



July 7, 2019

G76501.01

La Casa De Maria First Mortgage Investors, LP
C/O Carl Lindros
747 Garden Street
Santa Barbara, CA 93101

**Subject: Report of Soil Sample Analyses
 Underground Storage Tank Removal
 401 North E Street,
 Madera, California**

Moore Twining Associates, Inc., (Moore Twining) is pleased to submit this report of soil sampling and analyses in conjunction with the removal of one (1) 250-gallon underground storage tank (UST) and one (1) 2,000-gallon UST located at 401 North E Street, Madera, California (Site). The purpose of our scope of services was to assess the presence or absence of petroleum hydrocarbons in soil beneath the USTS as directed by the Madera County Environmental Health Department (MCEHD) onsite representative. A Site location map showing the location of the Site is included as Drawing 1.

The 250-gallon and 2,000-gallon USTs were removed on June 12 and June 14, 2019, respectively. The USTs were removed by Williams Excavation, a Hazardous A licensed contractor. A Moore Twining representative was present during the removals to obtain samples of the soil beneath the USTs for chemical analyses. Ken Vang of the MCEHD was also onsite to observe the removal of the USTs, observe soil sampling activities, approve soil sampling locations, and specify analytical tests for the soil samples.

OBSERVATION AND SAMPLING PROCEDURES

The former contents of the 250-gallon UST was unknown but was reported to have been empty. The former contents of the 2,000-gallon UST was gasoline and was reported to have had residual gasoline at the bottom prior to washing.

The top of the 250-gallon UST appeared to have collapsed and had obvious rust and pitting. The 2,000-gallon UST appeared to be in good condition with some rust and no holes observed. The physical dimensions of the USTs, tanks capacity, and observations made by Moore Twining at the time of the removal are summarized in Table 1. The depth to the base of the 250-gallon and 2,000-gallon UST was approximately 5 and 9 feet below site grade (bsg), respectively.

One (1) soil sample was obtained from beneath each of the USTs at a depth of approximately 3-feet below the bottom of the UST (approximately 8 feet bsg for the 250-gallon UST and 12 feet bsg for the 2,000-gallon UST). Under the direction of Ken Vang of the MCEHD, the soil samples were analyzed for gasoline, volatile organic constituents (VOCs), and total lead. The soil samples obtained beneath the USTs did not contain obvious soil discoloration or hydrocarbon odor. The UST and soil sampling locations are depicted on Drawing 1.

The soil samples obtained beneath the USTs were collected from an excavator bucket by driving a stainless-steel sleeve into the excavated soil near the teeth of the bucket by hand. After the soil sample was collected, the stainless-steel sleeve was capped with Teflon ® liners and plastic endcaps. The location, time and date, and the collector's name was recorded on each sample. The soil samples were stored in a cooler with an artificial ice substitute to preserve the integrity of the samples. The soil samples were transported and submitted to Moore Twining's analytical laboratory located in Fresno, California for analyses under proper chain-of-custody (COC) protocols. Soil samples were analyzed for total petroleum hydrocarbons as referenced to gasoline (TPHg), VOCs, and total lead. A summary of the analytical results of the soil sample are included in Table 2. Analytical reports, including COC documentation for the soil sample are included in Appendix A.

Analytical results show no detectable VOC and gasoline concentrations in the soil sample collected below the 2,000-gallon UST. Low concentrations of gasoline and various VOCs were detected in the sample collected below the 250-gallon UST. These detected concentrations are below published screening levels for residential and industrial properties as indicated in Table 2. Elevated lead of 60 milligrams per kilogram (mg/kg) was detected in the sample collected below the 250-gallon UST. This concentration is below published screening levels for residential and industrial properties of 80 mg/kg and 320 mg/kg, respectively. Results of a Waste Extraction Test for this sample indicated a lead soluble threshold limit concentration (STLC) of 4.5 milligrams per liter (mg/l), which is below the California hazardous waste STLC limit of 5 mg/l.

Overall, results showed no detectable concentrations of constituents analyzed above published screening levels for residential and industrial properties. Thus, no additional assessment or remedial action appears warranted.

LIMITATIONS

Moore Twining was responsible only for soil sampling at the site and chemical testing of the soil samples collected in the field. Soil sample location and scope of chemical analyses were based on the standard of practice for UST removal actions at the time of the work.

No investigation is thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such materials on the site, but rather as the result of the services performed within the scope, limitations and cost of the work performed. This report completes the scope of Moore Twining's services for this site.

This work was performed to the standard of practice for environmental consultants in Madera County at the time the work was performed, no other warranty, expressed or implied is made.

CLOSING

Consistent with your standing direction, a copy of this report will be forwarded to the MCEHD. Moore Twining appreciates the opportunity to assist you on this project. If you have questions regarding this report, please contact Moore Twining at (559) 268-7021.

Respectfully Submitted,

**Moore Twining Associates, Inc.,
Environmental and Geological Services Division**



Keith Mayes, PG 7555
Project Manager



Enclosures:

Drawing 1 - Site Plan

Appendix A - Laboratory Analytical Reports and COC Documentation

Distribution: Williams Excavation - (1 Copy)
Madera County Environmental Health Department - (1 copy)

DRAWINGS



SOIL SAMPLE LOCATIONS
UST REMOVAL ACTION
401 NORTH E STREET
MADERA, CALIFORNIA

FILE NO. G76501.01	DATE DRAWN: 6/27/19
DRAWN BY: KLM	APPROVED BY:
PROJECT NO. G76501.01	DRAWING NO. 1



TABLES

TABLE 1
Underground Storage Tank Contents, Capacity, and Observed Condition
401 North E Street, Madera, California
UST Removal Action, June 12 and 14, 2019

UST Location	UST Former Contents	Diameter/ Width (ft)	Length (ft)	Volume (gallons)	Bottom Depth (ft)	Observed Condition of Tank and Excavation
401 N E Street, Madera, CA	Unknown	2.5	5	250	5	Top of tank collapsed, heavy rust and pitting, no soil discoloration or odors
402 N E Street, Madera, CA	Gasoline	6	9	2,000	9	Some rust and pitting, no soil discoloration or odors

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
Total Petroleum Hydrocarbons and Volatile Organic Hydrocarbons - METHODS 8015B/8260B

Sample Identification	Date	TPH-g	Total Lead	PCE	TCE	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2,4-trimethyl-benzene	1,3,5-trimethyl-benzene	Acetone	Chlorobenzene	n-Propylbenzene	isopropyl benzene	Other VOCS
Results in Milligram per Kilogram (mg/kg)																		
USTSM-3'	5/22/19	8.5 AS	60 STLC = 4.5*	0.0085	<0.001	<0.001	0.15	0.025	0.19	<0.001	0.03	0.075	0.02	0.074	0.002	0.0079	0.0023	ND
USTLG-3'	5/22/19	<1.0	3.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND
Residential RSL		¹ 430	80	0.59	0.94	0.33	1,100	5.8	580	47	2.0	300	270	61,000	280	-----	-----	VARIOUS
Industrial RSL		¹ 2,000	320	2.7	6.0	1.4	5,300	25	2,500	210	6.5	1,800	1,500	670,000	1,300	-----	-----	VARIOUS

Notes:
TPH-g = Total petroleum hydrocarbons as gasoline
PCE = Tetrachloroethene
TCE = Trichloroethene
VOCS = Volatile organic compounds
-- = dashed where screening levels are not available.
RSL = Regional Screening Levels, U.S. EPA November 2018 (TR=1E-06 and THQ=1.0) - Available California DTSC HERRO Note 3 (April 2019) values utilized
ND = this analysis includes a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits.
1 = Environmental Screening Levels, compiled by the California Regional Water Quality Control Board,
San Francisco Bay Region (revised January 2019) - Direct Exposure Human Health Risk Soil Screening Levels

AS = laboratory report noted a heavier hydrocarbon than gasoline
<0.001 = less than the indicated laboratory reporting limit
* = Soluable Threshold Limit Concentration (STLC) in milligrams per liter based on Calfiornia Waste Extraction Test

APPENDIX A

Soil Samples

Laboratory Analytical Reports and Chain-of-Custody Documentation

July 08, 2019

Work Order #: **FF12033**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: UST Removal - 401 N. E St. , Madera, CA

Enclosed are the analytical results for samples received by our laboratory on **06/12/19** . For your reference, these analyses have been assigned laboratory work order number **FF12033**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.



Susan Federico
Client Services Representative

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
USTSM-3'		FF12033-01	Soil	06/12/19 11:17	06/12/19 13:49

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

USTSM-3'

FF12033-01 (Soil)

Sampled: 06/12/19 11:17

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		60	2.0	mg/kg	1	B9F1707	06/20/19	06/22/19	EPA 6010B
Metals (STLC/Citrate Buffer)									
Lead		4.2	0.50	mg/L	1	B9G0111	07/03/19	07/04/19	EPA 6010B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2,4-Trimethylbenzene		0.075	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,3,5-Trimethylbenzene		0.020	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Acetone		0.074	0.020	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

USTSM-3'

FF12033-01 (Soil)

Sampled: 06/12/19 11:17

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Chlorobenzene		0.0020	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Ethylbenzene		0.025	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Isopropylbenzene		0.0023	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
m,p-Xylene		0.14	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Naphthalene		0.030	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
n-Propylbenzene		0.0079	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
o-Xylene		0.054	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Tetrachloroethene (PCE)		0.0085	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Toluene		0.15	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Xylenes		0.19	0.0010	mg/kg	1	B9F1302	06/13/19	06/13/19	EPA 8260B
Surr: 4-Bromofluorobenzene		99.6%	Recovery Limits: 70% - 130%			B9F1302	06/13/19	06/13/19	EPA 8260B

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
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Reported:
07/08/2019

USTSM-3'

FF12033-01 (Soil)

Sampled: 06/12/19 11:17

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Surr: Dibromofluoromethane		109%	Recovery Limits: 70% - 130%			B9F1302	06/13/19	06/13/19	EPA 8260B
Surr: Toluene-d8		98.8%	Recovery Limits: 70% - 130%			B9F1302	06/13/19	06/13/19	EPA 8260B
TPH-G									
Gasoline (C6-C10)	AS	8.5	1.0	mg/kg	1	B9F1406	06/14/19	06/14/19	EPA 8015B
Surr: 4-Bromofluorobenzene (FID)	S02	153%	Recovery Limits: 70% - 130%			B9F1406	06/14/19	06/14/19	EPA 8015B

Notes and Definitions

AS	Heavier hydrocarbon than gasoline
S02	Surrogate recovery was affected by the matrix.
µg/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.	
If the test was performed in the laboratory, the hold time was exceeded. (for aqueous matrices only)	

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

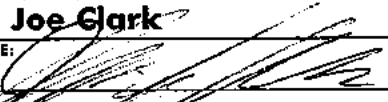
WORK ORDER #:

PAGE 1 OF 2 FF 12033

REPORT TO:**X INVOICE TO:**



X REPORT COPY TO:

REPORTING:

ATTENTION: Keith Mayes		ATTENTION: Keith Mayes		X STANDARD FORMAT <input type="checkbox"/> EDT (STATE FORM) <input type="checkbox"/> GEOTRACKER/COELT (LUFT) <input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> County DHS : _____ <input type="checkbox"/> Environmental Health Agency : _____ X OTHER: <u>J Flag Report/Standard Excel</u>	
NAME: Moore Twining Associates		NAME: Moore Twining Associates			
ADDRESS: 2527 Fresno St		ADDRESS: 2527 Fresno St			
PHONE: 559-268-7021		PHONE: 559-268-7021			
FAX: 559-268-7126		FAX: 559-268-7126			
SAMPLE INFORMATION		SAMPLE TYPES:		PROJECT INFORMATION	
SAMPLED BY (PRINT): Joe Clark		SOLID: BS - BIOSOLID CR - CERAMIC SL - SOIL/SOLID LIQUID: DW - DRINKING WATER GW - GROUND WATER OL - OIL SF - SURFACE WATER ST - STORM WATER WW - WASTE WATER		CONTRACT/P.O. NO.:	
SIGNATURE: 				PROJECT: UST Removal 401 N. E St. Madera, CA	
<input type="checkbox"/> PUBLIC SYSTEM <input type="checkbox"/> ROUTINE <input checked="" type="checkbox"/> PRIVATE WELL <input type="checkbox"/> REPEAT <input type="checkbox"/> OTHER <input type="checkbox"/> REPLACEMENT				PROJECT NUMBER: G76501.01	
TURN AROUND TIME: <input type="checkbox"/> RUSH, DUE ON:				CRWA MEMBER? YES <input type="checkbox"/> NO <input type="checkbox"/>	
<input type="checkbox"/> STANDARD				ANALYSIS REQUESTED	

[illegible]

COMMENTS/ADDITIONAL INSTRUCTIONS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	6/12/19	1349		MTA

July 08, 2019

Work Order #: **FF14009**

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: UST Removal - 401 N. E St. , Madera, CA

Enclosed are the analytical results for samples received by our laboratory on **06/14/19** . For your reference, these analyses have been assigned laboratory work order number **FF14009**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.



Susan Federico
Client Services Representative

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
USTLG-3'		FF14009-01	Soil	06/14/19 11:00	06/14/19 11:53

Corrected sample id name to reflect same as on coc. SMF 7/8/19

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

USTLG-3'

FF14009-01 (Soil)

Sampled: 06/14/19 11:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Lead		3.5	2.0	mg/kg	1	B9F1707	06/20/19	06/22/19	EPA 6010B
Volatile Organics									
8260B Twining									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Acetone		ND	0.020	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

USTLG-3'

FF14009-01 (Soil)

Sampled: 06/14/19 11:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
8260B Twining									
Chloroform		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	B9F1903	06/19/19	06/19/19	EPA 8260B
Surr: 4-Bromofluorobenzene		90.4%	Recovery Limits: 70% - 130%			B9F1903	06/19/19	06/19/19	EPA 8260B
Surr: Dibromofluoromethane		106%	Recovery Limits: 70% - 130%			B9F1903	06/19/19	06/19/19	EPA 8260B
Surr: Toluene-d8		98.9%	Recovery Limits: 70% - 130%			B9F1903	06/19/19	06/19/19	EPA 8260B

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: UST Removal - 401 N. E St. , Madera, CA
Project Number: G76501.01
Project Manager: Keith Mayes

Reported:
07/08/2019

USTLG-3'

FF14009-01 (Soil)

Sampled: 06/14/19 11:00

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Volatile Organics

TPH-G

Gasoline (C6-C10)	ND	1.0	mg/kg	1	B9F1912	06/19/19	06/19/19	EPA 8015B
Surr: 4-Bromofluorobenzene (FID)	98.0%	Recovery Limits: 70% - 130%			B9F1912	06/19/19	06/19/19	EPA 8015B

Notes and Definitions

µg/L micrograms per liter (parts per billion concentration units)
mg/L milligrams per liter (parts per million concentration units)
mg/kg milligrams per kilogram (parts per million concentration units)
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. (for aqueous matrices only)

Susan Federico

From: Keith Mayes
Sent: Monday, July 08, 2019 10:05 AM
To: Susan Federico
Subject: RE: FF14009-UST Removal-401 N. E St., Madera CA

Can you amend the sample ID to **USTLG-3'** as indicated on the Chain.

Thanks



Keith Mayes, PG
Project Manager
Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721
Office (559) 268-7021
Mobile (559) 978-9561

From: Susan Federico <SusanF@mooretwinning.com>
Sent: Friday, June 28, 2019 4:09 PM
To: Keith Mayes <KeithM@mooretwinning.com>
Subject: FF14009-UST Removal-401 N. E St., Madera CA



Susan Federico
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