

Alameda County
REC'II
Rection Health

March 9, 2016

DEH MAR 11 2016 RCVD

Barbara Jakub Alameda County Department of Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502 Job # 9550

SUBJECT:

CLOSURE REPORT FOR

UNDERGROUND STORAGE TANK

SITE:

378 GRAND AVENUE

OAKLAND, CA 94610

New LOP Case Needs processing

Al Stevens

510-599-6953

Yuval

Dear Ms. Jakub:

Golden Gate Tank Removal, Inc. is pleased to submit the attached report documenting the removal of underground storage tank (UST) from 378 Grand Avenue.

Please include us in the distribution of the notice of completion. Thank you for the opportunity to provide you with our services. If you have any questions, please call Tim Hallen or Brent Wheeler at (415) 512-1555.

Sincerely,

Golden Gate Tank Removal, Inc.

Tim Hallen General Manager 510-385-0858

cc: Yuval Bobrovitch, 2295 San Pablo Avenue Berkeley, CA 94702



UNDERGROUND STORAGE TANK

CLOSURE REPORT

378 Grand Avenue Oakland, CA 94610 Job No. 9550 March 9, 2016

Prepared For:

378 Grand Avenue, LLC. Attention: Mr. Yuval Bobrovitch 2295 San Pablo Avenue Berkeley, CA 94702

Tim Hallen

Registered Environmental Assessor 08006

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COVER SHEET

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1. SITE LOCATION

The commercial property is located at 378 Grand Avenue, with a cross street of Staten Avenue in Oakland, California. Figure 1 attached shows the general site location.

2. SITE HISTORY

One underground storage tank (UST) containing diesel was located beneath the sidewalk along the Grand Avenue frontage of the property. The tank had a capacity of approximately 1500 gallons, measuring approximately 10 feet in length by 5 feet in diameter, and was constructed of single wall bare steel. The fill port was located at the west end of the tank. The age of the tank is unknown. The owner had no prior knowledge of the tank nor is there any indication of previous site investigation activities. The approximate location of the tank as well as nearby streets is shown on the attached Figure 2.

3. PRELIMINARY TANK REMOVAL ACTIVITIES

In December 2015, Golden Gate Tank Removal, Inc. (GGTR) applied for and obtained permits for the tank removal activities from the Alameda County Department of Environmental Health (ACDEH), the City of Oakland Fire Department (COFD) and City of Oakland Planning and Building Department (COPBD). A copy of each agency's permit is included as an attachment.

On December 28, 2015, GGTR mobilized its equipment and began work on the project. The concrete sidewalk covering the tank was removed and disposed of at a local recycler. The overburden soil covering the tank was removed and stockpiled on visqueen sheeting adjacent to the tank excavation. Field measurements indicated that the bottom of the tank was 9.5 feet below grade (fbg) surface. An exposed subsurface AT&T utility pipe extends east-west through the center of the excavation, and a subsurface concrete utility vault housing a gas service lateral/valve extends north-south above the east end of the UST. Also, a City of Oakland street light pole lies adjacent to the southwest corner of the UST excavation. GGTR simultaneously constructed timber shoring along each excavation sidewall to the top of the UST at approximately 4.5 fbg.

The subsurface product and remote fill piping extending between the top of the tank and the northeast corner of the excavation were cut at each end, drained of any residual product and removed from the excavation area. Any exposed UST vent and product/ remote fill pipes were removed; the pipe lines remaining in place we plugged with concrete and capped at the excavation sidewall.

As part of the removal operations, GGTR contracted Fremouw Environmental Services to pump the residual product from the tank and piping into a vacuum tanker truck. GGTR then washed the interior of the tank with 180-degree water using a 3,000-psi pressure washer. A non-toxic enzyme was used to break down thick oil deposits. After a third washing, Fremouw Environmental Services, Inc., on January 26, 2016, removed the wash and rinse water from the tank and transported the Non-RCRA Hazardous Waste Liquid (totaling 1,386 Gallons) under Uniform Hazardous Waste Manifest No. 015104613JJK to the DK Dixon facility in Dixon, California. A copy of the liquid waste manifest is included as an attachment

On January 26, 2016, COFD Inspector Sheryl Skillern tested the lower explosive limit (LEL) and oxygen (O₂) levels in the tank with a Cannonball 3 combustible gas meter. The LEL and O₂ levels were 0% and 20.9%, respectively. Due to the overlying subsurface utilities and City Street

light pole, the COFD approved cutting of the tank into sections to facilitate removal of the UST from the excavation. GGTR initially cut a small 4"-diameter section from each bottom end of the UST to allow access for collection of representative confirmation soil samples, prior to its removal.

4. PRELIMINARY CONFIRMATION SAMPLING & ANALYSIS

On January 26, 2016, under the direction of Barbara Jakub of the ACHED, GGTR collected two discrete soil samples from the former tank excavation and one four-point composite soil sample from the stockpiled overburden soil. Soil samples 9550 E-11.5 and 9550 W-11.5 were collected 2 feet below the respective east and west ends of the tank bottom, at approximately 11.5 feet below sidewalk grade. The composite sample was labeled 9550-SP. All samples were transported to Accutest Laboratories (State ELAP Certification #08258) under formal chain-of-custody protocol for the required analyses. Figure 2 depicts the approximate soil sample locations.

All samples were analyzed for Total Petroleum Hydrocarbons (TPH) as Diesel (C10-C28) by EPA Method SW846 8015B M, Benzene, Toluene, Ethyl Benzene, Total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) and Naphthalene by EPA Method SW846 8260B. A summary of the analytical results is included in the Table provided by Accutest Northern California, Inc. A copy of the laboratory certificate of analysis (Accutest Job #C43826) and chain of custody form is included as an attachment.

5. SAMPLE DATA REVIEW

The discrete confirmation soil samples collected beneath the east (9550 E-11.5) and west (9550 W-11.5) ends of the UST at 11.5 feet below grade contained elevated concentrations of TPH as diesel at 852 and 646 milligrams per kilogram (mg/kg), respectively, exceeding its applicable San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) of 110 mg/kg. The samples also contained non detectable concentrations of BTEX, MTBE and Naphthalene. The stockpile composite sample contained an insignificant concentration of TPH-diesel (44.9 mg/kg) and non detectable BTEX, MTBE and Naphthalene.

As presented above, and in email correspondence to the ACDEH dated February 29, 2016, due to overlying utilities and the presence of a light pole in the direct vicinity of the UST, GGTR cut the UST into small sections and removed them from the excavation using a backhoe transferring them directly into a flatbed truck for offsite disposal as non-hazardous scrap metal.

Immediately following UST removal, GGTR excavated and remove all impacted soil underlying the former UST to approximately 13 fbg. GGTR subsequently collected additional discrete confirmation soil samples at the bottom depth of the excavation, and if warranted, at excavation sidewalls at the groundwater interface.

6. TANK REMOVAL & OVER-EXCAVATION

On March 1, 2016, as directed by Inspector Kevin Hom of the ACDEH, GGTR performed the UST removal and over-excavation & confirmation sampling activities. GGTR initially pumped approximately 150 gallons of residual liquid accumulated within the bottom of the tank (up to 8.5 fbg) directly into 55-gallon storage drums. GGTR then removed the bottom, north and south sidewall sections of the UST from the excavation, and transferred the tank sections to a flatbed truck. The east and west end caps were temporarily left in place to provide support for the overlying utilities and light pole and avoid any sidewall collapsing.

GGTR over-excavated and removed all impacted soil underlying the former UST to approximately 13.5 fbg, and transferred the impacted soil directly into a 20-yard dump truck, parked in the north parking lane of Grand Avenue adjacent to the UST excavation. Visually impacted soil along the north and south sidewalls of the excavation was scraped to the extent feasible and transferred to the dump truck.

Following confirmation sampling (see below), GGTR placed pea gravel in the excavation to approximately 7 fbg to provide support for City light pole and gas service pipe/valve, and then removed the east and west end cap sections of the tank and placed them into a flatbed truck. All tank sections were transported as scrap metal to Circosta Iron & Metal, Inc. in San Francisco, California. A copy of the Certificate of Disposal and Circosta Scrap Metal Recycling Receipt are attached. Figure 3 depicts photographs of the tank removal and over-excavation activities.

7. TANK AND SOIL CONDITION

The tank was found to be in poor condition with visible holes located along the bottom and west end cap sections of the tank. No soil discoloration or hydrocarbon odors were observed in the tank overburden soil; however, visually impacted soil was observed along the north, south and west sidewalls of the excavation, as well as beneath the entire UST from approximately 9.5 to 13 fbg. Soil observed during the UST removal and confirmation sampling, was predominantly a damp to moist, moderate yellowish brown, silty clay (soft to firm). Visually impacted soil was olive gray to dark greenish gray in color with a slight hydrocarbon odor. Soil samples field screened using a calibrated MiniRae Lite photo ionization detector contained total volatile organics ranging between 0.1 and 4.3 parts per million. Drainage water, initially assumed as groundwater, was observed within the bottom of the UST during preliminary UST sampling activities at approximately 8.5 fbg. Groundwater was not observed in the excavation during the UST removal and over-excavation activities. The historical depth to groundwater measured in a former monitoring well (S-1) located at the Chevron-branded Service Station (350 Grand Avenue) approximately 170 feet west of the site, ranged between 6 and 11.5 fbg. An Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report was required by the ACDEH due to holes observed in the tank and visual contamination beneath the UST. A copy of the Leak report is included as an attachment.

8. CONFIRMATION SOIL SAMPLING & ANALYSIS

On March 1, 2016, under the direction of ACDEH Inspector Hom, GGTR collected one discrete soil sample from each sidewall of the excavation, at approximately 8.5 fbg, initially considered as the soil/groundwater interface level, and the general midway depth of impacted soil observed along the excavation sidewalls. GGTR collected each sample by hand augering approximately 2 feet into each excavation sidewall, and transferring the soil from the auger head directly into a brass tube. The discrete samples collected from the south, north, east and west sidewalls were labeled 9550-SW-S-8.5, 9550-SW-N-8.5, 9550-SW-E-8.5, and 9550-SW-W-8.5, respectively.

Immediately following over-excavation of the impacted soil to approximately 13 fbg, GGTR collected an additional discrete soil sample from the bottom east and west ends of the excavation at 13.5 fbg. The discrete samples were labeled 9550-EX-E-13.5 and 9550-EX-W-13.5, respectively. All samples were transported to Accutest Laboratories under formal chain-of-custody protocol for the required analyses. Figure 2 depicts the approximate confirmation soil sample locations.

All samples were analyzed for TPH as Diesel (C10-C28) by EPA Method SW846 8015B M, BTEX, MTBE and Naphthalene by EPA Method SW846 8260B. A summary of the analytical results is included in the Table provided by Accutest Northern California, Inc. A copy of the laboratory certificate of analysis (Accutest Job #C44330) and chain of custody form is included as an attachment.

9. WASTE MANAGEMENT & SOIL DISPOSAL

As above, following removal of the UST wash and rinse water from the UST, Fremouw Environmental Services Inc., on January 26, 2016, transported approximately 1,386 gallons of Non-RCRA Hazardous Waste Liquid under Uniform Waste Manifest No. 015104613 to the DK Dixon facility in Dixon, California. A copy of the associated liquid waste manifest is attached.

Prior to UST removal and over-excavation, GGTR profiled the impacted soil to be generated during over-excavation activities for disposal acceptance at the Keller Canyon Landfill Facility located in Pittsburg, California. Because of the UST overburden soil consisting primarily of clay, and unsuitability for compaction of this material with the overlying utilities, GGTR included the overburden with the remedial soil disposal.

On February 24, 2016, GGTR contracted Big Sky Environmental Solutions (Big Sky) to transport three 55-gallon drums of non-hazardous waste liquid under Non-Hazardous Waste Manifest No. 022216001 to the Instrat Inc. facility in Rio Vista, California. On March 8, 2016, Big Sky transported an additional three 55-gallon drums of non-hazardous waste liquid under Non-Hazardous Waste Manifest No. BSE030816 to the Potrero Hill Landfill. facility in Suisun City, California. A copy of each liquid waste manifest is included as an attachment.

On February 26 and March 1, 2016, GGTR contacted Poli Trucking to transport and dispose of approximately 13 tons of overburden soil and 12.5 tons of impacted soil, respectively, under Non-Hazardous 0Waste Acceptance Profile No. 4212162659 to the Keller Canyon Landfill facility in Pittsburg, California. A copy of each solid waste manifest and associated weight tag is included as an attachment.

10. SITE RESTORATION

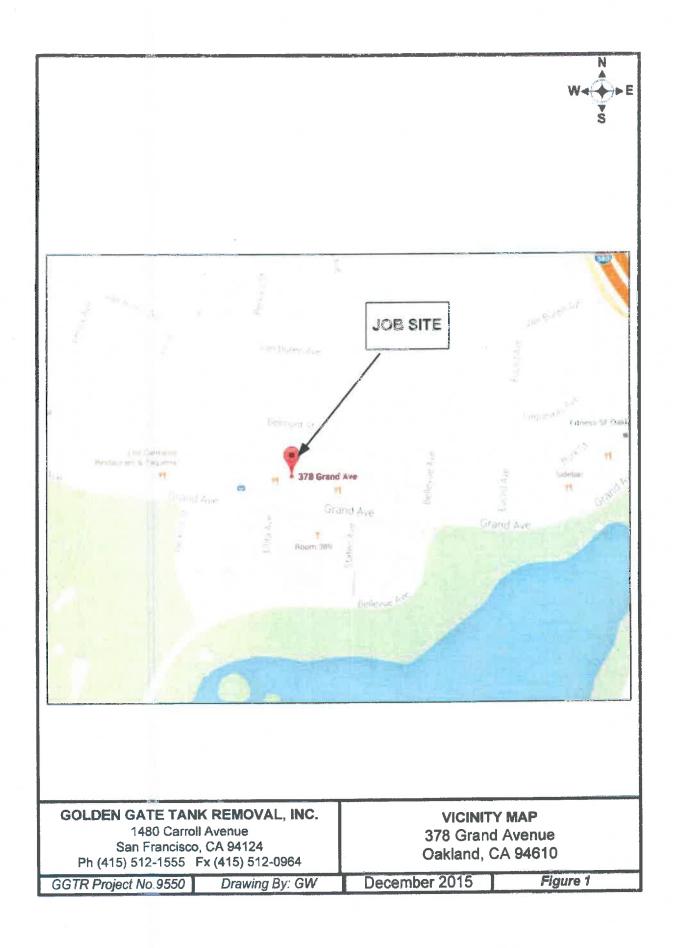
On March 1 & 2, 2016, following UST removal and over-excavation, GGTR backfilled the entire excavation with clean, self-compacting, imported pea gravel. The sidewalk was subsequently replaced in conformance with OPB requirements.

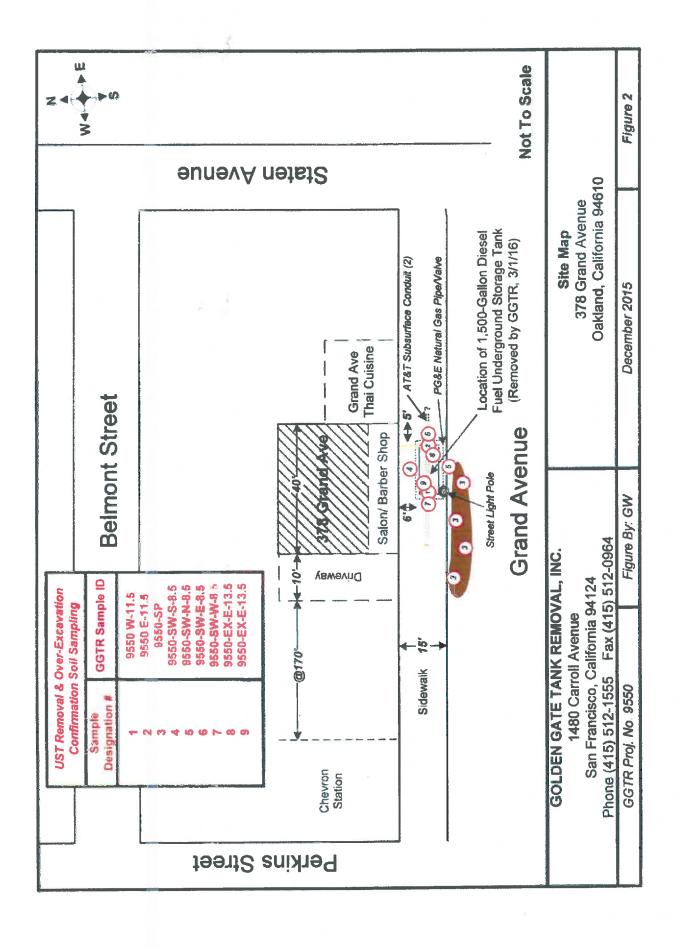
11. FINDINGS / RECOMMENDATION

There were visible holes in the bottom and west end cap sections of the tank, as well as visual evidence of contamination in the soil along the north, south and west sidewalls of the excavation, as well as beneath the entire UST from approximately 9.5 to 13 fbg. GGTR over-excavated and removed all impacted soil underlying the former UST to approximately 13.5 fbg, and transferred the impacted soil directly into a 20-yard dump truck. Visually impacted soil along the north and south sidewalls of the excavation was scraped to the extent feasible and transferred to a dump truck. All impacted soil and the clayey overburden soil was properly profiled and transported for disposal to Keller Canyon Landfill Facility. The contents of the tank were disposed of according to all applicable regulations. Groundwater was not encountered in the excavation during the tank removal, over-excavation or confirmation sampling activities.

Following over-excavation activities, GGTR collected one discrete soil sample from each sidewall of the excavation, at approximately 8.5 fbg, and one additional discrete soil sample from the bottom east and west ends of the excavation at 13.5 fbg. The discrete soil sample collected from the south excavation sidewall (Sample ID 9550-SW-S-8.5) along Grand Avenue exceeded the applicable SF Bay RWQCB Environmental Screening Level for residential (100 mg/kg) and commercial (530 mg/kg) land usage. All other analytical results from the State Certified Laboratory following the tank removal and remedial soil excavation activities were non-detect to insignificant; therefore, GGTR recommends no further action at the site.

FIGURES





TANK IN EXCAVATION





TANK REMOVAL IN PROGRESS

GOLDEN GATE TANK REMOVAL, INC. 1480 Carroll Avenue San Francisco, CA 94124 Ph (415) 512-1555 Fx (415) 512-0964

GGTR Project No. 9550

Drawing By: EJ

UST REMOVAL 378 Grand Avenue Oakland, CA 94610

March 2016

Figure 3

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TABLE

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Job Number:	C43826						
Account:		Gate Tank Remo					
Project:	378 Gra	nd Avenue - Oal	dand, CA				
Project Number:	9550						
			Legend:	Hit			
Client Sample ID:		9550 W-11.5	9550 E-11.5	9550-SP			
Lab Sample ID:		C43826-1	C43826-2	C43826-3			
Date Sampled:		1/26/2016	1/26/2016	1/26/2016			
Matrix:	-4	Soil	Soil	Soil			
GC/NS Volatiles (SW84							
		ND (0.50)	ND (0.40)	ND (18)			
Benzene	ug/kg	ND (0.50)	ND (0.49)	ND (18)			
Benzene Toluene	ug/kg ug/kg	ND (0.50)	ND (0.49)	ND (18)			
Benzene Toluene Ethylbenzene	ug/kg ug/kg ug/kg	ND (0.50) ND (0.50)	ND (0.49) ND (0.49)	ND (18) ND (18)			
Benzene Toluene Ethylbenzene Xylene (total)	ug/kg ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99)	ND (0.49) ND (0.49) ND (0.98)	ND (18) ND (18) ND (35)			
Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ug/kg ug/kg ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99) ND (0.99)	ND (0.49) ND (0.49) ND (0.98) ND (0.98)	ND (18) ND (18) ND (35) ND (35)			
Benzene Toluene Ethylbenzene Xylene (total)	ug/kg ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99)	ND (0.49) ND (0.49) ND (0.98)	ND (18) ND (18) ND (35)			

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Accutest Northern		
California,Inc.		
Job Number:	C44010	
Account:	Golden Gate	
Project:	378 Grand Av	enue - Oakfand,
Project Number:	9550	
	Legend:	
Client Sample ID:		9550-SP2
Lab Sample ID:		C44010-1
Date Sampled:		1/26/2016
Matrix:		Soil
(F) (1) (B)	6800	
Benzene	ug/kg	ND (0.49)
Toluene	ug/kg	ND (0.49)
Ethylbenzene	ug/kg	ND (0.49)
Xylene (total)	ug/kg	ND (0.99)
atiles (SW846 8015B M) "88o	Mben .

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Job Number:	C43975				
Account:	Golden	Gate Tank R	emoval		
Project:	378 Gra	and Avenue -	Oakland, CA		
Project Number:	9550				
				Legend:	Hit
Client Sample ID:		9550-W- 13'	9550-W- 14.5'	9550-E-13'	9550-E-14.5
Lab Sample ID:		C43975-1	C43975-2	C43975-3	C43975-4
Date Sampled:		2/4/2016	2/4/2016	2/4/2016	2/4/2016
Matrix:		Soil	Soil	Soil	Soil
(नुसार्च्युक्तालयुद्ध)	nerty of a	3)	(1911LED)		
			ND (0.40)		ND (0.49)
Benzene	ug/kg	ND (0.49)	ND (0.49)	ND (0.50)	ND (0.49) ND (0.49)
Benzene Toluene	ug/kg ug/kg	ND (0.49) ND (0.49)	ND (0.49)	ND (0.50) ND (0.50)	ND (0.49)
Benzene Toluene Ethylbenzene	ug/kg ug/kg ug/kg	ND (0.49) ND (0.49) ND (0.49)	ND (0.49) ND (0.49)	ND (0.50) ND (0.50) ND (0.50)	-
Benzene Toluene	ug/kg ug/kg ug/kg ug/kg	ND (0.49) ND (0.49)	ND (0.49)	ND (0.50) ND (0.50)	ND (0.49) ND (0.49)
Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ug/kg ug/kg ug/kg	ND (0.49) ND (0.49) ND (0.49) ND (0.97)	ND (0.49) ND (0.49) ND (0.99)	ND (0.50) ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98)
Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl	ug/kg ug/kg ug/kg ug/kg ug/kg	ND (0.49) ND (0.49) ND (0.49) ND (0.97) ND (0.97)	ND (0.49) ND (0.49) ND (0.99) ND (0.99)	ND (0.50) ND (0.50) ND (0.50) ND (1.0) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98)

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Job Number:	C44330						
Account:	Golden	Gate Tank Rem	oval				
Project:	378 Gra	ind Avenue - Oa	kland, CA				
Project Number:	9550						D
						Legend:	¥n.
Client Sample ID:		9550-SW-S- 8.5	9550-SW-N- 8.5	9550-SW-E- 8.5	9550-SW-W- 8.5	9550-EX-E- 13.5	9550-EX-W 13.5
Lab Sample ID:		C44330-1	C44330-2	C44330-3	C44330-4	C44330-5	C44330-6
Date Sampled:		3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil
Renzene	ua/ka	ND (0.50)	ND (0.50)	ND (0.49)	ND (0.50)	ND (0.50)	ND (0.49)
Benzene Toluene	ug/kg	ND (0.50)	ND (0.50)	ND (0.49) ND (0.49)	ND (0.50) ND (0.50)	ND (0.50) ND (0.50)	ND (0.49) ND (0.49)
Toluene	ug/kg	ND (0.50)	ND (0.50)	ND (0.49)			
Toluene Ethylbenzene	ug/kg ug/kg	ND (0.50) ND (0.50)	ND (0.50) ND (0.50)		ND (0.50)	ND (0.50)	ND (0.49)
Toluene	ug/kg	ND (0.50)	ND (0.50)	ND (0.49) ND (0.49)	ND (0.50) ND (0.50) ND (1.0)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98)
Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl	ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98)	ND (0.50) ND (0.50) ND (1.0)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49)
Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ug/kg ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99) ND (0.99)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98) ND (0.98)	ND (0.50) ND (0.50) ND (1.0)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98) ND (0.98)
Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether	ug/kg ug/kg ug/kg ug/kg ug/kg	ND (0.50) ND (0.50) ND (0.99) ND (0.99) ND (0.99)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98)	ND (0.50) ND (0.50) ND (1.0)	ND (0.50) ND (0.50) ND (1.0)	ND (0.49) ND (0.49) ND (0.98) ND (0.98)

ATTACHMENTS

ANALYTICAL REPORT
CERTIFICATE OF TANK DISPOSAL
SCRAP METAL RECYCLING RECEIPT
LIQUID WASTE MANIFESTS
SOIL WASTE MANIFEST/WEIGHT TAGS
UST UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION REPORT
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
PERMITS



McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:

1601340

Report Created for:

Fremouw Environmental Services, Inc.

6940 Tremont Rd., Dixon, CA 95620

Project Contact:

Dina Barron

Project P.O.:

Project Name:

#61554; 378 Granda Ave. (GGTR)

Project Received:

01/12/2016

Analytical Report reviewed & approved for release on 01/13/2016 by:

Angela Rydelius,

Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

Glossary of Terms & Qualifier Definitions

Client:

Fremouw Environmental Services, Inc.

Project:

#61554; 378 Granda Ave. (GGTR)

WorkOrder:

1601340

Glossary Abbreviation

95% Interval

95% Confident Interval

DF

Dilution Factor

DI WET

(DISTLC) Waste Extraction Test using DI water

DISS

Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)

DLT

Dilution Test

Duplicate

DUP

EDL ITEF Estimated Detection Limit

International Toxicity Equivalence Factor

LCS

Laboratory Control Sample

MB

Method Blank

MB % Rec

% Recovery of Surrogate in Method Blank, if applicable

MDL

Method Detection Limit

ML

Minimum Level of Quantitation

MS

Matrix Spike

MSD

Matrix Spike Duplicate

N/A

Not Applicable

ND

Not detected at or above the indicated MDL or RL

NR

Di ta Not Reported due to matrix interference or insufficient sample amount.

PDS

Post Digestion Spike

PDSD

Post Digestion Spike Duplicate

PF

Prep Factor

RD

Relative Difference

RL

Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)

RPD

Relative Percent Deviation

RRT

Relative Retention Time

SPK Val

Spike Value

SPKRef Val

Spike Reference Value

SPLP

Synthetic Precipitation Leachate Procedure

TOLP

Toxicity Characteristic Leachate Procedure

TEQ

Toxicity Equivalents

WET (STLC)

Waste Extraction Test (Soluble Threshold Limit Concentration)

Glossary of Terms & Qualifier Definitions

Client:

Fremouw Environmental Services, Inc.

Project:

#61554; 378 Granda Ave. (GGTR)

WorkOrder:

1601340

Analytical Qualifiers

S spike recovery outside accepted recovery limits

a1 sample diluted due to matrix interference

lighter than water immiscible sheen/product is present

c? Surrogate value diluted out of range

h4 sulfuric acid permanganate (EPA 3665) cleanup

Analytical Report

Client:

Fremouw Environmental Services, Inc.

Date Received: 1/12/16 10:56

Date Prepared: 1/12/16

Project:

#61554; 378 Granda Ave. (GGTR)

WorkOrder:

1601340

Extraction Method: SW3580A

Analytical Method: SW8082

Unit:

mg/kg

	Polychlorina	ted Bipheny	ls (PCBs)	Aroclors		
Client ID	Lab ID	Matrix	Date C	Collected	Instrument	Batch ID
GGTR-001	1601340-001A	Oil	01/11/2	016 07:30	GC5A	115272
Analytes	Result		RL	<u>D</u> E		Date Analyzed
Aroclor1016	ND		2.0	1		01/12/2016 15:04
Aracior1221	ND		2.0	4		01/12/2016 15:04
Aroclor1232	ND	Million of the contract of the	2.0	4		01/12/2016 15:04
Aroclor1242	ND	and the same of th	2.0	Ť		01/12/2016 15:04
Aroclor1248	ND		2.0	1	And the state of t	01/12/2016 15:04
Aroclor1254	ND	-	2.0	t		01/12/2016 15:04
Aroclor1260	ND	Approximation of the second of	2.0	1		01/12/2016 15:04
PCBs, total	ND	-	2.0	1	To Market Comments	01/12/2016 15:04
Surrogates	REC (%)		Limits			
Decachlorobiphenyl	96		70-130			01/12/2016 15:04
Analyst(s): CK			Analytical Con	nments: h4		

Analytical Report

Fremouw Environmental Services, Inc.

1601340

Date Received: 1/12/16 10:56

WorkOrder:

Extraction Method: SW3510C

Date Prepared: 1/12/16

Analytical Method: SW8082

Project:

#61554; 378 Granda Ave. (GGTR)

Unit:

μg/L

	Polychlorinat	ted Bipheny	ls (PCBs) A	Aroclors	
Client ID	Lab ID	Matrix	Date C	ollected Instrument	Batch ID
GGTR-001	1601340-001B	Water	01/11/20	016 07:30 GC20	115222
Analytes	Result		RI.	DF	Date Analyzed
Aroclor1016	ND		1000	1,000	01/12/2016 16:53
Aroclor1221	ND		1000	1,000	01/12/2016 16:53
Aroclor1232	ND		1000	1,000	01/12/2016 16:53
Aroclor1242	ND		1000	1,000	01/12/2016 16:53
Aroclor1248	ND		1000	1,000	01/12/2016 16:53
Aroclor1254	ND		1000	1,000	01/12/2016 16:53
Aroclor1260	ND		1000	1,000	01/12/2016 16:53
PCBs, total	ND		1000	1,000	01/12/2016 16:53
Surrogates	REC (%)	Qualifiers	<u>Limits</u>		
Decachlorobiphenyl	220	S	70-130		01/12/2016 16:53
Analyst(s): SS			Analytical Com	ments: a1,c7,b6	

Quality Control Report

Client:

Fremouw Environmental Services, Inc.

Date Prepared: 1/12/16

Date Analyzed: 1/12/16

Instrument:

GC5A

Matrix:

Oil

Project:

#61554; 378 Granda Ave. (GGTR)

WorkOrder:

1601340

BatchID:

115272

Extraction Method: SW3580A

Analytical Method: SW8082

Unit:

ng/kg

Sample ID:

MB-115272

4	QC Sum	mary Repor	t for SW8082				
Anaiyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aroclor1016	ND		2.0		-	-	
Aroclor1221	ND	3	2.0	-		-	*
Aroclor1232	ND	=	2.0		-	-	-
Aroclor1242	ND	and the second s	2.0	*	-	4	
Aroclor1248	ND		2.0				-
Aroclor1254	ND	•	2.0		-		
Aroclor1260	ND	9	2.0		-		
PCBs, total	ND	*	2.0		•		() * (
Surrogate Recovery							
Decachlorobiphenyl	3,43			4	86		**

Quality Control Report

Clienta

Fremouw Environmental Services, Inc.

WorkOrder:

1601340

Date Prepared: 1/11/16

BatchID:

115222

Date Analyzed: 1/12/16

Instrument: GC20 **Extraction Method: SW3510C**

Analytical Method: SW8082

Matrix:

Water

Unit:

μg/L

Project:

#61554; 378 Granda Ave. (GGTR)

Sample ID:

MB/LCS-115222

Analyte	MB Result	LCS Result	RL.	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aroclor1016	ND		0,50			•	166
Aroclor1221	ND	•	0.50	147	•		
Aroclor1232	ND	22	0.50	-	-	•	
Aroclor1242	ND	49	0.50	-		-/	
Arccior1248	ND		0.50	14	-	-	
Aroclor1254	ND	The second distribution of the William Co.	0.50	-		-	1 (6)
Arocior1260	ND	3.62	0.50	3.75	*	97	70-130
PCBs, total	ND	enggeright of higherman security.	0.50	5.20			- Canada Carra Caraba C
Surrogate Recovery							
Decachlorobiphenyl	1.34	1.35		1.25	107	108	70-130

McCampbell Analytical, Inc.

1534 Willow Pass Rd Pitsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252-9262					WorkOrder: 1601340	: 1601340	ClientC	ClientCode: FESV			
		WaterTrax	WriteOn	EDF	Exce	EQuIS	Z Email	HardCopy	/ ThirdParty	J-flag	
Report to:					116	Bill to:		ď	Requested TAT:	day:	
Dina Barron Fremouw Environmental Services, Inc.	intal Services, Inc.	Email: d	lbarron@hazwa Ibarron@hazwa	Email: dbarron@hazwasteremoval.com; pfremou co3rd Party dbarron@hazwasteremoval.com; pfremou		Accounts Payable Fremouw Environn	Accounts Payable Fremouw Environmental Services, Inc.		E.		
5840 Iremont Rd.,		5				6940 Iremont Rd.	Rd.,	a	Date Received;	01/11/7010	
Dixon, CA 95620 (800) 559-3274 F ₂	FAX: 707-447-3499	ProjectNo: #	ProjectNo: #61554; 378 Gra	Granda Ave. (GGTR)		Dixon, CA 95620 ap@hazwasterem	Dixon, CA 95620 ap@hazwasteremoval.com	Q	Date Logged:	01/12/2016	
							Requested 1	Requested Tests (See legend below)	d below)		
Lab ID	Client ID		Matrix	Collection Date	Hold	2 3	40	2 8	8 9 10	1 12	
1601340-001	GGTR-001		ō	1/11/2016 7:30	V						
1601340-001	GGTR-001		Water	1/11/2016 7:30		60					1

Test Legend:

A)		0
~	9	10
ric .		
8082 PCB_O(MG/KG)		
PCB_O	1	10000
8082		
- 10. 10. 10.	. Marin Y canada	The second secon
Indeport-2	40	

	i		,	ì
8082 PCB W				
		elmada.		

m

Prepared by: Rosa Venegas

Comments: Analyze both oil and water phase per P.R.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.

McCambbell Analytical, Inc.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Toll Free Telephone: (877) 252-9262 Fax 1925; 252-9269 http://www.nccampbell.com / E-usal mane@mreamphell.com

9

A. 化多用型砂料

25

ST-IR

WORK ORDER SUMMARY

Client Name: Project: Comments:	#61554; 378 Analyze both o	FREMOUW ENVIRONMENTAL SERVICES, INC. #61554; 378 Granda Ave. (GGTR). Analyze both oil and water phase per P.R.	L SERVICES, INC () P.R.		QC Level: LEVEl. 2 Client Contact: Dina Barron Contact's Email: dbarron@hazwasteremoval.com; pfremouw@hazwasteremoval.cor	LEVE1. 2 Dina Barro dbarron@h pfremouw@	LEVE1, 2 Dina Barron dbarron@hazwasteremoval.com; pfremouw@hazwasteremoval.com;	l.com; val.com;		Worl	Work Order: 1601340 Date Logged: 1/12/2016	1601340 1/12/2016
		WaterTrax	WriteOn	EDF	Excel	Fax	V Email	HardCo	☐ HardCopy ☐ ThirdParty ☐ J-flag		-flag	
Lab ID	Client ID	Matrix	Test Name		Containers /Composites	s Bottle	Containers Bottle & Preservative	De- chtorinated	De- Collection Date	TAT	Sediment Content	TAT Sediment Hold SubOut Content
1601340-001A GGTR-001	GGTR-001	ľO	SW8082 (PCBs Only)	nly)			1LA		1/11/2016 7:30	1 day		
1601340-001B GGTR-001	GGTR-001	Water	SW8082 (PCBs Only)	(nly)			ILA		1/11/2016 7:30	l day		

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission). - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

dbarrong than asteremon at com

prapozo(ghazwa) teremoval com apapini (ghazwasteremoval com

pfremouw/a/hazwasteremoval.com

Comments for Metals 5 DAY Check if sample is effluent and "J" flag is required Samples analysis: Yes / No Filter Write On (DW) 72 HR Other RECORD COMMENTS PCBS - 5 Arodors with Method 8082 48 118 (200 / COO 7 7 200 7 7 (CO 7 0) Per 1/1/LL 2 2/5/24 (2007 / 2008 / 2010 / 2020) C Excel IAIN OF CUSTODY 当古が (070) (0509) (5007) \$008 (6010) (6050) OTHER (5VNA / 8HVA) 0168 / IVIS 0278 - VAA RUSH (SDOAS) 0278 / ST9 / T'STS VATA (SOOA) 0928 / 829 / 21828 VAS METALS Analysis Request PDF EPA 515 / 8151 (Acidic Cl Herbicides) OSIA? (sappinsad an) this 7200 Van A D'TIME 086 EPA 608 / 8082 PCB's (NUL); \toologs \ Congeners APPROPRIATE CONTAINERS OO DECILORINATED IN LAB EPA 505/608/8081 (CL Pesticides) GeoTracker EDF STON 21LBE | BLEZ ONLY (EPA 502 / 8023) HEAD SPACE ABSENT PRESERVED IN LAS COOD COADITION EPA 502.2 / 601 / 8010 / 8021 (HVOCs) PRESERVATION (1.814) zneda soarbyld muolentest (41.814) Total Petroleum Oil & Grease (1664 / 5520 E/B&F) (2108) besid as HqT BLEZ & LEH 28 C32 (602 / 8021 + 8012) / MLDE Other PRESERVED CGTR METHOD Bill To: Fremouw Environmental Svs ONH HCL Project Name: 378 Grand Ave. ICE Fax: (928) 252-9269 Other Website: www.mccampbell.com Email: main@mccampbell.com 1533 WILLOW PANS ROAD 16 013 4/C MATRIX Sludge 148-1400 McCAMPBELL ANALYTICAL, INC JIV lio2 T91RW Received By: Received By: Fax: (707) Received By Type Containers Ö PITTERNI INC. CA 94565-1701 Project Location: 678 Grand Ave. Oaklang CA 94的0 E-Mail: # Containers Company: Fremouw Environmental Services, Inc. 6940 Tremont Road, Dixon, CA 95620 7367 Time: Тіте Time: lime: SAMPLING Telephone: (877) 252-9262 Date LOCATION Field Point Name Tele: (707) 448-3700 Sampler Signature: Project #: 61554 SAMPLE ID Relinquished By Relinquished Be Relinguished B Report To: GGTR-00

Comments:

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: Project Name: WorkOrder Ns: Carrier:	Fremouw Environmental Services, Inc. #61554; 378 Granda Ave. (GGTR) 1601340 Matrix: Oil/Water			Date and Time Received: Date Logged: Received by: Logged by:	1/11/2016 15:30 1/12/2016 Rosa Venegas Rosa Venegas
	Chain of C	ustody	(COC)	Information	
Chain of custody	present?	Yes	φ	No 🗆	
Chain of custody	signed when relinquished and received?	Yes	4	No 🗆	
Chain of custody	agrees with sample labels?	Yes	y	No 🗀	
Sample IDs note	d by Client on COC?	Yes	V	No 🗆	
Date and Time of	collection noted by Client on COC?	Yes	9	No 🗆	
Sampler's name	noted on COC?	Yes	✓	No 🗔	
	Sample	e Rece	ipt Info	mation	
Custody seals in	act on shipping container/cooler?	Yes		No 🗔	NA 🗹
Shipping contain	er/cooler in good condition?	Yes	7	No 🗀	
Samples in prope	er containers/bottles?	Yes	~	No 🗆	
Sample containe	rs intact?	Yes		No 🗀	
Sufficient sample	volume for indicated test?	Yes	•	No 🗔	
	Sample Preservation	on and	Hold Ti	me (HT) information	
All samples rece	ived within holding time?	Yes		No 🗆	
Sample/Temp Bi	ank temperature		Temp):	NA 🗹
Water - VOA via	is have zero headspace / no bubbles?	Yes		No 🗌	NA 🗹
Sample labels cl	necked for correct preservation?	Yes	•	No 🗀	
pH acceptable u	pon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes		No 🗔	NA 🗹
Samples Receive	ed on Ice?	Yes		No 🗹	
	tested and acceptable upon receipt for EPA 522?			No □ No □	na 🗹 na 🗹
Free Chlorine 300.1, 537, 53	tested and acceptable upon receipt for EPA 218.7, 9?	Yes	<u> </u>	LJ 0N	147 024
* NOTE: If the "I	lo" box is checked, see comments below				



01/27/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for



378 Grand Avenue - Oakland, CA

9550

Accutest Job Number: C43826

Sampling Date: 01/26/16



Golden Gate Tank Removal, Inc.

1455 Yosemite Ave.

San Francisco, CA 94124

gina.wee@ggtr.com; tim@ggtr.com; b.wheeler@ggtr.com; amm@ggtr.com

ATTN: Gina Wee

Total number of pages in report: 22

TO ACCRED

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy Lab Director

grown of Mushy

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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C43826

Job No:

Sample Summary

Golden Gate Tank Removal

378 Grand Avenue - Oakland, CA Project No: 9550

Sample Number	Collected Date	Time By	Received	Matri Code		Client Sample ID
C43826-1	01/26/16	12:15	01/26/16	so	Soil	9550 W-11.5
C43826-2	01/26/16	12:20	01/26/16	SO	Soil	9550 E-11.5
C43826-3	01/26/16	12:30	01/26/16	SO	Soil	9550-SP

Summary of Hits Job Number: C43826

Account:

Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

01/26/16 Collected:

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL_	MDL	Units	Method
C43826-1	9550 W-11.5					
TPH (C10-C28)		646	67	17	mg/kg	SW846 8015B M
C43826-2	9550 E-11.5					
TPH (C10-C28)		852	66	17	mg/kg	SW846 8015B M
C43826-3	9550-SP					
TPH (C10-C28)		44.9	9.9	2.5	mg/kg	SW846 8015B M





Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID: 9550 W-11.5

Lab Sample ID:

C43826-1

Matrix:

SO - Soil

Method: Project:

SW846 8260B 378 Grand Avenue - Oakland, CA Date Sampled: 01/26/16

Date Received: 01/26/16

Percent Solids: n/a a

Run #1

File ID M58340.D DF Analyzed 01/26/16

By XB **Prep Date** n/a

Prep Batch n/a

Q

Analytical Batch

VM1751

Run #2

Initial Weight

Run #1

5.04 g

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units
71-43-2	Benzene	ND	5.0	0.50	ug/kg
108-88-3	Toluene	ND	5.0	0.50	ug/kg
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg
1330-20-7	Xylene (total)	ND	9.9	0.99	ug/kg
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	0.99	ug/kg
91-20-3	Naphthalene	ND	5.0	0.99	ug/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7 2037-26-5	Dibromofluoromethane Toluene-D8	104% 97%		70-130% 70-130%
460-00-4	4-Bromofluorobenzene	109%		7 0-130%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Report of Analysis

Page 1 of 1

Client Sample ID: 9550 W-11.5

Lab Sample ID: Matrix:

C43826-1

Method:

SO - Soil

Project:

SW846 8015B M SW846 3550B 378 Grand Avenue - Oakland, CA

Final Volume

Date Sampled: 01/26/16 Date Received: 01/26/16

Percent Solids: n/a a

Run #1

File ID GG64124.D DF 20

Analyzed 01/27/16

Prep Date By FL 01/26/16

Prep Batch OP13797

Analytical Batch GGG1906

Run #2

Initial Weight

30.1 g

 $1.0 \, \mathrm{ml}$

Run #1 Run #2

TPH Extractable

CAS No. Compound Result

646

RL

MDL

17

Units

Q

67

mg/kg

CAS No.

Surrogate Recoveries

Run#1

Run#2

Limits

630-01-3

Hexacosane

TPH (C10-C28)

128%

38-146%

(a) All results reported on a wet weight basis.

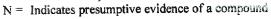
ND = Not detected

RL = Reporting Limit E = Indicates value exceeds calibration range

MDL = Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Ву

XB

n/a

Client Sample ID: 9550 E-11.5 Lab Sample ID: C43826-2

File ID

5.10 g

M58342.D

Matrix:

SO - Soil

Method: Project:

SW846 8260B

DF

1

378 Grand Avenue - Oakland, CA

Analyzed

01/27/16

01/26/16 Date Sampled: Date Received: 01/26/16

n/a

Percent Solids: n/a a

Analytical Batch Prep Date Prep Batch VM1751

Run #1 Run #2

Initial Weight

Run #1

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9 4.9	0.49 0.49	ug/kg ug/kg	
108-88-3 100-41-4	Toluene Ethylbenzene	ND ND	4.9	0.49	ug/kg	
1330 - 20-7 1634-04-4	Xylene (total) Methyl Tert Butyl Ether	ND ND	9.8 4.9	0.98 0.98	ug/kg ug/kg	
91-20-3	Naphthalene	ND	4.9	0.98	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7 2037-26-5	Dibromofluoromethane Toluene-D8	97% 96%		70-1	30% 30%	
460-00-4	4-Bromofluorobenzene	110%		70-1	.30%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Report of Analysis

Page 1 of 1

Client Sample ID: 9550 E-11.5

Lab Sample ID: Matrix:

C43826-2 SO - Soil

Date Sampled:

01/26/16

Method:

SW846 8015B M SW846 3550B

Date Received:

01/26/16

Project:

378 Grand Avenue - Oakland, CA

Percent Solids: n/a a

File ID DF

Analyzed 01/27/16

Prep Date By FL

Prep Batch

Analytical Batch

Run #1 Run #2

GG64125.D

01/26/16

OP13797

GGG1906

Initial Weight

30.2 g

Final Volume

Run #1

1.0 ml

20

Run #2

TPH Extractable

CAS No. Compound Result

RL

Units

Q

TPH (C10-C28)

852

66

mg/kg

CAS No.

Surrogate Recoveries

Run# 1

Run# 2

Limits

MDL

17

630-01-3

Hexacosane

132%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: 9550-SP Lab Sample ID:

C43826-3

Matrix:

SO - Soil

Method:

SW846 8260B

Date Sampled: 01/26/16

Date Received: 01/26/16

Percent Solids: n/a a

378 Grand Avenue - Oakland, CA Project:

	File ID	DF	Analyzeů	Ву	Prep Date	Prep Batch	Analytical Batch VM1751
Run #1 b	M58337.D	1	01/26/16	XB	n/a	111 64	
Run #2							

Methanol Aliquot Final Volume Initial Weight 100 ul 5.0 ml Run #1 7.11 g Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	180	18	ug/kg	
108-88-3	Toluene	ND	180	18	ug/kg	
100-41-4	Ethylbenzene	ND	180	18	ug/kg	
1330-20-7	Xylene (total)	ND	350	35	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND.	180	35	ug/kg	
91-20-3	Naphthalene	ND	180	35	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	nits	
1868-53-7	Dibromofluoromethane	96%		70-1	130%	
2037-26-5	Toluene-D8	98%		70-1	130%	
460-00-4	4-Bromofluorobenzene	91%		70-	130%	

(a) All results reported on a wet weight basis.

(b) 4:1 composite.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

By

FL

Page 1 of 1

Client Sample ID: 9550-SP

Lab Sample ID: Matrix:

C43826-3

Method: Project:

SO - Soil

SW846 8015B M SW846 3550B

378 Grand Avenue - Oakland, CA

Date Sampled: 01/26/16 Date Received: 01/26/16

Percent Solids: n/a a

Run #1

File ID GG64117.D DF 3

Analyzed 01/27/16

Prep Date 01/26/16

Prep Batch OP13797

Analytical Batch

GGG1906

Run #2

Initial Weight

30.2 g

Run #1

Final Volume 1.0 ml

Run #2

TPH Extractable

CAS No. Compound

Result

RL

MDL

Units Q

TPH (C10-C28)

44.9

9.9

2.5 mg/kg

CAS No. Surrogate Recoveries Run#1

Run# 2

Limits

630-01-3

Hexacosane

110%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





F

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

Chain of Custody

	ACCUT	E	ST	CH/ 210	41N 15 Lundy 1) 588-02	Ave, Sa	ın Jose	s, CA		1	Y	SELFER MON		and the same of th	Source Order	e Gardenla NG Pala St	7 Y 2	5826
	LABO	HAT	BIRC	8													140	100
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		nown Ne:	Projet Steen	374	1 <u>6</u> 6	LAN		and	<u>- 11</u>	~15X	300	8			ACCOUNT OF THE PERSON	0000		51% Surface Water
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C43826: Chain of Custody

Page 1 of 2

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C438	26 Client: GOLDEN GATE	E TANK REMOVAL	Project: 378 GRAND AV	E #9550
Date / Time Received: 1/26/2		od: Accutest Courier	Airbill #s:	and the second s
Cooler Temps (Initial/Adjusted	i): #1: (4/3.1):			
			v - Documentation	Y or N
Custody Seals Present: Custody Seals Intact:	☑ 3 COC Present: ☑ ☑ 4 Smpl Dates/Time OK ☑		present on bottles:	
2. Custody Seals Intact:	Y or N	_ Z Container labe	iling complete: ner label / COC agree	
Temp criteria achieved:		Sample Integri	ty - Condition	Y or N
2 Therm ID:	IR3;	1 Sample recvd	within HT:	
3. Cooler media:	Ice (Bag)	2. All containers	accounted for:	
4 No Coolers:	1	3 Condition of sa	ample:	Intact
Quality Control Preservation	Y or N N/A	Sample Integri	tv - Instructions	Y or N N/A
1 Trip Blank present / cooler:		1 Analysis requ	ested is clear:	
2. Trip Blank listed on COC:		2 Bottles receive	ed for unspecified tests	
3 Samples preserved properly:		3 Sufficient volu	ime recvd for analysis:	
4 VOCs headspace free:		4 Compositing i	instructions clear:	
		5. Filtering Instru	uctions clear:	
Comments		•		
Accutest Laboratories V:406 586 0200		2105 Lundy Avenue F: 408 588 0201		Sen Jose, CA 95131 www/seculest com

C43826: Chain of Custody Page 2 of 2





GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- · Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

Job Number: C43826

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample VM1751-MB	File ID M58324.D	DF	Analyzed 01/26/16	By XB	Prep Date n/a	Prep Batch n/a	Analytical Batch VM1751
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The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2 100-41-4 1634-04-4	Benzene Ethylbenzene Methyl Tert Butyl Ether	ND ND ND	5.0 5.0 5.0	0.50 0.50 1.0	ug/kg ug/kg ug/kg	
91-20-3 108-88-3 1330-20-7	Naphthalene Toluene Xylene (total)	ND ND ND	5.0 5.0 10	1.0 0.50 1.0	ug/kg ug/kg ug/kg	
CAS No.	Surrogate Recoveries		Limi	ts		
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	102% 98% 91%	70-13 70-13 70-13	30%		



Blank Spike/Blank Spike Duplicate Summary

Job Number: C43826

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1751-BS	M58321.D	1	01/26/16	XB	n/a	n/a	VM1751
VM1751-BSD	M58322.D	1	01/26/16	XB	n/a	n/a	VM1751

The QC reported here applies to the following samples:

Method: SW846 \$260B

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	33.9	85	36.6	92	8	70-130/30
100-41-4	Ethylbenzene	40	33.8	85	36.8	92	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	40	31.5	79	34.3	86	9	70-130/30
91-20-3	Naphthalene	40	37.9	95	41.4	104	9	70-130/30
108-88-3	Toluene	40	35.0	88	37.9	95	8	70-130/30
1330-20-7	Xylene (total)	120	103	86	113	94	9	70-130/30
CAS No.	Surrogate Recoveries	BSP	BSI	D	Limits			
1868-53-7	Dibromofluoromethane	96%	97%	6	70-1309	6		
2037-26-5	Toluene-D8	97%	101	%	70-1309	6		
460-00-4	4-Bromofluorobenzene	92%	92%	6	70-130%	6		



^{* =} Outside of Control Limits.

Page 1 of 1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C43826

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample C43813-1MS C43813-1MSD C43813-1	File ID M58338.D M58339.D M58325.D	DF 1 1	Analyzed 01/26/16 01/26/16 01/26/16	By XB XB XB	Prep Date n/a n/a n/a	Prep Batch n/a n/a n/a	Analytical Batch VM1751 VM1751 VM1751
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The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	C43813-î ug/kg Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 1330-20-7	Benzene Ethylbenzene Methyl Tert Butyl Ether Naphthalene Toluene Xylene (total)	ND ND ND ND ND	1720 1720 1720 1720 1720 1720 5170	1600 1600 1460 1350 1640 4710	93 93 85 78 95 91	1720 1720 1720 1720 1720 1720 5170	1590 1600 1480 1720 1640 4810	92 93 86 100 95 93	1 0 1 24 0 2	70-130/30 70-130/30 70-130/30 70-130/30 70-130/30 70-130/30
CAS No.	Surrogate Recoveries	MS	MSD	C4	3813-1	Limits				
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	94% 100% 9 2 %	94% 98% 94%	91° 100 88°	0%	70-1309 70-1309 70-1309	%			

^{* =} Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

G

Page 1 of 1

Job Number: C43826

Method Blank Summary

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample OP13797-MB	File ID GG64111.D	DF 1	Analyzed 01/27/16	By FL	Prep Date 01/26/16	Prep Batch OP13797	Analytical Batch GGG1906

The QC reported here applies to the following samples:

Method: SW846 8015B M

C43826-1, C43826-2, C43826-3

Units Q Result RL MDL Compound CAS No. mg/kg 0.83TPH (C10-C28) ND 3.3

Limits CAS No. Surrogate Recoveries 38-146% 123% 630-01-3 Hexacosane



6.2.1

Blank Spike/Blank Spike Duplicate Summary

Job Number: C43826

Account: GGTRCASF Golden Gate Tank Removal

Project: 378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
OP13797-BS	GG64112.D	1	01/27/16	FĽ	01/26/16	OP13797	GGG1906
OP13797-BSD	GG64113.D	1	01/27/16	FL	01/26/16	OP13797	GGG1906

The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	33.4	100	34,7	104	4	53-107/12
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits			
630-01-3	Hexacosane	102%	10	8%	38-146%	ó		



^{* =} Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C43826

Account:

GGTRCASF Golden Gate Tank Removal

Project: 378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13797-MS	GG64126.D	20	01/27/16	FL	01/26/16	OP13797	GGG1906
OP13797-MSD	GG64122.D	20	01/27/16	FL	01/26/16	OP13797	GGG1906
C43826-1	GG64124.D	20	01/27/16	FL	01/26/16	OP13797	GGG1906

The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	C43826-1 mg/kg Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	646	33.3	710	192* ⁸	33.3	509	-412 ^{⊕ 8}	33* a	53-107/12
CAS No.	Surrogate Recoveries	MS	MSD	C43	826-1	Limits				
630-01-3	Hexacosane	122%	132%	128	%	38-146%	ó			

⁽a) Outside control limits due to high level in sample relative to spike amount.

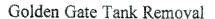


Northern California

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e-Hardcopy 2.0 Automated Report





378 Grand Avenue - Oakland, CA

9550

SGS Accutest Job Number: C44010

Sampling Date: 01/26/16



Golden Gate Tank Removal, Inc. 1455 Yosemite Ave. San Francisco, CA 94124 gina.wee@ggtr.com; tim@ggtr.com; b. wheeler@ggtr.com; amm@ggtr.com

ATTN: Tim Hallen

Total number of pages in report: 17

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable

James J. Rhudy Lab Director

grown of Rhuby

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) GR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Section 4: Misc. Forms	8
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Section 6: GC Semi-volatiles - QC Data Summaries	
6.1: Method Blank Summary	
6.2: Blank Spike/Blank Spike Duplicate Summary	
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Sample Summary

Golden Gate Tank Removal

Job No: C44010

378 Grand Avenue - Oakland, CA Project No: 9550

Sample	Collected	l	7,	Matrix	Client	
Number	Date	Time By	Received	Code Type	Sample ID	
C44010-1	01/26/16	00:00 BW	02/09/16	SO Soil	9550-SP2	

Summary of Hits Job Number: C44010

Account:

Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Collected:

01/26/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C44010-1	9550-SP2					
TPH (C10-C28)		185	33	8.3	mg/kg	SW846 8015B M

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Northern California



Section 3



Sample Results	
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Report of Analysis	a a

Client Sample ID: 9550-SP2

Lab Sample ID: Matrix:

C44010-1 SO - Soil

Method: Project:

SW846 8260B 378 Grand Avenue - Oakland, CA Date Sampled: 01/26/16

Date Received: 02/09/16

Percent Solids: n/a a

Analytical Batch

Run #1

File ID L47382.D DF 1

Analyzed By 02/09/16 JT

Prep Date n/a

Prep Batch n/a

VL1420

Run #2

Initial Weight

Run #1 5.06 g

Run #2

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.9	0.99	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	109%		70-1	130%	
2037-26-5	Toluene-D8	104%		70-1	130%	
460-00-4	4-Bromofluorobenzene	105%		70- 1	130%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ \ Indicates \ analyte \ found in associated method blank$



YN

Client Sample ID: 9550-SP2 Lab Sample ID: C44010-1

Matrix:

SO - Soil

SW846 8015B M SW846 3550B 378 Grand Avenue - Oakland, CA Date Sampled: 01/26/16

Date Received: 02/09/16

Percent Solids: n/a a

Run #1

Method:

Project:

File ID HH329546.D DF 10

Analyzed 02/10/16

Prep Date 02/09/16

Prep Batch OP13854

Analytical Batch

GHH1734

Run #2

Initial Weight 30.2 g

Final Volume

Run #1

1.0 ml

Run #2

TPH Extractable

CAS No. Compound Result RL MDL Units Q TPH (C10-C28) 185 33 8.3 mg/kg CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits 630-01-3 Hexacosane 90% 38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound



ACCUTEST Northern California

Section 4



Misc.	Forms
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Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody

	ACCUTEST.		2105 Lundy Ave, San Jose, CA 95131						1		ACD-CV zon And a											
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C44010: Chain of Custody

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Acoutest Laboratories V-406 588 0200

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C44010 Client: GOLDEN GATE	TANK REMOVAL	Project: 1480 CARROLL AVENUE	
Date / Time Received: 2/9/2016 12:05:00 PM Delivery Method	: Client	Airbiii #s:	
Cooler Temps (Initial/Adjusted): #1: (4.5/3.6):			
Cooler Security 1. Custody Seals Present: 2. Custody Seals Intect: Cooler Temperature 1. Temp criteria achieved: 2. Therm ID: 3. Cooler media: 1. Ice (Bag) 4. No Coolers: 1. Custody Seals Intect: 1. Cooler Temperature 1. Temp criteria achieved: 2. Therm ID: 1. Ica (Bag) 4. No Coolers: 1. Cooler Media: 1. Cooler Media:	1 Sample labels p 2. Container labeli	ing complete: er label / COC agree: y - Condition within HT: ccounted for:	
Quality Control Preservation Y or N N/A 1 Trip Blank present / cooler:	Sample Integrit 1 Analysis reque 2 Bottles receive	y - Instructions y - Instructions sted is clear: d for unspecified tests me recyd for analysis: structions clear:	or N N/A □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
Comments			

2105 Lundy Avenue F: 408 588 0201

C44010: Chain of Custody

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San Jose, CA 95131



Northern California

Section 5

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44010

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample VL1420-MB	File ID L47377.D	DF	Analyzed 02/09/16	By JT	Prep Date	Prep Batch	Analytical Batch VL1420

The QC reported here applies to the following samples:

Method: SW846 8260B

C44010-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
CAS No.	Surrogate Recoveries		Limi	ts		
CAD III.	Serrogate receivering					
1868-53-7	Dibromofluoromethane	108%	70-13	30%		
2037-26-5	Toluene-D8	101%	70-13	30%		
460-00-4	4-Bromofluorobenzene	102%	70-13	30%		

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44010

Account:

GGTRCASF Golden Gate Tank Removal

Project:

· 378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prop Batch	Analytical Batch
VL1420-BS	L47374.D	1	02/09/16	JT	n/a	n/a	VL1420
VL1420-BSD	L47375.D	1	02/09/16	JT	n/a	n/a	VL1420

The QC reported here applies to the following samples:

Method: SW846 8260B

C44010-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	37.0	93	37.4	94	1	70-130/30
100-41-4	Ethylbenzene	40	37.2	93	36.8	92	1	70-130/30
108-88-3	Toluene	40	36.6	92	36.4	91	1	70-130/30
1330-20-7	Xylene (total)	120	109	91	108	90	1	70-130/30
CAS No.	Surrogate Recoveries	BSP	BSI	D	Limits			
1868-53-7	Dibromofluoromethane	109%	109	%	70-1309	/ 0		
2037-26-5	Toluene-D8	102%	101		70-1309	-		
460-00-4	4-Bromofluorobenzene	104%	102	%	70-1309	•		

^{* =} Outside of Control Limits.



ACCUTEST

Northern California

Section 6

GC Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44010

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample OP13854-MB

File ID HH329507.D 1

DF

Analyzed 02/09/16

Бy YN

Prep Date 02/09/16

Prep Batch OP13854

Analytical Batch

Page 1 of 1

GHH1733

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44010-1

CAS No. Compound Result

RI.

MDL

Units Q

TPH (C10-C28)

ND

3.3

0.83

mg/kg

CAS No.

Surrogate Recoveries

Limits

630-01-3

Hexacosane

87%

38-146%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44010

Account:

GGTRCASF Golden Gate Tank Removal

378 Grand Avenue - Oakland, CA Project:

Sample OP13854-BS OP13854-BSD	File ID HH329508.D HH329509.D	DF 1	Analyzed 02/09/16 02/09/16	By YN YN	Prep Date 02/09/16 02/09/16	Prep Batch OP13854 OP13854	Analytical Batch GHH1733 GHH1733
-------------------------------------	-------------------------------------	----------------	----------------------------------	----------------	-----------------------------------	----------------------------------	--

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44010-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	27.4	82	25.4	76	8	.53-107/12
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits			
630-01-3	Hexacosane	95%	89%	6	38-1469	%		

^{* =} Outside of Control Limits.

6,3,

Page 1 of 1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number:

C44010

Account:

GGTRCASF Golden Gate Tank Removal

Project:

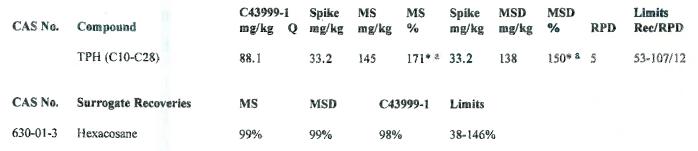
378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13854-MS	HH329518,D	10	02/09/16	YN	02/09/16	OP13854	GHH1733
OP13854-MSD	HH329519.D	10	02/09/16	YN	02/09/16	OP13854	GHH1733
C43999-1	HH329517.D	10	02/09/16	YN	02/09/16	OP13854	GHH1733

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44010-1



(a) Outside control limits due to high level in sample relative to spike amount.

^{* =} Outside of Control Limits.



02/08/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for



378 Grand Avenue - Oakland, CA

9550

Accutest Job Number: C43975

Sampling Date: 02/04/16

Report to:

Golden Gate Tank Removal, Inc. 1455 Yosemite Ave. San Francisco, CA 94124 gina.wee@ggtr.com; tim@ggtr.com; b.wheeler@ggtr.com; amm@ggtr.com ATTN: Tim Hallen

Total number of pages in report: 25



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable

James J. Rhudy Lab Director

gumning. Mushy

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories Test results relate only to samples analyzed

Northern California · 2105 Lundy Ave · San Jose, CA 95131 · tei: 408-588-0200 · fax: 408-588-0201 · http://www.accutest.com

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Sample Summary

Golden Gate Tank Removal

Job No:

C43975

378 Grand Avenue - Oakland, CA Project No: 9550

Sample Number	Collected Date	Time By	Received	Matr Code		Client Sample ID
C43975-1	02/04/16	11:50 BW	02/05/16	so	Soil	9550-W-13'
C43975-2	02/04/16	12:00 BW	02/05/16	SO	Soil	9550-W-14.5'
C43975-3	02/04/16	12:15 BW	02/05/16	so	Soil	9550-E-13'
C43975-4	02/04/16	12:20 BW	02/05/16	so	Soil	9550-E-14.5'

Summary of Hits Job Number: C43975

Account:

Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Collected:

02/04/16

	The state of the s			·	A STATE OF THE STA	
Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C43975-1	9550-W-13'					
TPH (C10-C28)		0.893 J	3.3	0.83	mg/kg	SW846 8015B M
C43975-2	9550-W-14.5'					
TPH (C10-C28)		2.50 J	3.3	0.83	mg/kg	SW846 8015B M
C43975-3	9550-E-13'					
Naphthalene TPH (C10-C28)		1.0 J 19.3	5.0 3.3	1.0 0.83	ug/kg mg/kg	SW846 8260B SW846 8015B M
C43975-4	9550-E-14.5'					
TPH (C10-C28)		24.9	3.3	0.83	mg/kg	SW846 8015B M
,		>	5.5	0.00		•







Sample Results	THE STATE OF THE S	
Report of Analysis		

Client Sample ID: 9550-W-13' Lab Sample ID:

Matrix:

C43975-1 SO - Soil

Method: Project:

SW846 8260B

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16

Date Received: 02/05/16

VM1756

Percent Solids: n/a a

File ID DF Analyzed Prep Date **Analytical Batch** By Prep Batch Run #1 M58521.D 1 02/05/16 XB n/a n/a Run #2

Initial Weight Run #1 5.14 g

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.7	0.97	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.97	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.97	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	117%		70-1	30%	
2037-26-5	Toluene-D8	104%			30%	
460-00-4	4-Bromofluorobenzene	98%			30%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Client Sample ID: 9550-W-13' Lab Sample ID: C43975-1

Lab Sample ID: C4397 Matrix: SO - S

Method: Project: SO - Soil SW846 8015B M SW846 3550B

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16 **Date Received:** 02/05/16

Percent Solids: n/a a

Analytical Batch Prep Batch **Prep Date** By Analyzed File ID DF GHH1731 OP13842 02/05/16 02/05/16 YN 1 HH329479.D Run #1 Run #2

Run #1 30.0 g Final Volume
Run #2

TPH Extractable

Units Q MDL RL Result CAS No. Compound 0.83 mg/kg 0.893 3.3 TPH (C10-C28) Run# 2 Limits Run#1 Surrogate Recoveries CAS No. 38-146% 89% 630-01-3 Hexacosane

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



3.2

Client Sample ID: 9550-W-14.5

Lah Sample ID: Matrix: C43975-2 SO - Soil

SW846 8260B 378 Grand Avenue - Oakland, CA Date Sampled: 02 Date Received: 02

d: 02/04/16 d: 02/05/16

Percent Solids: n/a a

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch
Run #1 M58522.D 1 02/05/16 XB n/a n/a VM1756

Run #2

Method:

Project:

Initial Weight

Run #1 5.06 g

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.9	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.99	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.99	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	119%		70-1	30%	
2037-26-5	Toluene-D8	104%		70-1	30%	
460-00-4	4-Bromofluorobenzene	100%		70-1	30%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 1 of 1

Client Sample ID: 9550-W-14.5'

Lab Sample ID:

C43975-2

Matrix:

SO - Soil

Method: Project:

SW846 8015B M SW846 3550B

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16

Date Received: 02/05/16

Percent Solids: n/a a

		File	ID
Run	#1	HH3	3294

HH329480.D

Analyzed 02/05/16

By YN **Prep Date** 02/05/16

Prep Batch OP13842

Analytical Batch GHH1731

Run #2

Initial Weight

30.1 g

Final Volume 1.0 ml

DF

1

Run #1 Run #2

TPH Extractable

CAS No. Compound Result

RL

MDL Units Q

J

TPH (C10-C28)

2.50

3.3

0.83 mg/kg

CAS No.

Surrogate Recoveries

Run# 1

Run# 2

Limits

630-01-3

Hexacosane

88%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: 9550-E-13'

Lab Sample ID: Matrix:

C43975-3

Method: Project:

SO - Soil

SW846 8260B

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16

Date Received: 02/05/16

Percent Solids: n/a a

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1	M58523.D	1	02/05/16	XB	n/a	n/a	VM1756
Dun #2							

Initial Weight Run #1 5.00 g Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	1.0	5.0	1.0	ug/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	109%		70-1	30%	
2037-26-5	Toluene-D8	103%		70-1	30%	
460-00-4	4-Bromofluorobenzene	104%		70-1	30%	

⁽a) All results reported on a wet weight basis.

MDL = Method Detection Limit

J = Indicates an estimated value B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

Report of Analysis

Page 1 of 1

Client Sample ID: 9550-E-13'

Lab Sample ID:

C43975-3

Matrix:

SO - Soil

Method:

SW846 8015B M SW846 3550B

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16

Date Received: 02/05/16

Percent Solids: n/a a

Project:

Prep Batch

Analytical Batch

Run #1 Run #2

File ID HH329481.D

DF 1

By Analyzed 02/05/16 YN

Prep Date 02/05/16

OP13842

GHH1731

Initial Weight

Final Volume

30.1 g

1.0 ml

Run #1 Run #2

TPH Extractable

CAS No.

Compound

Result

RL

MDL

0.83

Units

Q

TPH (C10-C28)

19.3

3.3

mg/kg

CAS No.

Surrogate Recoveries

Run# 1

Run# 2

Limits

630-01-3

Hexacosane

93%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$





By

XB

n/a

Client Sample ID: 9550-E-14.5'

Lab Sample ID:

C43975-4

Matrix: Method:

SO - Soil

SW846 8260B

DF

1

Date Sampled: 02/04/16

Date Received:

02/05/16

Percent Solids: n/a a

Analyzed

02/05/16

Project: 378 Grand Avenue - Oakland, CA

Prep Date

Prep Batch Analytical Batch

n/a VM1756

Run #1 Run #2

Initial Weight

File ID

5.09 g

M58524.D

Run #1

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.8	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.98	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.98	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	108%		70-1	30%	
2037-26-5	Toluene-D8	99%		70-1	30%	
460-00-4	4-Bromofluorobenzene	103%		70-1	30%	

(a) All results reported on a wet weight basis.



MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: 9550-E-14.5' Lab Sample ID: C43975-4

Matrix:

SO - Soil

Method:

SW846 8015B M SW846 3550B

Project:

378 Grand Avenue - Oakland, CA

Date Sampled: 02/04/16

Date Received: 02/05/16

Percent Solids: n/a a

Analytical Batch Prep Date Prep Batch Ву DF Analyzed File ID GHH1731 02/05/16 OP13842 YN 02/05/16 HH329482.D Run #1

Run #2

Initial Weight Final Volume

Run #1

30.1 g

1.0 ml

Run #2

TPH Extractable

Q Units Result RL **MDL** CAS No. Compound

> 0.83 mg/kg 24.9 3.3 TPH (C10-C28)

Run# 2 Limits Run# 1 CAS No. Surrogate Recoveries

38-146% 97% 630-01-3 Hexacosane

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Misc.	Forms		

Custody Documents and Other Forms

Includes the following where applicable:

· Chain of Custody



CHAIN OF CUSTODY 2105 Lundy Ave., San Jone, CA 95131 (408) 588 0200 FAX: (408) 588-0201		निर्देश वास रिकार्डचेनातु ह निर्देश सम्बद्धियो स्थितिक क	Battle Other Carlos I P Acculast NC Jab 9: C	C43975
LABORATOR Client / Reporting Information	Frojed Information	-50	Requested Analysis	Matrix Codes
Company Name	Project Nature	2 3		6W-Ground Wales 8W-Soutern Wales
	BIRET 378 GRAND AUE.	3 8		RG- 8a1
SIN FROM STO CA 99124	CHY SAKLAND CA	7 20		120-17199 G1-01

Project Contest IIm HALLEN Project 9550 EMAIL: 415-512-1555 ESTY- Chief mg (Vant.) Company's Name B. WISTER DR Number of preserved Bottles Collection Accutest LAB USE ONLY Semple 8 01 Sampled by Maline Sample ID / Field Point / Point of Collection 2/4/16 11:50 X 9550-W-13 × 7550 - W - M.S 1200 3000 50 × 1215 × 1550-E-13 BALL 30 -1 X 1550- 11.5 1220 BAW 50 Approved By:/ Date: BTO BENSO TO 3/5 Gommercial "8" - Results with QC summaries 7 10 Day Communical " B+" - Results, QC, and chromologisms 5 Buy FULT1 - Level 4 date packago 2 Day EDF for Gookracker EDD Formal a Gay Provide EDF Global ID 1 (21) of he law childfile and play change greatersies, including thereby steelings seemed by the steelings steelings and the steelings of the steeli Provide EDF Logicotie Same Osy Emergency T/A data available ViA Lablink Secretal Costatly must be documented to the Jose 1-16-Zeigham; 2/3/16 28/69 NONE abote match Coo? Y / N

C43975: Chain of Custody

Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C4	3975 Client: GGTR	Project: 378 GRAND AV	/E
Date / Time Received: 2/5	5/2016 11:15:00 AM Delivery Method:	Accutest Courier Airbill #s:	
Cooler Temps (Initial/Adjus	ted): #1: (2.8/1.9):		
Cooler Security 1 Custody Seals Present: 2 Custody Seals Intact: Cooler Temperature 1 Temp criteria achieved: 2 Therm ID: 3 Cooler media: 4 No Coolers:		Sample Integrity - Documentation 1. Sample labels present on bottles: 2. Container labeling complete: 3. Sample container label / COC agree: Sample Integrity - Condition 1. Sample recvd within HT: 2. All containers accounted for: 3. Condition of sample:	Y OF N Z Y OF N Y OF N Integr
Quality Control Preservation 1 Trip Blank present / cooler: 2 Trip Blank listed on COC: 3 Samples preserved properly: 4 VOCs headspace free:		Sample Integrify - Instructions 1. Analysis requested is clear: 2. Bottles received for unspecified tests 3. Sufficient volume recyd for analysis: 4. Compositing instructions clear: 5. Filtering instructions clear:	Y ON N N/A
Convinents			
Accutest Laboratories V:408 588 0200		5 Lundy Avanue 408 588 0201	Sen Jose, CA 95131 www.faccutest.com

C43975: Chain of Custody

Page 2 of 2





GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1756-MB	M58516.D	1	02/05/16	XB	n/a	n/a	VM1756

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Result	RL	MDL	Units Q
71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 1330-20-7	Benzene Ethylbenzene Methyl Tert Butyl Ether Naphthalene Toluene Xylene (total)	ND ND ND ND ND	5.0 5.0 5.0 5.0 5.0	0.50 0.50 1.0 1.0 0.50 1.0	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg
CAS No.	Surrogate Recoveries		Limit	ts	
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	109% 102% 95%	70-13 70-13 70-13	0%	

Page 1 of 1

Blank Spike/Blank Spike Duplicate Summary

Job Number: C43975

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

ile ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
[58513.D	1	02/05/16	XB	n/a	n/a	VM1756
15 85 14.D	1	02/05/16	XB	n/a	n/a	VM1756
	58513.D	58513.D 1	58513.D 1 02/05/16	58513.D 1 02/05/16 XB	58513.D 1 02/05/16 XB n/a	58513.D 1 02/05/16 XB n/a n/a

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	38.3	96	38.8	97	1	70-130/30
100-41-4	Ethylbenzene	40	38.6	97	40.1	100	4	70-130/30
1634-04-4	Methyl Tert Butyl Ether	40	37.6	94	38.3	96	2	70-130/30
91-20-3	Naphthalene	40	43.5	109	44.0	110	1	70-130/30
108-88-3	Toluene	40	38.2	96	40.0	100	5	70-130/30
1330-20-7	Xylene (total)	120	111	93	116	97	4	70-130/30
CAS No.	Surrogate Recoveries	BSP	BSI	D	Limits			
1868-53-7	Dibromofluoromethane	104%	105	%	70-1309	6		
2037-26-5	Toluene-D8	101%	102	%	70-1309	6		
460-00-4	4-Bromofluorobenzene	99%	100	%	70-1309	6		



^{* =} Outside of Control Limits.

Page 1 of 1

Laboratory Control Sample SummaryJob Number: C43975

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample VM1756-LCS	File ID M58515.D	DF 1	Analyzed 02/05/16	By XB	Prep Date n/a	Prep Batch n/a	Analytical Batch VM1756

The QC reported here applies to the following samples:

Method: SW846 8260B

		Spike	LCS	LCS	
CAS No.	Compound	ng/kg	ug/kg	%	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	106%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

^{* =} Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C43975

Account: GGTRCASF Golden Gate Tank Removal

Project: 378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
C43964-2MS	M58525.D	1	02/05/16	XB	n/a	n/a	VM1756
C43964-2MSD	M58526.D	1	02/05/16	XB	n/a	n/a	VM1756
C43964-2	M58518.D	1	02/05/16	XB	n/a	n/a	VM1756

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	C43964-2 ug/kg Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 1330-20-7	Benzene Ethylbenzene Methyl Tert Butyl Ether Naphthalene Toluene Xylene (total)	ND ND ND 6.5 ND	39.5 39.5 39.5 39.5 39.5 119	37.6 38.4 37.3 50.3 38.0	95 97 94 111 96 92	39.4 39.4 39.4 39.4 118	33.3 31.6 34.1 47.6 32.3 94.5	84 80 86 104 82 78	12 19 9 6 16	70-130/30 70-130/30 70-130/30 70-130/30 70-130/30 70-130/30
CAS No.	Surrogate Recoveries	MS	MSD	C43	3964-2	Limits				
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	17%* ² 100% 98%	23%* ^a 99% 97%	21% 104 102		70-1309 70-1309 70-1309	%			

⁽a) Outside control limits due to matrix interference (pH= 12); confirmed by MS/MSD.



^{* =} Outside of Control Limits.



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



Method Blank Summary

Job Number: C43975

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample OP13842-MB

File ID HH329476.D 1

DF

Analyzed 02/05/16

By YN **Prep Date** 02/05/16

Prep Batch OP13842

Analytical Batch GHH1731

The QC reported here applies to the following samples:

Method: SW846 8015B M

C43975-1, C43975-2, C43975-3, C43975-4

CAS No. Compound Result

RL

MDL

Units Q

TPH (C10-C28)

ND

3.3

0.83

mg/kg

CAS No.

Surrogate Recoveries

Limits

630-01-3

Hexacosane

87%

38-146%



Blank Spike/Blank Spike Duplicate Summary

Job Number: C43975

GGTRCASF Golden Gate Tank Removal Account:

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date .	Prep Batch	Analytical Batch
OP13842-BS	HH329477.D	1	02/05/16	YN	02/05/16	OP13842	GHH1731
OP13842-BSD	HH329478.D	1	02/05/16	YN	02/05/16	OP13842	GHH1731

The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	28.0	84	27.4	82	2	53-107/12
CAS No.	Surrogate Recoveries	BSP	88	D	Limits			
630-01-3	Hexacosane	87%	88	%	38-146%	'o		



^{* =} Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C43975

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample OP13842-MS OP13842-MSD C43975-1	File ID HH329483.D HH329484.D HH329479.D	DF 1 1 1	Analyzed 02/05/16 02/05/16 02/05/16	By YN YN YN	Prep Date 02/05/16 02/05/16 02/05/16	Prep Batch OP13842 OP13842 OP13842	Analytical Batcl GHH1731 GHH1731 GHH1731
--	---	-----------------	-------------------------------------	----------------------	--------------------------------------	---	---

The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	C43975-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.893 .	J	33.3	32.6	95	33.3	33.6	98	3	53-107 /12
CAS No.	Surrogate Recoveries	MS		MSD	C43	3975-1	Limits				
630-01-3	Hexacosane	94%		94%	89%	6	38-146%	6			

^{* =} Outside of Control Limits.



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Northern California

03/03/16

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e-Hardcopy 2.0
Automated Report

Technical Report for



378 Grand Avenue - Oakland, CA

9550

SGS Accutest Job Number: C44330

Sampling Date: 03/01/16



Golden Gate Tank Removal, Inc.

1455 Yosemite Ave.

San Francisco, CA 94124

gina.wee@ggtr.com; tim@ggtr.com; b.wheeler@ggtr.com; amm@ggtr.com

ATTN: Tim Hallen

Total number of pages in report: 29



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable

James J. Rhudy Lab Director

grung. Kludy

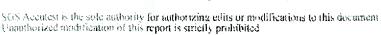
Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Northern California • 2105 Lundy Ave • San Jose, CA 95131 • tel: 408-588-0200 • fax: 408-588-0201 • http://www.accutest.com

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Sample Summary

Golden Gate Tank Removal

Job No:

C44330

378 Grand Avenue - Oakland, CA Project No: 9550

Sample Number	Collected Date	Time By	Received	Matr Code	_	Client Sample ID	
C44330-1	03/01/16	09:50 BW	03/01/16	so	Soil	9550-SW-S-8.5	
C44330-2	03/01/16	10:45 BW	03/01/16	so	Soil	9550-SW-N-8.5	
C44330-3	03/01/16	10:50 BW	03/01/16	so	Soil	9550-SW-E-8.5	
C44330-4	03/01/16	11:05 BW	03/01/16	so	Soil	9550-SW-W-8.5	
C44330-5	03/01/16	12:35 BW	03/01/16	SO	Soil	9550-EX-E-13.5	
C44330-6	03/01/16	13:35 BW	03/01/16	SO	Soil	9550-EX-W-13.5	

Summary of Hits Job Number: C44330

Golden Gate Tank Removal

Account: Project:

378 Grand Avenue - Oakland, CA

Collected:

03/01/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C44330-1	9550-SW-S-8.5		· 47			
TPH (C10-C28)		772	66	17	mg/kg	SW846 8015B M
C44330-2	9550-SW-N-8.5					
TPH (C10-C28)		146	33	8.3	mg/kg	SW846 8015B M
C44330-3	9550-SW-E-8.5					
TPH (C10-C28)		6.69	3.3	0.82	mg/kg	SW846 8015B M
C44330-4	9550-SW-W-8.5					
TPH (C10-C28)		1.63 J	3.3	0.83	mg/kg	SW846 8015B M
C44330-5	9550-EX-E-13.5					
TPH (C10-C28)		17.7	3.3	0.83	mg/kg	SW846 8015B M
C44330-6	9550-EX-W-13.5					
TPH (C10-C28)		352	33	8.3	mg/kg	SW846 8015B M



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Section 3



Sample Results	
Report of Analysis	

Report of Analysis

Page 1 of 1

Client Sample ID: 9550-SW-S-8.5

Lab Sample ID: Matrix:

C44330-1 SO - Soil

Method:

SW846 8260B

DF

Date Sampled: 03/01/16 Date Received:

Percent Solids: n/a a

03/01/16

Project:

378 Grand Avenue - Oakland, CA

Prep Date n/a

Prep Batch

Analytical Batch

Run #1 Run #2

M58997.D

File ID

Analyzed 03/02/16

By JT

n/a

VM1773

Initial Weight

Run #1 5.03 g

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	9.9	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	0.99	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.99	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	103%		70-1	30%	
2037-26-5	Toluene-D8	98%		70-1	30%	
460-00-4	4-Bromofluorobenzene	134% b		70-1	30%	

(a) All results reported on a wet weight basis.

(b) Outside control limits (high bias); no target analytes were detected in the sample.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



By

Client Sample ID: 9550-SW-S-8.5

Lab Sample ID:

C44330-1

Matrix:

SO - Soil SW846 8015B M SW846 3550B

Method: Project:

378 Grand Avenue - Oakland, CA

Date Sampled: Date Received:

03/01/16 03/01/16

Percent Solids: n/a a

Run #1

File ID HH330239.D

DF 20

Analyzed 03/03/16

Prep Date YN 03/01/16

Prep Batch OP13965

Analytical Batch GHH1753

Run #2

Initial Weight Final Volume

Run #1 30.3 g 1.0 m!

Run #2

TPH Extractable

CAS No. Compound Result

RL

MDL

Units

Q

TPH (C10-C28)

772

66

mg/kg

CAS No.

Surrogate Recoveries

Run#1

Limits Run# 2

17

630-01-3

Hexacosane

45%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected RL = Reporting Limit

E = Indicates value exceeds calibration range

MDL = Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Report of Analysis

By

JT

n/a

Page 1 of 1

Client Sample ID: 9550-SW-N-8.5

Lab Sample ID:

C44330-2

Matrix:

SO - Soil

Method:

SW846 8260B

DF

1

Date Sampled: 03/01/16 Date Received: 03/01/16

VM1773

n/a

Percent Solids: n/a a

Project:

378 Grand Avenue - Oakland, CA

Analyzed

03/02/16

Analytical Batch Prep Batch Prep Date

Run #1 Run #2

Initial Weight

File ID

5.02 g

M58996.D

Run #1

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	99%		70-1	30%	
2037-26-5	Toluene-D8	94%		70-1	30%	
460-00-4	4-Bromofluorobenzene	98%		70-1	30%	

⁽a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

By

YN

Client Sample ID: 9550-SW-N-8.5

File ID

HH330242.D

Lab Sample ID:

C44330-2

Matrix:

SO - Soil

Method: Project:

SW846 8015B M SW846 3550B

Date Sampled: 03/01/16

Date Received: 03/01/16

Percent Solids: n/a a

378 Grand Avenue - Oakland, CA

Prep Date 03/01/16

Prep Batch OP13965

Analytical Batch GHH1753

Run #1 Run #2

> **Final Volume** Initial Weight

Run #1 30.1 g 1.0 ml

DF

10

Run #2

TPH Extractable

CAS No. Compound Result

RL

MDL

Units 0

TPH (C10-C28)

146

Analyzed

03/03/16

33

8.3 mg/kg

CAS No. Surrogate Recoveries Run# 1

Run#2

Limits

630-01-3 Hexacosane

36% b

38-146%

- (a) All results reported on a wet weight basis.
- (b) Outside control limits due to dilution.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

9 of 29

Prep Date

n/a

Client Sample ID: 9550-SW-E-8.5 Lab Sample ID:

C44330-3

Matrix:

SO - Soil

Method: Project:

SW846 8260B

378 Grand Avenue - Oakland, CA

DF

1

Date Sampled: 03/01/16

Date Received: 03/01/16

Percent Solids: n/a a

n/a

Prep Batch

Analytical Batch

VM1773

Run #1 Run #2 M58994.D

Run #1 Run #2 **Initial Weight** 5.10 g

File ID

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.8	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.98	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.98	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	98%		70-1	130%	
2037-26-5	Toluene-D8	96%		70-1	30%	
460-00-4	4-Bromofluorobenzene	98%		70-1	130%	

Analyzed

03/02/16

By

JT

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: 9550-SW-E-8.5

Lab Sample ID:

C44330-3

Matrix:

SO - Soil

Method: Project:

SW846 8015B M SW846 3550B

378 Grand Avenue - Oakland, CA

Date Sampled: 03/01/16

Date Received: 03/01/16

Percent Solids: n/a a

File ID Run #1

DF HH330243.D 1

Analyzed 03/03/16

By YN Prep Date 03/01/16

Prep Batch OP13965

Analytical Batch

GHH1753

Run #2

Initial Weight

30.3 g

Final Volume 1.0 ml

Run #1 Run #2

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	6.69	3.3	0.82	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
630-01-3	Hexacosane	42%		38-1	46%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Report of Analysis

Page 1 of 1

Client Sample ID:

9550-SW-W-8.5

Lab Sample ID:

C44330-4

Matrix: Method: SO - Soil

SW846 8260B

1

Date Sampled: Date Received: 03/01/16

03/01/16

Percent Solids: n/a a

Project:

378 Grand Avenue - Oakland, CA

Prep Batch

Run #1

M58995.D

File ID

5.01 g

DF Analyzed 03/02/16

By JT **Prep Date** n/a

n/a

Analytical Batch VM1773

Run #2

Initial Weight

Run #1

Run #2

Purgeable Aromatics, MTBE, Naphthalene

Compound	Result	\mathbf{RL}	MDL	Units	Q
Benzene	ND	5.0	0.50	ug/kg	
Toluene	ND	5.0	0.50	ug/kg	
Ethylbenzene	ND	5.0	0.50	ug/kg	
Xylene (total)	ND	10	1.0	ug/kg	
	ND	5.0	1.0	ug/kg	
Naphthalene	ND	5.0	1.0	ug/kg	
Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
Dibromofluoromethane	98%		70-1	30%	
Toluene-D8	95%		70-1	30%	
4-Bromofluorobenzene	121%		70-1	30%	
	Benzene Toluene Ethylbenzene Xylene (total) Methyl Tert Butyl Ether Naphthalene Surrogate Recoveries Dibromofluoromethane Toluene-D8	Benzene ND Toluene ND Ethylbenzene ND Xylene (total) ND Methyl Tert Butyl Ether ND Naphthalene ND Surrogate Recoveries Run# 1 Dibromofluoromethane 78% Toluene-D8 95%	Benzene ND 5.0 Toluene ND 5.0 Ethylbenzene ND 5.0 Xylene (total) ND 10 Methyl Tert Butyl Ether ND 5.0 Naphthalene ND 5.0 Surrogate Recoveries Run# 1 Run# 2 Dibromofluoromethane 78% Toluene-D8 95%	Benzene	Benzene

⁽a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: 9550-SW-W-8.5

Lab Sample ID:

C44330-4

Matrix:

SO - Soil

DF

1

Method: Project:

SW846 8015B M SW846 3550B 378 Grand Avenue - Oakland, CA Date Sampled: 03/01/16 Date Received: 03/01/16

Percent Solids: n/a a

By

YN

Prep Date 03/01/16

Prep Batch OP13965

Analytical Batch

GHH1753

Run #1 Run #2

Initial Weight

HH330244.D

30.2 g

File ID

1.0 ml

Final Volume

Run #1 Run #2

TPH Extractable

Compound

Result

RL

MDL

Units

J

TPH (C10-C28)

1.63

Analyzed

03/03/16

3.3

0.83

mg/kg

CAS No.

CAS No.

Surrogate Recoveries

Run#1

Run#2

Limits

630-01-3

Hexacosane

83%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

Report of Analysis

By

JT

Analyzed

03/02/16

Page 1 of 1

Client Sample ID: 9550-EX-E-13.5

Lab Sample ID:

C44330-5

Matrix:

SO - Soil

Method:

SW846 8260B

1

Date Sampled: 03/01/16

Date Received: 03/01/16

Percent Solids: n/a2

Project:

378 Grand Avenue - Oakland, CA

Prep Batch n/a

Prep Date

n/a

Analytical Batch VM1773

Run #1 Run #2

Initial Weight

Run #1

5.00 g

File ID

M58993.D

Run #2

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50 1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10 5.0	1.0	ug/kg ug/kg	
1634-04-4 91-20-3	Methyl Tert Butyl Ether Naphthalene	ND ND	5.0	1.0	ug/kg	
71-20-3	Naphulaiche	ND	2.0	1.0	as vs	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
1868-53-7	Dibromofluoromethane	100%		70-1	30%	
2037-26-5	Toluene-D8	96%			30%	
460-00-4	4-Bromofluorobenzene	101%		70-1	30%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Page 1 of 1

Client Sample ID: 9550-EX-E-13.5

Lab Sample ID:

C44330-5

Matrix:

SO - Soil

DF

1

Method:

SW846 8015B M SW846 3550B

Final Volume

378 Grand Avenue - Oakland, CA

Date Sampled: 03/01/16 Date Received: 03/01/16

Percent Solids: n/a a

Project:

File ID

HH330246.D

Analyzed 03/03/16

Prep Date By 03/01/16 YN

Report of Analysis

Prep Batch OP13965

Analytical Batch GHH1753

Run #1 Run #2

Initial Weight

Run #1 30.1 g

1.0 ml

Run #2

TPH Extractable

CAS No. Compound Result

RL

MDL

0.83

Units

17.7

3.3

mg/kg

CAS No.

Surrogate Recoveries

Run#1

Run# 2

Limits

630-01-3

Hexacosane

TPH (C10-C28)

82%

38-146%

(a) All results reported on a wet weight basis.

ND = Not detected

RL = Reporting Limit

MDL = Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: 9550-EX-W-13.5

Lab Sample ID:

C44330-6 SO - Soil

Matrix: Method:

SW846 8260B

Project:

378 Grand Avenue - Oakland, CA

Date Sampled: 03/01/16 Date Received: 03/01/16

Percent Solids: n/a a

	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1	M58992.D	1	03/02/16	JT	n/a	n/a	VM1773
Run #2							

Initial Weight

Run #1 Run #2 5.09 g

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	9.8	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.98	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.98	ug/kg	
CAS No.	Surrogate Recoveries	Run#1	Run# 2	Lim	its	
1868-53-7 2037-26-5	Dibromofluoromethane Toluene-D8	99% 96%			30% 30%	
460-00-4	4-Bromofluorobenzene	99%			30%	

(a) All results reported on a wet weight basis.

ND = Not detected

MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

Client Sample ID: 9550-EX-W-13,5

Lab Sample ID:

C44330-6

Matrix:

SO - Soil

Method:

SW846 8015B M SW846 3550B

Project:

378 Grand Avenue - Oakland, CA

Date Sampled:

03/01/16

Date Received: 03/01/16

Percent Solids:

n/a a

Analytical Batch Prep Batch File ID DF By Prep Date Analyzed GHH1753 Run #1 03/03/16 YN 03/01/16 OP13965 HH330247.D 10

Run #2

Initial Weight

30.2 g

Final Volume

Run #1

1.0 ml

Run #2

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	352	33	8.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its	
630-01-3	Hexacosane	80%		38-1	46%	

(a) All results reported on a wet weight basis.

ND = Not detected

RL = Reporting Limit E = Indicates value exceeds calibration range

MDL = Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Northern California

Section 4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody

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C44330: Chain of Custody Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C4	14330	Client: GOLD	DEN GATE TAN	K REMOVAL	Project: 378 GRAND A	VE #9550	
Date / Time Received: 3/1	1/2016 4:40:00 F	M Deliv	ery Method:	Accutest Courier	Airbiil #s:		
Cooler Temps (Initial/Adjus	ited): #1: (3.4/	3.6):					
1 Custody Seals Present:	_ &	3. COC Present: Smpl Dates/Time	Y or N ☑ □ OK ☑ □	1 Sample labels 2 Container lab 3 Sample conta	niner label / COC agree:	Y or N 2	
2 Therm ID: 3 Cooler media: 4 No Coolers:	IR1 Ice (Bag			1 Sample record 2 All containers 3 Condition of s	accounted for:	☑ □ ☑ Intact	
Quality Control Preservation 1. Trip Blank present / cooler: 2. Trip Blank listed on COC: 3. Samples preserved properly 4. VOCs headspace free:		NVA 22 22		Analysis requ Bottles recel Sufficient vol	ved for unspecified tests lume recyd for analysis: Instructions clear:	Y or N 2	_N/A ☑ ☑
Comments							
Accutest Laboratories			:	2105 Lundy Avanue F- 408 548 0201			n Jose, CA 9513 w/scollest com

C44330: Chain of Custody

Page 2 of 2

ACCUTEST Northern California

Section 5

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed 03/02/16	Ву	Prep Date	Prep Batch	Analytical Batch
VM1773-MB	M58983.D	1		Л	n/a	n/a	VM1773

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
CAS No.	Surrogate Recoveries		Limit	ts		
1868-53-7	Dibromofluoromethane	101%	70-13	0%		
2037-26-5	Toluene-D8	97%	70-13	0%		
460-00-4	4-Bromofluorobenzene	99%	70-13	0%		

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1773-BS	M58979.D	1	03/02/16	JT	n/a	n/a	VM1773
VM1773-BSD	M58982.D	1	03/02/16	JT	n/a	n/a	VM1773

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	35.3	88	35.7	89	1	70-130/30
100-41-4	Ethylbenzene	40	33.5	84	34.3	86	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	40	34.4	86	33.1	83	4	70-130/30
91-20-3	Naphthalene	40	37.0	93	38.8	97	5	70-130/30
108-88-3	Toluene	40	33.7	84	33.4	84	1	70-130/30
1330-20-7	Xylene (total)	120	97.0	81	99.2	83	2	70-130/30
CAS No.	Surrogate Recoveries	BSP	BS	D	Limits			
1868-53-7	Dibromofluoromethane	101%	949	V ₀	70-1309	%		
2037-26-5	Toluene-D8	96%	929	%	70-1309	%		
460-00-4	4-Bromofluorobenzene	95%	959	%	70-1309	%		

^{* =} Outside of Control Limits.

Page 1 of 1

Laboratory Control Sample Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed 03/02/16	Ву	Prep Date	Prep Batch	Analytical Batch
VM1773-LCS	M58981.D	1		ЛТ	n/a	n/a	VM1773

The QC reported here applies to the following samples:

Method: SW846 8260B

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
CAS No.	Surrogate Recoveries	BSP	Lin	nits	
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	102% 101% 98%	70-	130% 130% 130%	

^{* =} Outside of Control Limits.

Method: SW846 8260B

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C44330

Account: GGTRCASF Golden Gate Tank Removal

Project: 378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C44339-1MS	M58998.D	1	03/02/16	IT	n/a	n/a	VM1773
C44339-1MSD	M58999.D	1	03/02/16	JT	n/a	n/a	VM1773
C44339-1	M58984.D	1	03/02/16	II	n/a	n/a	VM1773

The QC reported here applies to the following samples:

CAS No.	Compound	C44339-1 ug/kg Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2 100-41-4 1634-04-4 91-20-3 108-88-3 1330-20-7	Benzene Ethylbenzene Methyl Tert Butyl Ether Naphthalene Toluene Xylene (total)	ND ND ND ND ND	39.4 39.4 39.4 39.4 39.4 118	31.4 29.9 27.0 19.4 30.3 84.9	80 76 68* a 49* a 77 72	39.4 39.4 39.4 39.4 39.4 118	27.9 25.9 24.3 16.3 26.9 73.6	71 66* a 62* a 41* a 68* a 62* a	12 14 11 17 12	70-130/30 70-130/30 70-130/30 70-130/30 70-130/30 70-130/30
CAS No.	Surrogate Recoveries	MS	MSD	C4	4339-1	Limits				
1868-53-7 2037-26-5 460-00-4	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene	96% 96% 97%	95% 95% 95%	101 97 ⁹ 96 ⁹	-	70-130 70-130 70-130	³/a			

⁽a) Outside control limits due to matrix interference.

^{* =} Outside of Control Limits.

SGS ACCUTEST

Northern California

Section 6

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

	Sample OP13965-MB	File ID HH330235.D	DF 1	Analyzed 03/03/16	By YN	Prep Date 03/01/16	Prep Batch OP13965	Analytical Batch GHH1753
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The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	Result	RL	MDL	Units Q
	TPH (C10-C28)	ND	3.3	0.83	mg/kg
CAS No.	Surrogate Recoveries		Limits		
630-01-3	Hexacosane	75%	38-146	%	

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

Project:

378 Grand Avenue - Oakland, CA

Sample File ID DF Analyzed By Prep Date Prep Batch Analytic OP13965-BS HH330236.D 1 03/03/16 YN 03/01/16 OP13965 GHH175 OP13965-BSD HH330237.D 1 03/03/16 YN 03/01/16 OP13965 GHH175	3
--	---

The QC reported here applies to the following samples:

Method: SW846 8015B M

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	26.6	80	26.1	78	2	53-107/12
CAS No.	Surrogate Recoveries	BSP	BSI)	Limits			
630-01-3	Hexacosane	58%	53%	ó	38-146%	6		

Page 1 of 1

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C44330

Account:

GGTRCASF Golden Gate Tank Removal

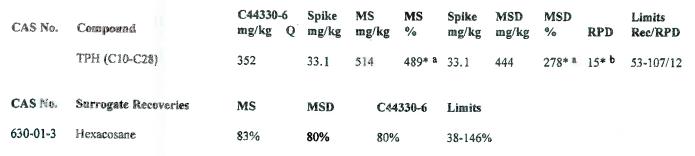
Project:

378 Grand Avenue - Oakland, CA

Sample	File ID	DF	Analyzed	$\mathbf{B}\mathbf{y}$	Prep Date	Prep Batch	Analytical Batch
OP13965-MS	HH330248.D	10	03/03/16	YN	03/01/16	OP13965	GHH1753
OP13965-MSD	HH330249.D	10	03/03/16	YN	03/01/16	OP13965	GHH1753
C44330-6	HH330247.D	10	03/03/16	YN	03/01/16	OP13965	GHH1753

The QC reported here applies to the following samples:

Method: SW846 8015B M



⁽a) Outside control limits due to high level in sample relative to spike amount.



⁽b) Outside laboratory control limits.



CERTIFICATE OF DISPOSAL

DATE:

March 01, 2016

PROJECT NUMBER:

9550

PROJECT ADDRESS:

378 Grand Avenue, Oakland, CA 94610

TANK SIZE:

1500 gallons

ORIGINAL TANK CONTENTS:

Diesel

Golden Gate Tank Removal, Inc. hereby issues CERTIFICATION that:

- This tank was cleaned by triple rinsing and allowable for disposal as scrap metal.
- The Oxygen content of the Tank was 20.9%
- The Lower Explosive Limit was 0%
- The above tank was rendered harmless by cutting and disposed of as scrap metal at Circosta Iron and Metal, Inc.
- The above method of tank destruction is suitable for the materials involved and is accepted by the City of Oakland and County of Alameda as an appropriate disposal method.

Copies of the analytical certificate the chain-of-custody and the scrap metal receipt are attached to this Certification. If there are any questions regarding this tank, please contact this office.

Golden Gate Tank Removal, Inc.

CIRCOSTA IRON AND METAL, INC. 495408 1801 EVANS AVENUE • SAN FRANCISCO, CALIFORNIA 94124 PHONE (415) 282-8568 FAX (415) 641-7804 DATE: CUSTOMER ______ LBS. LE GROSS ADDRESS /1/90 11540 LICENSE NO. _____ 8960 LE TARE DRIVER'S LIC. NO. _____ 4/ 9 C LBS. NET LBS. TIME OUT TIME IN DEDUCTION #1 HMS MAR 0 9 2016 #2 HMS WEIGHER. - WHED STRUCTURAL UNIT PRICE \$ 50 Ø RE-BAR UNPREPARED HMS and SHEET MIX AMOUNT \$ **CLEAN SHEET** EIK 69189 TRAILER NO. W/G COMMENTS: CAST IRON

M-BLOCKS **BODIES**

NON FERROUS

BUY NUMBER

BILL OF SALE: I hereby state that I am the lawful owner of the material described hereon, that I have a right to sell same and that for payment received in full, hereby acknowledged: I sell and convey site of same of the CIRCOSTA IRON & METAL CC.

Ple	ase print or type. (Form designed for use on elite (12-pitch) typewriter.)					Form	Approved	GMB No.	2050-003
1	WASTE MANIFEST C A C 0 0 2 8 4 0 2 6 9	1 8	Emergency Response F 00 424-9300 ()	EMEREC			461	3 J.	JK
	5. Generator's Name and Melling Address 376 GRAND AVE, 11 C 2296 SAN PABLO AVE BERKELEY CA 94702 Generator's Phone: 8 1 0 5 4 0 - 5 9 8 2	3	ecelor's Sile Address (if 78 GRAND AVE 78 GRAND AVE AKLAND CA	E LLC	eng keca	(4)			
	6. Transporter 1 Company Name FREMOUN ENVIRONMENTAL SERVICES INC				S. EPAIDA		0 1 7	101	7
	7. Transporter 2 Company Name			U	S. EPAIDN	lumber		······································	
	8. Designated Facility Name and Site Address 7300 CHEVRON WAY DIXON GA 95020				.S. EPA ID N				
	Facility's Phone: 707 693-6008				CAT	08	0 0 1	260	2
	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Container No,		i. Total uantity	12. Unit Wt./Vol.	13.1	Masta Code	8
GENERATOR -	11 NON-RORA HAZARDOUS WASTE LIQUIDS (OILY W	VATER)		TT	386	5	223		
GENE	2.		·					v.	
	3.								
	4.								
									*:
	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this of marked and labeled/placetred, and are in all respects in proper condition for transport according to the state of the contents of this consignment conform to the terms of the attached I certify that the world market minimization statement identified in 40 CFR 282.27(a) (If I am a target	consignment are fur rding to applicable EPA Acknowledge quantity generator	international and nations nent of Consent. i) or (b) (iii am a small o	thed above by the governmental quartity generate	e proper shi regulations.	pping name,	and are class sment and its	aified, pack am the Prima	iged,
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	17. Transporter Acknowledgment of Receipt of Materials			1					
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	18a. Discrepancy Indication Space Quantity Type		Manifest Reference Nu		Partial Reje	ction	<u></u>	Pije Raje	CHON
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DESIGNATED FA	Facility's Phone: 18c. Signature of Alternate Facility (or Generator)					V. a. lo	Mor	dh Day	jest
2	19. Hazardous Waste Report Management Method Codes (Le., codes for hazardous waste treatm	nent disposal and	recycling systems)						-1
DES	1. 2.	3,			4.				
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered			Ba					
	Printed/Typed Name	Signature					Mor	dh Day	Year
EPA	Form 8700-22 (Rev. 3-05) Previous editions are obsolete.				0	ENER	TOR'S	INITIAL	COPY

NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

if waste is aspestos waste, complete Sections t, ii, till and tV if waste is 801 aspestos waste, complete Sections t, if and ill

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o. Generator's Name and Location: 378 Grand Avenue, LLC 378 Grand Avenue Oakland, CA 94610 f. Phone:510-540-5982	tuan (he conerator	tiravide	e. Generator's Mailing 378 Grand Avenue, L 2295 San Pablo Aven Berkeley, CA 94702 g. Phone:510-540-59	LC LC	And the second of the second o	The section of the se
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GENERATOR'S CERTIFICATION: 15	erahy carifu thai too	Silvenia marriad desc	waal is not a hazardous i	waste as defined by 40 (FR 261 or any a	epplicable
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Gina Wee	į	4		()	2/26/2016	
. Generator Authorized Agest Name:	Port	Signature		r Date		
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e. Nama of Authorized Agent (Print)	1 t. Sign		10 A	g Cate		-Andr
IV. ASBESTOS (General	or completes (V	a-r and Operato	r complete IV9H) a Responsible Agend	The second of the second secon	A.	
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c Operator's Name and Title (Print)	n, Sigr	7.54.45		: Date		
"Operator refers to the company which renovation operation or both	owns, leases open	ates, controls, or su	pervises the facility on r		ed or the demo	tion of

37.47 eri eri USTOMER 19 45 200 5: 6: 1) 13.04 HI IN a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the 1,000 Division of Measurement Standards of the California Department of Food & Agriculture weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is WEIGHMASTER CERTIFICATE. This is to certify that the following described commodity was H- va DANCE TO A HIE CHEMINE The Print All WENGHINA - TER 13.4 STAR ms and to ide o is EXTENSION TIBD CONTAMES DATERIME OUT TAR DATE: TAX NET AMOUNT CHANCE ENOR RE-CHECKS a top programment report agent PERC!



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is aspestos waste, complete Sections I. II, III and IV If waste is $\underline{\text{NOT}}$ aspestos waste, complete Sections I. II and III

 Generator's US EPA ID Number N/A 		b. Manifest Docur	neni Number		c, Page	1 of	
d. Generator's Name and Location; 178 Granc Avenue, LLC 178 Grand Avenue Dakland, CA 94610 Phone 510-540-5982			e Generator's Mailing 378 Grand Avenue, L 2295 San Pablo Aven Berkelsy, CA 94702 g. Phone:510-540-59	LC lue	The second secon		
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a Name of Authorized Agent (France	f. Sign		January Man	g. Daie	· · · · · · · · · · · · · · · · · · ·	Mar	**************************************
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o Phone: e Special Handling Instructions and	Additional Information		d, Phone:	the all the state of the state	M.C. SPR STORMER		
OPERATOR'S CERTIFICATION 1 h and are classified packed, marked a	man has after her and the said the	riable contents of this co- all respects in prop	% Non-Frable resignment are fully and a er condition for transport	occurately desc by highway ac	ribed abo	ve by proper shi applicable inte	pping nar
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JSTONER a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section Division of Measurement Standards of the Cantorna Department of Ecod& Agriculture. 12700) of Division 5 of the California Business and Professions Code, administered by the weighed measured or crunted by a weighmaster whose signature is on this certificate, who is WERTHMASTER CERTIFICATE. This is to certify that the following described commodity was 1.00 20 0**0** 12.53 TINU 1 1 合業 1 ----MO.: dle. SSS N. T. T. Maria DINGEL JOHNS **HEFFRENCE** DE PROTESTAND IN WERTHAMASTERS TO THE CONTRACTOR OF THE CONTRACTO VEHECLE 4 14 ACM RATE EXTENSION TAX the terms and conditions DAY BY HAD LIVED CHECKE CHANGE TENDERE NET AMOUNT TOTAL E

ERGENCY H	HAS STATE OFFICE OF EMERGENC' REPORT BEEN FILED? Yes	1	FOR LOCAL AGENCY USE ONL! I HEREBY CERTIFY THAT I AM A REPORTED THIS INFORMATION THE HEALTH AND SAFETY COO	R DESIGNATED GOVERNMENT EMP I TO LOCAL OFFICIALS PERSUANT	PLOYEE AND THAT I HAVE TO SECTION 25180 7 OF
PORT DATE	CASE #	0.000			
/26/16			SIGNED	CICALATURE	CATE
NAME OF INDIVIDUAL FILING REPORT Gina Wee		PHONE (415) 512-1555	SIGNATURE	ll_
REPRESENTING LOCAL AGENCY REG OWNER/OPERATOR OTH	GIONAL BOARD HER contractor		COMPANY OR AGENCY NAME Golden Gate Ta	ink Removal, Inc.	
1480 Carroll Avenue	\$70 0 57		San Francisco	CA	94124 TATE ZIP
> 378 Grand Avenue	e, LLC	Unknown			510-540-5982
ADDRESS 2295 San Pablo Ave			Berkeley	CA	94702
FACILITY NAME (IF APPLICABLE)	F187.E1	Transit Seed to go to the Seed selected selection of the seed of t	OPERATOR		PHONE
ADDRESS 378 Grand Avenue	STREET		Oakland		neda 94610
Staten Avenue				agreement at later the later through the control of	
LOCAL AGENCY Alameda County Environ	AGENCY NAME	Darka	ra Jakub		510-567-6737
REGIONAL BOARD		"Dai Da	ia jakub		PHONE
a Diesel		NAME			OUANTITY LOST (GALLONS)
Diesel					☐ Unknown
DATE DISCOVERED 1/26/16	HOW DISCOVERED	I I FAUR 1851	Control Subsurface M	onitoring 🔯 Other Tan	k Cleaning
DATE DISCHARGE BEGAN		Unknow	9	SCHARGE (CHECK ALL THAT APPL Close Tank & Removed Change Procedure	.Y)
	26/16 F YES DATE		☐ Replace Tank ☐ Repair Piping	Other	
SOURCE OF DISCHARGE	A STATE STAT	CAUSE(S)	Corresion	silure □ Unknown □ Spil	I ☐ Other
CHECK ONE ONLY Undetermined Soil Or	nly □ Groundwater □ Dri	nking Water -	(CHECK ONLY IF WATE	R WELLS HAVE ACTUALL	Y BEEN AFFECTED)
CHECK ONE ONLY On Action Taken Check Being Confirmed Remediation Plan Preliminary Site Assessm Preliminary Site Assessm Preliminary Site Assessm	□ □ sent Workplan Submitted □	Pollution Charac	onitoring in Progress	ecessary)	
CHECK APPROPRIATE ACTION(S) Cap Site (CD) Contamination Barrier (C) Vacuum Extract (VE) Excavate & Dispose (ED)	☐ Excavate & Treat (ET B) ☐ No Action Required (☐ Remove Free Produc) ☐ Pump & Treat Ground	NA) DE	reatment at Hookup (HU) Enhanced Bio Degradation Replace Supply (RS) /ent Soil (VS)	(IT) Gother Dispos	S.C.
Holes found in the	tank				

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

I FACILITY	IDENTIFICATION			Page of
	ACILITY ID#			1
TANK OWNER NAME				740
378 GRAND OVENUE, L	LP.			
TANK OWNER ADDRESS				741
2295 JAN PHOLD AVENUE.	BERKELEY,	CA 9	4702	
TANK OWNER CITY BERVEUL	742 STATE	CA 743	ZIP CODE OK	702 74
II. TANK CLOS	URE INFORMATIO	N		
Tank ID # Concentration of Flamm	able Vapor	Ce	encentration of Oxygen	n
of this page for more than three tanks) Top Center	Bottom	Тор	Center	Bottom
ATMOSPHERE 1	19b . 746c	747a	7476	747c
2	9b 749c	750a	750b	750c
3 751 752a 7.	752c	753a	753b	753¢
III. CEF	TIFICATION			
On examination of the tank, I certify the tank is visually free from product, sludg	e, scale (thin, flaky residual	of tank contents), r	inseate and debris. I f	urther certify that
the information provided herein is true and accurate to the best of my knowledge				
SIGNATURE OF CERTIFIER	STATUS OR AFFILIA	ATION OF CERTIE	FYING PERSON	
- MAIN	Certifier is a representa	tive of the CUPA,	authorized agency, or	LIA: 760
NAME OF CENTIFIER (Pink)	∐ Yes	75		men
	Name of CUPA, author	rized agency, or LL	A :	761
TITLE OF CERTIFIER NEST DENT				761
	If certifier is other than	CUPA / LIA check	appropriate box belo	W;
ALANDOS	a. Certified Industr			
	b. Certified Safety)	
and transpers	Certified Marine			
	d. Registered Envir		pecialist (REHS)	
PHONE /	e. Professional Eng	gineer (PE)		
715 612-1588	f. Class II Register			
DATE CERTIFICATION TIME	g. Contractors' State substance remove	te License Board lie al certification)	censed contractor (with	a hazardous
03/1/2016 13:00				
TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIAL	S			763
If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being			Yes No	
CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALI	R, DISPOSAL FACILITY,	ETC:		754
				Ì
A copy of this certificate shall accompany the tank to the recycling / disposal facility and be p	emoided to the CVIDA 16th	- CIMA	Mr. A. M. Jank. Tv	Academic
agency; owner / operator of the tank system, removal contractor, and the recycling / disposal	Socility.	IN CUPA, copies shi	nt oe anominted to the LL	A and aumorized

CETY OF OAKLAND

CHECK REVERSE

250 FRANK H. OGAWA PLAZA • 2ND FLOOR • OAKLAND, CA 94612

Planning and Building Department www.oaklandnet.com PH: 510-238-3891

FAX: 510,238-2263

TOD: 510-238-3254

Permit No:

X1502887

OPW - Excavation

Filed Date: 12/22/2015

Job Site:

378 GRAND AVE

Schedule Inspection by calling: \$10.33

Parcel No:

010 077600800

1

For SL; X; and CGS permits see SPECIAL NOTE below

District:

Project Description:

Excavate to remove existing underground storage tank in sidewalk-area

If working within 25' feet of a monument you must comply with State Law 87.74, contact the

Inspector prior to starting excavation, minimum \$5,800.00 fine for non-coronlance.

Comply with all terms of City of Cakland Public Works Standards, Street Excavation Rules,
Revised March 2015 and City Council Ordinance No. 13300 C.M.S. Five day prior portice required.

for work lasting five days or less in business/commercial districts, 72 hour rotice by esidential districts. Ten day prior notice required for work lasting six days or more in all districts.

FIRE MARSHAL review required, 3rd FLOOR.

Call PWA INSPECTION prior to start: 510-298-3651, 4th FLOGR.

Related Permits:

X1502478

- 5 (1:16-3801

5 A 4 BA253

Applicant

Address

Phone

License #

Owner:

GRAND AVENUE

2909 MCCLURE ST OAKLAND, CA

APARTMENTS

Contractor: GOLDEN GATE TANK

Name

X

1455 YOSEMITE AVENUE SAN

1455 YOSEMITE AVENUE SAN

(415) 512-1555

REMOVAL INC

FRANCISCO

REMOVAL INC

REMOVAL INC

FRANCISCO

Contractor:

GOLDEN GATE TANK

FRANCISCO

(415) 512-1555 616521

PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA

General Information

Excavation Type: Private Party

Special Paving Detail Required:

Tree Removal Involved:

Date Street Last Resurfaced:

Worker's Compensation Company Name:

anu Biama

Holiday Restriction (Nov 1 - Jan 1):

Worker's Compensation Policy #:

Limited Operation Area (7AM-9AM) And (4PM-6PM)

Key Dates

Approximate Start Date:

Approximate End Date:

Technology Enhancement Fee

TOTAL FEES TO BE PAID AT FILING: \$434.91

Application Fee

\$70.00 E

Excavation - Private Party Type

\$309.00

Records Management Fee

\$36.01

Plans Chefred by

\$19.90

SPECIAL NOTE

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263



Oakland Fire Department, Fire Prevention Bureau 250 Frank H. Ogawa Plaza, Ste. 3341 Oakland, CA 94612-2032



Inspection Work Order

Business Name:

Golden Gate Tank Removal, Inc.

Reason

Tanks

Address:

378 GRAND AVE

Scheduled:

2015-12-08 2:00PM

Job (Insp Ref#):

2015-40342

Assigned To:

Skillern, Sheryl

Comments:

Underground Tank Removal plan review & 1 insp. Gina Wee w/Golden Gate Tank Removal Inc.,

415-512-1555. PAID \$668.00. hro

Invoice #

2015-38698

Applicant:

Invoice Amount

668.00

Applicant Ph#:

Contractor:

Contractor Ph#:

Contact Name

Field Contact #

Gina Wee

i iolu oolilaal m

415-512-1555

Review Type

UST

REVIEWED AND APPROVED OAKLAND FIRE DEPARTMENT

TITLE:

19173/15

TE: 12/23/15

ALL INSPECTIONS REQUIRE
48 HOURS NOTICE

48 HOURS NOTICE

CITY OF OAKLAND FIRE PREVENTION BUREAU 250 Frank Ogawa Piaza, Ste. 3341 OAKLAND, CALIFORNIA 94612-2032 (510) 238-3851

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

CAN CINCUL	APPROPRIATE	Request Submittal Date: December 08, 2015 E ACTIONS: Application is hereby made for permit to:
Remove (b) Insta	il (c) Repair (d) M	fodify (e) Abandon/Close in Place A
		d) tank(s) and excavate, commencing:
) four feet inside the luside curb line, pleas	e curb line*; (b) insi ne attach copy of siden	ide the property line; (c) shoveground; (d) underground tank(s) walk/excavation permit from PLANNING AND BUILDING
n the east_side of	Grand Avenue	St/Ave. 100 feet of Staten Ave St/Ave.
ite Address: 378 G	rand Avenue	Present storage Heating oil
wner: 378 Grand A	venue, LLC	Address 2295 San Pablo Avenue Phone (510)540-5982
	Berkeley	CA 94702
- Colden G		nc. Address 1480 Carroll Avenue Phone (415) 512-1555
Applicant: Golden Ge		rancisco CA 94124
	oe districedv	Number of Tanks 1 (one) Capacity 1500 Gallons ea.
Remarks		Number of Tanks 1 (One) Capacity
Remarks Signature PLEASE ATTACH/ (2) Copies o (2) Sets of p (2) Sets of p (2) Sets of p copy or pre repair NOTE: FOR TANK	SUBMIT: (All applicated Closure Plans for uplant and (1) copy of a lans and (2) sets of applicate for aboveground pare to show Planning (INSTALLATION POR PERMIT TO OPE	and must have a City Business License Permit) inderground tank removal(s) specifications for above ground tank removal pplication packets for underground tank installation/modifications d tank installation and specifications ag and Building approval for aboveground tank removal and tank PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A ERATE, MAINTAIN OR STORE
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Remarks Signature PLEASE ATTACH/ (2) Copies o (2) Sets of p (2) Sets of p (2) Sets of p copy of prepair NOTE: FOR TANK APPLICATION FO Permit No. Copies to: Electrica	SUBMIT: (All applicated Consure Plans for a plans and (1) copy of a lans and (2) sets of applications for aboveground pare to show Plansing (INSTALLATION POR PERMIT TO OPE	and must have a City Buziness License Permit) anderground tank removal(s) specifications for above ground tank removal splication packets for underground tank installation/modifications d tank installation and specifications ag and Building approval for aboveground tank removal and tank PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A ERATE, MAINTAIN OR STORE FOR OFFICE USE ONLY Amt. Recv'd Date Issued: Clot Cast Receipt# OAKLAND FIRE DEPART BY: OAKLAND FIRE DEPART

48 HOURS NOTICE



	REVIEWED AND APPROVED
	THE DEPARTMENT
	BYN YAAR VONA
	DATE: 12/22/1
ı	
ı	ALL INSPECTIONS REQUIRE 48 HOURS NOTICE
	12 TOOKS HOTICE

ONSITE CLEANING OR CUTTING OF UNDERGROUND TANKS

Various circumstances at underground tank removals may make on-site cutting of tanks necessary or advantageous. Due to the inherent safety, health and environmental hazards, Golden Gate Tank Removal, Inc. has imposed the following conditions on cutting of any tanks that have held hazardous material of waste.

- 1. The local fire department shall be advised in advance of planned on-site cutting, or of any change from approved plans to include on-site cutting. The cutting of any tank that previously held flammable and/or combustible liquids shall be approved in advance by the local Fire Department inspector.
- 2. Tanks shall be completely emptied and the contents handled in accordance with all pertinent regulations.
- 3. To minimize release of the hazardous waste, any tank to be cut in place shall be cleaned to render it non-hazardous. The final Rinsate or interior wipe sample shall not exceed 100 PPM of product verified by laboratory analysis: or the tank shall be evinced as cleaned to bare metal. Rinsate shall be handled in accordance with all pertinent regulations.
- 4. Any tank that held flammable or combustible liquid shall be inerted prior to cutting. A minimum of 3 pounds of dry ice per 100 gallons of capacity shall be used for a flammable liquid tank. The atmosphere in the tank shall be maintained below 5% of Lower Explosive Limit (LEL) throughout cutting.
- 5. Cutting implements shall be approved for use prior to the cutting of any tank. Tanks that are properly inerted may be cut with gas torches only with approval from the local Fire Department. Edged tools may be used in the tank if it is properly inerted, Edged tools shall be lubricated with cutting oil or water spray.
- 6. At least one charged 20BC Fire extinguisher shall be kept on-site, immediately accessible to the workers performing the cutting.
- 7. Occupational Health and Safety provisions of Title 8, California Code of Regulations, shall be observed, including but not limited to site safety plans, confined space entry, respirators and other personal protection equipment and sanitation.
- 8. All other pertinent regulations, including but not limited to those of the local departments of Public Health, Fire and Public Works, the Bay Area Air Quality Management District and the Bay Regional Water Quality Control Board, shall be observed.

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH 1131 HARBOR BAY PARKWAY ALAMEDA, CA 94502-6577

PHONE (510) 567-6700

ACCEPTED

Alamada County Division of Hazardous Mater Inderground Grange Test Closure Person Appl 1131 Harbor Bay Perferrey, Suite 250

Alameda, CA 94500-4577

These cosmenterional plans have been received and found to exceptable and executely most the respective of have and Local Health Laws, Changes to your docume plant tate and local tews. The project proposed trendin he of indicated by this Department are to assure compliance

Che copy of the accepted plans numb be an the jub land washing to all contractors and cretionen involved with the aleazed for issuance of any required building permits for poremicilos/destruction.

must be submitted to this this Department and to the Pin and Sukang Inspections Department to describe it such Lay changes or alterations of these plans and specification Notify this Department or least 72 hours prior to the follow changes meet the requirements of State and botal laves. equired inc. epitions. **BUDDAY**

Homowel of Tenk(8) and Poling closure, is dependent on compliance medo ot amed to to Final Inspection Samping STATES OF

THERE IS A FINANCIAL PENALTY FOR and all applicable laws and regulations. NOT OFTAMING THES

Contact Special

barbara jakub@acgov.b Barbara Jakub 510-567-6737

Approved 12/23/2015

UNDERGROUND STORAGE TANK CLOSURE PLAN * * * Complete closure plan according to instructions * * *

1	Name of Business 378 Grand Avenue		
	Business Owner or Contact Person (PRINT)	378 Grand Aven	ue, LLC
2.	Site Address 378 Grand Avenue		
	City, State Oakland, CA	Zip <u>94610</u>	Phone <u>510-540-5982</u>
3.	Mailing Address 2295 San Pablo Avenue		· ·
	City, State Oakland, CA	Zip <u>94702</u>	Phone <u>510-540-5982</u>
4.	Property Owner 378 Grand Avenue, LLC		
٦,	Business Name (if applicable)		
	Address 2295 San Pablo Avenue	10	
	City, State Oakland, CA	Zip <u>94610</u>	Phone <u>510-540-5982</u>
5.	Generator name under which tank will be ma	anifested	
	378 Grand Avenue, LLC		
	EDA LD No under which tank(s) will be mai	nifested	CAC002840269

. С	Contractor Golden Gate Tank Removal, Inc	C.		
C	ity, State San Francisco, CA	Zip 941	24	Phono 415 512 4555
Li	cense Type <u>A C-8, Haz</u>		ID# 616	521
C	onsultant (if applicable)			V&I
A	ddress			
Ci	ty, State	Zip		Phone
Ma	ain Contact Person for Investigation (if app	licable)		THORE
			le Proje	ct Manager
Co	ompany Golden Gate Tank Removal, Inc.			ot Manager
Ph	one 415-512-1555			
Nu	mber of underground tanks being closed w	vith this pla	an 1 (one	e)
Le	ngth of piping being removed under this pla	an <u>up to 1</u>	5 feet	
To	tal number underground tanks at this facilit	y (**confin	med with	owner or operator) one
Sta	ite Registered Hazardous Waste Transpor	ters/Facilit	ies (See	Instructions).
a)	Product/Residual Sludge/Rinsate Transp	orter		
	Name NRC Environmental Services		EPA I.[D. No. <u>CAR000030114</u>
	Hauler License No. 414013 5158		License I	Exp. Date <u>06/30/2016</u>
	Address 1605 Ferry Point			
	City, State Alameda, CA			Zip <u>94501</u>
b)		al Site		
			EPA I.D). No. <u>CAL000190816</u>
	City, State Riverbank, CA			Zip <u>95367</u>
	A C C A C C C C C C C C C C C C C C C C	Address 1480 Carroll Avenue City, State San Francisco, CA License Type A C-8, Haz Consultant (if applicable) Address City, State Main Contact Person for Investigation (if application) Name Tim Hallen Company Golden Gate Tank Removal, Inc. Phone 415-512-1555 Number of underground tanks being closed volume and the plant of piping being removed under this plant total number underground tanks at this facility state Registered Hazardous Waste Transportal Product/Residual Sludge/Rinsate Transportal Product/Residual Sludge/Rinsate Transportal Name NRC Environmental Services Hauler License No. 114013 5158 Address 1605 Ferry Point City, State Alameda, CA	Address 1480 Carroll Avenue City, State San Francisco, CA Zip 941 License Type A C-8, Haz Consultant (if applicable) Address City, State Zip Main Contact Person for Investigation (if applicable) Name Tim Hallen Tit Company Golden Gate Tank Removal, Inc. Phone 415-512-1555 Number of underground tanks being closed with this plate Length of piping being removed under this plan up to 1 Total number underground tanks at this facility (**confine State Registered Hazardous Waste Transporters/Facility a) Product/Residual Sludge/Rinsate Transporter Name NRC Environmental Services Hauler License No. 114013 5158 Address 1605 Ferry Point City, State Alameda, CA b) Product/Residual Sludge/Rinsate Disposal Site Name Riverbank Oil Transfer, LLC Address 5300 Claus Road, Bldg 11	Address 1480 Carroll Avenue City, State San Francisco, CA Zip 94124 License Type A C-8, Haz ID# 616 Consultant (if applicable) Address City, State Zip Main Contact Person for Investigation (if applicable) Name Tim Hallen Title Project Company Golden Gate Tank Removal, Inc. Phone 415-512-1555 Number of underground tanks being closed with this plan 1 (one Length of piping being removed under this plan up to 15 feet Total number underground tanks at this facility (**confirmed with State Registered Hazardous Waste Transporters/Facilities (See a) Product/Residual Sludge/Rinsate Transporter Name NRC Environmental Services EPA I.I. Hauler License No. 144013 5158 License II Address 1605 Ferry Point City, State Alameda, CA b) Product/Residual Sludge/Rinsate Disposal Site Name Riverbank Oil Transfer, LLC EPA I.D. Address 5300 Claus Road, Bldg 11

	C)	Tank and Piping Transporter		
		Name Golden Gate Tank Removal, Inc. (Dispo	se & Transport as Non Haz	EPA I.D. No.
		Hauler License No.	License Exp. I	Date
	d)	Tank and Piping Disposal Site		
		Name Circosta Scrap Metal	EPA I.D. No	CAD983650797
		Address 1801 Evans Ave.		
		City, State San Francisco, CA		Zip <u>94124</u>
11.	San	mple Collector		
	Nar	me Brent Wheeler/Ascension Mora	TA OSCILIO MANORE MANOR	
	Con	mpany Golden Gate Tank Removal, Inc.		
	Add	dress 1480 Carroll Avenue		
	City	y, State San Francisco, CA	Zip <u>94124</u> Pho	one <u>415-512-1555</u>
12.	Lab	boratory		
	Nar	me		
		mpany Accutest Laboratories, Inc.		
	Add	dress 2105 Lundy Avenue		
	City	y, State San Jose, CA		Zip <u>95131</u>
	Sta	ate Certification No. ELAP 2910		
13.	Hav	ve tank(s) or piping leaked in the past? Y	es[] No[] Unkn	own [X]
	If y	ves, describe:		

14.	Des	escribe method(s) to be used for rendering	tank(s) inert:	
	Flu	ush lines and triple rinse with water, if nece	essary	
	Re	emoval of product, purge, introduce dry ice	to reduce vapors	
	Re	emove the tanks		
	Ce	ertify it as clean or non hazardous		
	Ha	aul tanks as scrap metal		
	На	aul rinsate as haz mat under manifest		

Before tank(s) are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, (415) 771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verity tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verity that the tank(s) is inerted.

15. Tank History and Sampling Information ***(See Instructions)***

Tank			
Capacity (gallons)	Use History include date last used (estimated)	Material to be sampled (tank contents, soil, groundwater)	Location and Depti of Sample(s)
1500	Unknown	Soil samples & water if present	1 stockpile 2.north/east end of excavation 3.south/west end of excavation Bottom of tank – max 15 feet

One soil sample must be collected for every 20 linear feet of underground piping that is removed. A groundwater sample must be collected if any groundwater is present in the excavation.

Excavated/Stockpiled Soil					
Stockpiled Soil Volume (estimated)	Sampling Plan				
10-20 yards	4 point composite for every 50 cubic yards Or 4 point composite for every 20 cubic yards				

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal?

[] yes [] no [X] unknown

If yes, explain reasoning ______

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
See attached minimum verification analyses			
'. Submit Site Health a			

- 17. Submit Site Health and Safety Plan (See Instructions)
- 18. Submit Worker's Compensation Certificate copy

Name of Insurer State Fund Compensation Insurance

- 19. Submit Plot Plan ***(See Instructions)***
- 20. Enclose Deposit (See Instructions)
- 21. Report all leaks or contamination to this office within 5 days of discovery. The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan has been approved.

I understand that any changes in design, materials, or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature Date 12/08/15	
Name of Individual Yuval Bobrovitch	
Name of Business 378 Grand Avenue, LLC	168
[X] PROPERTY OWNER OR [] MOST RECENT TANK OPERATOR (Check one)	
Signature Date 12/08/2015	200-
Name of Individual Gina Wee - Project Coordinator	-
Name of Business Golden Gate Tank Removal, Inc.	_
CONTRACTOR INFORMATION	

Subject: Conditions for Approval of Closure Plan

The following items are included in the Conditions of Approval by Item #:

- 14. No liquid is to be introduced into the tank. The tank will not be rinsed or washed while it is in the tank pit. Please remove the tank, place it on bermed plastic sheeting before introducing liquids. Ensure that all liquids are captured within the bermed area and appropriately disposed.
- 16. Tank was reported as an unknown fuel, use the recommended minimum verification analysis for unknown fuel (see attached).

Hazardous Waste Tank Closure Certification – This form is attached. Please complete in order to transport the tank to a scrap metal facility.