the waste. All relevant information regarding known or suspected hazards associated with the wastes has been disclosed. Clearwater transports all wastes to facilities which are properly permitted and licensed to accept these wastes.

DRIVER SIGNATURE [Signature]

GENERATOR SIGNATURE [Signature]

Appendix F

Independent Industrial Hygienist Report on Implementation of Risk Management Activities at EmeryStation II

The Denali Group

2255 Morello Ave., Suite 170
Pleasant Hill, CA 94523

Tel: (925) 602-2333
Fax: (925) 687-1258
Website: www.thedenaligroup.com

June 23, 2000

Mr. Mansour Sepehr, Ph.D., P.E.
SOMA ENVIRONMENTAL
2680 Bishop Drive
San Ramon, CA 94583

RE: WEBCOR, EMERYVILLE SITE - HEALTH AND SAFETY PLAN (HASP) COMPLIANCE

Dear Dr. Sepher:

Please find the attached Field Documentation Sheet reflecting our assessment of HASP compliance at the above referenced project site.

During the Site visit, our principal activities included a review of the HASP and amendments A, B and C, discussions with WEBCOR and SOMA safety personnel, review of SOMA field records, and logs, and observations of Dr. Naser Pakrou, SOMA's Site Safety Officer. We observed that Dr. Pakrou was diligent in 1) maintaining Site safety zone integrity, 2) monitoring worker use of appropriate personal protective equipment, 3) efficient and thorough monitoring and clearance of excavation pits (in order to maintain a good work pace), and 4) documenting site safety activities and work site environmental readings.

WEBCOR's construction activities under SOMA's direction were in complete compliance with OSHA's Hazardous Waste Operations Standard (29 CFR 1910.120) and the project specific Health and Safety Plan. In addition, general monitoring procedures by SOMA personnel and cooperation on the part of WEBCOR site management reflected the high standard of care normally expected from the industry.

Thank you for the opportunity to support your project. Please feel free to call me with any questions or comments.

Sincerely



Robert G. Kuykendall
Principal EH & S Specialist
Certified Hazardous Materials Manager No.7948

Field IH/Engr.: Robert Kuykendall

Project No. 7701

Job Description: Review field HASP observe site
Safety practices + compliance with HASP

Client: SOMA/WEBCOR

Location: Emeryville

Date: 5-19-2000

Page 1 of 1

Day 1 of 1 Activity: footing/beam tie-ins

Hazards:	Physical	Chemical
Chemical		volatile organic compounds in pile pit
Chemical	particulate - loading soil from stockpile to truck	

Affected Areas: soil stockpile + excavation pits

Engineering Controls:

Local Vent.:	Type	Flow Rate (CFM)
		ambient air flow was ~ 10 mph + satisfactory

Time (Hrs.) 7:30 - 8:55 am

Principal activity included review of HASP + amendments A, B, C. Discussion with SOM2 site safety representative; observation of work practices; air monitoring in excavation pits by SOMA personnel; adherence to exclusion zone, PPE requirements. Reviewed SOMA daily work log + records.

Dust Suppression: Type water truck

Iron workers + soil management personnel wore appropriate PPE.

Some personnel did good job of checking pits and clearing pits with iron work to protect.

Location(s): soil stock pile + truck loading area near watered from water truck.

Conclusions: Site safety practices were observed to be compliant with HASP. No changes recommended.

PPE: used + compliant

HF

PAPR

AL

Ray Tyndall + Tommy Sizemore (WEBCOR) + Nazari (SOMA) were debriefed before to left site.

Monitoring: observed use of PFD by

Real Time Data: SOMA personnel

Personal:

Perimeter:

Robert G. Kuykendall

Regulatory Stds: OSHA: compliant

EPA

Local: