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ENVIRONMENTAL
PROTECTION

July 20, 1998

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd floor
Alameda, CA 94502

Dear Ms. Hugo:

On behalf of our client, the Oliver Rubber Company (Oliver), please accept the attached Aqua Science Engineers, Inc. (ASE) Soil and Groundwater Assessment report detailing the plume definition downgradient of the former RAFFEX tank vault. Together with ASE's previous Soil and Groundwater Assessment report dated April 30, 1998, which details drilling and sampling activities primarily within the facility, it is our opinion that the site has been more than adequately characterized. Furthermore, we believe that the analytical results indicate that there appears to be no significant degree of soil or groundwater contamination at the site that would inhibit the development of the site on an unrestricted basis. ASE's only prerequisite to the site being developed for residential usage would be that the former RAFFEX tank vault and cover remain intact, as explained within the report in the conclusions and recommendations section. As requested, all of the subsurface pipes that were observed open during our meeting at the property several weeks ago have been completely filled with cement.

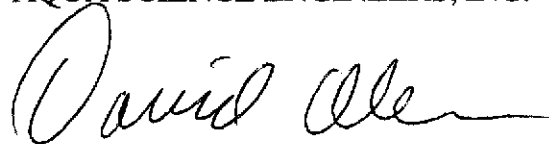
On behalf of Oliver, please accept this report as a formal request for case closure allowing the development of the property on an unrestricted basis which would include residential usage.

We will appreciate your expediting this case as you may recall that, during our meeting with Oliver Rubber, it was emphasized that the property has been sold and both Oliver and the new owner are anxious to proceed pending your letter.

Should you have any questions or comments, please feel free to give us a call at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



David Allen, R.E.A.
Senior Project Manager



cc: Mr. Dave Kuhre, Oliver Rubber Company
Mr. Tom Palmer, The Standard Products Company



July 20, 1998

ENVIRONMENTAL
PROTECTION
98 JUL 20 PM 3:29

REPORT
of
ADDITIONAL SOIL AND GROUNDWATER ASSESSMENT
ASE JOB NO. 3231
at
Oliver Rubber Company Plant I
1200 65th Street
Oakland, California

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583
(925) 820-9391

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1.0 INTRODUCTION

This report outlines the methods and findings of Aqua Science Engineers, Inc. (ASE)'s additional soil and groundwater assessment at the Oliver Rubber Company (Oliver) property located at 1200 65th Street in Oakland, California (Figures 1 and 2). The additional site assessment activities were conducted on behalf of Oliver as required by the Alameda County Health Care Services Agency (ACHCSA) to obtain case closure at the site.

2.0 SITE HISTORY

The site has been used since the 1950's primarily as a rubber tire tread manufacturing plant. Virgin materials were combined and processed using various mixing machines, milling machines, and conveyors. The rubber product was then either extruded into strip form or molded into tire treads at Oliver's Plant II across Vallejo Street. The entire floor of the production area is reportedly a minimum of 12-inches thick. In areas surrounding large milling machines, the concrete is reportedly up to 24 to 36-inches thick. The milling machines and conveyor system sat on pedestals above shallow concrete pits. A cooling water system was incorporated within the production area to keep the machines operating at controlled temperatures. This cooling water was then recycled and reused. Chemicals were added to the cooling water to reduce the levels of scaling in the cooling tower, to reduce algae, and to control the pH.

The compound of interest used during the production of the rubber for tire treads is a heavy petroleum hydrocarbon, much like liquid tar at elevated temperatures. The product most commonly used by Oliver was RAFFEX 120. The RAFFEX 120 was stored outside the plant in a subgrade concrete vault, which was heated with steam to maintain the liquid consistency of the product. The RAFFEX was then pumped inside the building to the process area. Zinc Stearate was also used during the extrusion of the rubber product to inhibit the product from adhering to itself as it was stacked onto pallets. Various lubricating oils and greases were used in the milling and mixing machines. Spent lubricating oils and greases were drummed, profiled, and shipped off-site for recycling. Safety solvent cleaning stations were used at the facility during maintenance activities.

Beginning in January 1998 and completed during the week of March 16, 1998, the plant was decommissioned and cleaned by Mid-American Machine, Inc. and DECON Environmental Services, respectively. All plant manufacturing equipment was removed and either shipped to various Oliver plants on the east coast or scrapped as metal salvage. Pressure

washing liquids used to clean the building were collected and disposed of off-site. The scope of work for this plant closure was discussed and agreed upon by members of Oliver staff and Mr. Amir Gholami of the ACHCSA during his visit to the plant on November 20, 1997.

As the decommissioning and cleaning processes were taking place, ASE was on-site to inspect for potential integrity failures in the concrete floor and pits. Pits without obvious cracks were filled with concrete. Pits that had exit pipes or cracks near the edges of the pit were earmarked for future assessment activities to be conducted adjacent to the pits.

In April 1998, nine (9) soil borings were drilled inside the building to depths ranging from 2.5-feet below ground surface (bgs) to 6-feet bgs. Selected soil samples were analyzed for RAFFEX, oil & grease (O&G), and zinc. Low levels of RAFFEX were identified in the soil samples ranging from 3.1 parts per million (ppm) to 40 ppm. 260 ppm O&G was identified in one soil boring; O&G was not detected in the remaining borings at concentrations greater than the detection limit. 18 ppm zinc was identified in the only soil boring for which zinc was analyzed. Three (3) soil borings were drilled outside the building in respect to the former RAFFEX tank vault. One of these borings (BH-10) was drilled to 3-feet bgs near the piping manifold; only 7.5 ppm RAFFEX was identified in this soil sample. The other two borings were drilled outside approximately 8-feet west (downgradient) of the former vault (BH-11 & BH-12), near the railroad tracks/spurs. These borings were drilled to a total depth of approximately 12-feet bgs in order to collect grab groundwater samples. Soil samples collected from these two borings contained 74 ppm and 20 ppm RAFFEX. The grab groundwater samples contained 1.2 ppm and 4.6 ppm RAFFEX in the water. Analytical results from these previous investigations are tabulated in Tables One through Three. Complete details of the pit inspections and sampling activities conducted in April 1998 can be found in the ASE report titled "Report of Soil and Groundwater Assessment, ASE Job No. 3231," dated April 30, 1998. Due to the elevated concentrations of RAFFEX in the groundwater, Ms. Susan Hugo of the ACHCSA stated in a telephone conversation that the RAFFEX contamination would need to be delineated before closure could be considered. The following scope of work was designed to delineate the extent of RAFFEX in soil and groundwater downgradient of the former RAFFEX tank vault.

O&G = 260 ppm
RAFFEX = 3.1 to 40 ppm
Zinc = 18 ppm

↑ 74 ppm RAFFEX in soil
↑ 4.6 ppm RAFFEX in GW

3.0 SCOPE OF WORK (SOW)

The scope of work conducted during this assessment was presented in ASE's June 25, 1998 *Workplan for a Soil and Groundwater Assessment at Oliver Rubber Company Plant I, 1200 65th Street, Oakland, California* and was to:

- 1) Prepare a workplan for approval by the ACHCSA.
- 2) Obtain a drilling permit from the Alameda County Public Works Agency (ACPWA).
- 3) Drill five (5) soil borings at the site with a Geoprobe drill rig. Collect soil samples continuously and screen the soil samples for volatile compounds with an organic vapor meter (OVM).
- 4) Collect groundwater samples from each boring.
- 5) Analyze one soil sample from each boring, as well as the groundwater sample collected from each boring, at a CAL-EPA certified analytical laboratory for total petroleum hydrocarbons (TPH) as RAFFEX by modified EPA Method 8015, volatile organic compounds (VOCs) by EPA Method 8240 and semi-volatile organic compounds (SVOCs) by EPA Method 8270.
- 6) Backfill the borings with neat cement.
- 7) Prepare a report outlining the methods and findings of this assessment.

Details of the assessment are presented below.

4.0 DRILL SOIL BORINGS AND COLLECT SAMPLES

Prior to drilling, ASE obtained drilling permit #98WR262 from ACPWA. A copy of this permit is presented in Appendix A.

On July 1, 1998, Vironex Environmental Field Services of Hayward, California drilled soil borings BH-13 through BH-17 at the site using a Geoprobe hydraulic sampling rig (Figure 2). These locations were chosen by ASE to delineate the downgradient extent of RAFFEX impacted soil and groundwater. The drilling was directed by ASE senior project manager David Allen and ASE senior geologist Robert E. Kitay, R.G.

Undisturbed soil samples were collected continuously as drilling progressed for lithologic and hydrogeologic description and for possible chemical analysis. The samples were collected by driving a sampler lined with acetate tubes using hydraulic direct push methods. Selective soil samples were immediately trimmed, sealed with Teflon tape, plastic end caps and duct tape, labeled, sealed in plastic bags and stored on ice for transport to Chromalab, Inc. of Pleasanton, California (ELAP #1094) under chain of custody. Soil from the remaining tubes was described by the site geologist using the Unified Soil Classification System and was screened for volatile compounds using an Organic Vapor Meter (OVM). During the drilling of boring BH-15, an acetate tube was crushed into the sampler and could not be removed. For this reason, soil samples could not be collected during the remainder of the drilling project. Therefore, no soil samples were collected from either borings BH-16 or BH-17. In addition, since borings BH-13, BH-14 and BH-15 had to be advanced deeper than the initial stopping point in these borings in order to obtain the required volume of groundwater for analysis, soil samples could not be collected from the deeper portions of these borings.

A temporary PVC well casing was driven into place in each boring for the collection of groundwater samples. Groundwater samples were removed from the borings using a peristaltic pump. The groundwater samples were contained in 40-ml volatile organic analysis (VOA) vials (pre-preserved with hydrochloric acid) without headspace and unpreserved 1-liter amber glass containers. The samples were labeled, placed in protective foam sleeves, and stored in coolers with wet ice for transport to Chromalab under appropriate chain of custody documentation. A sufficient volume of water could not be collected from borings BH-13 and BH-17 on July 1, 1998 for the required analyses, therefore, ASE senior project manager David Allen returned to the site on July 2, 1998 to complete the groundwater sampling from these borings. Upon completion of the soil and groundwater sampling, the borings were backfilled with neat cement to the ground surface.

Drilling equipment was cleaned with a TSP solution between sampling intervals and between borings to prevent potential cross-contamination.

5.0 HYDROGEOLOGY

Boring logs for borings BH-13, BH-14 and BH-15 are presented in Appendix B. As stated in the previous section, only limited soil sampling could be accomplished during this assessment. However, although sediments appeared to be wet at 4-foot bgs in boring BH-13, the sediments

were not sufficiently permeable to produce water until a depth of 20-feet bgs was reached. In borings BH-14 and BH-15, groundwater did not appear to be encountered until 15.5-feet bgs, after which it rose to 5-feet bgs. It appears that the groundwater encountered in borings BH-13, BH-14 and BH-15 was under semi-confined conditions. Since soil sampling was not possible in borings BH-16 and BH-17, it is not known whether these conditions existed in borings BH-16 and BH-17; however, groundwater was encountered in borings BH-11 and BH-12 during the April 8, 1998 sampling period at approximately 4 - 6 feet where it essentially stabilized, indicating non-confined conditions. In addition, the lithology of sediments encountered in borings BH-11 and BH-12 were generally more permeable than those encountered in borings BH-13, BH-14 and BH-15. For these reasons, there appears to be a hydrogeologic barrier between the vicinity of borings BH-11 and BH-12 and the vicinity of borings BH-13, BH-14 and BH-15, which is likely impeding groundwater flow to the west downgradient of the site.

6.0 ANALYTICAL RESULTS FOR SOIL

The soil sample collected from what appeared to be the capillary zone in each boring (3.5-feet bgs in boring BH-13, 15.5-feet bgs in boring BH-14 and 15.0-feet bgs in boring BH-15) was analyzed by Chromalab for TPH as RAFFEX by modified EPA Method 8015, VOCs by EPA Method 8240 and SVOCs by EPA Method 8270. The analytical results are tabulated in Table Four, and the certified analytical report and chain of custody documentation are included in Appendix C.

56 ppm and 1.8 ppm TPH RAFFEX were detected in soil samples collected from 3.5-feet bgs in boring BH-13 and 15.0-feet bgs in boring BH-15, respectively. The only VOC detected in any of the soil samples was 0.0076 ppm 1,1-dichloroethene in the soil sample collected from 15.5-feet bgs in boring BH-14. No other VOCs were detected in any of the soil samples analyzed. No SVOCs were detected in any of the soil samples analyzed.

7.0 ANALYTICAL RESULTS FOR GROUNDWATER

The groundwater samples were analyzed by Chromalab for TPH RAFFEX by modified EPA Method 8015, VOCs by EPA Method 8240 and SVOCs by EPA Method 8270. The analytical results are tabulated in Tables Five, Six and Seven, and the certified analytical report and chain of custody documentation are included in Appendix C.

TPH-RAFFEX was detected in groundwater samples collected from borings BH-13 through BH-16 at concentrations ranging from 63 ppb to 270 ppb. The highest of these concentrations were in groundwater samples collected from borings BH-13 and BH-14 at 140 ppb and 270 ppb, respectively. Phenol was detected at 11 ppb and 3.7 ppb in groundwater samples collected from borings BH-13 and BH-15, respectively. Phenol was not detected in the other groundwater samples, and no other SVOCs were detected in groundwater samples collected from any of the borings. Toluene was detected in groundwater samples collected from borings BH-13, BH-14, BH-16 and BH-17 at concentrations ranging from 0.66 ppb to 1.3 ppb. 0.56 ppb benzene was detected in groundwater samples collected from boring BH-17. 1,1-dichloroethane, 1,1-dichloroethene, and 1,1,1-trichloroethane were detected at groundwater samples collected from boring BH-14 at concentrations ranging from 0.63 ppb to 3.2 ppb. No other VOCs were detected in any of the borings. No VOCs were detected in groundwater samples collected from boring BH-15.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The only VOC concentration detected in the soil during this assessment was 0.0076 ppm 1,1-dichloroethene in the soil sample collected from 15.5-foot bgs in boring BH-14. This concentration is below the United States Environmental Protection Agency (US EPA) preliminary remediation goal (PRG) for residential soil. No other VOCs were detected in any of the soil samples analyzed, and no SVOCs were detected in any of the soil samples analyzed.

Only very low concentrations of VOCs, below California Department of Toxic Substances Control (DTSC) maximum contaminant levels (MCLs) for drinking water, were detected in the groundwater samples collected during this assessment. The highest phenol concentration was 11 ppb which exceeds the DTSC recommended action level of 5 ppb. However, the DTSC MCL is based on an odor and taste threshold in chlorinated tap water systems, not risk to human health. The US EPA health advisory concentration for phenol in drinking water is 4,000 ppb, which is well above the highest concentration of phenol detected during this assessment.

Based on these results, the concentrations of RAFFEX, VOCs, and SVOCs detected during this assessment would not appear to present a threat to human health. In addition, since the TPH-RAFFEX concentrations decreased from 4,600 ppb in groundwater samples collected from boring BH-12 to 270 ppb in groundwater samples collected from boring BH-14 just 30-feet away in the downgradient direction, the extent of RAFFEX in

groundwater appears to be limited and would not be expected to migrate far off-site.

ASE further concludes/recommends the following:

- No further assessment activities are warranted at the site for either plume definition or plant closure activities.
- Based on the analytical results collected during the various assessments at this site both inside the building related to the inspection and assessment of the various pits and outside related to the assessment of the RAFFEX tank vault and underground piping, it appears that the subsurface soil has not been impacted by significant levels of TPH-RAFFEX, VOCs, Semi-VOCs or zinc .
- Elevated concentrations of TPH-RAFFEX were only identified in a small area of the property in the location of the former RAFFEX tank vault; levels of TPH-RAFFEX dropped dramatically downgradient of the vault.
- Should it become necessary to excavate in the area of the former RAFFEX tank vault for development purposes (beneath and including the 40' by 20' concrete cover as shown on Figure 2), ASE recommends the preparation of a risk management prevention plan which will identify safe working procedures for field personnel, and detail material handling procedures. If the concrete vault is disturbed during construction and/or development activities, some form of remediation such as soil excavation and/or groundwater removal may be necessary.

ASE recommends that this case be closed. Provided the integrity of the concrete surfaces of the vault and its cover remain intact, the site appears to be suitable for development without any usage restrictions.

9.0 REPORT LIMITATIONS

The results of this assessment represent conditions at the time of the soil and groundwater sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

This report does not fully characterize the site for contamination resulting from unknown sources or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity provide environmental consulting services for this project. Should you have any questions or comments, please feel free to call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.



David Allen, R.E.A.
Senior Project Manager



Robert E. Kitay, R.G., R.E.A.
Senior Geologist

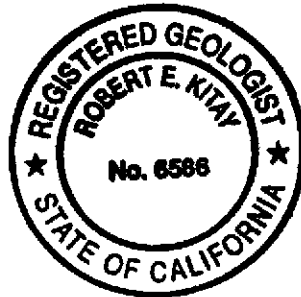


TABLE ONE
 Soil Analytical Results
 TPH-RAFFEX
 Soil Samples Collected March 11 and April 8, 1998
 All results are in **parts per million**

SAMPLE ID.	MATRIX	TPH RAFFEX
GRAB-A @ 3.5'	SOIL	380
TRENCH-A	SOIL	3.8
TRENCH-B	SOIL	35
TRENCH-C	SOIL	9.6
EPA METHOD	---	8015M

Notes: Detectable concentrations are in **bold**

TABLE TWO
 Soil Analytical Results
 TPH-RAFFEX, Oil & Grease, Zinc, and VOCs
 Soil Borings Drilled April 8, 1998
 All results are in **parts per million**

SAMPLE ID.	TPH RAFFEX	OIL & GREASE	ZINC	All VOCs
BH-1 @ 3'	10	<50	18	<5.0 - <50
BH-2 @ 2.5'	6.4	<50	---	<5.0 - <50
BH-3 @ 3'	3.1	<50	---	<5.0 - <50
BH-4 @ 2'	40	<50	---	<5.0 - <50
BH-5 @ 5'	36	<50	---	<5.0 - <50
BH-6 @ 6'	10	<50	---	<5.0 - <50
BH-7 @ 5.5'	4.7	<50	---	<5.0 - <50
BH-8 @ 4'	14	260	---	<5.0 - <50
BH-9 @ 4'	5.1	<50	---	<5.0 - <50
BH-10 @ 3'	7.5	---	---	<5.0 - <50
BH-11 @ 6'	74	---	---	<5.0 - <50
BH-12 @ 5.5'	20	---	---	<5.0 - <50
EPA METHOD	8015M	5520 EF	6010	8010

Notes: Detectable concentrations are in **bold**.
 Non-detectable concentrations are noted by the less than sign (<) followed by the laboratory detection limit.

TABLE THREE
 Groundwater Analytical Results
 TPH-RAFFEX
 Soil Borings Drilled April 8, 1998
 All results are in **parts per million**

SAMPLE ID.	LOCATION	TPH RAFFEX
GRAB-A	INSIDE VAULT	8
GRAB-B	INSIDE VAULT	28
BH-11	DOWNGRAIENT OF VAULT	1.2
BH-12	DOWNGRAIENT OF VAULT	4.6
EPA METHOD	---	8015M

Note: Detectable concentrations are in **bold**

TABLE FOUR
 Soil Analytical Results
 TPH-Raffex, VOCs & Semi-VOCs
 Soil Borings Drilled July 1, 1998
 All results are in **parts per million**

SAMPLE ID.	TPH RAFFEX	1,1-DICHLOROETHENE	REMAINING VOLATILE ORGANIC COMPOUNDS	ALL SEMI-VOLATILE ORGANIC COMPOUNDS
BH-13 @ 3.5'	56	< 0.005	< 0.005 - < 0.050	< 0.10 - < 0.50
BH-14 @ 15.5'	< 1.0	0.0076	< 0.005 - < 0.050	< 0.10 - < 0.50
BH-15 @ 15.0'	1.8	< 0.005	< 0.005 - < 0.050	< 0.10 - < 0.50
EPA METHOD	8015M	8240	8240	8270

Notes: Detectable concentrations are in **bold**.
 Non-detectable concentrations are noted by the less than sign (<) followed by the laboratory detection limit.

TABLE FIVE
 Groundwater Analytical Results
 TPH-RAFFEX
 Soil Borings Drilled July 1, 1998
 All results are in **parts per billion**

SAMPLE ID.	TPH RAFFEX
-----	-----
BH-13 WATER	140
BH-14 WATER	270
BH-15 WATER	96
BH-16 WATER	63
BH-17 WATER	<50
EPA METHOD	8015M

Note: Detectable concentrations are in **bold**.
 Non-detectable concentrations are noted by the less than sign (<) followed by the laboratory detection limit.

TABLE SIX
 Groundwater Analytical Results
 Semi-Volatile Organic Compounds
 Soil Borings Drilled July 1, 1998
 All results are in **parts per billion**

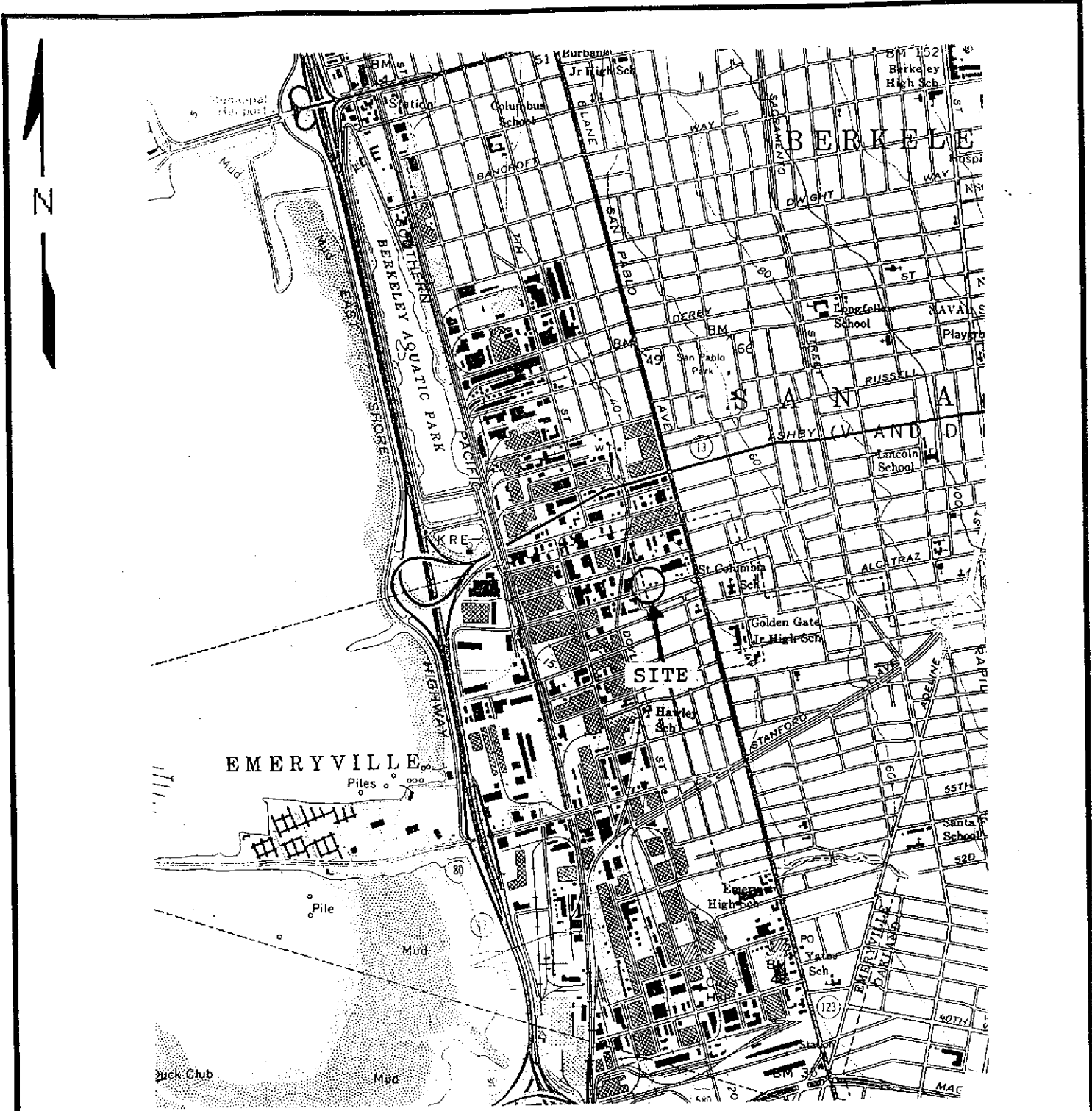
SAMPLE ID.	PHENOL	REMAINING SEMI-VOLATILE ORGANIC COMPOUNDS
-----	-----	-----
BH-13 WATER	11	< 2.0 - < 10.0
BH-14 WATER	< 3.3	< 3.3 - < 17.0
BH-15 WATER	3.7	< 2.0 - < 10.0
BH-16 WATER	< 2.5	< 2.5 - < 12.0
BH-17 WATER	< 2.0	< 2.0 - < 10.0
EPA METHOD	8270	8270

Notes: Detectable concentrations are in **bold**.
 Non-detectable concentrations are noted by the less than sign (<) followed by the laboratory detection limit.

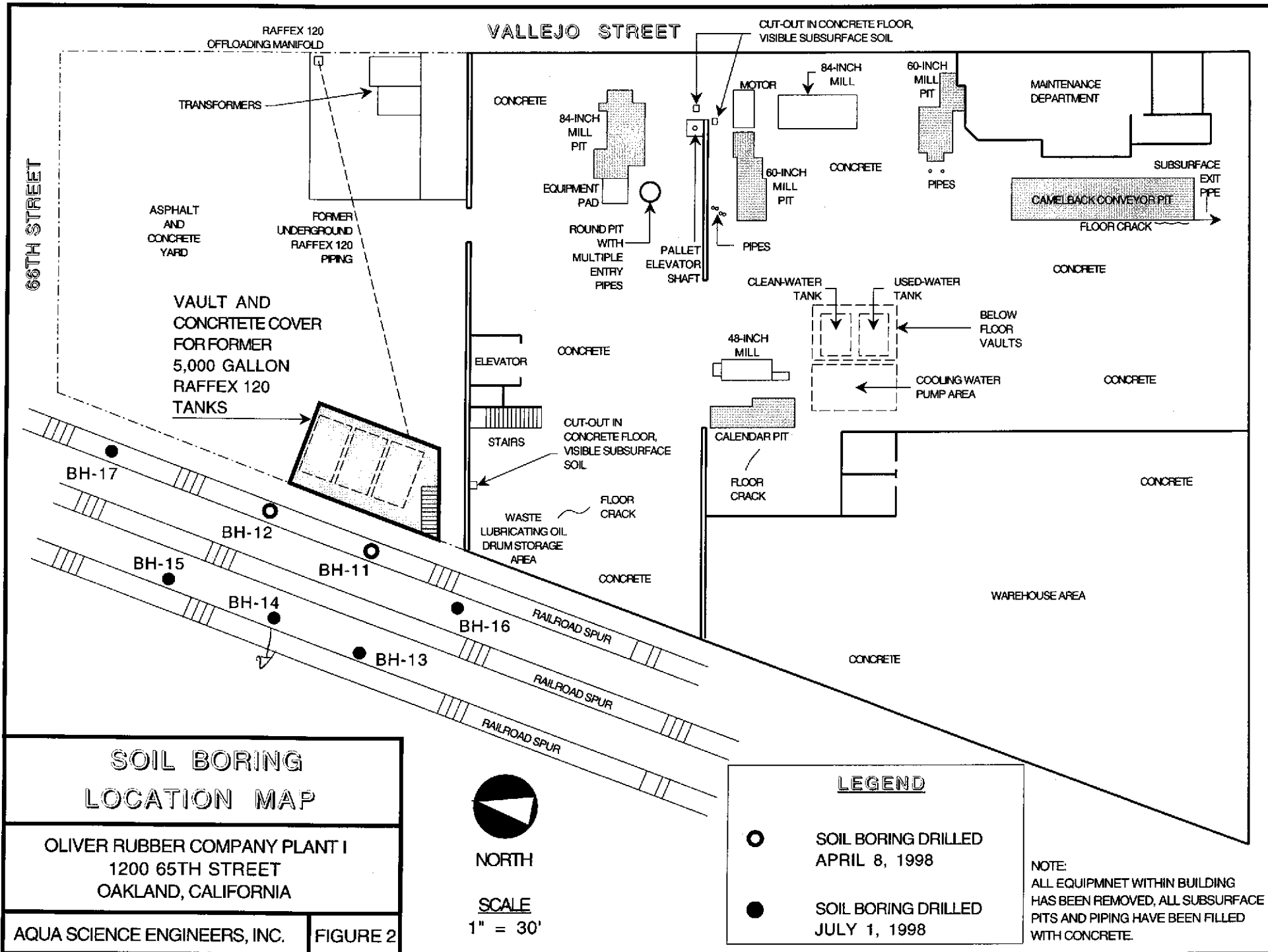
TABLE SEVEN
Groundwater Analytical Results
Volatile Organic Compounds
Soil Borings Drilled July 1, 1998
All results are in parts per billion

SAMPLE ID.	BENZENE	TOLUENE	1,1-DCA	1,1-DCE	1,1,1-TCA	REMAINING VOLATILE ORGANIC COMPOUNDS
-----	-----	-----	-----	-----	-----	-----
BH-13 WATER	<0.5	0.66	<0.5	<0.5	<0.5	<0.5 - <50.0
BH-14 WATER	<0.5	0.68	0.63	3.2	0.90	<0.5 - <50.0
BH-15 WATER	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 - <50.0
BH-16 WATER	<0.5	1.3	<0.5	<0.5	<0.5	<0.5 - <50.0
BH-17 WATER	0.56	1.0	<0.5	<0.5	<0.5	<0.5 - <50.0
EPA METHOD	8240	8240	8240	8240	8240	8240

Notes: Detectable concentrations are in **bold**.
Non-detectable concentrations are noted by the less than sign (<) followed by the laboratory detection limit.
1,1-DCA is 1,1-Dichloroethane.
1,1-DCE is 1,1-Dichloroethene.
1,1,1-TCA is 1,1,1-Trichloroethane.



SITE LOCATION MAP	
OLIVER RUBBER COMPANY PLANT I 1200 65TH STREET OAKLAND, CALIFORNIA	
Aqua Science Engineers	Figure 1



**SOIL BORING
LOCATION MAP**

OLIVER RUBBER COMPANY PLANT I
1200 65TH STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. FIGURE 2



NORTH

SCALE
1" = 30'

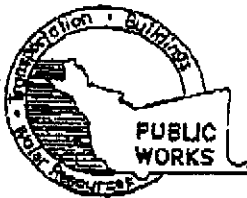
LEGEND

- SOIL BORING DRILLED
APRIL 8, 1998
- SOIL BORING DRILLED
JULY 1, 1998

NOTE:
ALL EQUIPMENT WITHIN BUILDING
HAS BEEN REMOVED, ALL SUBSURFACE
PITS AND PIPING HAVE BEEN FILLED
WITH CONCRETE.

APPENDIX A

Drilling Permit



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

251 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-3375 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5146 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT OLIVER RUBBER CO.
1200 65th St.
OAKLAND CA 94608

PERMIT NUMBER 98WR262
WELL NUMBER _____
APN _____

California Coordinates Source _____ ft. Accuracy ± _____ ft.
CCN _____ n. CCE _____ ft.
APN _____

PERMIT CONDITIONS

Cited Permit Requirements Apply

CLIENT

Name OLIVER RUBBER COMPANY
Address 1200 65th St. Phone 654-7716
City OAKLAND Zip 94608

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT

Name Agua Science Engineers Inc.
Attn: David Allen Fax 925-939-4853
Address 4111 Old Crow Canyon Rd WY Phone 337-820-7371
City San Ramon, CA Zip 94583

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input checked="" type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input type="checkbox"/>

C. GROUND WATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

D. GEOTECHNICAL

Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. [In areas of known or suspected contamination, tremie cement grout shall be used in place of compacted cuttings.]

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	<u>Auger</u>	

E. CATHODIC

Fill hole above anode zone with concrete placed by tremie.

DRILLER'S LICENSE NO. 057 720904

F. WELL DESTRUCTION

See attached.

WELL PROJECTS

Drill Hole Diameter _____ in.	Maximum _____
Casing Diameter _____ in.	Depth _____ ft.
Surface Seal Depth _____ ft.	Number _____

G. SPECIAL CONDITIONS

GEOTECHNICAL PROJECTS

Number of Springs _____	Maximum _____
Hole Diameter _____ in.	Depth _____ ft.

ESTIMATED STARTING DATE 7-7-98

ESTIMATED COMPLETION DATE 7-7-98

APPROVED _____

DATE 6/29/98

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE

David E. Kelley DATE 6-26-98

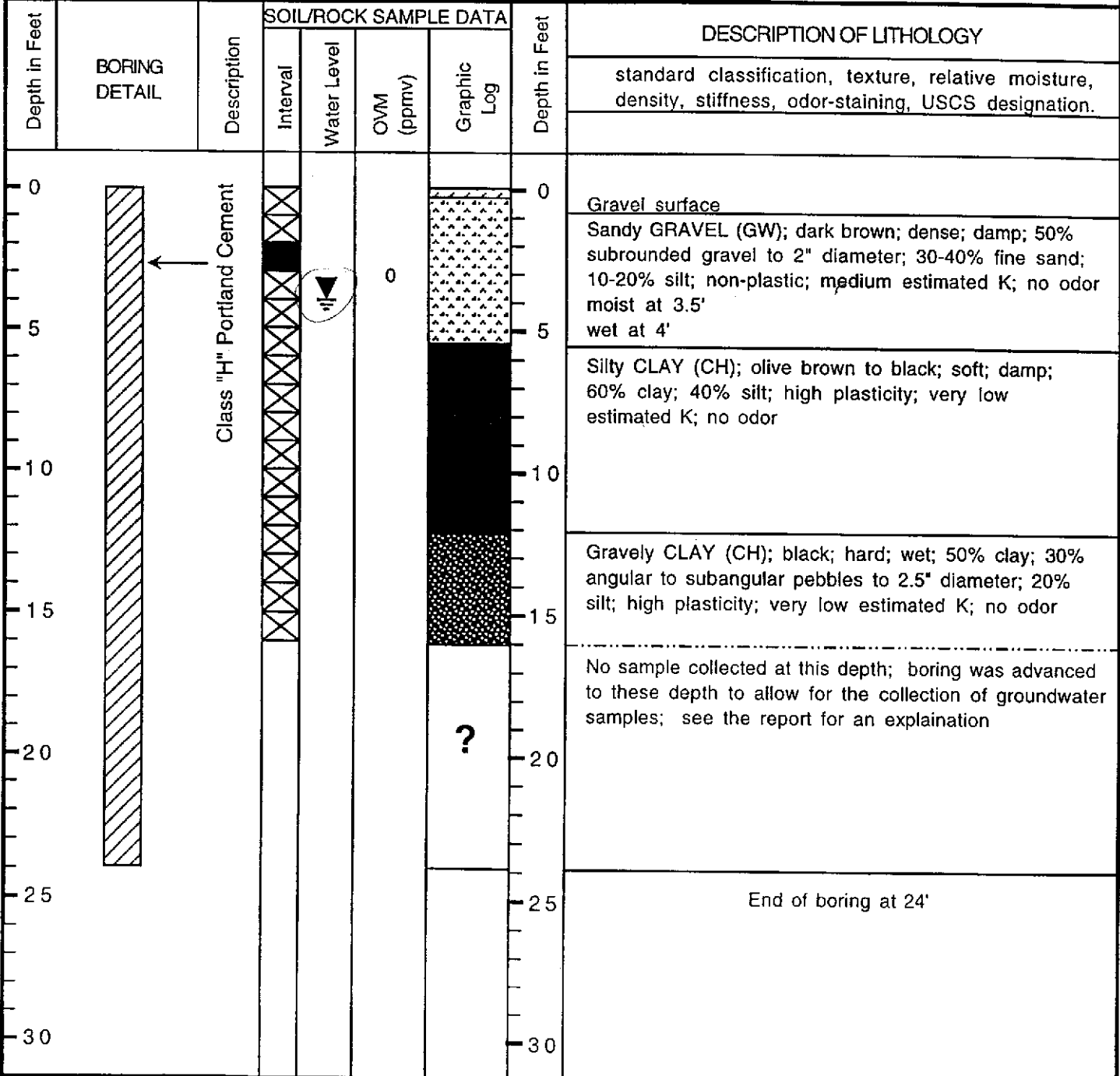
APPENDIX B

Boring Logs

SOIL BORING LOG AND COMPLETION DETAILS	Boring BH-13
---	--------------

Project Name: Oliver Rubber	Project Location: 1200 65th Street, Oakland, CA	Page 1 of 1
Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter Direct Push
Logged By: Robert E. Kitay, R.G.	Date Drilled: July 1, 1998	Checked By: Robert E. Kitay, R.G.

WATER AND WELL DATA	Total Depth of Well Completed: NA
Depth of Water First Encountered: 4.0'	Well Screen Type and Diameter: NA
Static Depth of Water in Boring: 4.0'	Well Screen Slot Size: NA
Total Depth of Boring: 24'	Type and Size of Soil Sampler: 2.0" I.D. Macrocore Sampler






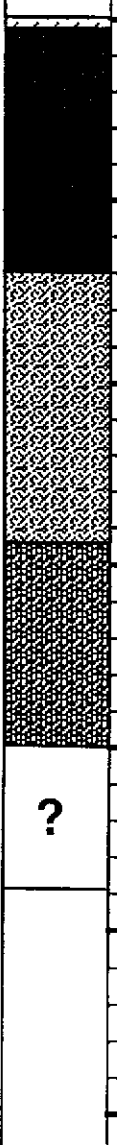
SOIL BORING LOG AND COMPLETION DETAILS	Boring BH-14
---	--------------

Project Name: Oliver Rubber	Project Location: 1200 65th Street, Oakland, CA	Page 1 of 1
-----------------------------	---	-------------

Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter Direct Push
------------------	-----------------------	--

Logged By: Robert E. Kitay, R.G.	Date Drilled: July 1, 1998	Checked By: Robert E. Kitay, R.G.
----------------------------------	----------------------------	-----------------------------------

WATER AND WELL DATA	Total Depth of Well Completed: NA
Depth of Water First Encountered: 15.5'	Well Screen Type and Diameter: NA
Static Depth of Water in Boring: 4.0'	Well Screen Slot Size: NA
Total Depth of Boring: 24'	Type and Size of Soil Sampler: 2.0" I.D. Macrocore Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Water Level	OMV (ppmv)	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0	 Class "H" Portland Cement		 4.0'	0		0	Gravel surface	
5			0	0		5	Silty CLAY (CH); dark brown; stiff; damp; 80% clay; 20% silt; high plasticity; very low estimated K; no odor	
10			0	0		10	Sandy SILT (ML); grey; dense; damp; 50% silt; 40% coarse sand; 10% clay; non-plastic; low estimated K; no odor	
15			0	0		15	Clayey SILT (MH); yellow brown; soft; wet; 70% silt; 20% clay; 10% fine to coarse sand; high plasticity; low estimated K; no odor rare angular to subangular pebbles to 1" diameter below 17'	
20			0	0		20	No sample collected at this depth; boring was advanced to these depth to allow for the collection of groundwater samples; see the report for an explanation	
25				25	25	End of boring at 24'		
30				30	30			

SOIL BORING LOG AND COMPLETION DETAILS	Boring BH-15
---	--------------

Project Name: Oliver Rubber	Project Location: 1200 65th Street, Oakland, CA	Page 1 of 1
-----------------------------	---	-------------

Driller: Vironex	Type of Rig: Geoprobe	Size of Drill: 2.0" Diameter Direct Push
------------------	-----------------------	--

Logged By: Robert E. Kitay, R.G.	Date Drilled: July 1, 1998	Checked By: Robert E. Kitay, R.G.
----------------------------------	----------------------------	-----------------------------------

WATER AND WELL DATA	Total Depth of Well Completed: NA
Depth of Water First Encountered: 15.5'	Well Screen Type and Diameter: NA
Static Depth of Water in Boring: 4.0'	Well Screen Slot Size: NA
Total Depth of Boring: 24'	Type and Size of Soil Sampler: 2.0" I.D. Macrocore Sampler

Depth in Feet	BORING DETAIL	Description	SOIL/ROCK SAMPLE DATA				Depth in Feet	DESCRIPTION OF LITHOLOGY
			Interval	Water Level	OVM (ppmv)	Graphic Log		standard classification, texture, relative moisture, density, stiffness, odor-staining, USCS designation.
0		Class "H" Portland Cement	X		0	█	0	Asphalt
5			X		0	█	5	Silty CLAY (CH); dark brown; stiff; damp; 75% clay; 25% silt; high plasticity; very low estimated K; no odor
10			X		0	█	10	Sandy SILT (ML); grey; dense; moist; 50% silt; 40% fine to coarse sand; 10% clay; non-plastic; low estimated K; no odor
15			█		0	█	15	Clayey SILT (MH); yellow brown; medium dense; damp; 20% clay; 10% angular to subangular coarse sand (predominately milky quartz); high plasticity; low estimated K; no odor
20			█		0	█	20	moist at 15' wet at 15.5'
25			█		0	█	25	No sample collected at this depth; boring was advanced to these depth to allow for the collection of groundwater samples; see the report for an explanation
30			█		0	█	30	End of boring at 24'

APPENDIX C

Certified Analytical Report
and
Chain of Custody Documentation

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-13,3.5'

Spl#: 194068

Sampled: July 1, 1998

Matrix: SOIL


Run#:13635


Extracted: July 7, 1998

Analyzed: July 8, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
RAFFEX	56	1.0	N.D.	86.3	1

Note: Quantitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Bruce Havlik
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-14,15.5'

Spl#: 194069


Sampled: July 1, 1998

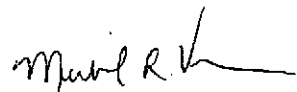
Matrix: SOIL
Run#:13635

Extracted: July 7, 1998
Analyzed: July 8, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTIO</u> <u>FACTOR</u>
RAFFEX	N.D.	1.0	N.D.	86.3	1

Note: Quantitation based on a one point RAFFEX reference standard.


Bruce Havlik
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-15,15.0'

Spl#: 194070

Matrix: SOIL

Extracted: July 7, 1998


Sampled: July 1, 1998


Run#:13635

Analyzed: July 7, 1998

<u>ANALYTE</u>	<u>RESULT</u> (mg/Kg)	<u>REPORTING</u> <u>LIMIT</u> (mg/Kg)	<u>BLANK</u> <u>RESULT</u> (mg/Kg)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
RAFFEX	1.8	1.0	N.D.	86.3	1

Note: Quatitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Bruce Havlik
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-13,3.5'

Spl#: 194068

Matrix: SOIL

Sampled: July 1, 1998

Run#: 13637

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	106	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
2-BUTANONE (MEK)	N.D.	100	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	110	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	79.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	109	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	103	1
TRICHLOROFUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

Note: Surrogate & Internal Std. were outside QA. Results due to Matrix interference. Results bias high.

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-13,3.5'

Spl#: 194068

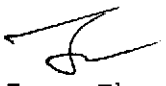
Matrix: SOIL

Sampled: July 1, 1998

Run#: 13637

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
---------	-------------------	-------------------------------	----------------------------	-----------------------	--------------------


June Zhao
Analyst


for
Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-14,15.5'

Spl#: 194069

Matrix: SOIL

Sampled: July 1, 1998

Run#: 13637

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	106	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
2-BUTANONE (MEK)	N.D.	100	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	110	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLEETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	7.6	5.0	N.D.	79.7	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	109	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	103	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-14,15.5'

Spl#: 194069


Matrix: SOIL


Sampled: July 1, 1998

Run#: 13637

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK DILUTION SPIKE FACTOR (%)
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June Zhao
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-15,15.0'

Spl#: 194070

Matrix: SOIL

Sampled: July 1, 1998

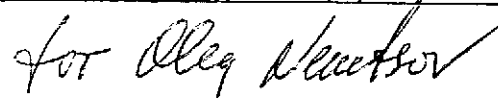
Run#: 13637

Analyzed: July 6, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/Kg)	<u>REPORTING</u> <u>LIMIT</u> (ug/Kg)	<u>BLANK</u> <u>RESULT</u> (ug/Kg)	<u>BLANK DILUTION</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
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June Zhao
Analyst



Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 7, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 METHOD 8240A Nov 1990

Client Sample ID: BH-15,15.0'

Spl#: 194070

Matrix: SOIL

Sampled: July 1, 1998

Run#: 13637

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	106	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
2-BUTANONE (MEK)	N.D.	100	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	110	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	109	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	103	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-13,3.5'

Spl#: 194068

Sampled: July 1, 1998

Matrix: SOIL

Run#: 13646

Extracted: July 7, 1998

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
PHENOL	N.D.	0.10	N.D.	71.0	1
BIS (2-CHLOROETHYL) ETHER	N.D.	0.10	N.D.	--	1
2-CHLOROPHENOL	N.D.	0.10	N.D.	72.5	1
1,3-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.10	N.D.	84.4	1
BENZYL ALCOHOL	N.D.	0.20	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
2-METHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	0.10	N.D.	--	1
4-METHYLPHENOL	N.D.	0.20	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.10	N.D.	93.7	1
HEXACHLOROETHANE	N.D.	0.10	N.D.	--	1
NITROBENZENE	N.D.	0.10	N.D.	--	1
ISOPHORONE	N.D.	0.10	N.D.	--	1
2-NITROPHENOL	N.D.	0.10	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	0.10	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.10	N.D.	--	1
NAPHTHALENE	N.D.	0.10	N.D.	83.9	1
4-CHLOROANILINE	N.D.	0.20	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	0.10	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.20	N.D.	--	1
2-METHYLNAPHTHALENE	N.D.	0.10	N.D.	78.0	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.10	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	0.10	N.D.	--	1
2-NITROANILINE	N.D.	0.50	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	0.10	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
3-NITROANILINE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	--	1
2,4-DINITROPHENOL	N.D.	0.50	N.D.	87.0	1
4-NITROPHENOL	N.D.	0.50	N.D.	--	1
DIBENZOFURAN	N.D.	0.10	N.D.	63.5	1
2,4-DINITROTOLUENE	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.20	N.D.	77.8	1
DIETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-13,3.5'

Spl#: 194068

Matrix: SOIL

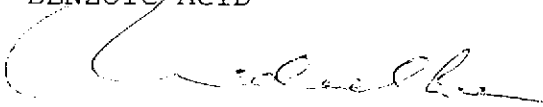
Extracted: July 7, 1998


Sampled: July 1, 1998

Run#: 13646

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
FLUORENE	N.D.	0.10	N.D.	--	1
4-NITROANILINE	N.D.	0.50	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	0.50	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	0.10	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1
HEXACHLOROBENZENE	N.D.	0.10	N.D.	--	1
PENTACHLOROPHENOL	N.D.	0.50	N.D.	71.0	1
PHENANTHRENE	N.D.	0.10	N.D.	--	1
ANTHRACENE	N.D.	0.10	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	2.0	N.D.	--	1
FLUORANTHENE	N.D.	0.10	N.D.	--	1
PYRENE	N.D.	0.10	N.D.	87.5	1
BUTYL BENZYL PHTHALATE	N.D.	0.50	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	0.20	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	0.10	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	0.50	N.D.	--	1
CHRYSENE	N.D.	0.10	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	0.50	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	0.10	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	0.20	N.D.	--	1
BENZO (A) PYRENE	N.D.	0.050	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	0.20	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	0.20	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	0.20	N.D.	--	1
BENZOIC ACID	N.D.	0.50	N.D.	--	1


Michael Lee
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-14,15.5'

Spl#: 194069

Matrix: SOIL

Extracted: July 7, 1998

Sampled: July 1, 1998

Run#: 13646

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	0.10	N.D.	71.0	1
BIS(2-CHLOROETHYL) ETHER	N.D.	0.10	N.D.	--	1
2-CHLOROPHENOL	N.D.	0.10	N.D.	72.5	1
1,3-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.10	N.D.	84.4	1
BENZYL ALCOHOL	N.D.	0.20	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
2-METHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.10	N.D.	--	1
4-METHYLPHENOL	N.D.	0.20	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.10	N.D.	93.7	1
HEXACHLOROETHANE	N.D.	0.10	N.D.	--	1
NITROBENZENE	N.D.	0.10	N.D.	--	1
ISOPHORONE	N.D.	0.10	N.D.	--	1
2-NITROPHENOL	N.D.	0.10	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROETHOXY) METHANE	N.D.	0.10	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.10	N.D.	83.9	1
NAPHTHALENE	N.D.	0.10	N.D.	--	1
4-CHLOROANILINE	N.D.	0.20	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	0.10	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.20	N.D.	78.0	1
2-METHYLNAPHTHALENE	N.D.	0.10	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.10	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	0.10	N.D.	--	1
2-NITROANILINE	N.D.	0.50	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
3-NITROANILINE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	87.0	1
2,4-DINITROPHENOL	N.D.	0.50	N.D.	--	1
4-NITROPHENOL	N.D.	0.50	N.D.	83.5	1
DIBENZOFURAN	N.D.	0.10	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	0.10	N.D.	77.2	1
3,4-DINITROTOLUENE	N.D.	0.20	N.D.	--	1
DIETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-14,15.5'

Spl#: 194069

Matrix: SOIL

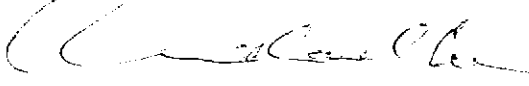
Extracted: July 7, 1998

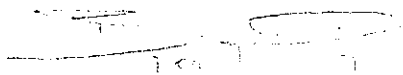
Sampled: July 1, 1998

Run#: 13646

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	0.10	N.D.	--	1
4-NITROANILINE	N.D.	0.50	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	0.50	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	0.10	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1
HEXACHLOROBENZENE	N.D.	0.10	N.D.	--	1
PENTACHLOROPHENOL	N.D.	0.50	N.D.	71.0	1
PHENANTHRENE	N.D.	0.10	N.D.	--	1
ANTHRACENE	N.D.	0.10	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	2.0	N.D.	--	1
FLUORANTHENE	N.D.	0.10	N.D.	--	1
PYRENE	N.D.	0.10	N.D.	87.5	1
BUTYL BENZYL PHTHALATE	N.D.	0.50	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	0.20	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	0.10	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	0.50	N.D.	--	1
CHRYSENE	N.D.	0.10	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	0.50	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	0.10	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	0.20	N.D.	--	1
BENZO (A) PYRENE	N.D.	0.050	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	0.20	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	0.20	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	0.20	N.D.	--	1
BENZOIC ACID	N.D.	0.50	N.D.	--	1


Michael Lee
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-15,15.0'

Spl#: 194070

Matrix: SOIL

Extracted: July 7, 1998

Sampled: July 1, 1998

Run#: 13646

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	0.10	N.D.	71.0	1
BIS(2-CHLOROETHYL) ETHER	N.D.	0.10	N.D.	--	1
2-CHLOROPHENOL	N.D.	0.10	N.D.	72.5	1
1,3-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.10	N.D.	84.4	1
BENZYL ALCOHOL	N.D.	0.20	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
2-METHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.10	N.D.	--	1
4-METHYLPHENOL	N.D.	0.20	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.10	N.D.	93.7	1
HEXACHLOROETHANE	N.D.	0.10	N.D.	--	1
NITROBENZENE	N.D.	0.10	N.D.	--	1
ISOPHORONE	N.D.	0.10	N.D.	--	1
2-NITROPHENOL	N.D.	0.10	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROETHOXY) METHANE	N.D.	0.10	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.10	N.D.	83.9	1
NAPHTHALENE	N.D.	0.10	N.D.	--	1
4-CHLOROANILINE	N.D.	0.20	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	0.10	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.20	N.D.	--	1
2-METHYLNAPHTHALENE	N.D.	0.10	N.D.	78.0	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.10	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	0.10	N.D.	--	1
2-NITROANILINE	N.D.	0.50	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
3-NITROANILINE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	87.0	1
2,4-DINITROPHENOL	N.D.	0.50	N.D.	--	1
4-NITROPHENOL	N.D.	0.50	N.D.	--	1
DIBENZOFURAN	N.D.	0.10	N.D.	63.5	1
2,4-DINITROTOLUENE	N.D.	0.10	N.D.	--	1
DIETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-15,15.0'

Spl#: 194070

Matrix: SOIL

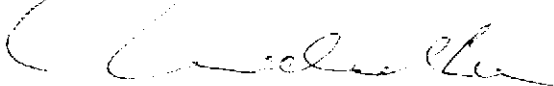
Extracted: July 7, 1998

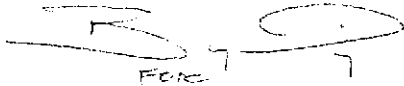
Sampled: July 1, 1998

Run#: 13646

Analyzed: July 8, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
FLUORENE	N.D.	0.10	N.D.	--	1
4-NITROANILINE	N.D.	0.50	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	0.50	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	0.10	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1
HEXACHLOROBENZENE	N.D.	0.10	N.D.	--	1
PENTACHLOROPHENOL	N.D.	0.50	N.D.	71.0	1
PHENANTHRENE	N.D.	0.10	N.D.	--	1
ANTHRACENE	N.D.	0.10	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	2.0	N.D.	--	1
FLUORANTHENE	N.D.	0.10	N.D.	--	1
PYRENE	N.D.	0.10	N.D.	87.5	1
BUTYL BENZYL PHTHALATE	N.D.	0.50	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	0.20	N.D.	--	1
BENZO(A)ANTHRACENE	N.D.	0.10	N.D.	--	1
BIS(2-ETHYLHEXYL) PHTHALATE	N.D.	0.50	N.D.	--	1
CHRYSENE	N.D.	0.10	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	0.50	N.D.	--	1
BENZO(B)FLUORANTHENE	N.D.	0.10	N.D.	--	1
BENZO(K)FLUORANTHENE	N.D.	0.20	N.D.	--	1
BENZO(A)PYRENE	N.D.	0.050	N.D.	--	1
INDENO(1,2,3 C,D)PYRENE	N.D.	0.20	N.D.	--	1
DIBENZO(A,H)ANTHRACENE	N.D.	0.20	N.D.	--	1
BENZO(G,H,I)PERYLENE	N.D.	0.20	N.D.	--	1
BENZOIC ACID	N.D.	0.50	N.D.	--	1


Michael Lee
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-13 WATER

Spl#: 194063

Sampled: July 1, 1998

Matrix: WATER


Run#: 13639


Extracted: July 7, 1998

Analyzed: July 7, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/L)	<u>REPORTING</u> <u>LIMIT</u> (ug/L)	<u>BLANK</u> <u>RESULT</u> (ug/L)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
RAFFEX	140	50	N.D.	91.2	1

Note: Quantitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-14 WATER

Spl#: 194064

Matrix: WATER

Extracted: July 7, 1998

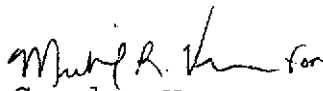
Sampled: July 1, 1998


Run#: 13639

Analyzed: July 7, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/L)	<u>REPORTING</u> <u>LIMIT</u> (ug/L)	<u>BLANK</u> <u>RESULT</u> (ug/L)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
RAFFEX	270	50	N.D.	91.2	1

Note: Quantitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-15 WATER

Spl#: 194065

Matrix: WATER

Extracted: July 7, 1998

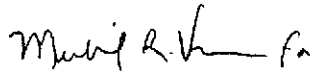
Sampled: July 1, 1998


Run#: 13639

Analyzed: July 7, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/L)	<u>REPORTING</u> <u>LIMIT</u> (ug/L)	<u>BLANK</u> <u>RESULT</u> (ug/L)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTIO.</u> <u>FACTOR</u>
RAFFEX	96	50	N.D.	91.2	1

Note: Quantitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-16 WATER

Spl#: 194066

Matrix: WATER

Extracted: July 7, 1998

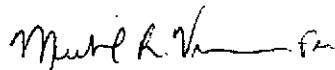
Sampled: July 1, 1998


Run#:13639

Analyzed: July 8, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/L)	<u>REPORTING</u> <u>LIMIT</u> (ug/L)	<u>BLANK</u> <u>RESULT</u> (ug/L)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTIO</u> <u>FACTOR</u>
RAFFEX	63	50	N.D.	91.2	1

Note: Quantitation based on a one point RAFFEX reference standard. The hydrocarbon pattern in this sample matched the RAFFEX reference.


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for TEPH analysis.
Method: EPA 8015M

Client Sample ID: BH-17 WATER

Spl#: 194067

Matrix: WATER

Extracted: July 7, 1998

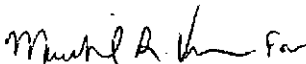
Sampled: July 1, 1998


Run#: 13639

Analyzed: July 7, 1998

<u>ANALYTE</u>	<u>RESULT</u> (ug/L)	<u>REPORTING</u> <u>LIMIT</u> (ug/L)	<u>BLANK</u> <u>RESULT</u> (ug/L)	<u>BLANK</u> <u>SPIKE</u> (%)	<u>DILUTION</u> <u>FACTOR</u>
RAFFEX	N.D.	50	N.D.	91.2	1

Note: Quantitation based on a one point RAFFEX reference standard.


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-13 WATER

Spl#: 194063

Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	0.50	N.D.	88.7	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
BROMOFORM	N.D.	0.50	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	96.0	1
CHLOROETHANE	N.D.	1.0	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	0.50	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	5.0	N.D.	--	1
DIBROMOMETHANE	N.D.	0.50	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHENE (CIS)	N.D.	0.50	N.D.	76.7	1
1,2-DICHLOROETHENE (TRANS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
ETHYLBENZENE	N.D.	0.50	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	3.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	1.0	N.D.	--	1
STYRENE	N.D.	0.50	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
TOLUENE	0.66	0.50	N.D.	86.7	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1,1,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	79.2	1
VINYL ACETATE	N.D.	5.0	N.D.	--	1
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

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AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-13 WATER

Spl#: 194063

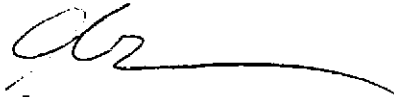
Matrix: WATER

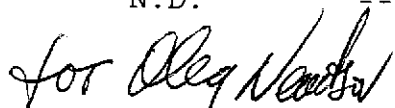
Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TOTAL XYLENES	N.D.	1.0	N.D.	--	1
CARBON DISULFIDE	N.D.	0.50	N.D.	--	1
ISOPROPYLBENZENE	N.D.	0.50	N.D.	--	1
BROMOBENZENE	N.D.	0.50	N.D.	--	1
BROMOCHLOROMETHANE	N.D.	1.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1


Alex Tam
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-14 WATER

Spl#: 194064

Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	0.50	N.D.	88.7	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
BROMOFORM	N.D.	0.50	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	96.0	1
CHLOROETHANE	N.D.	1.0	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	5.0	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1
DIBROMOMETHANE	N.D.	0.50	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	0.63	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	3.2	0.50	N.D.	76.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
ETHYLBENZENE	N.D.	0.50	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	3.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	1.0	N.D.	--	1
STYRENE	N.D.	0.50	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
TOLUENE	0.68	0.50	N.D.	86.7	1
1,1,1-TRICHLOROETHANE	0.90	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	79.2	1
1,1,1,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
VINYL ACETATE	N.D.	5.0	N.D.	--	1
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

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AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-14 WATER

Spl#: 194064

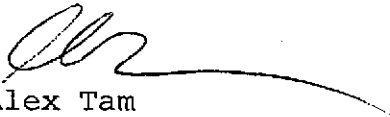
Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TOTAL XYLENES	N.D.	1.0	N.D.	--	1
CARBON DISULFIDE	N.D.	0.50	N.D.	--	1
ISOPROPYLBENZENE	N.D.	0.50	N.D.	--	1
BROMOBENZENE	N.D.	0.50	N.D.	--	1
BROMOCHLOROMETHANE	N.D.	1.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1


Alex Tam
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-15 WATER

Spl#: 194065

Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	0.50	N.D.	88.7	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
BROMOFORM	N.D.	0.50	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
CHLORO BENZENE	N.D.	0.50	N.D.	96.0	1
CHLOROETHANE	N.D.	1.0	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLORO BENZENE	N.D.	0.50	N.D.	--	1
1,3-DICHLORO BENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLORO BENZENE	N.D.	0.50	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	5.0	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1
DIBROMOMETHANE	N.D.	0.50	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	76.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
ETHYLBENZENE	N.D.	0.50	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	3.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	1.0	N.D.	--	1
STYRENE	N.D.	0.50	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
TOLUENE	N.D.	0.50	N.D.	86.7	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	79.2	1
1,1,1,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
VINYL ACETATE	N.D.	5.0	N.D.	--	1
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033
page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-15 WATER

Spl#: 194065

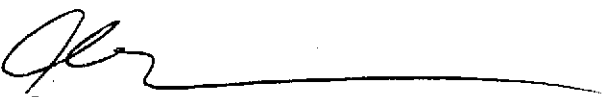
Matrix: WATER

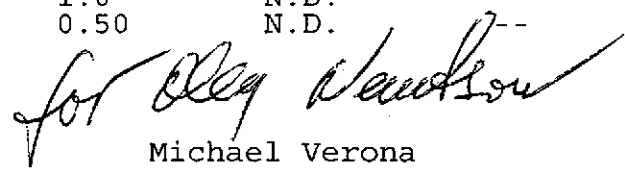
Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TOTAL XYLENES	N.D.	1.0	N.D.	--	1
CARBON DISULFIDE	N.D.	0.50	N.D.	--	1
ISOPROPYLBENZENE	N.D.	0.50	N.D.	--	1
BROMOBENZENE	N.D.	0.50	N.D.	--	1
BROMOCHLOROMETHANE	N.D.	1.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1


Alex Tam
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-16 WATER

Spl#: 194066

Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	N.D.	0.50	N.D.	88.7	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
BROMOFORM	N.D.	0.50	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	96.0	1
CHLOROETHANE	N.D.	1.0	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	5.0	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1
DIBROMOMETHANE	N.D.	0.50	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	76.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
ETHYLBENZENE	N.D.	0.50	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	3.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	1.0	N.D.	--	1
STYRENE	N.D.	0.50	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
TOLUENE	1.3	0.50	N.D.	86.7	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	79.2	1
1,1,1,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
VINYL ACETATE	N.D.	5.0	N.D.	--	1
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

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AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-16 WATER

Spl#: 194066


Matrix: WATER


Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
TOTAL XYLENES	N.D.	1.0	N.D.	--	1
CARBON DISULFIDE	N.D.	0.50	N.D.	--	1
ISOPROPYLBENZENE	N.D.	0.50	N.D.	--	1
BROMOBENZENE	N.D.	0.50	N.D.	--	1
BROMOCHLOROMETHANE	N.D.	1.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1


Alex Tam
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-17 WATER

Spl#: 194067

Matrix: WATER

Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE SPR (%)	DILUTION FACTOR
ACETONE	N.D.	50	N.D.	--	1
BENZENE	0.56	0.50	N.D.	88.7	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
BROMOFORM	N.D.	0.50	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	96.0	1
CHLOROETHANE	N.D.	1.0	N.D.	--	1
2-BUTANONE (MEK)	N.D.	50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DIBROMO-3-CHLOROPROPANE	N.D.	5.0	N.D.	--	1
1,2-DIBROMOETHANE	N.D.	0.50	N.D.	--	1
DIBROMOMETHANE	N.D.	0.50	N.D.	--	1
DICHLORODIFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	76.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	0.50	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
ETHYLBENZENE	N.D.	0.50	N.D.	--	1
2-HEXANONE	N.D.	50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	3.0	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	50	N.D.	--	1
NAPHTHALENE	N.D.	1.0	N.D.	--	1
STYRENE	N.D.	0.50	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
TOLUENE	1.0	0.50	N.D.	86.7	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	79.2	1
1,1,1,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
VINYL ACETATE	N.D.	5.0	N.D.	--	1
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

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AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Volatile Organics by GC/MS analysis, continued.

Method: SW846 Method 8260A Sept 1994

Client Sample ID: BH-17 WATER

Spl#: 194067

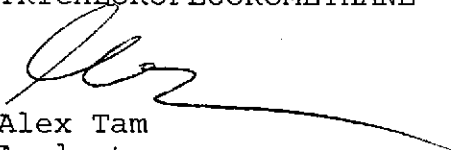
Matrix: WATER


Sampled: July 1, 1998

Run#: 13630

Analyzed: July 6, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE DILUTION FACTOR (%)
TOTAL XYLENES	N.D.	1.0	N.D.	-- 1
CARBON DISULFIDE	N.D.	0.50	N.D.	-- 1
ISOPROPYLBENZENE	N.D.	0.50	N.D.	-- 1
BROMOBENZENE	N.D.	0.50	N.D.	-- 1
BROMOCHLOROMETHANE	N.D.	1.0	N.D.	-- 1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	-- 1


Alex Tam
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-13 WATER

Spl#: 194063

Matrix: WATER

Extracted: July 7, 1998

Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	11	2.0	N.D.	42.2	1
BIS (2-CHLOROETHYL) ETHER	N.D.	2.0	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.0	N.D.	78.3	1
1,3-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.0	N.D.	83.7	1
BENZYL ALCOHOL	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
2-METHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	2.0	N.D.	--	1
4-METHYLPHENOL	N.D.	2.0	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.0	N.D.	--	1
HEXACHLOROETHANE	N.D.	2.0	N.D.	98.0	1
NITROBENZENE	N.D.	2.0	N.D.	--	1
ISOPHORONE	N.D.	2.0	N.D.	--	1
2-NITROPHENOL	N.D.	2.0	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	5.0	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	2.0	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.0	N.D.	83.7	1
NAPHTHALENE	N.D.	2.0	N.D.	--	1
4-CHLOROANILINE	N.D.	2.0	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.0	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	N.D.	--	1
2-METHYLNAPHTHALENE	N.D.	2.0	N.D.	81.2	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.0	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.0	N.D.	--	1
2-NITROANILINE	N.D.	10	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
ACENAPHTHYLENE	N.D.	2.0	N.D.	--	1
3-NITROANILINE	N.D.	10	N.D.	--	1
ACENAPHTHENE	N.D.	2.0	N.D.	97.0	1
2,4-DINITROPHENOL	N.D.	10	N.D.	--	1
4-NITROPHENOL	N.D.	10	N.D.	24.0	1
DIBENZOFURAN	N.D.	2.0	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	2.0	N.D.	80.3	1
2,6-DINITROTOLUENE	N.D.	5.0	N.D.	--	1
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	2.0	N.D.	--	1

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CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-13 WATER

Spl#: 194063

Matrix: WATER

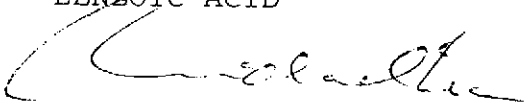
Extracted: July 7, 1998

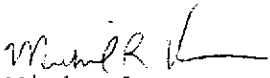
Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE DILUTION FACTOR (%)
FLUORENE	N.D.	5.0	N.D.	--
4-NITROANILINE	N.D.	10	N.D.	--
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--
n-NITROSODIPHENYLAMINE	N.D.	2.0	N.D.	--
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--
HEXACHLOROBENZENE	N.D.	2.0	N.D.	--
PENTACHLOROPHENOL	N.D.	10	N.D.	69.0
PHENANTHRENE	N.D.	2.0	N.D.	--
ANTHRACENE	N.D.	2.0	N.D.	--
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--
FLUORANTHENE	N.D.	2.0	N.D.	--
PYRENE	N.D.	2.0	N.D.	103
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--
BENZO (A) ANTHRACENE	N.D.	2.0	N.D.	--
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	5.0	N.D.	--
CHRYSENE	N.D.	2.0	N.D.	--
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--
BENZO (B) FLUORANTHENE	N.D.	2.0	N.D.	--
BENZO (K) FLUORANTHENE	N.D.	2.0	N.D.	--
BENZO (A) PYRENE	N.D.	2.0	N.D.	--
INDENO (1,2,3 C,D) PYRENE	N.D.	2.0	N.D.	--
DIBENZO (A,H) ANTHRACENE	N.D.	2.0	N.D.	--
BENZO (G,H,I) PERYLENE	N.D.	2.0	N.D.	--
BENZOIC ACID	N.D.	10	N.D.	--


Michael Lee
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO

Project#: 3231

Received: July 2, 1998

re: One sample for Semivolatile Organics (B/NAs) analysis.

Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-14 WATER

Spl#: 194064

Matrix: WATER

Extracted: July 7, 1998

Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	3.3	N.D.	42.2	1
BIS (2-CHLOROETHYL) ETHER	N.D.	3.3	N.D.	--	1
2-CHLOROPHENOL	N.D.	3.3	N.D.	78.3	1
1,3-DICHLOROBENZENE	N.D.	3.3	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	3.3	N.D.	83.7	1
BENZYL ALCOHOL	N.D.	8.3	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	3.3	N.D.	--	1
2-METHYLPHENOL	N.D.	3.3	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	3.3	N.D.	--	1
4-METHYLPHENOL	N.D.	3.3	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	3.3	N.D.	98.0	1
HEXACHLOROETHANE	N.D.	3.3	N.D.	--	1
NITROBENZENE	N.D.	3.3	N.D.	--	1
ISOPHORONE	N.D.	3.3	N.D.	--	1
2-NITROPHENOL	N.D.	3.3	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	3.3	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	8.3	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	3.3	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	3.3	N.D.	83.7	1
NAPHTHALENE	N.D.	3.3	N.D.	--	1
4-CHLOROANILINE	N.D.	3.3	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	3.3	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	8.3	N.D.	81.2	1
2-METHYLNAPHTHALENE	N.D.	3.3	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	3.3	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	3.3	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	3.3	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	3.3	N.D.	--	1
2-NITROANILINE	N.D.	17	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	8.3	N.D.	--	1
ACENAPHTHYLENE	N.D.	3.3	N.D.	--	1
3-NITROANILINE	N.D.	17	N.D.	--	1
ACENAPHTHENE	N.D.	3.3	N.D.	97.0	1
2,4-DINITROPHENOL	N.D.	17	N.D.	--	1
4-NITROPHENOL	N.D.	17	N.D.	24.0	1
DIBENZOFURAN	N.D.	3.3	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	3.3	N.D.	80.2	1
2,6-DINITROTOLUENE	N.D.	8.3	N.D.	--	1
DIETHYL PHTHALATE	N.D.	8.3	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	3.3	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-14 WATER

Spl#: 194064

Matrix: WATER

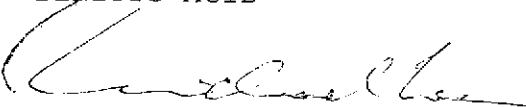
Extracted: July 7, 1998

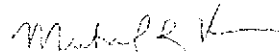
Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	8.3	N.D.	--	1
4-NITROANILINE	N.D.	17	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	17	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	3.3	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	8.3	N.D.	--	1
HEXACHLOROBENZENE	N.D.	3.3	N.D.	--	1
PENTACHLOROPHENOL	N.D.	17	N.D.	69.0	1
PHENANTHRENE	N.D.	3.3	N.D.	--	1
ANTHRACENE	N.D.	3.3	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	8.3	N.D.	--	1
FLUORANTHENE	N.D.	3.3	N.D.	--	1
PYRENE	N.D.	3.3	N.D.	103	1
BUTYL BENZYL PHTHALATE	N.D.	8.3	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	8.3	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	3.3	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	8.3	N.D.	--	1
CHRYSENE	N.D.	3.3	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	8.3	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	3.3	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	3.3	N.D.	--	1
BENZO (A) PYRENE	N.D.	3.3	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	3.3	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	3.3	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	3.3	N.D.	--	1
BENZOIC ACID	N.D.	17	N.D.	--	1


Michael Lee
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-15 WATER

Spl#: 194065

Sampled: July 1, 1998

Matrix: WATER

Run#: 13645

Extracted: July 7, 1998

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	3.7	2.0	N.D.	42.2	1
BIS (2-CHLOROETHYL) ETHER	N.D.	2.0	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.0	N.D.	78.3	1
1,3-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.0	N.D.	83.7	1
BENZYL ALCOHOL	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
2-METHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	2.0	N.D.	--	1
4-METHYLPHENOL	N.D.	2.0	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.0	N.D.	--	1
HEXACHLOROETHANE	N.D.	2.0	N.D.	98.0	1
NITROBENZENE	N.D.	2.0	N.D.	--	1
ISOPHORONE	N.D.	2.0	N.D.	--	1
2-NITROPHENOL	N.D.	2.0	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	5.0	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	2.0	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.0	N.D.	--	1
NAPHTHALENE	N.D.	2.0	N.D.	83.7	1
4-CHLOROANILINE	N.D.	2.0	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.0	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	2.0	N.D.	--	1
2-METHYLNAPHTHALENE	N.D.	5.0	N.D.	81.2	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.0	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.0	N.D.	--	1
2-NITROANILINE	N.D.	2.0	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	10	N.D.	--	1
ACENAPHTHYLENE	N.D.	5.0	N.D.	--	1
3-NITROANILINE	N.D.	2.0	N.D.	--	1
ACENAPHTHENE	N.D.	10	N.D.	--	1
2,4-DINITROPHENOL	N.D.	2.0	N.D.	97.0	1
4-NITROPHENOL	N.D.	10	N.D.	--	1
DIBENZO-FURAN	N.D.	10	N.D.	24.0	1
2,4-DINITROTOLUENE	N.D.	2.0	N.D.	--	1
DIETHYL PHTHALATE	N.D.	2.0	N.D.	80.3	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
	N.D.	2.0	N.D.	--	1

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S101 0-000405 MIKELEE 12/21

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-15 WATER

Spl#: 194065

Sampled: July 1, 1998

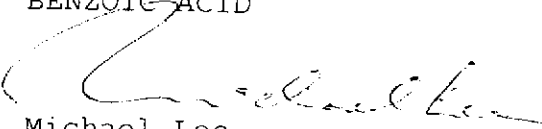
Matrix: WATER


Run#: 13645

Extracted: July 7, 1998

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	5.0	N.D.	--	1
4-NITROANILINE	N.D.	10	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	2.0	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
HEXACHLOROBENZENE	N.D.	2.0	N.D.	--	1
PENTACHLOROPHENOL	N.D.	10	N.D.	69.0	1
PHENANTHRENE	N.D.	2.0	N.D.	--	1
ANTHRACENE	N.D.	2.0	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--	1
FLUORANTHENE	N.D.	2.0	N.D.	--	1
PYRENE	N.D.	2.0	N.D.	--	1
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	103	1
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	2.0	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	5.0	N.D.	--	1
CHRYSENE	N.D.	2.0	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (A) PYRENE	N.D.	2.0	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	2.0	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	2.0	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	2.0	N.D.	--	1
BENZOIC ACID	N.D.	10	N.D.	--	1


Michael Lee
Analyst


Michael Verona
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S101 0-000405 MIKELEE 12-75

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-16 WATER

Spl#: 194066

Sampled: July 1, 1998

Matrix: WATER

Run#: 13645

Extracted: July 7, 1998

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
PHENOL	N.D.	2.5	N.D.	42.2	1
BIS (2-CHLOROETHYL) ETHER	N.D.	2.5	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.5	N.D.	78.3	1
1,3-DICHLOROBENZENE	N.D.	2.5	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.5	N.D.	83.7	1
BENZYL ALCOHOL	N.D.	6.2	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.5	N.D.	--	1
2-METHYLPHENOL	N.D.	2.5	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	2.5	N.D.	--	1
4-METHYLPHENOL	N.D.	2.5	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.5	N.D.	--	1
HEXACHLOROETHANE	N.D.	2.5	N.D.	98.0	1
NITROBENZENE	N.D.	2.5	N.D.	--	1
ISOPHORONE	N.D.	2.5	N.D.	--	1
2-NITROPHENOL	N.D.	2.5	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.5	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	2.5	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	6.2	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.5	N.D.	--	1
NAPHTHALENE	N.D.	2.5	N.D.	83.7	1
4-CHLOROANILINE	N.D.	2.5	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.5	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	2.5	N.D.	--	1
2-METHYLNAPHTHALENE	N.D.	6.2	N.D.	81.2	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.5	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.5	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.5	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.5	N.D.	--	1
2-NITROANILINE	N.D.	2.5	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	12	N.D.	--	1
ACENAPHTHYLENE	N.D.	6.2	N.D.	--	1
3-NITROANILINE	N.D.	2.5	N.D.	--	1
ACENAPHTHENE	N.D.	12	N.D.	--	1
2,4-DINITROPHENOL	N.D.	2.5	N.D.	97.0	1
4-NITROPHENOL	N.D.	12	N.D.	--	1
1-BENZOFURAN	N.D.	12	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	2.5	N.D.	--	1
DIETHYL PHTHALATE	N.D.	6.2	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	2.5	N.D.	--	1

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S101 0:000405 MIKELEE 12/21

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-16 WATER

Spl#: 194066

Matrix: WATER

Extracted: July 7, 1998

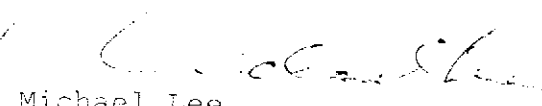
Sampled: July 1, 1998

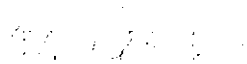
Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	6.2	N.D.	--	1
4-NITROANILINE	N.D.	12	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	12	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	2.5	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	6.2	N.D.	--	1
HEXACHLOROBENZENE	N.D.	2.5	N.D.	--	1
PENTACHLOROPHENOL	N.D.	12	N.D.	69.0	1
PHENANTHRENE	N.D.	2.5	N.D.	--	1
ANTHRACENE	N.D.	2.5	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	6.2	N.D.	--	1
FLUORANTHENE	N.D.	2.5	N.D.	--	1
PYRENE	N.D.	2.5	N.D.	--	1
BUTYL BENZYL PHTHALATE	N.D.	6.2	N.D.	103	1
3,3'-DICHLOROBENZIDINE	N.D.	6.2	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	2.5	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	6.2	N.D.	--	1
CHRYSENE	N.D.	2.5	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	6.2	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	2.5	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	2.5	N.D.	--	1
BENZO (A) PYRENE	N.D.	2.5	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	2.5	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	2.5	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	2.5	N.D.	--	1
BENZOIC ACID	N.D.	12	N.D.	--	1

Note: Percent recoveries of surrogates were outside of QC limits due to matrix interference.


Michael Lee
Analyst


Michael Verona
Operations Manager

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S101 0:000405 MIKELTEE 12

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-17 WATER

Spl#: 194067

Matrix: WATER

Extracted: July 7, 1998

Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE SPR (%)	DILUTION FACTOR
PHENOL	N.D.	2.0	N.D.	42.2	1
BIS (2-CHLOROETHYL) ETHER	N.D.	2.0	N.D.	--	1
2-CHLOROPHENOL	N.D.	2.0	N.D.	78.3	1
1,3-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	2.0	N.D.	83.7	1
BENZYL ALCOHOL	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	2.0	N.D.	--	1
2-METHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	2.0	N.D.	--	1
4-METHYLPHENOL	N.D.	2.0	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	2.0	N.D.	98.0	1
HEXACHLOROETHANE	N.D.	2.0	N.D.	--	1
NITROBENZENE	N.D.	2.0	N.D.	--	1
ISOPHORONE	N.D.	2.0	N.D.	--	1
2-NITROPHENOL	N.D.	2.0	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	2.0	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	5.0	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	2.0	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	2.0	N.D.	83.7	1
NAPHTHALENE	N.D.	2.0	N.D.	--	1
4-CHLOROANILINE	N.D.	2.0	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	2.0	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	5.0	N.D.	81.2	1
2-METHYLNAPHTHALENE	N.D.	2.0	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	2.0	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	2.0	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	2.0	N.D.	--	1
2-NITROANILINE	N.D.	10	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
ACENAPHTHYLENE	N.D.	2.0	N.D.	--	1
3-NITROANILINE	N.D.	10	N.D.	--	1
ACENAPHTHENE	N.D.	2.0	N.D.	--	1
2,4-DINITROPHENOL	N.D.	10	N.D.	97.0	1
4-NITROPHENOL	N.D.	2.0	N.D.	--	1
DIBENZOFURAN	N.D.	2.0	N.D.	24.0	1
2,4-DINITROPHENOL	N.D.	2.0	N.D.	--	1
DIETHYL PHTHALATE	N.D.	5.0	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	2.0	N.D.	--	1

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S101 D-000405 MIKELEE 12

CHROMALAB, INC.

Environmental Services (SDB)

July 10, 1998

Submission #: 9807033
page 2

AQUA SCIENCE ENGINEERS INC

Atten: Dave Allen

Project: OLIVER RUBBER CO
Received: July 2, 1998

Project#: 3231

re: One sample for Semivolatile Organics (B/NAs) analysis, continued.
Method: SW846 Method 8270A Nov 1990

Client Sample ID: BH-17 WATER

Spl#: 194067

Matrix: WATER

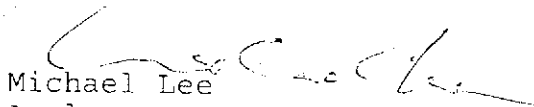
Extracted: July 7, 1998

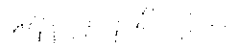
Sampled: July 1, 1998

Run#: 13645

Analyzed: July 7, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	DILUTION FACTOR
FLUORENE	N.D.	5.0	N.D.	--	1
4-NITROANILINE	N.D.	10	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--	1
n-NITROSODIPHENYLAMINE	N.D.	2.0	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
HEXACHLOROBENZENE	N.D.	2.0	N.D.	--	1
PENTACHLOROPHENOL	N.D.	10	N.D.	69.0	1
PHENANTHRENE	N.D.	2.0	N.D.	--	1
ANTHRACENE	N.D.	2.0	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--	1
FLUORANTHENE	N.D.	2.0	N.D.	--	1
PYRENE	N.D.	2.0	N.D.	--	1
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	103	1
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	2.0	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	5.0	N.D.	--	1
CHRYSENE	N.D.	2.0	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--	1
BENZO (B) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (A) PYRENE	N.D.	2.0	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	2.0	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	2.0	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	2.0	N.D.	--	1
BENZOIC ACID	N.D.	10	N.D.	--	1


Michael Lee
Analyst


Michael Verona
Operations Manager

9807033/194063-70

SUBM #: 9807033 REP: PM
 CLIENT: ASE
 DUE: 07/10/98
 REF #: 40703

Aqua Science Engineers, Inc.
 2411 Old Crow Canyon Road, #4,
 San Ramon, CA 94583
 (510) 820-9391 - FAX (510) 837-4853

Ch

ody 40703
 TE 7-2-98 PAGE 1 OF 1

SAMPLERS (SIGNATURE) *O. Allen* (PHONE NO.) 820-9391 PROJECT NAME OLIVER RUBBER CO. NO. 3231
 ADDRESS OAKLAND, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH- GASOLINE (EPA 5030/8015)	TPH- GASOLINE/BTEX (EPA 5030/8015-8020)	TPH- DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/0220)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NEUTRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 REF OF B&F)	LUFT METALS (S) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STC- CAM WET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY	TPH- RAFFEX	EPA 8240	EPA 8270			
																							BH-13 WATER
BH-14 WATER	}	13:20	}	4														X	X	X			
BH-15 WATER		11:40		4															X	X	X		
BH-16 WATER		13:30		4															X	X	X		
BH-17 WATER		14:34		4															X	X	X		
BH-13, 3-5'	}	7:38	SOIL	1														X	X	X			
BH-14, 15-5'		9:10	1															X	X	X			
BH-15, 15-1'		10:30	1															X	X	X			

RELINQUISHED BY: <i>O. Allen</i> (signature)	RECEIVED BY: <i>[Signature]</i> (signature)	RELINQUISHED BY: <i>[Signature]</i> (signature)	RECEIVED BY LABORATORY: <i>[Signature]</i> (signature)	COMMENTS: 5-DAY RESULTS
14:20 (time)			14:20 (time)	
7/2/98 (date)			7/2/98 (date)	
Company- ASE Inc.	Company-	Company-	Company- <i>CL</i> 7-2-98	