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Alameda County

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Environmental Health

TANK CLOSURE REPORT

2836 Union Street Oakland, California Job No. 7571 July 31, 1998

RECEIVED

No. 23772 Pp. 12-31-98

By lopprojectop at 4:30 pm, Jan 27, 2006

Larry Wadler Modern Mail Courier Services PO Box 1199 Oakland, CA 94604

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Civil Engineer 23772

Tracy Wallace
Principal

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1. SITE LOCATION

The subject commercial property is located along the east side of Union Street just north of 28th Street in Oakland, California. Figure 1 attached shows the general site vicinity. The actual location of the tank as well as nearby streets is shown on the attached Figure 2. Photographs of the project are shown on the attached Figure 3.

2. SITE HISTORY

One underground gasoline tank was located under the private paved parking area within the site boundaries. The tank had a capacity of 10,000 gallons, measuring about 20 feet long by 8 feet in diameter and was constructed of steel. The exact age of the tank is unknown but is believed to be between 15 and 20 years old. The fill end of the tank was determined to be the east end. The owner had been operating the tank until recently when the decision was made to remove the tank as part of the new UST regulations. The dispenser was located within 20 feet of the tank along the side of the building. The tank, dispenser and stockpile locations are shown on the attached Figure 2.

3. TANK REMOVAL

Golden Gate Tank Removal applied for and obtained permits from the City of Oakland Fire Prevention Bureau and OSHA. All site work was performed in accordance with state and local regulations.

In July 1998 GOLDEN GATE TANK REMOVAL (GGTR) mobilized its equipment and began work on the project. The overlying concrete pavement was removed and disposed of at a local recycler. The overburden soil covering the tank was removed and placed in a covered stockpile on parking area pavement.

On July 13, 1998 Americlean was contracted to remove 681 gallons of residual product and rinsate from the tank. The product was transported to a licensed Treatment, Storage and Disposal Facility (TSDF) under uniform hazardous waste manifest number 96700253. A copy of the manifest is attached.

Dry ice was placed in the tank to displace any explosive vapors remaining in the tank. The explosive levels remaining in the tank were monitored and determined to be safe before any work was performed on the tank. On July 14, 1998 upon the approval Mr. Stephan Craford of the Fire Prevention Bureau, the tank was removed from the excavation. After a visual inspection, the tank was loaded onto a flatbed truck. The tank was then transported to the licensed Erickson Inc. Treatment, Storage and Disposal Facility (TSDF) under uniform hazardous waste manifest number 96844630. Copies of the manifest and certificate of destruction are attached.

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4. TANK AND SOIL CONDITION

The tank was found to be in good condition with no visible holes. Measurements indicated that tank bottom to be 12 feet below the sidewalk. The soil surrounding the tank was a brown sand. The soil below the tank was also a brown sand. Some accumulated water was encountered after the removal at about 8.5 feet below grade. There was what appeared to be floating product on the surface of the accumulated water.

5. TANK REMOVAL SAMPLING

At the direction of Mr. Craford, two soil samples were extracted from the east and west sidewalls of the excavation just above the water surface. Soil sample 7571-E was collected from the east sidewall of the tank pit at 8.5 feet below the pavement surface. Soil sample 7571-W was collected from the west sidewall of the tank pit at 8.5 feet below the pavement surface. One soil sample was taken from about 2 feet below the dispenser location and was labeled 7571-DISP. One composite soil sample was collected from the stockpile of the excavated overburden soil and numbered 7571-SP.

Because of the floating product observed on the accumulated water, Mr. Craford directed that the product should be removed before obtaining a groundwater sample. On July 15, 1998 Americlean was contracted to remove 250 gallons of floating product and accumulated water from the excavation. The liquid was transported to a licensed Treatment, Storage and Disposal Facility (TSDF) under uniform hazardous waste manifest number 96700253. A copy of the manifest is attached. The water was then sampled by John Carver of GGTR.

All samples were transported to the North State Environmental laboratory under formal chain-of-custody protocol for the required analyses.

6. TANK REMOVAL SAMPLE RESULTS

The tank removal and stockpile samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G), Methyl Tertiary-Butyl Ether (MTBE), and Benzene, Toluene, Ethylbenzene and Xylene (BTEX). The water sample was also analyzed for total lead (Pb) The following Table I summarizes the analytical results for the tank removal samples. "ND" indicates Non-Detectable results.

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TABLE 1 TANK REMOVAL SAMPLE RESULTS

(all soil results are in parts per million - ppm)
(all water results are in parts per billion - ppb)

SAMPLE I.D.	TPH-G	BTEX	MTBE	Total Lead
7571-SP (stockpile)	3.4	0.008/0.012/0.016/0.027	0,023	not analyzed
7571-E (excavation sidewall)	ND	ND/ND/ND/ND	ND	not analyzed
7571-W (excavation sidewall)	7.2	ND/0.012/0.065/0.021	ND	not analyzed
7571-DISP (dispenser)	2,100	2.8/16/15/94	5.1	not analyzed
7561-GW water in excavation	4,200 (ppb)	15/4/140/170 (ppb)	150 (ppb)	ND

7. DISCUSSION & EXTRA WORK

The analytical results and the site conditions were discussed with Mr. Craford. He indicated that the excavation could be backfilled after the free product was removed and the water sample obtained. Any decision of further work would be made by the Alameda County Department of Environmental Health. Consideration should be given to removing the contaminated soil from below the dispenser location.

8. SITE RESTORATION

By July 31, 1998 the excavation was backfilled with clean imported soil and the stockpiled soil and compacted. The surface was replaced in accordance with the contract requirements.

9. RECOMMENDATION

There were no visible holes in the tank, and there was no visual or laboratory evidence of significant soil contamination in the tank pit. There was significant soil contamination associated with the fuel dispenser located adjacent to the building. The analytical results from the State Certified Laboratory showed positive levels of petroleum hydrocarbons as gasoline and BTEX for the water sample obtained.

The need for any additional work will be determined by the Alameda County Department of Environmental Health.

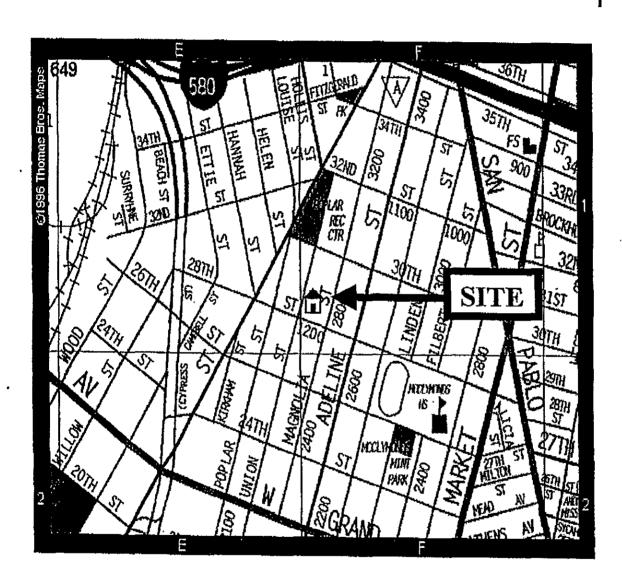
ATTACHMENTS

VICINITY MAP
SITE PLAN
PHOTOGRAPHS
ANALYTICAL REPORTS, CHAIN OF CUSTODY FORMS
CERTIFICATE OF TANK DESTRUCTION
MANIFEST COPIES
PERMIT COPIES

1114

1,





GOLDEN GATE TANK REMOVAL

255 Shipley Street
San Francisco, California 94107
Telephone (415) 512-1555 Fax (415) 512-0964

VICINITY MAP

2836 Union Street Oakland, California 94608

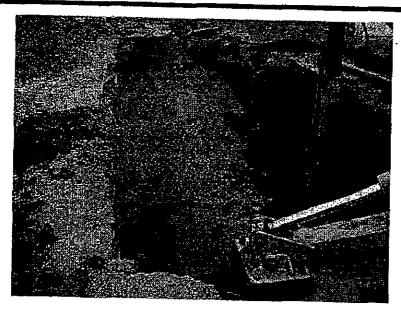
Project 7571

By: Cathy Keller

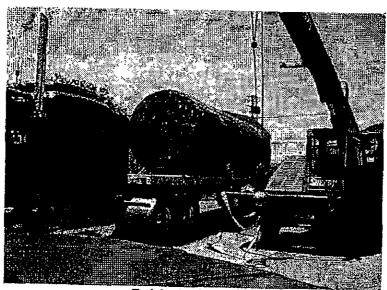
Not to scale

05/19/1998

Figure 1



Tank in excavation ready for removal



Tank loaded for disposal

GOLDEN GATE TANK REMOVAL

255 Shipley Street

San Francisco, California 94107 Telephone (415) 512 1555 Fax (415) 512 0964

Project 7571

By: jnc

Not to scale

PHOTOGRAPHS

2836 Union Street Oakland, California

July, 1998 Figure 3

oline	8015M	7.2		07/14/98	SOIL
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ylbenzene	8020	0.065	mg/Kg		
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lenes	8020	0.021	mg/Kg		

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CITY OF OAKLAND FIRE PREVENTION BUREAU 421 14TH ST., 1ST FL. OAKLAND, CALIFORNIA 94612 (510) 238-3851

FILE COPY/ PERMIT

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS In the CITY OF OAKLAND

PLEASE CIRCLE APPROPRIA	Request TE ACTIONS:	Submittal Date:_ Application is ber	5/21/9	8 ermit to:
Remove (h) Install (c) Repair (d)				;
Gasoline (b) Fuel off (c) Diesel	(d)	tank(s)	and excavate,	commencing:
(s) four feet inside the curb line*; (6) is *Inside curb line, please attach copy of side	uside the property levalle/excavation	line; (c) abovegro	und; (d) under; NING AND BU	ground tank(s)
on the DOUTHAIDS OF UNION STOP	ET SL/A	14.280 feet L.	Bi 191	th. 🚳
Site Address: 28310 UNION S	TREET	_Present storage	LASOL	INE
OWNER: LARRY WADLER	Address_ <u>28</u>	36 UNION 51	BEET m	me <u>510-839-585</u> 4
	<u> </u>	SLAND, CA	94608	
Applicant: 400 DEN LAKE TANK RE	HAladdress 25	SHPLEY E	TREET Pho	·415-512-1555
1	SAN	FRUCECO,	CA 9410	7
Sidewalk surface to be disturbed	Number of	Tanks 1 Ca	pacity_iO.	CO Gallons ca.
Remarks 1			7	
Signature / / / / / / / / / / / / / / / / / / /				
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NOTE: FOR TANK INSTALLATION	PLEASE SUBMIT	THIS APPLICA	TION FORM	LLONG WITH A
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P.02

REGULATION 8, RULE 40 NOTIFICATION FORM



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

938 ELLIS STREET SAN FRANCISCO, CALIFORNIA 94109 (415) 771-6000

Check	(1)	X	Removal or Replacement of Tank
			Excavation of Contaminated Soil

	SITE INFORMATION
2020 []	, SALP PRODUCTION
Sile Address 2836 Union St.	
City, State Oakland, CA	Zip 94608
Owner Namo	
Specific Location of Project	
Tank Removal Scheduled Startup Date	Contaminated Soil Excavation Scheduled Startup Date June, 1998
Vapors Removed By: [] Water Wash	Stockpiles Will Be Covered? Yes XX No
[X] Vapor Freeing (CO2)	Indicate below the method used to comply with
I I Ventilation	Regulation 8, Rule 40, Section 402.4:
•	Check (-/) 8-40-301 [] 8-40-302 [] (Permit Required)
What other public agency have you no	tifled (e.g., Fire District, Hazardous Materials Department, city or county)?
	All and the second
	Contact Cherie MacCaulou Phone # (415) 252-3921
ВАДОМЕН	CONTRACTOR INFORMATION
Name Golden Gate Tank Re	moval Contact Tim Hallen
Address 255 Shipley Street	Phone (415) 512-1555
City, State, Zip San Francisco, C	alifornia 94107
CONST	ILTANT INFORMATION (If applicable)
Namo	Contact
Address	Phone ()
City, State, Zip	
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For Office Use Only	
Data Received Fax	Date Postmarked
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MR40FM1 - 10/6/94

See reverse for instructions

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3. Generators Name land Mailing Address 6. Con Con 91/608	
4. Generator's Phone (510) 110, 910, 911	
5. Iransporter 1 Company Name 6. US EPA ID Number	
7. Tronsporter 2 Company Name 8. US EPA ID Number	
P Priority South Hame and Size Address 10. US EPA ID Number	
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HONE **235-1393**

CERTIFICATE

CERTIFIED SERVICES COMPANY

MA' COOTT
CUSTOMER
JOB NO. 972726

255 Parr Boulevard • Richmond, California 94801

,	FOR:	ERICKSON, INC.	TANK NO.		25221	
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Number:

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ient:

Golden Gate Tank

vject:

2836 Union St./#7571

te Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

lyte	Method	Result	Unit	Date Sampled	ν Νατο Β-α1 ν
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rene	8020	0.008	mg/Kg		01/14/98
ylbenzene	8020	0.016	mg/Kg		
2.	8020	0.023	mg/Kq		
#ene	8020	0.012	mg/Kg		
enes	8020	0.027	mg/Kg		
ple: 98-81	4-02 Cli	lent ID: 757	71-E	07/14/98	SOIL
bline	8015M	ND			07/14/98
zene	8020	ND			07/14/90
ylbenzene	8020	ND			
£	8020	ND			
uene	8020	ND			
enes	8020	ND			
ple: 98-81	4-03 Cli	ent ID: 757	'1-W	07/14/98	SOIL
Oline	8015M	7.2	mg/Kg		07/14/98
zene	8020	ND	- •		01/14/30
ylbenzene	8020	0.065	mg/Kg		
E	8020	· ND	.		
uene	8020	0.012	mg/Kg		•
enes	8020	0.021	mg/Kg	,	

confirmed by GC/MS method.8260.

Page

1



h Number:

98-814

Mient:

Golden Gate Tank

mject:

2836 Union St./#7571

ate Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

<u>allyte</u>	Method	Result	Unit	Date Sampled	· Date Analyzed
mple: 98-81	L4-04 Cli	ent ID: 75	71-DISP	07/14/98	SOIL
soline	8015M	2100	mg/Kg		07/14/98
zene	8020	2.8	mg/Kg		
ylbenzene	8020	15	mg/Kg		
BE	8020	*5.1	mg/Kg		
luene	8020	16	mg/Kg		
lenes	8020	93	mg/Kg		



Quality Control/Quality Assurance

ab Number:

98-814

lient:

Golden Gate Tank

Moject:

2836 Union St./#7571

te Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

	~ ~~					
malyte	Method	Reporting Limit	Unit	Blank	MS/MSD · Recovery	RPD
soline	8015M	0.5	mg/Kg	ND	106	5
nzene	8020	.005	mg/Kg	ND	114	0
hylbenzene	8020	.005	mg/Kg	ND	111	1
luene	8020	.005	mg/Kg	ND	110	2
lenes	8020	.010	mg/Kg	ND	114	1
BE.	8020	.005	mg/Kg	ND	112	2

WAP Certificate NO:1753

*viewed and Approved

Whn A.Murphy, Laboratory Director

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P. O. Box 5624 . South San Francisco, California 94083 . 650-588-2838 FAX 588-1950

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North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis

Lab Job No.: _____ Page ___ of ___

Client: T	Report to:	Carre	Phone:	Turnaround Time
Mailing Address:	Billing to:		Fax:	1
2836 Union 5]	3		PO# / Billing Reference:	Date: 7 14 18
Dark feet	17		17571	Sampler: Warrer
Project / Site Address: 2836 ()	inian St	Analysis	× /11/ ///	7
Oak,	tax 4	Requested		
Type No.		mpling a / Time		/ Comments/Hazards
	BI GOV 7/14/8	1242 >->		Placom
7571-E	51	1322 >	2	
7571-W		1300 X		
7571-0KP	1	11315		
		,		
			1 1/1/1	/
	Date: Date:	Time: [4 D Receive	ed by:	2 Lab Comments
Relinquished by:	Date:	Time: Receive	ed by:	160
Relinquished by:	Date:	Time: Receive	ed by:	



ab Number:

98-703

dient:

Golden Gate Tank

hoject:

1225 Mandela Pkwy./#7519-B

ate Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420, AA Spectroscopy

STLC Metals by CAM WET by Title 22 66700

alyte	Method	Resu	Lt Unit	Date Sampled	Dodge Associa
ple: 98-70	03-01	Client ID:	7519-B-SP	06/17/98	Date Analyzed
soline	8015M	ND		00/17/38	SOIL COMP
nzene	8020	ND			06/17/98
hylbenzene	8020	ND			
BE	8020	ND			
luene	8020	ND			
jlenes	8020	ND			
ad	7420	100	mg/Kg		07/10/00
C Lead	7420	4.4	mg/L		07/10/98 07/15/98
ple: 98-70	3-02	Client ID:	7519-B-N	06/17/98	SOIL
soline	8015M	ND		00,11,00	
nzene	8020	ND			06/17/98
hylbenzene	8020	ND			
BE	8020	ND			
luene	8020	ND			
lenes	8020	ND			
ad	7420	43	mg/Kg		07/10/98

Page 1

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P. O. Box 5624 · South San Francisco, California 94083 · 650-588-2838 FAX 588-1950



b Number:

98-703

Mient:

Golden Gate Tank

. ∰oject: 1225 Mandela Pkwy./#7519-B

te Reported: 07/15/98

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Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420, AA Spectroscopy

STLC Metals by CAM WET by Title 22 66700

alyte	Method	Result	Unit	Date_Sampled	Date Analyzed
ple: 98-70	3-03 Cl	ient ID: 751	9-B-S	06/17/98	SOIL
soline	8015M	ND			06/17/98
azene	8020	ND			
ylbenzene	8020	ND			
ÅE	8020	ND			
luene	8020	ND			
lenes	8020	ND			
led	7420	6	mg/Kg		07/10/98
mple: 98-70	3-04 Cl	ient ID: 751	9-B-E	06/17/98	SOIL
soline	8015M	2.0	mg/Kg		06/17/98
nzene	8020	ND			
bylbenzene	8020	ND			
BE	8020	ND			
luene	8020	ND			
lenes	8020	0.030	mg/Kg		
ad	7420	19	mg/Kg		07/10/98

Page



b Number:

98-703

ient:

Golden Gate Tank

mject:

1225 Mandela Pkwy./#7519-B

ite Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420, AA Spectroscopy

STLC Metals by CAM WET by Title 22 66700

ilyte	Method	Result	Unit	Date Sampled	Date Analyzed
iple: 98-70	3~05	Client ID: 7	519-B-W	06/17/98	SOIL
%line	8015M	ИД			06/17/98
izene	8020	ND			00/17/30
ıylbenzene	8020	ND			
}E	8020	ND			
luene	8020	ИD			
enes	8020	ND			
ıd	7420	200	mg/Kg		07/10/98
mple: 98-70		Client ID: 7	519-B-C	06/17/98	SOIL
coline	8015M	ND		, , , , , , , , , , , , , , , , , , ,	06/17/98
izene	8020	ND			00, 1., 50
ylbenzene	8020	ND			
IE .	8020	ND			
.uene	8020	ИD			
.enes	8020	ND			
:d	7420	100	mg/Kg		07/10/98

Page

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Quality Control/Quality Assurance

Number:

98-703

lient:

Golden Gate Tank

pject:

1225 Mandela Pkwy./#7519-B

te Reported: 07/15/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420, AA Spectroscopy

STLC Metals by CAM WET by Title 22 66700

_	_	Reporting			MS/MSD	
alyte	Method	Limit	Unit	Blank	Recovery	RPD
soline	8015M	0.5	mg/Kg	ND	106	2
zene	8020	.005	mg/Kg	ND	97	11
hylbenzene	8020	.005	mg/Kg	ND	104	14
luene	8020	.005	mg/Kg	ND	102	11
lenes	8020	.010	mg/Kg	ND	107	9
BE	8020	.005	mg/Kg	ND	98	14
ıd	7420	1.0	mg/Kg	ND	98/98	0
d	7420	0.05	mg/L	ND	99/99	1

AP Certificate NO:1753

wiewed and Approved

hn A.Murphy, Laboratory Director

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North State Environmental Analytical Laboratory Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis Lab Job No.: Page of _

Client:		TRIF	Report to:	<u>Low</u>	4		Phone:				Turnaround Time
Mailing Address:			Billing to:				Fax:			12	AP
,							PO#/Billi	ing Reference	∋:	Date:(Storle
							751	2-C	\$	Sampl	er arve
Project / Site Address:	1932 WG	nde la	PKWY	Analy: Requested	/6	X	H	///	./		
Sample ID		itainer Pi / Type		ampling ate / Time	E	Es					Comments/Hazards
7519-8-57	501 47	27 Ca	0) 6/12	11400							
7518-B-N	7/18	<u> </u>		1410							
1218-B-2		·		CKHI							
12212.8-E				1430						 	
7519-B-W		/		1440		4/			<u> </u>		
7579-B-C	V V	8	/ 1/		V	У	V				
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		 						$-1\Delta A$	/		&XBT/COCD
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Relinquished by:		•	Date:	Time:		Receive	ed by:			- 1	



ab Number:

98-831

lient:

Golden Gate Tank

project:

2836 Union St./#7571

ate Reported: 07/20/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420 AA Spectroscopy

alyte	Method	Result	Unit	Date_Sampled	Date Analyzed
mple: 98-8:	31-01 Cli	ent ID: 757	1-GW	07/15/98	WATER
soline	8015M	4200	ug/L		07/16/98
nzene	8020	15	ug/L		
Mylbenzene	8020	140	ug/L		
BE	8020	150	ug/L		
luene	8020	4	ug/L		
lenes	8020	170	ug/L		
ad	7420	ND			07/17/98

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Quality Control/Quality Assurance

ab Number:

98-831

lient:

Golden Gate Tank

hoject:

2836 Union St./#7571

hte Reported: 07/20/98

Gasoline, BTEX and MTBE by Methods 8015M and 8020

Lead by Method 7420 AA Spectroscopy

alyte	Method	Reporting Limit	Unit	Blank	MS/MSD Recovery	RPD	
oline	8015M	50	ug/L	ND	96	, <u>, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>	
nzene	8020	0.5	ug/L			11	
ylbenzene	8020	0.5	ug/L	ND	108	13	
luene	8020	0.5	•	ND	105	15	
lenes	8020	1.0	ug/L	ND	106	14	
32	8020	0.5	ug/L	ND	108	11	
ad	7420		ug/L	ИD	82	22	
	7320	0.05	mg/L	ND	106/103	3	

Certificate NO:1753

lewed and Approved

A.Murphy, Laboratory Director

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O. Box 5624 • South San Francisco, California 94083 • 650-588-2838 FAX 588-1950

Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody / Request for Analysis
Lab Job No.: _____ Page ___ of ____

Client: GGT	Report to: Sawar						Phone:				Tumaround Time			
Mailing Address:	Billing to:						Fax:				4244			
	-					PO# / Billing Reference:				Date: 7/16/8				
								1,121				Sampler: Karrar		
Project / Site Address:	£&	6 0 n	ign	21	Analys	sis /	1. /	<	111	\sim /				
	$\overline{\mathcal{O}}$	K/ar	19	Re	quested	, / t	7/14	X/Ā	5/2	ब्र				
Sample ID	Sample Type	Container No. / Type	Pres.	Samp Date /	ling Time	P. L.	1	3	10				/ Comments/Hazards	
7571-GW	Water	1 VOA	(6a)	7/15/8	1330	/		,						
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