

December 5, 2000

Trish Maguire
Wastewater Control Representative
East Bay Municipal Utility District
EBMUD – Mail Slot #702
Source Control Division
P.O. Box 24055
Oakland, CA 94623-1055

RE: Tony's Express Auto Service 3609 International Blvd. Oakland, CA 94601 Wastewater Discharge Permit No. 504-27421

Dear Ms. Maguire:

In compliance with our Wastewater Discharge Permit and as requested in your letter dated November 6, 2000, I have enclosed the semi-annual technical report for Tony's Express Auto Service. This report contains a record of discharge from the system, as well as an account of all changes made to the system. Also included in the report are the documents related to the sampling of the effluent at the site. Each lab report contains the chain of custody, the lab results, and any QA/QC analyses performed by the laboratory. Please contact me if you have any questions or comments.

Thank you,

Patrick Sullivan

Project Hydrogeologist

SOMA Environmental Engineering, Inc.

Patris a. pullwan

(952) 244-6600

cc: Mr. Abolghassem Razi w/enclosure

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

00 DEC 15 PM 3: 11

Certification Statement

Chief Executive Officer

Abolghassem Razi	Owner	<u> </u>
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

12-8-2000

Date

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March 12, 2000

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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. Currently, the groundwater monitoring wells are 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 used as a gasoline service station. The environmental investigation at the subject property started since 1992, when Mr. Razi, the property owner 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 underground storage tanks (USTs) have 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 additional investigation and perform groundwater monitoring on a quarterly basis. The results of WEGE 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 CAP study indicated that installation of a French Drain along with 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 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 from May 15, 2000 to November 14, 2000.

2.0 TREATMENT SYSTEM OPERATION

The operation of the treatment system was started on December 6, 1999. Since then, more than 850,000 gallons (recording date is November 2000) 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 since August, and weekly before that.

Table-1 shows total volume of effluent discharged to EBMUD, as well as the results of laboratory analysis of the effluent treated at the Site. Table-1 shows that all effluent samples during discharge have maintained compliance with the permit, having values below the level of detection limit. During the past 6 months, approximately 11,000 gallons of chemically impacted groundwater per week has been processed by the treatment system. This is roughly half of the 20,000 gallons treated weekly during the prior six-month period, and is likely due to the decrease in precipitation and lowering of the local water table. We expect this trend to reverse during the next few months.

Based on our original calculations, we anticipated using 2546 pounds of carbons to treat the groundwater annually. However, these calculations were based on TPH-g being the limiting factor. In reality, it has been MTBE that is the first to breakthrough. As a result, 6500 pounds of carbon has been used by the treatment system: approximately 4000 pounds from November 1999 to May 2000, and 2500 pounds from May to November of 2000.

3.0 CHANGES TO REMEDIATION SYSTEM

No modifications have been made to the system. The only changes that have been made to the system are the monthly replacement of spent charcoal from the GACs.

4.0 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 Delta Environmental Laboratories, as well as the data summaries produced by the previous environmental consultants. 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 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.

5.0 REFERENCES

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

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".

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

TABLES

Table 1: Total Volume of Water Treated and Effluent Chemistry
Tony's Auto Express, Oakland, California

	Date	Meter Reading		Lab	Results For (GAC-1 and tions in ug/l	Effluent* -)	
	Sampling & Read	(Gallons)	MTBE	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylene
November	11/14/00	854,000		<u> </u>			<u> </u>	
	11/7/00	842,000		<u>C</u>	urrently Awa	iting Lab R	esuits 	
	1010000	205.000	<u> </u>	ļ				
<u>October</u>	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		<u> </u>				
	10/5/00	812,000		<u> </u>		NIS.	ND	ND
	10/1/00	809,000	ND	ND	ND ND	<u>ND</u>	NO NO	100
September	9/28/00	807,000						
30 p 60 110 0	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						
Muquet	8/27/00	781,000	ND	ND	ND	ND	<u>ND</u>	ND
	8/24/00	778,000						
		700 000	ND	ND	ND	ND	ND ND	ND
July	07/26/200	726,000	ND ND	ND ND	ND	ND	ND	ND
	07/19/200	718,000	ND ND	ND	ND	ND	ND	ND
	07/13/200	712,000		ND ND	ND	ND	ND	ND
	07/07/200	706,000	<u>ND</u>	IND	 	1.00		
June	06/29/00	700,000	<u>ND</u>	ND	<u>ND</u>	ND	ND	ND
54110	06/21/00	682,220	ND	ND	ND	ND	ND ND	ND ND
	06/16/00	669,720	ND	ND	ND	<u>ND</u>	ND ND	ND ND
	06/10/00	651,200	ND	ND ND	ND	ND	ND ND	H ND
	06/02/00		<u>ND</u>	ND ND	ND	ND	ND	T ND
May	05/31/00	629,000	ND	ND ND	ND	ND	ND	ND

Table 1: Total Volume of Water Treated and Effluent Chemistry
Tony's Auto Express, Oakland, California

	Date Sampling	Meter Reading						
	& Read	(Gallons)	MTBE	TPH-g	Benzene	ations in ug/l Toluene	Ethylbenzene	Total Xylene
	05/23/00	603,700	ND	ND	ND	<u>ND</u>	<u>ND</u>	ND
	05/23/00	570,000	ND	ND	ND	ND	ND	ND
	05/10/00	530,400	ND	ND	ND	ND	ND	ND
	05/10/00	330,400						
	04/30/00	488,300	ND	ND	ND	ND	ND	ND
April	04/30/00	485,300	ND	ND	ND	ND	ND	0.51
	04/10/00	440,200	ND	ND	ND	ND	ND	ND
		390,100	ND	ND	ND	ND	<u>ND</u>	ND
	04/04/00	390,100	10					
Marah.								
March	03/24/00	388,000	ND	ND	ND	ND	ND	ND_
	03/24/00	357,100	ND	ND	ND	ND	ND	ND
	03/17/00	329,000	ND	ND	ND	ND	<u>ND</u>	ND
	03/03/00	300,000						
<u> </u>	03/03/00	000,000						
February			ND	ND	ND	ND	ND	ND
	02/25/00	274,000	ND VID	ND	ND	ND	ND	ND
	02/18/00	233,000	ND	ND ND	+ ND	ND	ND	ND
	02/11/00	190,000	ND	- ND	ND	ND	ND	ND
	02/04/00	160,800	ND	ND	140			
January				115	100	ND	ND	ND
	01/28/00	130,600	ND	ND	ND NO	ND	ND	ND
	01/21/00	103,435	ND	ND	ND ND	ND ND	ND	ND
	01/14/00	83,500	185	DI	NU	T NO		
December						ND	ND ND	ND
	12/23/99	51,680	1486	NA NA	ND_	ND ND	ND ND	ND
	12/23/99		ND	<u>NA</u>	ND	ND ND	ND ND	ND
	12/16/99	30,450	963	NA	ND ND	11 (2)	ND ND	ND
	12/16/99		ND.	NA NA	ND	ND ND	ND	ND
	12/09/99	9,000	230	ND	ND cember 6, 19	744	IND	

* Effluent is equivalent to GAC-2

FIGURES

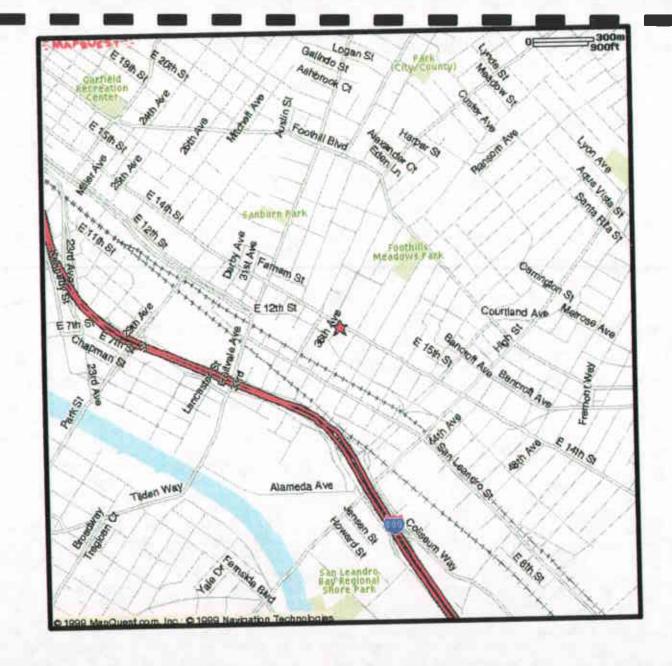


Figure 1: Site Location Map



International Blvd. (old E. 14th Street)

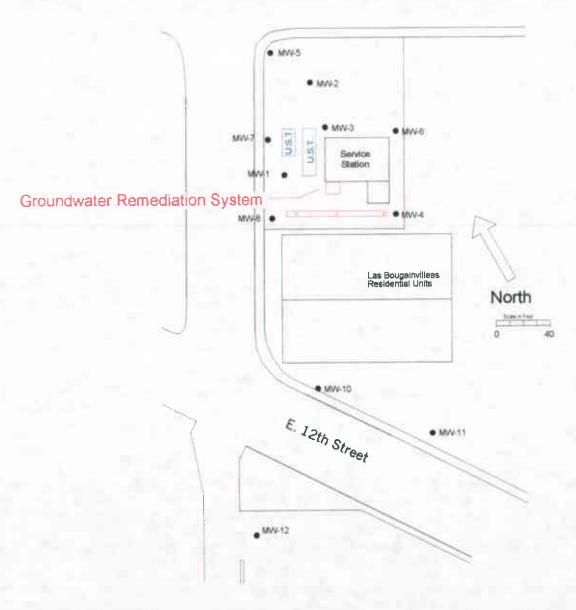


Figure 2: Site Map



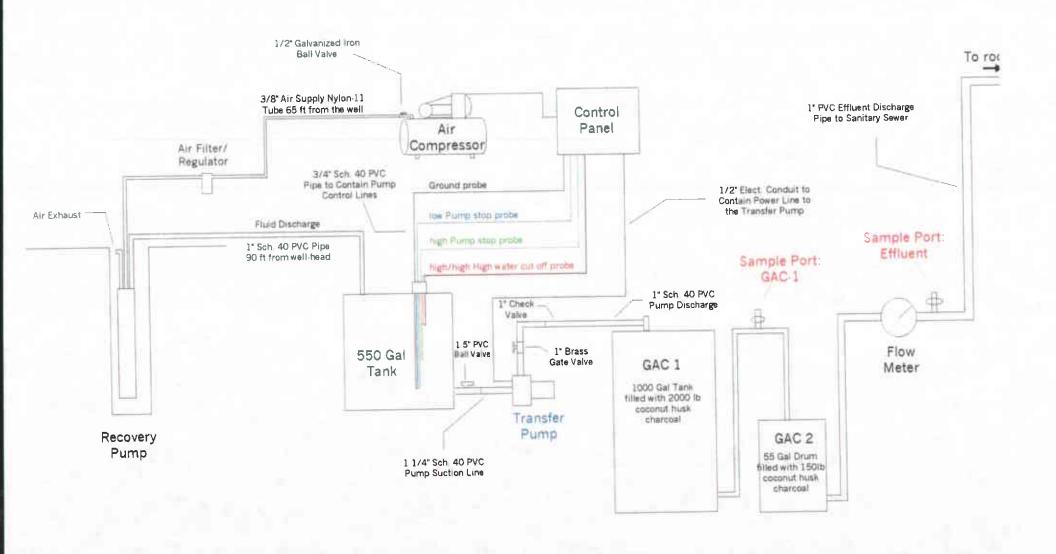


Figure 3: Revised Schematic of the Groundwater Remediation System, March 12, 2000



APPENDIX A

EBMUD DISCHARGE PERMIT

B

WASTEWATER DISCHARGE PERMIT

Terms and Conditions
APPLICANT INFORMATION

PERMIT NUMBER #504.2742/

MUD		TIT OTGERATION
PLICANT BUSINESS NAME		
y's Express Auto Service		
RSON TO BE CONTACTED IN EVENT OF EMERGENCY	ADDRESS OF PREMISES DISCHARC	ING WASTEWATER
ce Scofield	3609 International Bou	levard
ne	Street Address	
5) 244-6600 (925) 244-6600 Night Phone	Oakland, CA	94601
· Tr	City	Zip Code
25) 244-6601 mber		
SON TO BE CONTACTED ABOUT THIS APPLICATION	FACILITY MAILING ADDRESS	
ce Scofield	3609 International Bou	levard
ne .	Street Address	
ironmental Engineer	Oakland, CA	94601
	City	Zip Code
5) 244-6600 (925) 244-6601	N/A	
one Fax Number	Electronic Mail Address (E-Mail)	
EXECUTIVE OFFICER/DULY AUTHORIZED REPRESENT	ATIVE	
olghassem Razi	Owner	<u>.</u>
printed)	Title	
International Boulevard	Oakland, CA	94601

CERTIFICATION

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

ature (see certification requirements on reverse)

6.007



WASTEWATER DISCHARGE PERMIT

Terms and Conditions

PURPOSE of wastewa	C: This in ter discha	nformation wi arged to the c	ll enable ommuni	EBMU	D to er	aluate the	volume	es and source(s)	Pe	rmit Numl	ber
Water Use NOTE: She	and Dis	position Esti parate sheet th	mate the	average DD AND	quant CALC	ity of wate	er receiv S used to	ed and wastewa	ter discl	narged d	aily. the table.
		Supply From Discha									
		EBMUD		(Other (1)	Co	mmunity Sewer		Other	(2)
WATER US	SED FOR:	gal/day		gal/day code				gal/day			
SANITARY	,							<u>gar da j</u>		al/day	code
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BOILER		!							 		- -
COOLING									 	·-··	
WASHING								· · · · · · · · · · · · · · · · · · ·	 		·
IRRIGATIO	N								 		
OTHER (3)				5,000)	a.		5,000			-
											<u> </u>
							· - -		<u> </u>		
TOTAL											
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			JUL								
	-	Office									· · · · · · · · · · · · · · · · · · ·
	No.	OTHEC .				duction (nu	mber of	employees per sh	ift)		
				Day S	Shift			employees per sh Swing shift	ifi)	Night	shift
Weekday		Hours		Day S	Shift Ho	ours				Night No.	shift Hours
	2	Hours	p.m.	No.	Shift Ho			Swing shift		No.	Hours
Saturday	2	Hours Pa.mlo 6 to	p.m.	No. 3 9	Shift Ho am ^{fo}	ours	No.	Swing shift Hours		No.	
Saturday Sunday	2 0 0	Hours 9a.mlo 6 to		No. 3 9 1 12	Shift Ho am ^{to} am ^{to}	ours O 6 pm	No.	Swing shift Hours 5 pm t2 am		No. 1 2 z	Hours am to 9 am
Saturday Sunday Purce of Wa	2 0 0	Hours Pa.mlo 6 to		No. 3 9 1 12	Shift Ho am ^{fo} am ^{to}	ours O 6pm	No. 1 0	Swing shift Hours 6pm to2am to		No. 1 2 a	Hours am to 9am to to
Saturday Sunday urce of Water Met	2 0 0 astewater	Hours 9a.mlo 6 to		No. 3 9 1 12	Shift Ho am to am to	ours 0 6pm 0 12am 0 12am	No. 1 0	Swing shift Hours 5pm 102am to to		No. 1 2 a	Hours am to 9am to to Total %
Saturday Sunday Purce of Wa	2 0 0 astewater	Hours Pa.mlo 6 to to To Discharged		No. 3 9 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am to 9am to to Total % Disch. to all
Saturday Sunday urce of Wa Water Met Number	2 0 0 er	Hours Ba.mio 6 to to To Discharged Use Code		No. 3 9 1 12 1 12	Shift Ho am to am to	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5pm 102am to to		No. 1 2 a	Hours am 10 9 am to to Total % Disch. to all side sewers
Saturday Sunday urce of Wa Water Met Number	2 0 0 er	Hours 9a.mlo 6 to to To Discharged Use Code (see reverse)	No. 1	No. 3 9 1 12 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am to 9am to to Total % Disch. to all side sewers 100
Water Met Number	2 0 0 er	Hours 9a.mlo 6 to to To Discharged Use Code (see reverse)	No. 1 100	No. 3 9 1 12 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am 10 9 am to to Total % Disch. to all side sewers
Saturday Sunday ource of Wa Water Met Number	2 0 0 er	Hours 9a.mlo 6 to to To Discharged Use Code (see reverse)	No. 1 100	No. 3 9 1 12 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am to 9am to to Total % Disch. to all side sewers 100
Saturday Sunday urce of Wa Water Met Number	2 0 0 er	Hours 9a.mlo 6 to to To Discharged Use Code (see reverse)	No. 1 100	No. 3 9 1 12 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am to 9am to to Total % Disch. to all side sewers 100
Saturday Sunday urce of Wa Water Met Number	2 0 0 er	Hours 9a.mlo 6 to to To Discharged Use Code (see reverse)	No. 1 100	No. 3 9 1 12 1 12	Shift Ho am to am to Percer	ours 0 6pm 0 12am 0 12am 11 (%) disc	No. 1 0 0 charged	Swing shift Hours 5 pm 102 am to to to: Side Sewer		No.	Hours am to 9am to to Total % Disch. to all side sewers 100



WASTEWATER DISCHARGE PERMIT

FACILITY NAME Tony's Express Auto Service

Terms and Conditions PROCESS DESCRIPTION

PURPOSE - The Process Description is activities and the substances which may e	intended to provide a description ter into the wastewater from t	on of the he busines	primary business ss activity.		Permit Number					
BUSINESS ACTIVITY		Sta	indard Industrial Cla	ssification	Business Classification Code					
Service Station		Ga	s Service	1						
DESCRIPTION OF PRODUCT				Dod bio.	0200					
TYPE OF PRODUCT	OR BRAND NAME		QUANTITIES - INDICATE UNITS 10/98 to 10/99 10/00							
Gasoline			10/98 to 10 Mo. Year Mo.		Estimated This Year 1099 to 10 / 00					
Contaminated Groundwat	er		1,000 ga		Mo. Year Mo. Year 365,000					
PROCESS DESCRIPTION				 						
Process Description List all wastewater generating operation			Characteristi	c <i>s</i>	Process Number					
Groundwater Extraction		TEX.	substances that may be dischi M 마유 문	arged to the sewer	From Schematic					
		, 1 1 1 1 1	.11.010		1, 2					
				 .						
RETREATMENT FACILITIES										
			·							
Pretreatment: Check the type of treatme	nt, if any, given wastewater be	fore it is c	lischarged to the c	ommunity:	sewer:					
— i tom — notomb min — greas	e trap U oil and water separ	rator 🗀	grinding se	dimentation	ı □ pH adjustment					
☐ biological treatment ☐ screening	☐ chlorination X other	(describe)	activated	carbo	<u>on</u>					
Description: Describe the loading rates, side sewer to which treated wastewater it	design capacity, physical size,	etc. of eac	ch pretreatment fa	cility check	ted above. Identify the					
Groundwater with avera	ouscharged.	DD								
and 9,900 ug/T, respon	time? Description	BE COL	centration	ns of 8	,900 ug/ <u>L</u>					
and 9,900 ug/L, respec	crvery. Pumped t	nrougr	1 (2) two 4	l gall	on activated					
Dischar	ged to sewer in t	ne pui	lding at t	the sit	e					
		<u> </u>								
THER WASTES: List the type and volu	me of liquid waste and sludge	removed :	from the premises	by means o	other than the community					
	CAL000181789				·					
acility EPA Generator I.D. Number	CADOUT01709		· 	•						
Waste removed by	Type of Waste		EDA Mesas	C+ + 151						
Name, address, State Transporter I.D. No.	Example: Alkaline cleaners, Or	ganic solve	EPA Waste	State Was	te Quantity generated lbs. or gal. /month					
Clear Water	Gasoline contamin			110.	tos. or gar. miorum					
	water				5					
					<u> </u>					
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BINUD

WASTEWATER DISCHARGE PERMIT

Terms and Conditions
STRENGTH SUMMARY

FACILITY NAME Tony's Express Auto Service

PURPOSE: This information will constituents and characteristics of t	identify for E he discharge t	BMUD the va for each side s	riation in flow rate and the	e type of Permit Num	ber
Side Sewer No. N/A	Side	e Sewer Loca	tion on-site ser	ver	
Wastewater Flow Rate					
Peak Hourly	Maximum D	aily	Annual Daily Average	Max. Monthly	
(gallons/minute)	(gallons/day)	(gallons/day)	(CCF *)	
20	5,000		1,000	35,000	,
Discharge Frequency				hundred cubic feet = 748	gallo
Discharge Period Continuous 24 hrs./day 365 day/year; or		Bat	ch Discharge(s)		<u>.</u>
a. Time of day fromto_ b. Days of the week			the week b. Tisscharged d. Rat		
Vastewater Strength Estimates - Each of the following elements of wastes for sewage disposal charges and rength.	nter the avera	ige annual and	maximum wastewater stren	igth for this side sewer fo	or
Elements of Wastewater Strength		Unit		-	
Total Suspended Solids (TSS)	· · · · · · · · · · · · · · · · · · ·		Average	Maximum	
Filtered Chemical Oxygen Demand	(CODF)	mg/L mg/L	0	0	
ovide the name and address of the laboratory Accreditation Program Ce	initioate (full)	oel of the 1800	Telephone 800-	itoring analyses.	ental
eet 685 Stone Road #11	& 12	City Be	enicia State CA Z	ip94510	
tificate Number 1857					,
ised 6/26/97 ···	 				<u>. </u>

APPENDIX B

Laboratory Results and Chain of Custody Forms



Ref.:

R5327400 Method 5030 GCFID/

8020/8260

Sampled: 10/1/00 Received: 10/2/00 Matrix: Water Analyzed: 10/6/00

ug/L Analyst: DS

Reported: 10/10/00 Units:

Attention: Dr. M Sepehr

2680 Bishop Drive, Suite 203

San Ramon, CA 94583

SOMA

Laboratory Results for TPH + BTEX & MTBE Analysis

Client project ID:

Proj 2333

3609 inT Blvd

Oakland, CA

Analyte	EPA	Limit			
	Method	ug/L			
			Infiluent	GAC-1	Effluent
BTEX					returnelines.
Benzene	8020	2.0	46	ND	ND
Toluene	8020	2.0	15	ND	ND
Ethylbenzene	8020	2.0	ND	ND	ND
Total-Xylene	8020	2.0	29	ND	ND
MTBE	8260	5.0	178*	ND*	ND*
TPH-g	5030/GCFiD	50	2400	ND	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories Home Months

Hossein Khosh Khoo, Ph.D.

^{*} Sample has been confirmed by GC/MS 8260



Q

SOMA

2680 Bishop Drive, Suite 203

San Ramon, CA 94583

Client project ID:

Ref.:

5327400

Proj 2333

Method

5030 GCFID/

3609 InT Blvd Oakland, CA

8020/8260 10/1/00

Sampled: Received:

10/2/00

Matrix:

Water

Analyzed:

10/6/00

Analyst

DS

10/10/00 Reported: Units: ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Quality Control Report

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method	
Benzene	2.0	ND	20	103	100	3.0	8020	
Toulene	2.0	ND	20	105	106	0.9	8020	
Ethylbenzene	2.0	ND	20	101	105	3.9	8020	
T-Xylene	2.0	ND	40	108	106	1.9	8020	
MTBE	5	ND	20	104	104	0.0	8260	
TPH-Gas,GC/FID	50	ND	400	95	100	5.1	5030	
<u> </u>								

Sample Spiked:Blank

Delta Environmental Laboratories

Homens Khoml

H.Khosh Khoo, PhD.,

Laboratory Director/President

Delta Environmental Laboratorie

Chain of Custody (COC) Form

Results to:

ak(01)

ories 685 Stone Road #11 &	12
Benicia, Ca, 94510	•
(707) 747-6081, 800-7 Project Name	747-6082 FAX (707) 747-6082 e <u>Prof</u> 2333
LAB Ref #	3609 Int Blvd 10 Qakland CA 5327

Client Name SOMB IZNV. Eng	· · · · · · · · · · · · · · · · · · ·			1								(7	07)	747	608	1, 800-747-6082 FAX (707) 747-6082
Address				Project Name Prof 2333												
City					· · · ·			lysis	Requ	este	d_					3
Telephone Fax	: 925	244	6601			ļ	12									3609 LAT BLVD
SAMPLER (signature)							MTBE									LABID Cakland CA
Turnaround Time STANDAND							1									Ref #
Constal language			·	No. of containers		Temperature	TPHY, BTEP)								5327
Special Instructions::		Т	1		핍	Ĕļ	•					-	-	<u> </u>		
# Sample ID	Date	Time	Matrix													Comments
1 Influent	191	11:0	H20				Ļ									Confirm MTBE Peaks
2 GAC-1.		1					+]							Confirm MTBE Peaks With 8260
3 Effluer	1						4	-						Ĭ.,		
	•															
																· .
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Relinquished by:	Date	10/	<u>2</u> _	1)	l1	استحا	Hav	e all	samı	oles r	ecei	ved	been	stor	ed or	n ice?
Received By:	- I	10/2	Jus	2)			Did	any \	VQA	sam	ples	гесе	ived	have	any	head space?
Relinquished by:	Relinquished by: Date] 3)			Wei	ге заг	mple	s in a	ppro	pria	t e cò	ntai	ners a	and packaged properly? +4)	
Received By:	Date			4)			Wei	re sar	mple	s rec	eicve	ed in	goo	d co	nditio	on? <u>-145</u>
For Lab Use Only:																

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL



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

Client project ID: Proj 2333 Tony's Ato express Oakland

ENVIRONMENTAL LABORATORIES, Ltd

Ref.: R5290400

Method 5030 GCFID/ 8020

Sampled: 9/18/00 Received: 9/19/00 Matrix: Water Analyzed: 9/27/00 Reported: 9/29/00

Units: ug/L Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

		Detection	. Re	sults	
Analyte	EPA	Limit	Sample ID		
	Method	ug/L		<u> </u>	
 	<u> </u>		Gac-1	Effluent	
BTEX				replay to the difficulty of the state of the	
Benzene	8020	2.0	ND	ND	
Toluene	8020	2.0	ND	,	
Ethylbenzene	8020	2.0	ND	ND	
Total-Xylene	8020	2.0	ND .	ND	
MTBE	8020	5.0	ND	ND ND	
TPH-g	5030/GCFID	50	ND '	ND	

ND:Not Detected(< MDL)

Homen Scharlit Delta Environmental Laboratories

Hossein Khosh Khoo, Ph.D.



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

Client project ID: proj 2333 Treatment System 3609 TNT Blv. Tony's Auto Express

Ref.: R5229400 Method 5030 GCFID

ethod 5030 GCFID/ 8020/8260

Sampled: 8/27/00
Received: 8/28/00
Matrix: Water
Analyzed: 8/31-9/5/00
Reported: 9/7/00

Reported: 9/7/00 Units: ug/L Analyst: DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

-		Detection		Results		
Analyte	EPA	Limit		Sample ID		
	Method	ood ug/L	Influent	Gac-1	Effluent	
ВТЕХ	<u> </u>					
Benzene	8020	0.5	21.3	ND	ND	
Toluene	8020	0.5	ND	ND	ND ND	
Ethylbenzene	8020	0.5	ND	ND	ND	
Total Xylene	8020	1.0	ND	ND	ND	
MTBE	8020/8260	5.0	180*	ND	ND	
ТРН-д	5030/GCFID	50	1500	ND	ND	

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Hone - Khorhhl
Hossein Khosh Khoo, Ph.D.

^{*} Sample has been confirmed by GC/MS 8260



Quality Control Report

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583 Client Project ID: proj 2333

Sample Spiked:Blank

Treatment System 3609 TNT Blv.

Tony's Auto Express

Q 5229400

5030 GCFID/ 8020/8260

led: 8/27/00

Sampled: 8/27/9 Received: 8/27/9

8/27/00

Matrix: Water

Analyzed: 8/

8/31-9/5/00

Analyst Reported:

Ref.:

Method

DS 9/7/00

Attention: Dr. M Sepehr

Units: ug/L

Quality Control Report for TPH ,BTEX & MTBE

Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
0.5	ND	20	105	101	3.9	8020
0.5	ND	20	105	100	4.9	8020
0.5	ND	20	110	95	15	8020
1.0	ND	40	103	101	2.0	8020
5	ND	20	98	101	3.0	8260
50	ND	400	108	100	7.7	5030
	0.5 0.5 0.5 1.0	Limit Result ug/L 0.5 ND 0.5 ND 0.5 ND 1.0 ND 5 ND 5 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND 1.0 ND	Limit ug/L Result ug/L Added ug/L 0.5 ND 20 0.5 ND 20 0.5 ND 20 1.0 ND 40 5 ND 20	Limit ug/L Result ug/L Added ug/L MS Recovery 0.5 ND 20 105 0.5 ND 20 105 0.5 ND 20 110 1.0 ND 40 103 5 ND 20 98	Limit ug/L Result ug/L Added ug/L MS Recovery MSD Recovery 0.5 ND 20 105 101 0.5 ND 20 105 100 0.5 ND 20 110 95 1.0 ND 40 103 101 5 ND 20 98 101	Limit ug/L Result ug/L Added ug/L MS Recovery MSD Recovery Difference RPD 0.5 ND 20 105 101 3.9 0.5 ND 20 105 100 4.9 0.5 ND 20 110 95 15 1.0 ND 40 103 101 2.0 5 ND 20 98 101 3.0

Delta Environmental Laboratories

H.Khosh Khoo, PhD.,

Laboratory Director/President



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

Client project ID: proj 2333

Ref.:

R5151400 Method 5030 GCFID/

8020/8260 Sampled: 7/26/00

Received: 7/27/00 Matrix: Water Analyzed: 8/3-8/00

Reported: 8/8/00 Units: ug/L Analyst: DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

		Detection		Results	
Analyte	EPA	Limit	Sample ID		
	Method	ug/L			
			Gac-1	Inffluent	Effluent
DEEL					
BTEX		L	-		
Benzene	8020	0.5	ND	16.6	ND
Toluene	8020	0.5	ND	4.74	ND
Ethylbenzene	8020	0.5	ND	ND	ND
Total Xylene	8020	1.0	ND	5.18	ND
MTBE	8020/8260	5.0	ND	171*	ND
TPH-g	5030/GCFID	50	ND	1720	ND .

ND:Not Detected(<MDL)

Delta Environmental Laboratories I Molt

Hossein Khosh Khoo, Ph.D.

^{*} Sample has been confirmed by GC/MS 8260



Quality Control Report

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

Client Project ID: proj 2333

Sample Spiked:Blank

Ref.:

Q 5151400

Method

5030 GCFID/

8020/8260

Sampled:

7/26/00

Received:

7/27/00

Matrix:

Water

Analyzed:

8/3-8/00

Analyst

Units:

DS

Reported:

l: 8/8/00 ___ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
Веплепе	0.5	ND	20	84	85	1.2	8020
Toulene	0.5	ND	20	87	89	2.3	8020
Ethylbenzene	0.5	ND	20	92	88	4.4	8020
T-Xylene	1.0	ND	40	88	89	1.1	8020
МТВЕ	5	ND	20	87	84	3.5	8260
TPH-Gas,GC/FID	50	ND	400	103	88	16	50,30

Delta Environmental Laboratories

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

Delta Environmental Laboratories



Chain of Custody (COC) Form 685 Stone Road #11 & 12 Results to: Benicia, Ca, 94510 Client Name SOMA (707) 747-6081, 800-747-6082 FAX (707) 747-6082 Address Project Name City Analysis Requested Telephone Fax: SAMPLER (signature) Turnaround Time STanz Ref # No. of containers 5151 Temperature Special Instructions:: Sample ID Date Time | Matrix Comments 7/26 Relinquished by: 1) Have all samples received been stored on ice? Date Received By: 2) Did any VOA samples received have any head space? Date -Relinquished by: 3) Were samples in appropriate containers and packaged properly? Date Received By: Date Were samples received in good condition?

For Lab Use Only:



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

Client project ID: proj 2333 Tony's Auto Express . Oakland

Ref.: R5134400 Method 5030 GCFID

5030 GCFID/ 8020

 Sampled:
 7/19/00

 Received:
 7/20/00

 Matrix:
 Water

 Analyzed:
 7/26/00

 Reported:
 7/28/00

Units: ug/L Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

Analyte	EPA	Detection	Resul	
	Method	ug/L	Sample	e ID
			Gac-1	Effluent
•				
BTEX		 		
Benzene	8020	0.5	ND	ND
Toluene	8020	0.5	ND	ND ND
Ethylbenzene	8020	0.5	ND .	ND ND
Total-Xylene	8020	1.0	ND	ND ND
MTBE	8020	5.0	ND	ND
ТРН-g	5030/GCFiD	50	ND	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Should

Hossein Khosh Khoo, Ph.D.



Quality Control Report

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

proj 2333 Tony's Auto Express Oakland Ref.:

Q 5134400

Method 5030 GCFID/

8020

Sampled: 7/19/00 Received:

7/20/00

Matrix:

Water 7/26/00

Analyzed: Analyst

DS

Reported: Units:

7/28/00 ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Sample Spiked:Blank

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Methoc
Benzene	0.5	ND	20	83	91	9.2	8020
Toulene	0.5	ND	20	85	95	11	8020
Ethylbenzene	0.5	ND	20	84	99	16	8020
T-Xylene	1.0	ND	40	86	94	8.9	8020
MTBE	5	ND	20	101	99	2.0	8020
TPH-Gas,GC/FID	50	ND	400	105	113	7.3	5030

Delta Environmental Laboratories

H.Khosh Khoo, PhD., Laboratory Director/President Hone Khoshk

Delta Environmental Laboratories



Results to: Naser Pakyou Client Name BoMA Address City Telephone 925 2446600 Fax9752446600 SAMPLER (signature) Naser Pakyou Turnaround Time Brandard Telephone G85 Stone Road #11 & 12 Benicia, Ca, 94510 (707) 747-6081, 800-747-6082 FAX (707) 747 Project Name Project Na	3
Address City Telephone 925 2446600 Fax9252446601 SAMPLER (signature) Noder Pak roll Turnaround Time Standard Fix 17-6081, 800-747-6082 FAX (707) 747 Project Name Project Nam	3
City Telephone 925 2446600 Fax925244660 G Tony" 90 Turnaround Time Standard Project Name Name Name Name Name Name Name Name	3 akland
Telephone 925 2446600 Fax9752446601 SAMPLER (signature) Noder Pak re J Turnaround Time Standard Telephone 925 2446600 Tony 13 900 LAB ID Frylvess Och Ref # CA	akland
Ref # CA	akland
Ref # CA	aldand
Ref # CA	akland
Containers S134	
S134	
Special Instructions::	
Lu Comple ID	
Conments	
1 GAC-1 7/19 2:00 WOTH X CORFIRM MIBE &	- 1/5
1 GAC-1 7/19 2:00 WOTH X CONFIRM MTBE 8 2 Elluent " a " X With 8260	can)
Wilh 8260	
Relinquished by: Date 7/2 0 1) Have all samples received been stored on ice?	į
Processed Day	
Date 7 20 W 2) Did any VOA samples received have any head space?	
Passived Pure Samples in appropriate containers and packaged properly? (72)]
For Lab Use Only: Date Date Date 4) Were samples received in good condition?	



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

Client project ID: proj 2333 Tony's Auto Express . Oakland

Ref.:

R5109400

Method

5030 GCFID/

8020

Sampled: 7/13/00 Received: 7/13/00

Matrix: Water Analyzed: 7/21/00

Reported: 7/24/00 Units: ug/Ļ

Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

Analyte		Detection	Resul	ts
	EPA Method	Limit	Sample ID	
•	Mefuod	ug/L		
· · · · · · · · · · · · · · · · · · ·		 	Gac-1	Effluent
BTEX				
Benzene	8020	0.5	ND	
Toluene	8020	0.5	ND ND	ND
Ethylbenzene	8020	0.5	ND ND	ND ND
Total-Xylane	8020	1.0	ND	ND ND
		1	ND	ND ND
WTBE	8020	5.0	ND	
			IND	ND ND
ГРН-д	5030/GCFID	50	ND	
VID:Not Dotoot			140	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Hossein Khosh Khoo, Ph.D.



Quality Control Report

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ENVIRONMENTAL LABORATORIES, Ltd

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

proj 2333 Tony's Auto Express . Oakland Ref.:

Q 5109400

Method

5030 GCFID/

8020

Sampled:

7/13/00

Received:

7/13/00

Matrix:

Water

Analyzed:

7/21/00

Analyst

DS

Reported: Units: 7/24/00 ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Sample Spiked:Blank

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	87	87	0.0	0000
Toulene	0.5	ND	20	90	<u>87</u>	3.4	8020 8020
Ethylbenzene	0.5	ND	20	89	90	1.1	8020
T-Xylene	1.0	ND	40	91	91	0.0	8020
МТВЕ	5	ND	20	118	116	1.7	8020
TPH-Gas,GC/FID	50	NĐ	400	83	83	0.0	5030

Delta Environmental Laboratories

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

Delta Environmental Laboratories



Results to: Noser Patriou		nain of	Custody	COC	S) Foi	rm						685	Ston	e Roa	d #11 & 12
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Address	7) ·			4								(70	7) 74	7-608	31, 800-747-6082 FAX (707) 747-6082
City				╂										Pro	ject Name
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Telephone 925 244 6600 Fax:	225	<u> 244</u>	660		1 1				1						Tony's Auro
SAMPLER (signature)									1						7
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Charial Instant				ģ	1_1	Temperature	2	2			1				
Special Instructions::				Z	핌	⊢ e			_						
# Sample ID	Date	Time	Matrix												Comments
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Received By:	Date	-1/1	133	2)		r	ave) ז¦א י	adii S	samp rov -	nes re	ceive	a be	en sto	ored o	head space?
Relinquished by:	Date	<u> </u>	*	3)		1. 1.	viu i Nar	ally V = e^⊷	OM S	arnpi in a-	es re	ceive	u nav	e any	
Received By:	Date			4)		٧	Vere	= san	ihis2	nn dþ recei	hrob	in «	conta	uners Inditio	and packaged properly? 145
For Lab Use Only:							, 0, (. Juli	Pica	1000	cveu	ui gu	ou co	marcic	on? <u>†45</u>



ENVIRONMENTAL LABORATORIES, Ltd

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

Client project ID: 2332 Tony's Express Oakland, CA

Ref.: R5094400 Method 5030 GCTID/ 8020

Sampled: 7/7/00
Received: 7/7/00
Matrix: Water
Analyzed: 7/12/00
Reported: 7/17/00
Units: ug/L
Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

Amminaka		Detection		Results	
Analyte	EPA Method	Limit	Si	imple ID	
	Method	ug/L	Gac 1	Effluent	
BTEX			<u> </u>		
Benzene	8020	0.5	ND	ND :	
Toluene	8020	0.5	ND	ND .	
Ethylbenzene	8020	0.5	ND	ND ND	
Total-Xylene	8020	1.0	1.5	ND ND	
MTBE	8020	5.0	ND	ND :	
TPH-g	5030/GCFID	50	ND	ND :	

ND:Not Detected(<MDL)

Delta Environmental Laboratories

~ Keisald

Hossein Khosh Khoo, Ph.D.



SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

ENVIRONMENTAL LABORATORIES, Ltd

Client project ID: 2333

Treatment System Tony's Express Oakland, CA

R5079400 Ref.:

Method 5030 GCFID/

8020/8260

Sampled: 6/29/00 Received: 6/29/00 Matrix: Water Analyzed: 7/3-5/00 Reported: 7/11/00

Units: ug/L Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

·		Detection		Results
Analyte	EPA	Limit		ample ID
	Method	ug/L		
			Gac 1	Effluent
ВТЕХ	 			
Benzene	8020	0.5	ND ND	
Toluene	8020	0.5	ND ND	ND ND
thylbenzene	8020	0.5	ND ND	ND ND
Total-Xylene	8020	1.0	ND ND	ND ND
				IND
VITBE	8020/8260	5.0	ND*	ND
ГРН-д	5030/GCFiD			
ID-Not Date -		50	ND ND	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Homen Hostel

Hossein Khosh Khoo, Ph.D.

^{*}GC results showed the presence of MTBE which was not confirmed by GC/MS;EPA 8260 .



Quality Control Report

ENVIRONMENTAL LABORATORIES, Ltd

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

Attention: Dr. M Sepehr

Client project ID:

2333

Treatment System Tony's Express Oakland, CA Ref.:

Q 5079400

Method

5030 GCFID/

8020 / 8260

Sampled:

6/29/00

Received:

6/29/00

Matrix:

Water

Analyzed: Analyst 7/3-5/00 DS

Reported:

7/11/00

Units:

ug/L

Quality Control Report for TPH ,BTEX & MTBE

Sample Spiked:Blank

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
Benzene	5.0	ND	20	96	94	2.1	8020
Toulene	5.0	ND	20	100	100	0.0	8020
Ethylbenzene	5.0	ND	20	109	107	1.9	8020
T-Xylene	5.0	ND	40	100	100	0.0	8020
МТВЕ	5.0	ND	20	91	88	3.4	8260
TPH-Gas,GC/FID	50	ND	400	93	98	5.2	5030

Delta Environmental Laboratories

H.Khosh Khoo, PhD.,

Laboratory Director/President

Delta Environmental Laboratories

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Results to: Sen Naser Pakvie U																	451	
Client Name SOMA ENV. Eng.	*****												* (7	707)	74	7-6	081	1,800-747-6082 FAX (707) 747-608
Address]					•							P	rojec	ct Name
City							Ana	lysi	s Re	que	ste	d] Pro) 2333 -
Telephone 925 254 6600 Fax: 9	25 2	446	60	- 1		C	1		1									(rediment 3/51
SAMPLER (signature)							MIN										-	LABID TONYS = MINESS
Turnaround Time Standord].			श्च											Ref #
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Special Instructions::	·			No. of	p-l-d	ĕ	MdI											
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1 GAC-1	429	10:20	1/20				V			Ì				Ī				Confirm MTBE Pecks
2 Effluers		V	1	1			c	7				-						With 8260
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Relinquished by:	Date		- ()	∃ 3					-									and packaged properly?
Received 8v:	Date			4		•											citio	
For Lab Use Only:	1-000			<u> </u>	•												*****	



ENVIRONMENTAL LABORATORIES, Ltd

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

Client project ID: 2333 Tonys Auto Express Oakland, CA

Ref.: R5064400 Method 5030 GCFID/

8020 Sampled: 6/21/00

Received: 6/23/00 Matrix: Water Analyzed: 6/28/00 Reported: 6/30/00

Units: ug/L Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

B b		Detection		Results
Analyte	EPA	Limit	S	Sample ID
	Method	ug/L		
·			Gac 1	Effluent
BTEX	 			
Benzene	8020	0.5	ND ND	NO
Toluene	8020	0.5	ND ND	ND ND
Ethylbenzene	8020	0.5	ND	ND ND
Total-Xylene	8020	1.0	ND	ND ND
MTBE	8020	5.0	ND	ND
TPH-g	5030/GCFiD	50	ND	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Hossein Khosh Khoo, Ph.D.

1



Quality Control Report

ENVIRONMENTAL LABORATORIES, Ltd

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

Client Project ID:

2333

Tonys Auto Express Oakland, CA

Ref.:

Q 5064400

Method

5030 GCFID/

8020 6/21/00

Sampled:

Received:

6/23/00

Matrix:

Water

Analyzed:

6/28/00

Analyst

DS

Reported: Units:

6/30/00 ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Sample Spiked:Blank

Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
0.5	ND	20	91	91	0.0	8020
0.5	ND	20	93		 	8020
0.5	ND	20	94		 	8020
1.0	ND	40	94	98	4.2	8020
5	ND	20	91	89	2.2	8020
50	ND	400	95	93	2.1	5030
_	0.5 0.5 0.5 1.0	0.5 ND 0.5 ND 0.5 ND 1.0 ND	0.5 ND 20 0.5 ND 20 0.5 ND 20 1.0 ND 40 5 ND 20	0.5 ND 20 91 0.5 ND 20 93 0.5 ND 20 94 1.0 ND 40 94 5 ND 20 91	0.5 ND 20 91 91 0.5 ND 20 93 94 0.5 ND 20 94 98 1.0 ND 40 94 98 5 ND 20 91 89 50 ND 400 95 93	ug/L ug/L ug/L Recovery Recovery RPD 0.5 ND 20 91 91 0.0 0.5 ND 20 93 94 1.1 0.5 ND 20 94 98 4.2 1.0 ND 40 94 98 4.2 5 ND 20 91 89 2.2 50 ND 400 95 93 2.1

Delta Environmental Laboratories

H.Khosh Khoo, PhD.

Laboratory Director/President

Delta Environmentar Laboratories

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Results to: Waser Pakrow																a, 9								•
Client Name SOMA Env.													· (7	707)	74			800-74				07) 74	47-60)82
Address																Pro	ojec	Name	4	<u>333</u>	<u>></u>			
City				۱.			Ana	ivsis	s Re	que	ste	<u>d</u>						4	7	درس	Aces	o Ex	ديمم	
Telephone (925) 244 - 6600 Fax: (925)244	. 660	<u> </u>			MTRE	اد											_	Och	Aut	C	A	<u> </u>
SAMPLER (signature) Patel follows							1 X W	2,60	.									LAB II	<u> </u>		· N			
Turnaround Time Standard		•		-			STEX	1/8										Ref #						
				No. of containers		femperature	EPA SOZU TAME.	7										5	5()6	4	· -	·	
Special Instructions::					듄	15-	14			_		ļ_	<u> </u>		1		<u> </u>	<u> </u>			·			
# Sample ID	Date	Time	Matrix	2					- 1		ļ		- }					Сотп	nents	;				
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Relinquished by:	Date	-	. 1 7	3	}	-												nd pack	aged	prope	rty? _			•
Received By:	Date			4	-}		W	ere :	risa	ıple:	s re	ceic	ved	រែ ç	cod	conc	iitio	1?	_					
For Lab Use Only:																			_					



ENVIRONMENTAL LABORATORIES, Ltd

Ref.:

Units:

Analyst

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

Client project ID: 2333 Tony's Express Treatment System

R5047400 Method 5030 GCFID/ 8020/8260 Sampled: 6/16/00 Received: 6/16/00 Matrix; Water Analyzed: 6/20/00 Reported: 6/23/00

ug/L

DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

		Detection	Results	
Analyte	EPA	Limit	Sample ID	
	Method	ug/L	Gac-1	
BTEX				· · · · · · · · · · · · · · · · · · ·
Benzene	8020	0.5	ND	
Toluene	8020	0.5	ND	· · · · · · · · · · · · · · · · · · ·
Ethylbenzene	8020	0.5	ND	
Total-Xylene	8020	1.0	ND	
MTBE	8260	5.0	ND*	
TPH-g	5030/GCFiD	50	ND	

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Hossein Khash Khoo, Ph.D.

^{*}GC results showed the presence of MTBE which was not confirmed by GC/MS;EPA 8260 .



Quality Control Report

ENVIRONMENTAL LABORATORIES, Ltd

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

Attention: Dr. M Sepehr

Client Project ID:

2333

Tony's Express Treatment System

Samplie Spiked:Blank

Ref.:

Q 5047400

Method

5030 GCFID/

8020 / 8260

Sampled:

6/16/00

Received:

6/16/00

Matrix:

Water

Analyzed:

6/20/00

Analyst

DS

Reported:

6/23/00

Units:

ug/L

Quality Control Report for TPH ,BTEX & MTBE

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	97	3.1	8020
Toulene	0.5	ND	20	98	101	3.0	8020
Ethylbenzene	0.5	ND	20	99	101	2.0	8020
T-Xylene	1.0	ND	40	98	100	2.0	8020
MTBE	5	ND	20	100	107	6.8	8260
TPH-Gas,GC/FID	50	ND	400	95	98	3.1	5030

Delta Environmental Laboratories

H.Khosh Khoo, PhD., Laboratory Director/President Delta Environmental Laboratories

	C	nain of (Custody	(CO	C) Fo	orm						68	5 Sto	ne Ro	ad #11	& 12	
Results to: Nager Pallibu]			,								4510	• `	
Client Name SOMB												f7	07) 7	47-60	081, 80	0-747-6082 FAX (707) 747-	-6082
Address				_										Pr	oject Na	ame	
City				<u> . </u>		.,		ilysis	Rec	juesti	ed					2333	
Telephone 244 660 D Fax: 9	252	<u> </u>	660	4.			36									TONY'S EXPO	urs
SAMPLER (signature)]:		-	2									ABID Treatment QN	151 c-
Turnaround Time Standord.		•]			श्च								Re		
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Special Instructions::	•			No.	H	Temperature	7										
# Sample ID	Date	Time	Matrix		Π	T		J							Co	omments	
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Received By:	Date	CIE	82	2)												space? -	
Relinquished by:	Date	21101		3)			Wei	re sa	mple	es in :	appro	opriat	e con	tainer	s and na	ackaged properly?	
Received By:	Date			4)			Wei	re sa	mple	es rec	eicve	ed in	good	condi	tion?	ander property:	•
For Lab Use Only:	<u></u>	·		4									<u> </u>			· · · · · · · · · · · · · · · · · · ·	



ENVIRONMENTAL LABORATORIES, Ltd

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

Client project ID: #2333 Tony's Auto Express Oakland, CA

Ref.: R5030400 Method 5030 GCFID/ 8020/ 8260 Sampled: 6/10/00

Sampled: 6/10/00
Received: 6/12/00
Matrix: Water
Analyzed: 6/19/00
Reported: 6/21/00
Units: ug/L
Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

		Detection	R	esults
Analyte	EPA	Limit	Sa	mple ID
	Method	ug/L		
			GAC 1	GAC 2
BTEX	 	 		
Benzene	8020	0.5	ND	ND
Toluene	8020	0.5	ND	
Ethylbenzene	8020	0.5	ND	ND ND
Total-Xylene	8020	1.0	1.1	ND ND
MTBE	9000			
VIIDE	8260	5.0	ND*	NĎ
ГРН-д	5030/GCFiD	50	ND	ND

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Hamen Jehanh M. Hossein Khosh Khoo, Ph.D.

^{*} GC results showed the presence of MTBE which was not confirmed by GC/MS EPA 8260.



ENVIRONMENTAL LABORATORIES, Ltd **Quality Control Report**

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

#2333

Tony's Auto Express Oakland, CA

Ref.:

Q 5030400

Method

5030 GCFID/

8020 / 8260

Sampled:

6/10/00

Received:

6/12/00

Matrix:

Water

Analyzed:

6/19/00

Analyst

DS

Reported: Uńits:

6/21/00 ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Sample Spiked:Blank

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	100	93	7.3	8020
Toulene	0.5	ND	- 20	103	97	6.0	8020
Ethylbenzene	0.5	ND	20	102	96	6.1	8020
T-Xylene	1.0	ND	40	101	98	3.0	8020
МТВЕ	5	ND	20	88	84	4.7	8260
TPH-Gas,GC/FID	50	ND	400	93	100	7.3	5030

Delta Environmental Laboratories ~ KlashM

H.Khosh Khoo, PhD.,

Laboratory Director/President

Delta Environmental Laboratories



Chain of Custody (COC) Form 685 Stone Road #11 & 12 Results to: Waser Pakrou Benicia, Ca, 94510 Client Name SOMA (707) 747-6081, 800-747-6082 FAX (707) 747-6082 Address Project Name City Analysis Requested Telephone (925 244.6600 1244.6601 Fax: 1925 SAMPLER (signature) LAB ID Turnaround Time Ref# 5030 Temperature EPA BUDO Special Instructions:: 표 Sample ID Date Time Matrix Comments 6/10 Relinquished by: Date 6/12/00 1} Have all samples received been stored on ice? Received By: Date 2) Did any VOA samples received have any head space? Relinguished by: Date 3) Were samples in appropriate containers and packaged properly? Received By: Date 4) Were samples receiveed in good condition? For Lab Use Only:



SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

Client project ID: 2333 International Blvd Oakland,CA

ENVIRONMENTAL LABORATORIES, Ltd

Ref.:

R5000400 Method 5030 GCFID/

8020/8260

Sampled: 6/2/00

Received: 6/2/00 Matrix:

Water Analyzed: 6/7-9/00

Reported: 6/13/00

Units: ug/L

Analyst DS

Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX Analysis

Detection		L	Results			
Analyte	EPA	Limit	Sample ID			
Method	Wethod	ug/L	Gac#1			
BTEX						
Benzene	8020	0.5	ND			
Toluene	8020	0.5	ND ND			
Ethylbenzene	8020	0.5	ND ND			
Total-Xylene	8020	1.0	ND ND			
МТВЕ	8260	5.0	ND*			
TDU -						
TPH-g	5030/GCFiD	50	ND			

ND:Not Detected(<MDL)

Delta Environmental Laboratories

Mayle Hossein Khosh Khoo, Ph.D.

^{*}GC results showed the presence of MTBE which was not confirmed by GC/MS;EPA 8260 .



Quality Control Report

ENVIRONMENTAL LABORATORIES, Ltd

SOMA

2680 Bishop Drive, Suite 203 San Ramon, CA 94583

2333

International Blvd Oakland,CA

Samplie Spiked:Blank/for MTBE

Sample Spiked:Gac#1/for btex & TPH-g

Ref.:

5000400

Method

5030 GCFID/ 8020 / 8260

Sampled:

6/2/00

Received:

6/2/00

Matrix:

Water

Analyzed: Analyst

6/7-9/00 DS

Reported:

6/13/00

Units:

ug/L

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

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	98	95	3.1	8020
Toulene	0.5	ND	20	100	96	4.1	8020
Ethylbenzene	0.5	ND	20	98	103	5.0	8020
T-Xylene	1.0	ND	40	101	95	6.1	8020
МТВЕ	5	ND	20	102	103	1.0	8260
TPH-Gas,GC/FID	50	ND	400	93	95	2.1	5030

Delta Environmental Laboratories

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

Results to: No. 10 C. D. L. C. C. C. C. C. C. C. C. C. C. C. C. C.	
Client Name	Benicia, Ca, 94510
Address	(707) 747-6081, 800-747-6082 FAX (707) 747-6082 Project Name 2333
City	
Telephone (725)244-6600 Fax: (725)244-6601	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SAMPLER (signature) Patent C. Anslivan	
Turnaround Time Standad	.
Special Instructions::	No. of containers Temperature EPA \$020. MTBE CAPELL MI
# Sample ID Date Time Matrix	Comments
1 GAC#1 6/2 8:30 H20	2 X X
	
	
	
	
Relinquished by: Litury Carbon Date Colo	
Passind P	1) Have all samples received been stored on ice?
Relinquished by: Date 6/2/3	2) Did any VOA samples received have any head space? 3) Were samples in appropriate containers and packaged property?
Received By:	4) Were samples in appropriate containers and packaged property? 4) Were samples received in good condition?
For Lab Use Only:	The state of the s

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

2323 Fifth Street, Berkeley, CA 9471O, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

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

Date: 06-JUN-00 Lab Job Number: 145784 Project ID: 2333

Location: Treatment System

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

Reviewed by:

Project Manager

Reviewed by:

Operations Manager

This package may be reproduced only in its entirety.

CA ELAP # 1459

Page 1 of +

CHAIN OF CUSTODY FORM

Analyses

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Analytical Laboratory Since 1878

	2323 Fifth Street
	Berkeley, CA 94710
·	(510)486-0900 Phone
	(510)486-0532 Fax
Project No:	2333
Project Nam	ie: Treatment Sti
Project P.O.	

Project No: 7335	
Project Name: Treatment & Vit	<u> </u>

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Turnaround Time: 5 Ton	A /'
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C&T	145784
LOGIN#_	11101

Sampler:	Naser	Parilo U
		Dalla

Company:	SOMA	En	٧.	4	nes
Telephone:					- 71

Fax:	925	244	660	ſ
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		Matrix]	Preservative		/e		(C)						
Munibel	Sample ID.	Sampling Date Time	Soil	Water	Waste		# of Containers	된	HzSO	HNO3	ICE],	します。	-
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REL	INQUI	SHED	BY:

Pale C. pelli

S/24/00 11:50, DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

MONTEANNE

DATE/TIME

DATE/TIME

Signature



Gasoline by GC/FID CA LUFT

Lab #: 145784 Client:

SOMA Environmental Engineering Inc.

Project#:

Field ID: GAC-1 Matrix: Water Units: ug/L Piln Fac:

1.000

Location:

Prep: Analysis:

Batch#: Sampled: Received: EPA 8015M 56179 05/23/00

EPA 5030

Treatment System

05/24/00

SAMPLE

145784-001

Analyzed:

05/31/00

Analyte asoline C7-C12

Result

RL

Surrogate %REC Limits rifluorotoluene (FID) 114 59-135 Bromofluorobenzene (FID) 123 60-140

Type: b ID: BLANK

QC116978

Analyzed:

05/30/00

Analyte Gasoline C7-C12

Result

RL

Surrogate %REC Limits Trifluorotoluene (FID) 113 59-135 romofluorobenzene (FID) 115 60-140

= Not Detected RL = Reporting Limit Page 1 of 1



			ene, Toluene, E	;;	withough
Lab #:	145784			Location:	Treatment System
Client:	SOMA E	nvironmental	Engineering Inc.	Prep:	EPA 5030
Project#:	2333			Analysis:	EPA 8021B
Field ID:		GAC-1		Batch#:	56179
Matrix:		Water		Sampled:	05/23/00
Units:		ug/L		Received:	05/24/00
Diln Fac:		1.000			03/24/00

ype: ab ID:

SAMPLE

145784-001

Analyzed:

05/31/00

Analyte	Result	RI.
MTBE	ND	2.0
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m, p-Xylenes	ND	0.50
Ethylbenzene m,p-Xylenes o-Xylene	ND	
		0.50

Surrogate	%REC	Limits	
Trifluorotoluene (PID)	113	56-142	
Bromofluorobenzene (PID)	117	55-149	·
•			

BLANK

QC116978

Analyzed:

05/30/00

Result	RL
ND	2.0
ND	0.50
	ND ND ND ND ND

Surrogate	*RE	C Limits
Trifluorotoluene (PID)	115	56-142
romofluorobenzene (PID)	118	55-149

= Not Detected RL = Reporting Limit

Page 1 of 1



Gasoline by GC/FID CA LUFT

Lab #: 145784

Client:

SOMA Environmental Engineering Inc.

Treatment System

EPA 5030

Project#: 2333 Matrix:

Water

Prep: Analysis: EPA 8015M

Batch#:

56179

Units: Diln Fac: ug/L 1.000 Analyzed:

Location:

05/30/00

Type:

BS

Lab ID:

QC116975

Analyte	Spiked	Pagu7+	2.50	T 1	**************
Gasoline C7-C12	2,000	2,111	106	73-121	
Surrogate					
Burrogape	*REC Limits				

Trifluorotoluene (FID) 131 59-135 promofluorobenzene (FID) 120 60-140

BSD

Lab ID:

QC116976

Analyte		Spiked	Result	#REC	Limits	RJP ID	00 P 01 177
asoline C7-C12		2,000	2,127	106	73-121	1	20
Surrogate	S. Dane			***************************************			""
Trifluorotoluene (FID)	130	Limits 59-135					



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #: 145784

SOMA Environmental Engineering Inc. Client:

Project#: 2333

Type: Lab ID:

LCS

QC116977 Matrix: Water Units:

ug/L

Location: Prep:

Treatment System

EPA 5030

EPA 8021B

Analysis: Diln Fac:

Batch#:

1.000 56179

Analyzed:

05/30/00

Analyte	Spiked	Result	% REC	Limits
MTBE	20.00	22.41 b	112	51-125
Benzene	20.00	20.71	104	67-117
Toluene	20.00	21.45	107	69-117
Ethylbenzene	20.00	21.14	106	68-124
n,p-Xylenes	40.00	42.77	107	70-125
)-Xylene	20.00	21.20	106	65-129

Surrogate	%REC	C Limits
Crifluorotoluene (PID)	116	56-142
Bromofluorobenzene (PID)	121	55-149



	Benza	ens, Toluens,	Ethylbenzene,	Xylenes
<u>Project#: 2333</u>	Environmental	Engineering Inc	Location: . Prep: Analysis:	Treatment System EPA 5030 EPA 8021B
Field ID: MSS Lab ID: Matrix: Units: Diln Fac:	ZZZZZZZZ 145775-007 Water ug/L 1.000		Batch#: Sampled: Received: Analyzed:	56179 05/23/00 05/23/00 06/02/00

pe:

MS ·

Lab ID:

QC116979

Analyte TBE	MSS Result	Spiked	Result	%REC	Limits
	ND	20.00	24.28	121	33-131
Benzene	ND	20.00	19.76	99	65-123
Toluene	ND	20.00	20.58	103	73-122
thylbenzene	ND	20.00	19.79	99	59-137
h, p-Xylenes	ND	40.00	41.45	104	68-132
o-Xylene	ND	20.00	20.29	101	61-140

Surrogate	SREC	Limits
Trifluorotoluene (PID)	114	56-142
Promofluorobenzene (PID)	116	55-149

pe:

MSD

Lab ID:

QC116980

Analyte	Spiked	Result	*REC	Limits	RPD	1.47
TBE	20.00	24.25	121	33-131	n	20
enzene	20.00	20.00	100	65-123	7	20
Toluene	20.00	20.76	104	73-122	7	20
Ethylbenzene	20.00	20.13	101	59-137	2	20
,p-Xylenes	40.00	41.80	104	68-132	7	20
-Xylene	20.00	20.60	103	61-140	T	20

Surrogate	*REC	Limits
rifluorotoluene (PID)	114	56-142
Bromofluorobenzene (PID)	117	55-149

N = Not Detected .

RPD= Relative Percent Difference

Page 1 of 1



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

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

ANALYTICAL REPORT

Prepared for:

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

Date: 01-JUN-00 Lab Job Number: 145706 Project ID: 2333

Location: Treatment System

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

Reviewed by: _

Project Manager

Reviewed by:

Operations Manager

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CA ELAP # 1459

Page 1 of ____

CHAIN OF CUSTODY FORM Curtis & Tompkins, Ltd. **Analyses** Analytical Laboratory Since 1878 C&T 2323 Fifth Street LOGIN#___ Berkeley, CA 94710 HIBE (510)486-0900 Phone (510)486-0532 Fax Sampler: Patrick Sullivan BTEX 2733 Project No: Report To: Project Name: Oakland SOMA Company: 出る上 Project P.O.: 244-6660 Telephone: Turnaround Time: Standard 925)244-6601 Fax: 8020 Matrix Preservative Sampling Soil Water Waste Laboratory HNO3 ICE Sample ID. # of # of Containers 표 Date Number **Field Notes** Time GAC1 5/18 1:30pm chelle remod. system. >_ 0 **→** 0 **B** S L 34 0 Ω Ø Notes: **RELINQUISHED BY:** RECEIVED AY: 5/18/60 3pm DATE/TIME DATE/TIME DATE/TIME

Signature

DATE/TIME

DATE/TIME



		Gasoline by	GC/FID CA LU	JFT
Project#:	145706 SOMA Environmental 2333	Engineering Inc.	Location: Prep: Analysis:	Treatment System EPA 5030 EPA 8015M
Field ID: Matrix: Units: Diln Fac:	GAC 1 Water ug/L 1.000		Batch#: Sampled: Received: Analyzed:	55979 05/18/00 05/18/00 05/19/00

ype:

SAMPLE

Lab ID:

145706-001

		Result	RL	
Gasoline C7-C12	N	D	RL 50	
Surrogate			000	
Trifluorotoluene (FID)	115	Limits 59-135		
romofluorobenzene (FID)	115	60-140		
				i

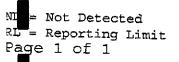
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Lab ID:

QC116173

asoline C7-C12	NI)	50	
Surrogate	%pra	Limits		***************************************
rifluorotoluene (FID)	96	59-135		
romofluorobenzene (FID)	94	60-140	•	





	Benza	ene, Toluene, 1	Ethylbenzene,	Xylenes
Lab #: Client: Project#:	145706 SOMA Environmental 2333	Engineering Inc.	-	Treatment System EPA 5030
Field ID: Matrix: Units: Diln Fac:	GAC 1 Water ug/L 1.000		Analysis: Batch#: Sampled: Received: Analyzed:	EPA 8021B 55979 05/18/00 05/18/00 05/19/00

ype:

SAMPLE

Lab ID:

145706-001

	Result	P:
MTBE Benzene	ND	2.0
Toluene	ND ND	0.50
Ethylbenzene	ND	0.50
n,p-Xylenes o-Xylene	ND	0.50
	ND	0.50

Surrogate	&RE	OC Limits	ā
rifluorotoluene (PID)	107	56-142	l
Bromofluorobenzene (PID)	106	55-149	ı

Type:

BLANK

Lab ID:

QC116173

Analyte	Result	
MTBE	ND	£ti.
enzene	ND	2.0
oluene		0.50
Ethylbenzene	ND	0.50
m, p-Xylenes	ND	0.50
-Xylene	MD	0.50
LyAtene	ND	0.50

Surrogate	*REC	Limits
rifluorotoluene (PID)	88	56-142
Fomofluorobenzene (PID)	86	55-149
		00 147

NI = Not Detected
RL = Reporting Limit
Page 1 of 1



Gasoline by GC/FID CA LUFT

Lab #: 145706

SOMA Environmental Engineering Inc. Client:

Project#: 2333

Гуре: Lab ID: LCS

Matrix:

QC116170

Water Units: ug/L

Location:

Prep:

Treatment System

EPA 5030

Analysis: Diln Fac:

EPA 8015M

Batch#:

1.000 55979

Analyzed:

05/19/00

Analyte		Result	%REC	Limits	
Gasoline C7-C12	2,000	2,053	103	73-121	***************
· -			7.33		

Surrogate	*REC	Limits
Trifluorotoluene (FID)	126	59-135
Bromofluorobenzene (FID)	122	60-140



	Benzei	ne, Toluene, E	thylbenzene,	Xylenes
Project#: 2333	Environmental F	Ingineering Inc.	Location: Prep: Analysis:	Treatment System EPA 5030 EPA 8021B
Matrix: Units: Diln Fac:	Water ug/L 1.000		Batch#: Analyzed:	55979 05/19/00

Type:

BŞ

Lab ID:

QC116171

Analyte	Spiked	Result	% DE	
MTBE	20.00	15.63	78	51-125
Benzene Toluene	20.00	15.07	75	67-117
Ethylbenzene	20.00	16.84	84	69-117
m,p-Xylenes	20.00	17.61	88	68-124
-Xylene	40.00	37.51	94	70-125
	20.00	<u> 17.50</u>	88	65-129

Surrogate	₹R	C Limits	
rifluorotoluene (PID)	91	56-142	
romofluorobenzene (PID)	88	55-149	

BSD

Lab ID: QC116172

Analyte FBE	Spiked	Result	*RE	Limits	RPD	Ti
Benzene	20.00	16.30	81	51-125	Δ	20
-	20.00	15.21	76	67-117	1	20
pluene	20.00	17.01	85	69-117	1	20
chylbenzene o,p-Xylenes	20.00	17.68	88	68-124	0	20
	40.00	37.53	94	70-125	n	20
-Xylene	20.00	17.63	88	65-129	1	20

Surrogate	%R	SC Limits
Trifluorotoluene (PID)	98	56-142
comofluorobenzene (PID)	96	55-149

RPD= Relative Percent Difference Page 1 of 1



Gasoline by GC/FID CA LUFT Lab #: 145706 Location: Treatment System Client: SOMA Environmental Engineering Inc. Prep: EPA 5030 Project#: 2333 Analysis: EPA 8015M Field ID: ZZZZZZZZZZ Batch#: 55979 MSS Lab ID: 145562-001 Sampled: 05/10/00 Matrix: Water Received: 05/10/00 Units: ug/L Analyzed: 05/20/00 iln Fac: 1.000

pe:

MS

Lab ID:

QC116174

Analyte	MSS Result	Spiked	Result	%REC	Limits
asoline C7-C12	33.15	2,000	2,293	113	65-131

romofluorobenzene (FID)	135	60-140	
rifluorotoluene (FID) romofluorobenzene (FID)	129	59-135	
Surrogate	%REC	Limits	

Type:

MSD

Lab ID:

QC116175

	Spiked		%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,295	113	65-131		20
2 0000000000000000000000000000000000000						

Bromofluorobenzene (FID) 129 59-135 Bromofluorobenzene (FID) 134 60-140	Surrogate	*RE	C Limits
Bromofluorobenzene (FID) 134 60-140	rifluorotoluene (FID)	129	59-135
	Bromofluorobenzene (FID)	134	60-140