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

December 12, 2001

DEC 17 2001

Ms. Trish Maguire
East Bay Municipal Utility District
EDMUD – Mail Slot #702
P. O. Box 24055
Oakland, CA 94623-1055

Re: 3609 International Boulevard, Oakland, California 94601
Wastewater Discharge Permit No. 504-27421

Dear Ms. Maguire:

As you requested in your letter dated November 1, 2001, enclosed is SOMA's "Quarterly Technical Report: Treatment System Discharge to EBMUD Sewer from August 15, 2001 to November 16, 2001" for the subject site.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 244-6600.

Sincerely,

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

REGISTERED PROFESSIONAL ENGINEER
MANSOUR SEPEHR
No. C042928
Exp. 3-31-04
CIVIL
STATE OF CALIFORNIA

Enclosure

cc: Mr. Abolghassem Razi w/enclosure

Mr. Barney Chan w/enclosure ✓
Alameda County Dept. of Env. Health

# Certification Statement

Chief Executive Officer

| Abolghassem Razi | Owner |
|---|---|
| Name | Title |

| 3609 International Boulevard | Oakland | 94601 |
|---|---|---|
| Street Address | City | Zip |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

12-10-01

Date

## CERTIFICATION

This report has been prepared by SOMA Environmental Engineering, Inc. on behalf of Mr. Abolghassem Razi, the property owner at 3609 International Boulevard, Oakland, California to comply with East Bay Municipal Utility District's requirements.

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

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## 1.0 INTRODUCTION

This report presents the record of wastewater discharge from the groundwater remediation system operated by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Abolghassem Razi, the property owner. The project site is Tony's Express Auto Service; located at 3609 International Boulevard, Oakland, California (the "Site"), see Figure-1.

The Site is located at the intersection of 36th Avenue and International Boulevard (formerly known as East 14th Street), Oakland, California: see Figure-1. It is currently used as a gasoline service station and mechanic shop. The Site is relatively flat, and the surrounding properties are primarily commercial businesses and residential housing. Figure-2 shows the location of the main building, fuel tank areas, and on-site and off-site groundwater monitoring wells. The groundwater monitoring wells are currently being monitored on a quarterly basis. The results of the groundwater monitoring programs have indicated elevated levels of petroleum hydrocarbons in the groundwater beneath the Site. The source of petroleum hydrocarbons in the groundwater is believed to be the former underground storage tanks (USTs), which were used to store gasoline at the Site.

### 1.1 Background

Currently, the Site is being used as a gasoline service station. The environmental investigation at the subject property started in 1992, when Mr. Razi, retained Soil Tech Engineering, Inc. (STE) of San Jose to conduct a limited subsurface investigation. The purpose of STE's investigation was to determine whether or not the soil near the product lines and USTs had been impacted with petroleum hydrocarbons.

In July 1993, STE removed one single-walled 10,000-gallon gasoline tank and

one single-walled 6,000-gallon gasoline tank along with a 550-gallon waste oil tank from the Site. Three double-walled USTs replaced these tanks. Currently, there are one-10,000 gallon double-walled gasoline tank and two-6,000 gallon double-walled gasoline tanks beneath the Site (Figure 2).

In December 1997, Mr. Razi retained Western Geo-Engineers (WEGE) to conduct an additional investigation and perform groundwater monitoring on a quarterly basis. The results of WEGE's groundwater monitoring events indicated elevated levels of petroleum hydrocarbons and methyl tertiary butyl ether (MTBE) in the groundwater.

In April 1999, Mr. Razi retained SOMA to conduct groundwater monitoring, risk based corrective action (RBCA), corrective action plan (CAP) and soil and groundwater remediation at the Site. The results of the RBCA study indicated that the site is a high-risk area; therefore, the soil and groundwater in on-and off-site areas needs to be remediated. The results of the CAP study indicated that installation of a French Drain along with an air sparging technique is a cost effective alternative for site remediation.

In late August 1999, SOMA installed a French Drain and initiated a groundwater treatment system to prevent further migration of the chemically impacted groundwater. Currently, this treatment system has been in operation since early December 1999. The purpose of this report is to present a record of the wastewater discharged from this system to the EBMUD sewer system during the period of August 15, 2001 to November 16, 2001.

## 2.0 TREATMENT SYSTEM OPERATION

The operation of the treatment system (Figure 3) was began on December 6, 1999. Since then 1,276,930 gallons (recording date is November 16, 2001) of

groundwater has been treated and discharged to the East Bay Municipal Utility District (EBMUD) under the existing discharge permit (see Appendix A). As required by the discharge permit and the ACEHS, inspection of the treatment system has been performed on a weekly basis since the system began operation. Also, effluent from the treatment system has been sampled and analyzed for chemical content on a monthly basis.

Table-1 shows the total volume of effluent discharged to EBMUD, as well as the results of laboratory analysis on periodical effluent samples collected from the treatment system. Table-1 shows that all effluent samples during discharge have maintained compliance with the permit, having values below the level of detection limit. Approximately 2,870 gallons of chemically impacted groundwater per week has been processed by the treatment system during the period of August 15, 2001 to November 16, 2001.

## 3.0 REPORT LIMITATIONS

This report is the summary of work done by SOMA including observations and descriptions of the Site conditions. It includes the analytical results produced by Curtis & Tompkins, Ltd. and Delta Environmental Laboratories. The number and location of the wells were selected to provide the required information, but may not be completely representative of the entire Site conditions. All conclusions and recommendations are based on the results of laboratory analysis. Conclusions beyond those specifically stated in this document should not be inferred from this report.

SOMA warrants that the services provided were done in accordance with the generally accepted practices in the environmental engineering and consulting field at the time of this sampling.

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

## 4.0 REFERENCES


Soil Tech Engineering, Quarterly Groundwater Monitoring Reports, from 1995, until July 1997

Western Geo-Engineers, Quarterly Groundwater Monitoring and Sampling Reports from Fourth Quarter 1997 until First Quarter of 1999.

SOMA Environmental Engineering, Inc., June 30, 1999, "Second Quarter 1999 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., September 14, 1999, "Third Quarter 1999 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., November 30, 1999, "Fourth Quarter 1999 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., March 10, 2000, "First Quarter 2000 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., July 26, 2000, "Second Quarter 2000 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., August 24, 2000, "Installation of Soil Vapor Extraction and Air Sparging System and Initial Results Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., August 29, 2000, "Third Quarter 2000 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., December 4, 2000, "Fourth Quarter 2000 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., April 23, 2001, "First Quarter 2001 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., July 17, 2001, "Second Quarter 2001 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

SOMA Environmental Engineering, Inc., September 20, 2001, "Third Quarter 2001 Groundwater Monitoring Report Tony's Express Auto Service Oakland, California".

# TABLES

# Table 1: Total Volume of Water Treated and Effluent and GAC1 Chemistry

## Tony's Auto Express, Oakland, California

| | Date Sampling & Read | Total Volume** (Gallons) | Lab Results For GAC-1 and PSP#1 (concentrations in ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MTBE | TPH-g | Benzene | Toluene | Ethylbenzene | Total Xylene |
| | | | | | | | | |
| **November 16, 2001 to January 4, 2001** | | | | | | | | |
| **November** | **11/16/01** | **1,276,930** | | | | | | |
| | 11/7/01 | 1,273,940 | | | | | | |
| | 11/2/01 | 1,272,660 | ND<0.5 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | | | 0.6 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | | | | | | | | |
| **October** | 10/29/01 | 1,271,630 | | | | | | |
| | 10/23/01 | 1,270,110 | | | | | | |
| | 10/12/01 | 1,267,020 | | | | | | |
| | 10/5/01 | 1,264,790 | | | | | | |
| | | | | | | | | |
| **September** | 9/28/01 | NA | ND<0.5 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | | | ND<0.5 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 9/13/01 | 1,256,340 | | | | | | |
| | 9/6/01 | 1,253,089 | | | | | | |
| | | | | | | | | |
| **August** | 8/30/01 | 1,248,000 | | | | | | |
| | 8/22/01 | 1,243,100 | ND<0.5 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | | | ND<0.5 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| | 8/15/01 | 1,239,500 | | | | | | |
| | 8/3/01 | 1,232,480 | | | | | | |
| | | | | | | | | |
| **July** | 7/25/01 | 1,227,270 | ND | ND | ND | ND | ND | ND |
| | | | NA | NA | NA | NA | NA | NA |
| | 7/11/01 | 1,226,730 | | | | | | |
| | | | | | | | | |
| **June** | 6/29/01 | 1,224,600 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | 6/16/01 | 1,216,580 | | | | | | |
| | 6/7/01 | 1,216,580 | | | | | | |
| | | | | | | | | |

# Table 1: Total Volume of Water Treated and Effluent and GAC1 Chemistry

## Tony's Auto Express, Oakland, California

| | Date Sampling & Read | Total Volume** (Gallons) | Lab Results For GAC-1 and PSP#1 (concentrations in ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MTBE | TPH-g | Benzene | Toluene | Ethylbenzene | Total Xylene |
| May | 5/30/01 | 1,205,190 | | | | | | |
| | 5/23/01 | 1,194,390 | | | | | | |
| | 5/17/01 | 1,182,360 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | 5/10/01 | 1,166,850 | | | | | | |
| | 5/5/01 | 1,151,600 | | | | | | |
| | | | | | | | | |
| April | 4/28/01 | 1,135,690 | | | | | | |
| | 4/21/01 | 1,113,570 | | | | | | |
| | 4/11/01 | 1,082,700 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | 4/6/01 | 1,065,540 | | | | | | |
| | | | | | | | | |
| March | 3/29/01 | 1,036,300 | System restarted. | | | | | |
| | 3/21/01 | 1,036,000 | System off - belt replaced on compressor. | | | | | |
| | 3/17/01 | 1,035,100 | | | | | | |
| | 3/13/01 | 1,032,500 | ND | ND | ND | ND | ND | ND |
| | 3/2/01 | 996,520 | | | | | | |
| | 3/1/01 | | System restarted. | | | | | |
| | | | | | | | | |
| February | 2/10/01 | | System shut down for maintenance and cleaning. | | | | | |
| | 2/8/01 | 975,490 | | | | | | |
| | | | | | | | | |
| January | 1/29/01 | 957,880 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | 1/12/01 | 927,200 | | | | | | |
| | 1/4/01 | 921,790 | | | | | | |
| | | | | | | | | |

| December 5, 2000 to January 14, 2000 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

# Table 1: Total Volume of Water Treated and Effluent and GAC1 Chemistry

## Tony's Auto Express, Oakland, California

| | Date Sampling & Read | Total Volume** (Gallons) | Lab Results For GAC-1 and PSP#1 (concentrations in ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MTBE | TPH-g | Benzene | Toluene | Ethylbenzene | Total Xylene |
| December | 12/5/00 | 883,000 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| November | 11/24/00 | | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | 11/14/00 | 854,000 | | | | | | |
| | 11/1/00 | 842,000 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| October | 10/25/00 | 825,000 | | | | | | |
| | 10/20/00 | 821,000 | | | | | | |
| | 10/19/00 | 820,000 | | | | | | |
| | 10/14/00 | 818,000 | | | | | | |
| | 10/8/00 | 814,000 | | | | | | |
| | 10/5/00 | 812,000 | | | | | | |
| | 10/1/00 | 809,000 | ND | ND | ND | ND | ND | ND |
| | | | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| September | 9/28/00 | 807,000 | | | | | | |
| | 9/18/00 | | ND | ND | ND | ND | ND | ND |
| | 9/14/00 | 797,000 | | | | | | |
| | 9/4/00 | 788,000 | | | | | | |
| | | | | | | | | |
| August | 8/31/00 | 785,000 | | | | | | |
| | 8/27/00 | 781,000 | ND | ND | ND | ND | ND | ND |
| | 8/24/00 | 778,000 | | | | | | |
| | | | | | | | | |
| July | 7/26/00 | 726,000 | ND | ND | ND | ND | ND | ND |
| | 7/19/00 | 718,000 | ND | ND | ND | ND | ND | ND |
| July | 7/13/00 | 712,000 | ND | ND | ND | ND | ND | ND |
| | 7/7/00 | 706,000 | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |

# Table 1: Total Volume of Water Treated and Effluent and GAC1 Chemistry

## Tony's Auto Express, Oakland, California

| | Date Sampling & Read | Total Volume** (Gallons) | Lab Results For GAC-1 and PSP#1 (concentrations in ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MTBE | TPH-g | Benzene | Toluene | Ethylbenzene | Total Xylene |
| June | 06/29/00 | 700,000 | ND | ND | ND | ND | ND | ND |
| | 06/21/00 | 682,220 | ND | ND | ND | ND | ND | ND |
| | 06/16/00 | 669,720 | ND | ND | ND | ND | ND | ND |
| | 06/10/00 | 651,200 | ND | ND | ND | ND | ND | ND |
| | 06/02/00 | | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| May | 05/31/00 | 629,000 | | | | | | |
| | 05/23/00 | 603,700 | ND | ND | ND | ND | ND | ND |
| | 05/18/00 | 570,000 | ND | ND | ND | ND | ND | ND |
| | 05/10/00 | 530,400 | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| April | 04/30/00 | 488,300 | ND | ND | ND | ND | ND | ND |
| | 04/18/00 | 485,300 | ND | ND | ND | ND | ND | 0.51 |
| | 04/10/00 | 440,200 | ND | ND | ND | ND | ND | ND |
| | 04/04/00 | 390,100 | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| March | | | | | | | | |
| | 03/24/00 | 388,000 | ND | ND | ND | ND | ND | ND |
| | 03/17/00 | 357,100 | ND | ND | ND | ND | ND | ND |
| | 03/10/00 | 329,000 | ND | ND | ND | ND | ND | ND |
| | 03/03/00 | 300,000 | | | | | | |
| | | | | | | | | |
| February | | | | | | | | |
| | 02/25/00 | 274,000 | ND | ND | ND | ND | ND | ND |
| | 02/18/00 | 233,000 | ND | ND | ND | ND | ND | ND |
| | 02/11/00 | 190,000 | ND | ND | ND | ND | ND | ND |
| | 02/04/00 | 160,800 | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| January | | | | | | | | |
| | 01/28/00 | 130,600 | ND | ND | ND | ND | ND | ND |
| | 01/21/00 | 103,435 | ND | ND | ND | ND | ND | ND |
| January | 01/14/00 | 83,500 | 185 | ND | ND | ND | ND | ND |
| | | | | | | | | |
| December | | | | | | | | |
| | 12/23/99 | 51,680 | 1486 | NA | ND | ND | ND | ND |

# Table 1: Total Volume of Water Treated and Effluent and GAC1 Chemistry

## Tony's Auto Express, Oakland, California

| | Date Sampling & Read | Total Volume** (Gallons) | Lab Results For GAC-1 and PSP#1 (concentrations in ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MTBE | TPH-g | Benzene | Toluene | Ethylbenzene | Total Xylene |
| | 12/23/99 | | ND | NA | ND | ND | ND | ND |
| | 12/16/99 | 30,450 | 963 | NA | ND | ND | ND | ND |
| | 12/16/99 | | ND | NA | ND | ND | ND | ND |
| | 12/09/99 | 9,000 | 230 | ND | ND | ND | ND | ND |
| Pumping began on December 6, 1999 | | | | | | | | |

* PSP#1 formerly labeled Effluent or GAC-2

** Meter replaced at 775,000 gallons. Actual current reading of new meter is 775,000 gallons less than the total volume reported.

# FIGURES

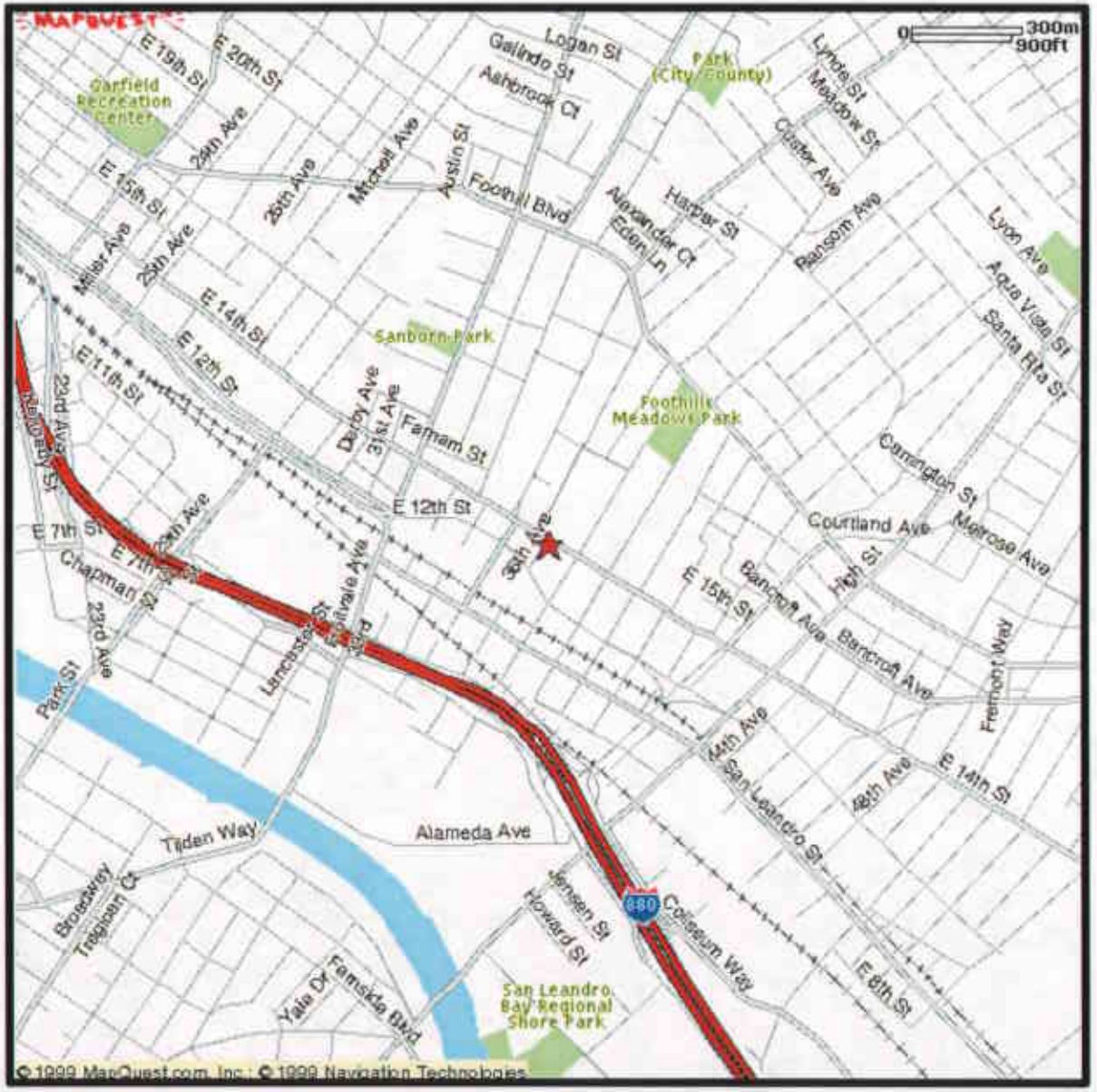


Figure 1: Site Location Map

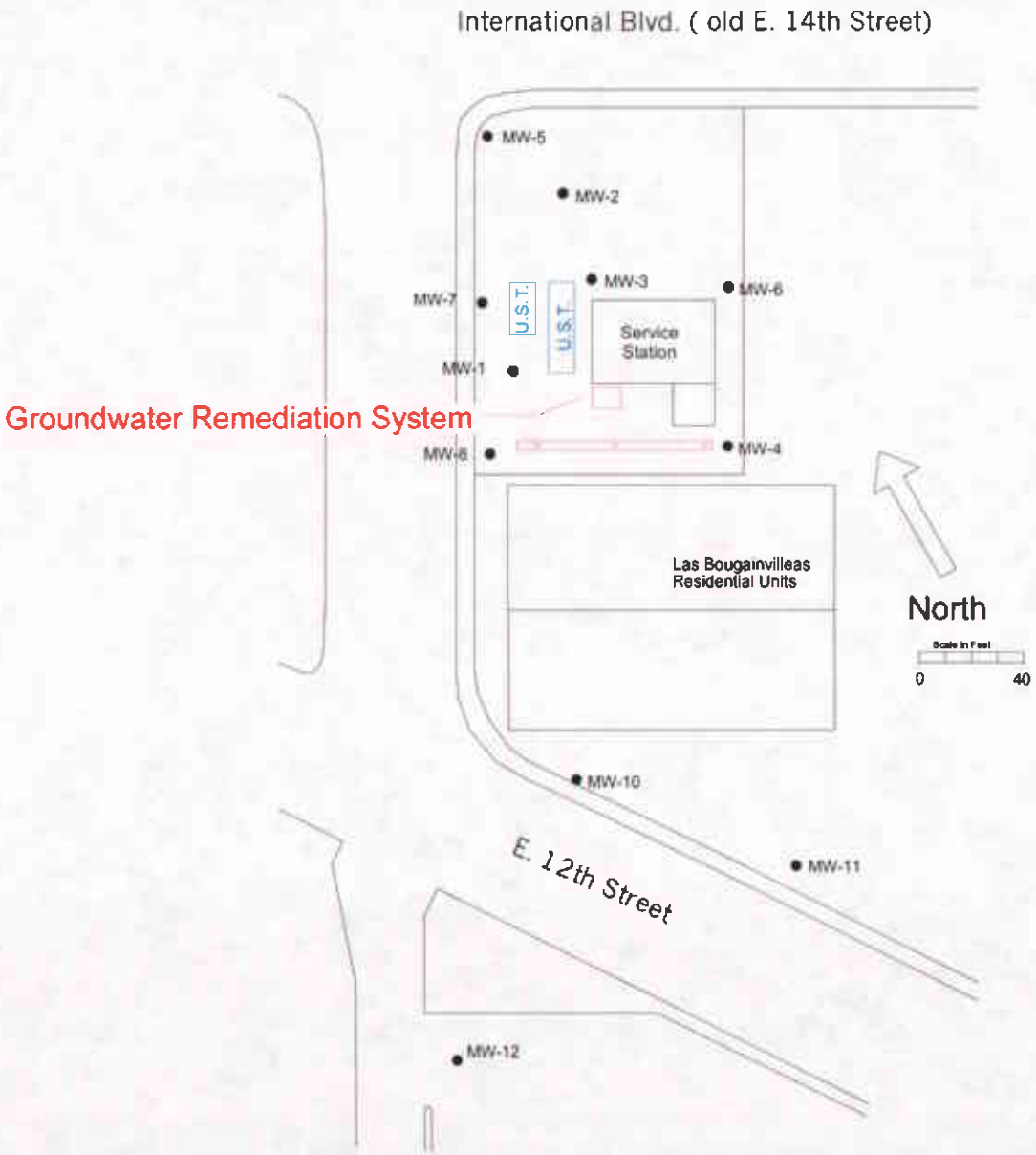


Figure 2: Site Map

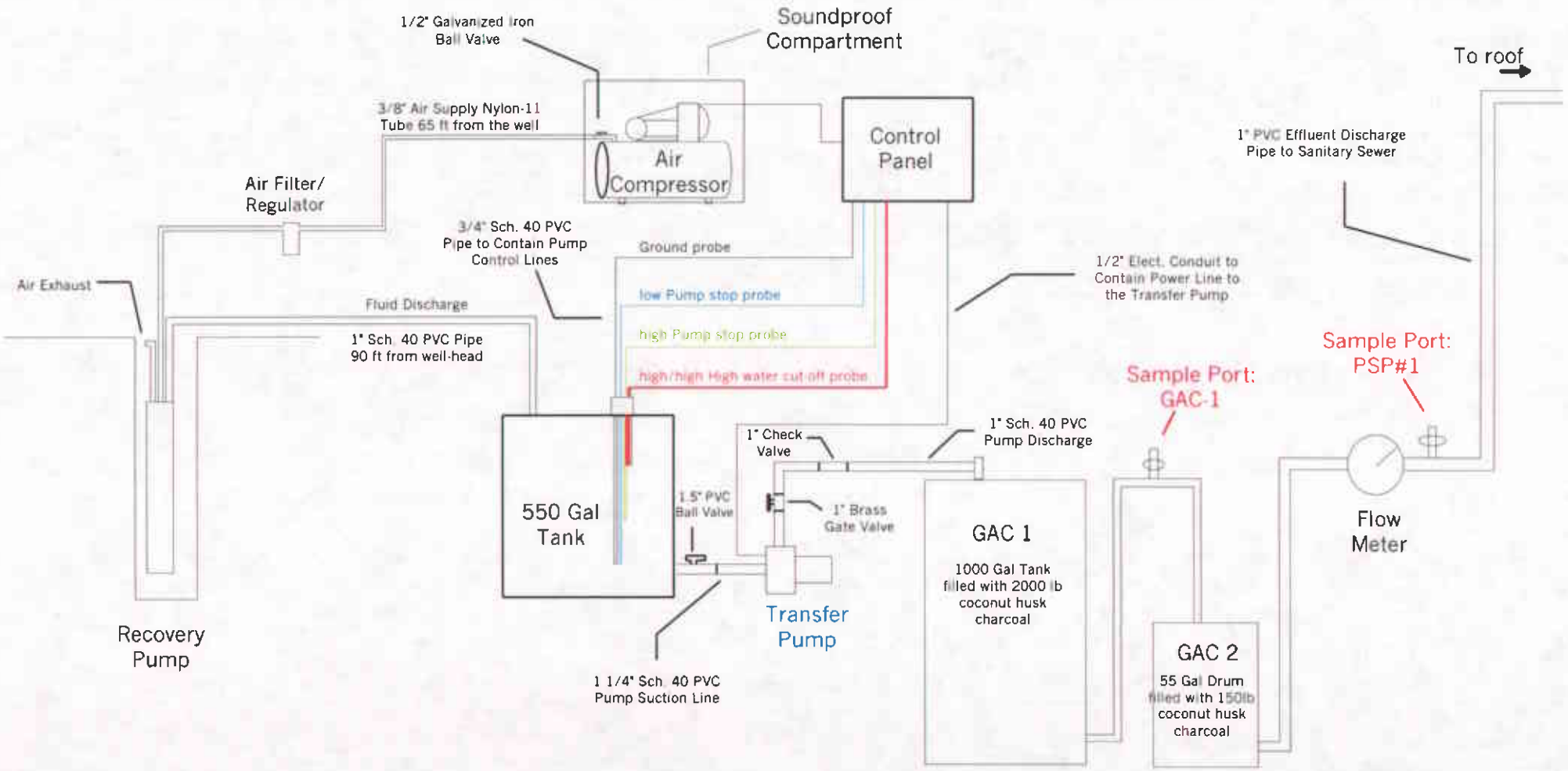


Figure 3: Schematic of the Groundwater Remediation System

# APPENDIX A

## EBMUD DISCHARGE PERMIT

Tony's Express Auto Service
Permit No. 504-27421
Page No. 1

## GENERAL CONDITIONS

I. Title I, Section 5 of EBMUD Ordinance No. 311 prohibits the discharge of groundwater to the community sewer. This Permit to discharge treated groundwater is considered a waiver of the prohibition and is issued based on Tony's Express Auto Service's application that discharge of pollutants to the community sewer will be minimized and methods to reclaim the groundwater, to the extent technically and economically feasible, have been made.

II. This Permit is granted to Tony's Express Auto Service to discharge treated groundwater from 3609 International Boulevard in Oakland.

III. Tony's Express Auto Service shall cease discharge of groundwater immediately if not in compliance with any of the Terms and Conditions of this Permit.

IV. Tony's Express Auto Service shall comply with all items of the attached STANDARD TERMS AND CONDITIONS, July 2000 Edition.

## COMPLIANCE REQUIREMENTS

I. Tony's Express Auto Service shall not discharge any treated wastewater that is known to be, or suspected of, violating wastewater discharge limitations.

II. Tony's Express Auto Service shall pretreat all groundwater before discharging to the sanitary sewer at 3609 International Boulevard in Oakland. Pretreatment shall consist of a minimum of processes displayed in the *Tony's Express Auto Service System Flow Diagram (Figure 3).*

III. Tony's Express Auto Service shall maintain the pretreatment system in proper operating condition.

IV. Tony's Express Auto Service shall maintain records of operation and maintenance activities on the pretreatment systems. The records shall include, but are not be limited to, meter readings from the flow totalizer at a maximum of monthly intervals; maintenance activities performed; description of operational changes; description of visual observations of the unit for leaks or fouling; and off - haul of hazardous wastes. The records shall be available to the District staff upon request.

Tony's Express Auto Service
Permit No. 504-27421
Page No. 2

## REPORTING REQUIREMENTS

I. Violations shall be reported in accordance with Section B, Paragraph II of STANDARD TERMS AND CONDITIONS, July 2000 Edition.

II. Tony's Express Auto Service shall submit technical reports due on the following dates:

| Date Due | Reporting Period |
|---|---|
| June 14, 2000 | November 15, 1999, through May 14, 2000 |
| December 14, 2000 | May 15, 2000 through November 14, 2000 |

The technical reports shall contain the following information, at a minimum:

1. Self-monitoring reports prepared in accordance with the "Self-Monitoring Reporting Requirements" of this Permit.
2. Monthly readings from the flow totalizer measuring volume of the pretreatment system effluent.
3. Volume of groundwater pumped and treated during the reporting period, and a total to date.
4. Description of any operational changes occurred during the reporting period.
5. Certification and signature prepared in accordance with Section B Part V of STANDARD TERMS AND CONDITIONS, July 2000 Edition, "Signature Requirements".

## WASTEWATER DISCHARGE LIMITATIONS

Tony's Express Auto Service shall not discharge wastewater from a side sewer into the community sewer if the strength of the wastewater exceeds the following local limits:

| REGULATED PARAMETER | DAILY MAXIMUM |
|---|---|
| Benzene | 0.005 mg/L |
| Toluene | 0.005 mg/L |
| Ethylbenzene | 0.005 mg/L |
| Xylenes, total | 0.005 mg/L |

Tony's Express Auto Service
Permit No. 504-27421
Page No. 3

## SELF-MONITORING REPORTING REQUIREMENTS

I. Tony's Express Auto Service shall monitor and sample the wastewater discharge into the community sewer in accordance with Section C of STANDARD TERMS AND CONDITIONS, July 2000 Edition. The sampling shall be performed at the locations and frequency for the parameters specified below.

II. Self-monitoring reports shall contain all laboratory results and the corresponding chain of custody documentation, and signatory requirements.

III. The Sample location shall be the sample tap located on the effluent side of the second (final) Liquid Phase GAC. This sample location shall be referred to as Process Sample Point #1 (PSP #1) in all reports. PSP #1 is shown in Tony's Express Auto Service System Flow Diagram (Figure 3) and Schematic Flow (Figure 4).

IV. Tony's Express Auto Service shall sample wastewater from PSP #1, at a minimum, quarterly for the following parameters:

| Parameter | Sample Type | EPA Method |
|---|---|---|
| Benzene | grab | 8020 or 624 |
| Toluene | grab | 8020 or 624 |
| Ethylbenzene | grab | 8020 or 624 |
| Xylenes | grab | 8020 or 624 |

# WASTEWATER DISCHARGE PERMIT

EBMUD

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions



## MONITORING and TESTING CHARGES

| | | | |
|---|---|---|---|
| EBMUD Inspections Per Year: | 2 | @ $540.00 each = | $1,080.00 / year |

Analyses Per Year:

| Parameter | Tests per year | Charge per test | Total Charge per year |
|---|---|---|---|
| EPA 624 | 2 | $127.00 | $254.00 |
| | Total Monitoring and Testing Charge = | | $1,334.00 / year |
| | | | $111.17 / month |

## WASTEWATER DISPOSAL SERVICE CHARGE

All wastewater discharged will be charged for treatment and disposal service at the Business Classification Code (BCC) unit rate for 4950, Sanitary Collection and Disposal, or 'All other BCC's'. Wastewater charges are determined by multiplying the metered consumption by the percent discharged, adding any fixed volume, and multiplied by the treatment charge.

| | | | |
|---|---|---|---|
| Unit Rate = | $0.40 | /Ccf | |
| Discharge Volume = | 293 | Ccf/mo. | (based on 7,200 gpd average) |
| Wastewater Disposal Charge = | $117.20 | /mo. | |

## WASTEWATER CAPACITY FEE

The capacity fee is calculated by multiplying the maximum monthly wastewater discharge volume by the applicable fee in effect at start-up. The capacity fee is based on the maximum monthly discharge of 14,000 gpd or 569 Ccf/month.

| | |
|---|---|
| Capacity Fee Rate for Flow: $ 47.71/Ccf/Mo. * 569Ccf/mo. = | $27,146.99 |
| CODF: 15mg/l * 0.00624 * 569 Ccf/mo. = 53lbs. | |
| Capacity Fee Rate for CODF: ($8.68/lb/mo.) = 53 lbs * $8.68/lb/mo. | $460.04 |
| TSS: 2 mg/l * 0.00624 *569 Ccf/mo. = 7.1 lbs | |
| Capacity Fee Rate for TSS: ($19.30/lb/mo.) = 7.1 lbs * $ 19.30/lb/mo/ | $137.03 |
| Total Capacity Fee = | $27,744.06 |
| Monthly Capacity Fee over 36 months = | $770.67 |

# APPENDIX B

## Laboratory Results and Chain of Custody Forms

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

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

Prepared for:

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

Date: 15-NOV-01
Lab Job Number: 155202
Project ID: 2333
Location: Tony's, Oakland

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

Reviewed by: Paul Prescott
Project Manager

Reviewed by:
Operations Manager

# CHAIN OF CUSTODY FORM



**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
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C&T LOGIN # 155202

Sampler: TONY PERINI
Report To: TONY PERINI
Company: SOMA ENVIRONMENTAL
Telephone: 925-244-6600
Fax: 925-244-6601

Project No: PROJ 2333
Project Name: OAKLAND - TONY'S
Project P.O.:
Turnaround Time: STANDARD

| Laboratory Number | Sample ID. | Sampling Date Time | Matrix: Soil | Matrix: Water | Matrix: Waste | # of Containers | Preservative: HCL | Preservative: $H_2SO$ | Preservative: $HNO_3$ | Preservative: ICE | Field Notes | Analyses: TPH, BTEX, MTBE 8260 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DIFFLUENT | 11/2/01 1445 | | ✓ | | 3 | ✓ | | | ✓ | GRAB SAMPLE | ✓ |
| | EAC-1 | 11/2/01 1440 | | ✓ | | 3 | ✓ | | | ✓ | GRAB SAMPLE | ✓ |
| | PSP#1 | 11/2/01 1435 | | ✓ | | 3 | ✓ | | | ✓ | GRAB SAMPLE | ✓ |

For Laboratory Use

Received ☐ On Ice ☐ Cold ☐ Ambient ☐ Intact

Preservation Correct? ☐ Yes ☐ No ☐ N/A

Notes:

| RELINQUISHED BY: | DATE/TIME | RECEIVED BY: | DATE/TIME |
|---|---|---|---|
| Tony Perini | 11/2/01 1530 | | 11/2/01 1530 |
| TONY PERINI | DATE/TIME | | DATE/TIME |
| | DATE/TIME | | DATE/TIME |

Signature

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Matrix: | Water | Sampled: | 11/02/01 |
| Units: | ug/L | Received: | 11/02/01 |
| Batch#: | 67725 | | |

| | | | |
|---|---|---|---|
| Field ID: | INFLUENT | Diln Fac: | 10.00 |
| Type: | SAMPLE | Analyzed: | 11/08/01 |
| Lab ID: | 155202-001 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 25,000 | 500 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 127 | 59-135 |
| Bromofluorobenzene (FID) | 104 | 60-140 |

| | | | |
|---|---|---|---|
| Field ID: | GAC-1 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Analyzed: | 11/08/01 |
| Lab ID: | 155202-002 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 101 | 59-135 |
| Bromofluorobenzene (FID) | 103 | 60-140 |

| | | | |
|---|---|---|---|
| Field ID: | PSP#1 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Analyzed: | 11/08/01 |
| Lab ID: | 155202-003 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 101 | 59-135 |
| Bromofluorobenzene (FID) | 103 | 60-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC161199 | Analyzed: | 11/07/01 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 98 | 59-135 |
| Bromofluorobenzene (FID) | 96 | 60-140 |

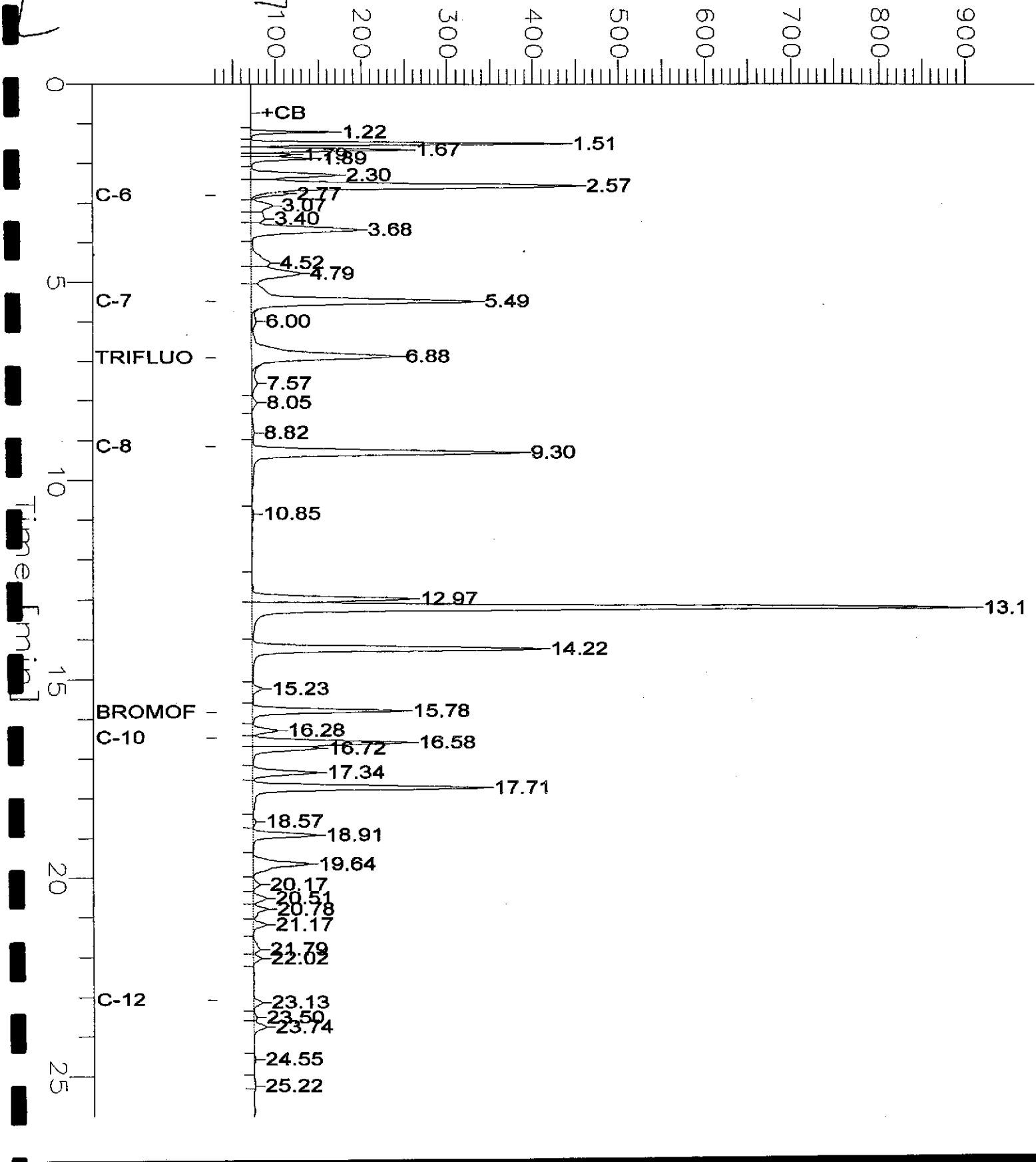
ND= Not Detected
RL= Reporting Limit

# GC04 TVH 'J' Data File FID

Sample Name : 155202-001,67725,tvh only
FileName : G:\GC04\DATA\311J029.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 29 mV

Sample #: B1 Page 1 of 1
Date : 11/8/01 09:12 AM
Time of Injection: 11/8/01 07:34 AM
Low Point : 29.27 mV High Point : 908.68 mV
Plot Scale: 879.4 mV

[INFLUENT]

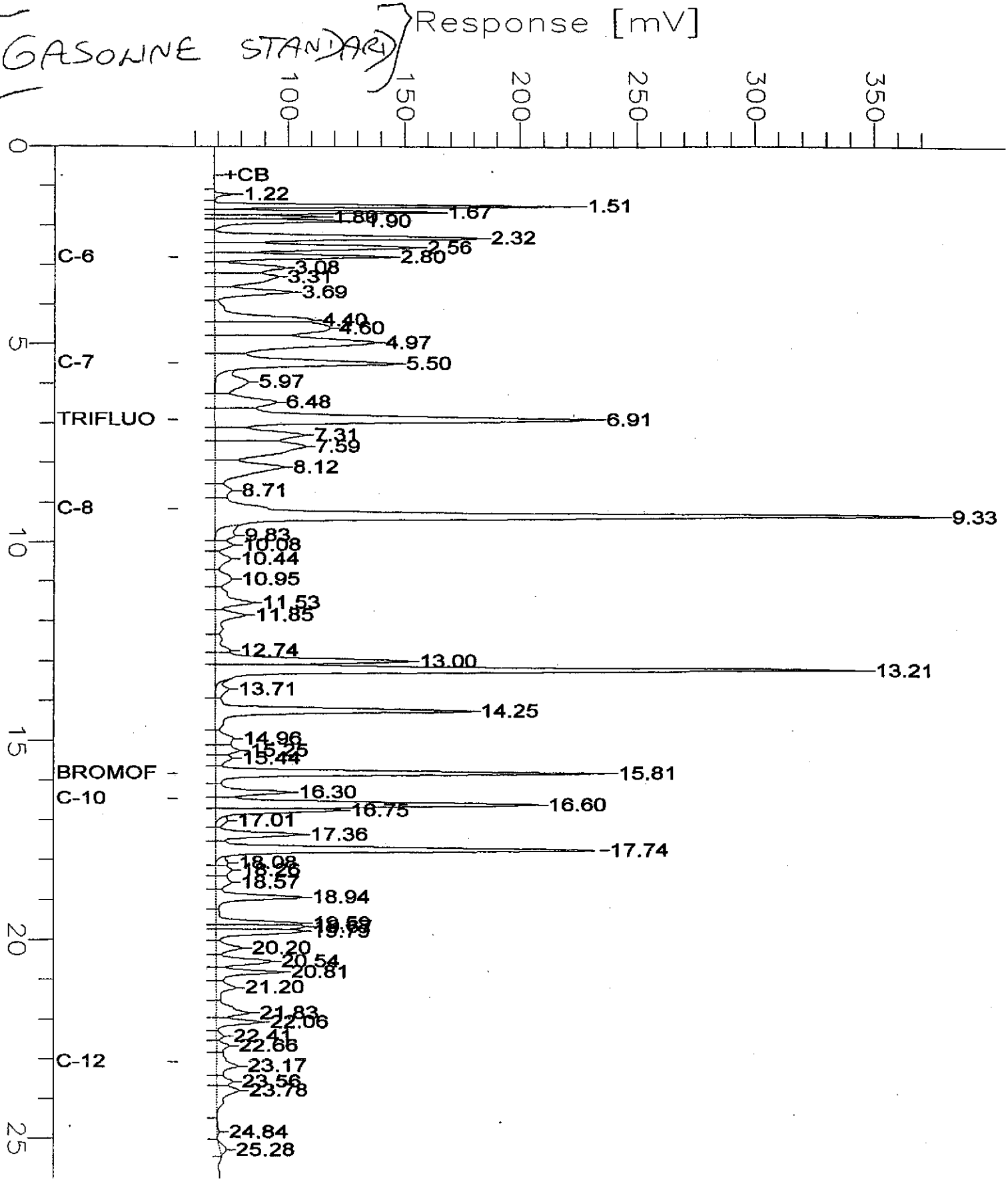


# GC04 TVH 'J' Data File FID

Sample Name : CCV/LCS,QC161200,01WS2019,5/5000
FileName : G:\GC04\DATA\311J002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 53 mV

Sample #: Page 1 of 1
Date : 11/7/01 03:48 PM
Time of Injection: 11/7/01 03:22 PM
Low Point : 52.51 mV High Point : 379.07 mV
Plot Scale: 326.6 mV

[GASOLINE STANDARD]



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## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC161200 | Batch#: | 67725 |
| Matrix: | Water | Analyzed: | 11/07/01 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,928 | 96 | 73-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 112 | 59-135 |
| Bromofluorobenzene (FID) | 101 | 60-140 |

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## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Field ID: | ZZZZZZZZZZ | Batch#: | 67725 |
| MSS Lab ID: | 155189-025 | Sampled: | 11/02/01 |
| Matrix: | Water | Received: | 11/02/01 |
| Units: | ug/L | Analyzed: | 11/07/01 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC161201

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | <33.00 | 2,000 | 1,744 | 87 | 65-131 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 113 | 59-135 |
| Bromofluorobenzene (FID) | 107 | 60-140 |

Type: MSD Lab ID: QC161202

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,813 | 91 | 65-131 | 4 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 114 | 59-135 |
| Bromofluorobenzene (FID) | 108 | 60-140 |

RPD= Relative Percent Difference

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## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | INFLUENT | Batch#: | 67868 |
| Lab ID: | 155202-001 | Sampled: | 11/02/01 |
| Matrix: | Water | Received: | 11/02/01 |
| Units: | ug/L | Analyzed: | 11/10/01 |
| Diln Fac: | 25.00 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | 3,700 | 13 |
| Benzene | 1,100 | 13 |
| Toluene | 1,300 | 13 |
| Chlorobenzene | ND | 13 |
| Ethylbenzene | 600 | 13 |
| m,p-Xylenes | 3,700 | 13 |
| o-Xylene | 1,500 | 13 |
| 1,3-Dichlorobenzene | ND | 13 |
| 1,4-Dichlorobenzene | ND | 13 |
| 1,2-Dichlorobenzene | ND | 13 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | 78-123 |
| Toluene-d8 | 98 | 80-110 |
| Bromofluorobenzene | 103 | 80-115 |

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | GAC-1 | Batch#: | 67868 |
| Lab ID: | 155202-002 | Sampled: | 11/02/01 |
| Matrix: | Water | Received: | 11/02/01 |
| Units: | ug/L | Analyzed: | 11/10/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | 0.6 | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 78-123 |
| Toluene-d8 | 99 | 80-110 |
| Bromofluorobenzene | 107 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | PSP#1 | Batch#: | 67868 |
| Lab ID: | 155202-003 | Sampled: | 11/02/01 |
| Matrix: | Water | Received: | 11/02/01 |
| Units: | ug/L | Analyzed: | 11/10/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | 78-123 |
| Toluene-d8 | 101 | 80-110 |
| Bromofluorobenzene | 109 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC161769 | Batch#: | 67868 |
| Matrix: | Water | Analyzed: | 11/09/01 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 78-123 |
| Toluene-d8 | 99 | 80-110 |
| Bromofluorobenzene | 109 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 155202 | Location: | Tony's, Oakland |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 67868 |
| Units: | ug/L | Analyzed: | 11/09/01 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC161763

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Benzene | 50.00 | 52.01 | 104 | 80-116 |
| Toluene | 50.00 | 53.89 | 108 | 80-120 |
| Chlorobenzene | 50.00 | 51.91 | 104 | 80-117 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 78-123 |
| Toluene-d8 | 102 | 80-110 |
| Bromofluorobenzene | 97 | 80-115 |

Type: BSD Lab ID: QC161764

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Benzene | 50.00 | 50.24 | 100 | 80-116 | 3 | 20 |
| Toluene | 50.00 | 50.51 | 101 | 80-120 | 6 | 20 |
| Chlorobenzene | 50.00 | 49.89 | 100 | 80-117 | 4 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 78-123 |
| Toluene-d8 | 100 | 80-110 |
| Bromofluorobenzene | 96 | 80-115 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

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

Prepared for:

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

Date: 12-OCT-01
Lab Job Number: 154468
Project ID: 2333
Location: Tony's Auto Express-Oak

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

Reviewed by: _____ PP
Project Manager

Reviewed by: _____
Operations Manager

# CHAIN OF CUSTODY FORM



**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 154466

**Sampler:** TONY PERRIN / Naser Pakrou

**Project No:** 2333

**Report To:** Tony Perrin

**Project Name:** Tony's Auto Express OAKLAND

**Company:** SOMA

**Project P.O.:**

**Telephone:** 925-244-6600

**Turnaround Time:** standard

**Fax:** 925-244-6601

| Laboratory Number | Sample ID. | Sampling Date Time | Matrix: Soil | Matrix: Water | Matrix: Waste | # of Containers | Preservative: HCL | Preservative: $H_2SO$ | Preservative: $HNO_3$ | Preservative: ICE | Field Notes | Analyses: TPH-g | Analyses: BTEX, MTBE 8260B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INFluent | 9/28/01 1320 | | ✓ | | 4 | ✓ | | | | Grab Samples | ✓ | ✓ |
| | GAC-1 | 9/28/01 1340 | | ✓ | | 4 | ✓ | | | | Grab Samples | ✓ | ✓ |
| | PSP#1 | 9/28/01 1350 | | ✓ | | 4 | ✓ | | | | Grab Samples | ✓ | ✓ |

For Laboratory Use

Preservation Correct?
☐ Yes ☐ No ☒ N/A

Received ☐ On Ice ☒ Cold ☐ Ambient ☒ Intact

**Notes:**

| RELINQUISHED BY: | RECEIVED BY: |
|---|---|
| Naser Pakrou 9/28/01 1230 DATE/TIME | 9/28/01 2:30 pm DATE/TIME |
| DATE/TIME | DATE/TIME |
| DATE/TIME | DATE/TIME |

Signature

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Matrix: | Water | Sampled: | 09/28/01 |
| Units: | ug/L | Received: | 09/28/01 |

| | | | |
|---|---|---|---|
| Field ID: | INFLUENT | Diln Fac: | 50.00 |
| Type: | SAMPLE | Batch#: | 66866 |
| Lab ID: | 154468-001 | Analyzed: | 10/04/01 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 28,000 | 2,500 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 104 | 59-135 |
| Bromofluorobenzene (FID) | 92 | 60-140 |

| | | | |
|---|---|---|---|
| Field ID: | GAC-1 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Batch#: | 66866 |
| Lab ID: | 154468-002 | Analyzed: | 10/04/01 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 94 | 59-135 |
| Bromofluorobenzene (FID) | 88 | 60-140 |

| | | | |
|---|---|---|---|
| Field ID: | PSP#9 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Batch#: | 66803 |
| Lab ID: | 154468-003 | Analyzed: | 10/03/01 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 101 | 59-135 |
| Bromofluorobenzene (FID) | 117 | 60-140 |

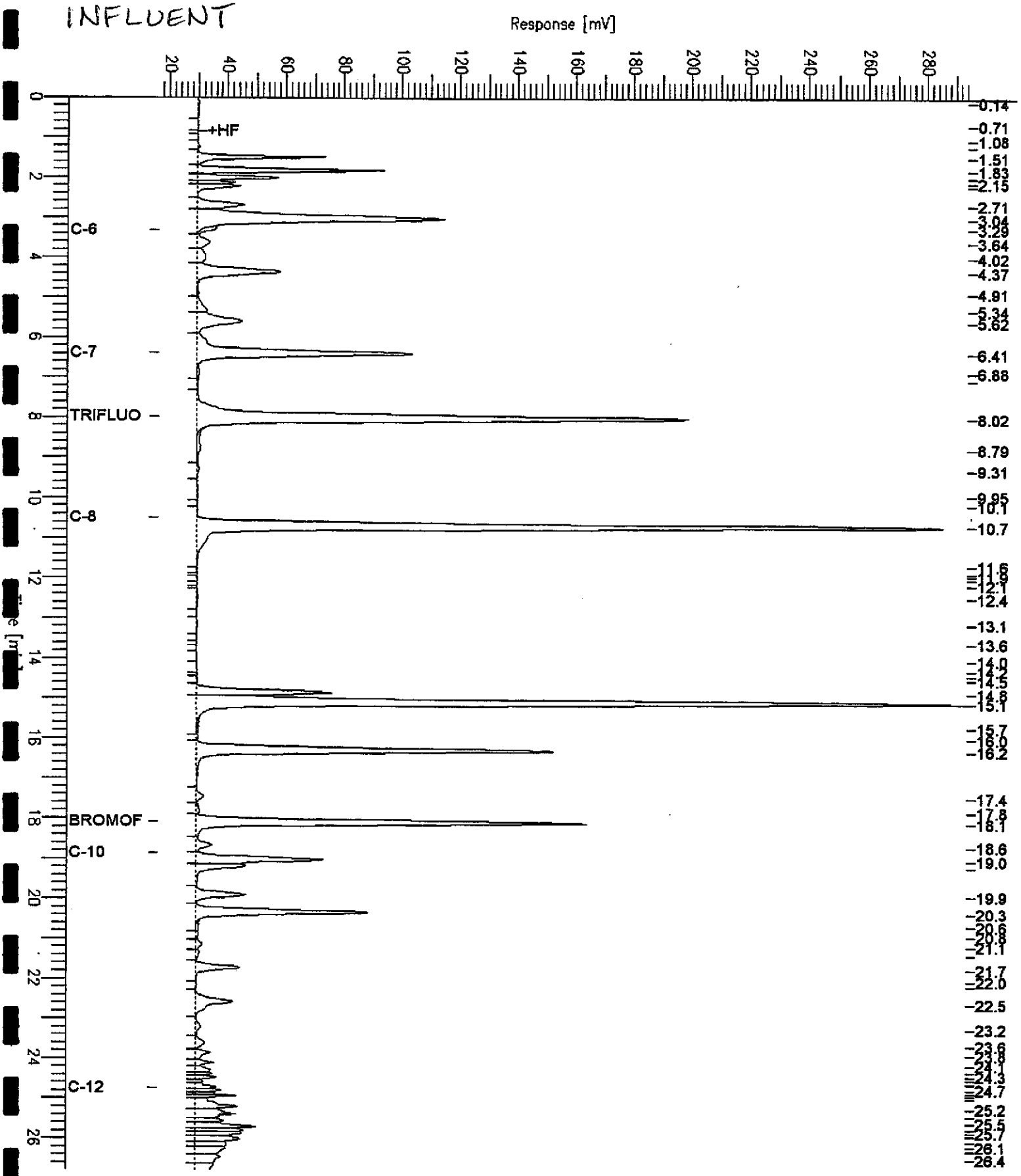
ND= Not Detected
RL= Reporting Limit

# GC19 TVH 'X' Data File (FID)

Sample Name : 154468-001,66866,tvh only
FileName : G:\GC19\DATA\277X008.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: 1.0 Plot Offset: 16 mV

Sample #: A1 Page 1 of 1
Date : 10/5/01 12:44 PM
Time of Injection: 10/4/01 08:47 PM
Low Point : 16.19 mV High Point : 294.10 mV
Plot Scale: 277.9 mV

INFLUENT



Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Matrix: | Water | Sampled: | 09/28/01 |
| Units: | ug/L | Received: | 09/28/01 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 66803 |
| Lab ID: | QC157576 | Analyzed: | 10/02/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 77 | 59-135 |
| Bromofluorobenzene (FID) | 74 | 60-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 66866 |
| Lab ID: | QC157855 | Analyzed: | 10/04/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 98 | 59-135 |
| Bromofluorobenzene (FID) | 87 | 60-140 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC157577 | Batch#: | 66803 |
| Matrix: | Water | Analyzed: | 10/02/01 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 2,062 | 103 | 73-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 59-135 |
| Bromofluorobenzene (FID) | 99 | 60-140 |

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC157856 | Batch#: | 66866 |
| Matrix: | Water | Analyzed: | 10/04/01 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,735 | 87 | 73-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 59-135 |
| Bromofluorobenzene (FID) | 91 | 60-140 |

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Field ID: | ZZZZZZZZZZ | Batch#: | 66803 |
| MSS Lab ID: | 154470-001 | Sampled: | 09/28/01 |
| Matrix: | Water | Received: | 09/28/01 |
| Units: | ug/L | Analyzed: | 10/03/01 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC157580

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | <20.00 | 2,000 | 2,028 | 101 | 65-131 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 120 | 59-135 |
| Bromofluorobenzene (FID) | 116 | 60-140 |

Type: MSD Lab ID: QC157581

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,986 | 99 | 65-131 | 2 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 118 | 59-135 |
| Bromofluorobenzene (FID) | 110 | 60-140 |

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Field ID: | ZZZZZZZZZZ | Batch#: | 66803 |
| MSS Lab ID: | 154495-001 | Sampled: | 10/01/01 |
| Matrix: | Water | Received: | 10/01/01 |
| Units: | ug/L | Analyzed: | 10/03/01 |
| Diln Fac: | 1.000 | | |

ype: MS Lab ID: QC157582

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | <20.00 | 2,000 | 2,017 | 101 | 65-131 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 119 | 59-135 |
| Bromofluorobenzene (FID) | 110 | 60-140 |

ype: MSD Lab ID: QC157583

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 2,032 | 102 | 65-131 | 1 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 119 | 59-135 |
| Bromofluorobenzene (FID) | 111 | 60-140 |

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Field ID: | ZZZZZZZZZZ | Batch#: | 66866 |
| MSS Lab ID: | 154559-001 | Sampled: | 10/03/01 |
| Matrix: | Water | Received: | 10/03/01 |
| Units: | ug/L | Analyzed: | 10/05/01 |
| Diln Fac: | 1.000 | | |

ype: MS Lab ID: QC157857

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | <33.00 | 2,000 | 1,770 | 88 | 65-131 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 59-135 |
| Bromofluorobenzene (FID) | 93 | 60-140 |

ype: MSD Lab ID: QC157858

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,753 | 88 | 65-131 | 1 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 109 | 59-135 |
| Bromofluorobenzene (FID) | 93 | 60-140 |

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

## Gasoline by GC/FID CA LUFT

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | 8015B(M) |
| Field ID: | ZZZZZZZZZZ | Batch#: | 66866 |
| MSS Lab ID: | 154534-001 | Sampled: | 10/02/01 |
| Matrix: | Water | Received: | 10/02/01 |
| Units: | ug/L | Analyzed: | 10/05/01 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC157859

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | <33.00 | 2,000 | 1,754 | 88 | 65-131 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 59-135 |
| Bromofluorobenzene (FID) | 94 | 60-140 |

Type: MSD Lab ID: QC157860

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 2,000 | 1,748 | 87 | 65-131 | 0 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 59-135 |
| Bromofluorobenzene (FID) | 94 | 60-140 |

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | INFLUENT | Batch#: | 66813 |
| Lab ID: | 154468-001 | Sampled: | 09/28/01 |
| Matrix: | Water | Received: | 09/28/01 |
| Units: | ug/L | Analyzed: | 10/02/01 |
| Diln Fac: | 25.00 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | 4,100 | 13 |
| Benzene | 1,100 | 13 |
| Toluene | 3,700 | 13 |
| Chlorobenzene | ND | 13 |
| Ethylbenzene | 620 | 13 |
| m,p-Xylenes | 3,500 | 13 |
| o-Xylene | 1,700 | 13 |
| 1,3-Dichlorobenzene | ND | 13 |
| 1,4-Dichlorobenzene | ND | 13 |
| 1,2-Dichlorobenzene | ND | 13 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 97 | 80-110 |
| Bromofluorobenzene | 102 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | GAC-1 | Batch#: | 66776 |
| Lab ID: | 154468-002 | Sampled: | 09/28/01 |
| Matrix: | Water | Received: | 09/28/01 |
| Units: | ug/L | Analyzed: | 10/01/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 78-123 |
| Toluene-d8 | 100 | 80-110 |
| Bromofluorobenzene | 97 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Field ID: | PSP#9 | Batch#: | 66776 |
| Lab ID: | 154468-003 | Sampled: | 09/28/01 |
| Matrix: | Water | Received: | 09/28/01 |
| Units: | ug/L | Analyzed: | 10/01/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 78-123 |
| Toluene-d8 | 103 | 80-110 |
| Bromofluorobenzene | 106 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC157470 | Batch#: | 66776 |
| Matrix: | Water | Analyzed: | 10/01/01 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 115 | 78-123 |
| Toluene-d8 | 102 | 80-110 |
| Bromofluorobenzene | 96 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC157620 | Batch#: | 66813 |
| Matrix: | Water | Analyzed: | 10/02/01 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| MTBE | ND | 0.5 |
| Benzene | ND | 0.5 |
| Toluene | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 97 | 80-110 |
| Bromofluorobenzene | 101 | 80-115 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 66776 |
| Units: | ug/L | Analyzed: | 10/01/01 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC157467

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Benzene | 50.00 | 50.58 | 101 | 80-116 |
| Toluene | 50.00 | 48.09 | 96 | 80-120 |
| Chlorobenzene | 50.00 | 45.37 | 91 | 80-117 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 78-123 |
| Toluene-d8 | 100 | 80-110 |
| Bromofluorobenzene | 105 | 80-115 |

Type: BSD Lab ID: QC157468

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Benzene | 50.00 | 47.41 | 95 | 80-116 | 6 | 20 |
| Toluene | 50.00 | 47.81 | 96 | 80-120 | 1 | 20 |
| Chlorobenzene | 50.00 | 45.05 | 90 | 80-117 | 1 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 112 | 78-123 |
| Toluene-d8 | 107 | 80-110 |
| Bromofluorobenzene | 98 | 80-115 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

# Purgeable Aromatics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 154468 | Location: | Tony's Auto Express-Oak |
| Client: | SOMA Environmental Engineering Inc. | Prep: | EPA 5030B |
| Project#: | 2333 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 66813 |
| Units: | ug/L | Analyzed: | 10/02/01 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC157617

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Benzene | 50.00 | 45.11 | 90 | 80-116 |
| Toluene | 50.00 | 45.28 | 91 | 80-120 |
| Chlorobenzene | 50.00 | 46.01 | 92 | 80-117 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 99 | 80-110 |
| Bromofluorobenzene | 101 | 80-115 |

Type: BSD Lab ID: QC157618

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Benzene | 50.00 | 46.74 | 93 | 80-116 | 4 | 20 |
| Toluene | 50.00 | 46.78 | 94 | 80-120 | 3 | 20 |
| Chlorobenzene | 50.00 | 46.77 | 94 | 80-117 | 2 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 98 | 80-110 |
| Bromofluorobenzene | 100 | 80-115 |

RPD= Relative Percent Difference

# Delta Environmental Laboratories, LLC

Chain of Custody (COC) Form

685 Stone Road #11 & 12
Benicia, Ca, 94510
(707( 747-6081, 800-7476082 FAX (707) 747-6082

Project Name: 2333 Tony's Auto express Int Blv. Oakland

LAB ID 6243

Ref #

| | |
|---|---|
| Results to:Naser Pakrou | |
| SOMA Environmental Engineering | |
| 2680 Bishop Dr., #203 | |
| San Ramon, CA 94503 | |
| Telephone 1-925-244-6600 | Fax 925-244-6601 |
| Sampler's Signature Naser Pakrou | |
| Turnaround Time Standard | |

Special Instructions::

| # | Sample ID | Date | Time | Matrix | No. of containers | pH | Temperature | Hcl preservative | TPH# | BTEX, MTBE (8260B) | | | | | | | | Others | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Influent | 8/22 | 7:45 | H2O | 3 | | | ✓ | ✓ | ✓ | | | | | | | | | Grab sample |
| 2 | GAC-1 | " | 7:50 | " | 3 | | | ✓ | ✓ | ✓ | | | | | | | | | " |
| 3 | PSP#1 | " | 8:00 | " | 3 | | | ✓ | ✓ | ✓ | | | | | | | | | " |
| | | | | | | | | | | | | | | | | | | | " |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| Relinquished by: Naser Pakrou | Date 8/23 | Laboratory Comments: Sample received on ice and in Good Condition |
| Received By: Aileen | Date 8/23/01 | |
| Relinquished by: | Date | |
| Received By: | Date | |

For Lab Use Only:

# DELTA
ENVIRONMENTAL LABORATORIES, Ltd

**SOMA**
2680 Bishop Drive #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

**Attention:** Naser Pakrou

QC Batch: 8283001

| | |
|---|---|
| Ref. | R6243_100 |
| Method: | EPA 8260B |
| Sampled: | 08/22/01 |
| Received: | 08/23/01 |
| Matrix | Water |
| Prepared | 08/28/01 |
| Analyzed: | 8/28-30/01 |
| Reported: | 08/31/01 |
| Analyst: | DS |
| Unit | ug/L |
| QC batch | 8283001 |
| COC no. | 6243 |
| Work Order: | 2333 |

**Laboratory Results of Analysis for BTEX & MTBE**

| Analyte | CAS# | Detection Limit ug/L | Results | | |
|---|---|---|---|---|---|
| | | | Sample ID | | |
| | | | Influent | GAC-1 | PSP#1 |
| **BTEX** | | | | | |
| Benzene | 71-43-2 | 0.5 | 880 | ND | ND |
| Toluene | 108-88-3 | 0.5 | 758 | ND | ND |
| Ethylbenzene | 100-41-4 | 0.5 | 131 | ND | ND |
| m-p-Xylenes | 1330-20-7 | 0.5 | 684 | ND | ND |
| o-xylene | 95-47-6 | 0.5 | 350 | ND | ND |
| | | | | | |
| **MTBE** | 01634-04-4 | 0.5 | 11,570 | ND | ND |
| | | | | | |
| **Surrogate** | **Conc.** | | **% Recovery** | | |
| Bromofluorobenzene | 20 | | 98 | 97 | 98 |

ND:Not Detected

Delta Environmental Laboratories,

**Hossein Khosh Khoo, Ph.D.**
**Laboratory Director/ President**

**SOMA**
2680 Bishop Drive #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

| | |
|---|---|
| Ref. | R6243_B100 |
| Method: | EPA 8260B |
| Sampled: | 08/22/01 |
| Received: | 08/23/01 |
| Matrix | Water |
| Prepared | 08/28/01 |
| Analyzed: | 8/28-30/01 |
| Reported: | 08/31/01 |
| Analyst: | DS |
| Unit | ug/L |
| QC batch | 8283001 |
| COC no. | 6243 |
| Work Order: | 2333 |

QC Batch: 8283001

**Attention:** Naser Pakrou

**Laboratory Results of Analysis for BTEX & MTBE**

| Analyte | CAS# | Detection Limit ug/L | Results |
|---|---|---|---|
| | | | Sample ID |
| | | | Blank |
| **BTEX** | | | |
| Benzene | 71-43-2 | 0.5 | ND |
| Toluene | 108-88-3 | 0.5 | ND |
| Ethylbenzene | 100-41-4 | 0.5 | ND |
| m-p-Xylenes | 1330-20-7 | 0.5 | ND |
| o-xylene | 95-47-6 | 0.5 | ND |
| | | | |
| **MTBE** | 01634-04-4 | 0.5 | ND |
| | | | |
| **Surrogate** | **Conc.** | | **% Recovery** |
| Bromofluorobenzene | 20 | | 103 |

ND:Not Detected

Delta Environmental Laboratories,

**Hossein Khosh Khoo, Ph.D.**
**Laboratory Director/ President**

**SOMA**
2680 Bishop Drive #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

QC Batch: 82801

**Attention:** Naser Pakrou

| | |
|---|---|
| Ref. | R6243_400 |
| Method: | EPA 5030/8015M |
| Sampled: | 08/22/01 |
| Received: | 08/23/01 |
| Matrix | Water |
| Prepared | 08/28/01 |
| Analyzed: | 08/28/01 |
| Reported: | 08/31/01 |
| Analyst: | DS |
| Unit | ug/L |
| QC batch | 82801 |
| COC no. | 6243 |
| Work Order: | 2333 |

**Laboratory Results of Analysis forTPH-G**

| Analyte | Detection Limit ug/L | Results | | |
|---|---|---|---|---|
| | | Sample ID | | |
| | | Influent | GAC-1 | PSP#1 |
| | | | | |
| | | | | |
| TPH-G | 50 | 10,190 | ND | ND |
| | | | | |
| Surrogate | | % Recovery | | |
| Bromofluorobenzene | | 102 | 99 | 98 |

ND:Not Detected

Delta Environmental Laboratories,

Hossein Khosh Khoo, Ph.D.
**Laboratory Director/ President**

**SOMA**
2680 Bishop Drive #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

QC Batch: 82801

**Attention:** Naser Pakrou

| | |
|---|---|
| Ref. | R6243_B400 |
| Method: | EPA 5030/8015M |
| Sampled: | 08/22/01 |
| Received: | 08/23/01 |
| Matrix | Water |
| Prepared | 08/28/01 |
| Analyzed: | 08/28/01 |
| Reported: | 08/31/01 |
| Analyst: | DS |
| Unit | ug/L |
| QC batch | 82801 |
| COC no. | 6243 |
| Work Order: | 2333 |

**Laboratory Results of Analysis forTPH-G**

| Analyte | Detection Limit ug/L | Results |
|---|---|---|
| | | Sample ID |
| | | Blank |
| | | |
| | | |
| TPH-G | 50 | ND |
| | | |
| Surrogate | | % Recovery |
| Bromofluorobenzene | | 101 |

ND:Not Detected

Delta Environmental Laboratories,

Hossein Khosh Khoo, Ph.D.
Laboratory Director/ President

## Quality Control Report

**Client:**
SOMA
2680 Bishop Drive, #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

QC Batch: 82801

| | |
|---|---|
| Ref.: | Q6243_400 |
| Method | EPA 5030/8015M |
| Sampled: | 8/22/2001 |
| Received: | 8/23/2001 |
| Matrix: | Water |
| Analyzed: | 8/28/2001 |
| Analyst | DS |
| Reported: | 8/31/2001 |
| Units: | ug/L |
| Sample ID | Blank |

**Quality Control Report for TPH-G Analysis**

| Analyte | Detection Limit ug/L | Sample Result ug/L | Spike Added ug/L | % MS Recovery | % MSD Recovery | Relative % Difference RPD | Method |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| TPH-G | 50 | ND | 400 | 94 | 91 | 3.2 | 5030/8015M |
| | | | | | | | |
| **Surrogate** | **Conc.** | | | **% Recovery** | | | |
| Bromofluorobenzene | 20 | | | 115 | 115 | | |

Delta Environmental Laboratories

**H.Khosh Khoo, PhD.**
**Laboratory Director/President**

## Quality Control Report

**Client:**
SOMA
2680 Bishop Drive, #203
San Ramon, CA 94503

**Client Project ID:**
2333
Tony's Auto express
Int Blv, Oakland

QC Batch: 8283001

Ref.: Q6243_100
Method EPA 8260B
Sampled: 8/22/2001
Received: 8/23/2001
Matrix: Water
Analyzed: 8/28-30/01
Analyst DS
Reported: 8/31/2001
Units: ug/L
Sample ID Blank

**Quality Control Report for MTBE & BTEX Analysis**

| Analyte | Detection Limit ug/L | Sample Result ug/L | Spike Added ug/L | % MS Recovery | % MSD Recovery | Relative % Difference RPD | Method |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Benzene | 0.5 | ND | 20 | 94 | 96 | 2.1 | 8260B |
| Toulene | 0.5 | ND | 20 | 95 | 94 | 1.1 | 8260B |
| Ethylbenzene | 0.5 | ND | 20 | 95 | 93 | 2.1 | 8260B |
| Total-Xylene | 1.0 | ND | 40 | 96 | 92 | 4.3 | 8260B |
| | | | | | | | |
| MTBE | 0.5 | ND | 20 | 100 | 108 | 7.7 | 8260B |
| | | | | | | | |
| **Surrogate** | **Conc.** | | | **% Recovery** | | | |
| Bromofluorobenzene | 20 | | | 108 | 103 | | |

Delta Environmental Laboratories

**H.Khosh Khoo, PhD.,**
**Laboratory Director/President**