Ed Hemmat

2420 San Pablo Avenue
Oakland, CA 94612

RECEIVED
By Alameda County Environmental Health 10:06 am, May 03, 201

April 25, 2016

Mr. Keith Nowell
Alameda County LOP
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

SUBJECT: SOIL SAMPLING BENEATH REMOVED UST REPORT
1501 Martin Luther King Jr. Way, Oakland, CA

Dear Mr. Nowell:

Enclosed, please find a copy of the December 26, 2013 subject Soil Sampling Beneath Removed UST Report prepared by my consultant, Enviro Soil Tech Consultants.

I declare, under penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Sincerely,

ED HEMMAT

File No. 6-13-858-SA

SOIL SAMPLING BENEATH
REMOVED UST AT THE PROPERTY
LOCATED AT 1501 MARTIN LUTHER KING JR WAY
OAKLAND, CALIFORNIA
DECEMBER 26, 2013

PREPARED FOR:
MR. ED HEMMAT
2420 SAN PABLO AVENUE
OAKLAND, CALIFORNIA 94612

BY:
ENVIRO SOIL TECH CONSULTANTS
131 TULLY ROAD
SAN JOSE, CALIFORNIA 95111

ENVIRO SOIL TECH CONSULTANTS

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Northern CA Accutest Laboratories' Reports and Chain-of-Custody Records

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 Fax: (408) 694-3447

December 26, 2013

File No. 6-13-858-SA

Mr. Ed Hemmat
2420 San Pablo Avenue
Oakland, California 94612

SUBJECT: SOIL SAMPLING BENEATH REMOVED UST AT THE PROPERTY
Located at 1501 Martin Luther King Jr. Way,
Oakland, California

Dear Mr. Hemmat:

Per your request and authorization, CEECON Testing, Inc. (CEECON) has removed one 1000-gallon underground gasoline tank, and our firm conducted soil-sampling service beneath the removed underground storage tank at the 15th Street sidewalk of the property located at 1501 Martin Luther King Jr. Way, in Oakland, California (Figure 1).

One UST was removed by CEECON Testing, Inc. of South San Francisco, and Enviro Soil Tech Consultants (ESTC) collected soil samples for analytical analyses in accordance with state and local agencies' standard procedures.

All the UST removal and soil sampling activities were conducted under the supervision of Mr. Cesar Avila with the City of Oakland Fire Department-Fire Prevention Bureau (COFD).

UST REMOVAL ACTIVTIES

On December 3, 2013, after obtaining all the necessary permits from City of Oakland Fire Department-Fire Prevention Bureau (COFD), CEECON, Inc. excavated and removed one 1000-gallon underground storage gasoline tank. The tank was removed and transported under a Uniform Hazardous Waste Manifest by Ecology Control Industries (ECI) to their facility in Richmond, California.

SOIL SAMPLING ACTIVITIES

On December 3, 2013, after the excavation and removal of underground gasoline storage tank, under the supervision of Mr. Cesar Avila with COFD, ESTC's field engineer collected two discrete soil samples from beneath the excavated UST area at a depth of approximately 8 feet below the surface. In addition, the field engineer also collected 1 soil sample beneath the removed associated piping at dispenser area. Soil samples from the removed tank were labeled as 1-8-E and 1-8-W, and soil sample from removed piping was labeled as 1-2-P.

Since the stockpiled soil from the excavation used as backfill of the cavity of removed tank, Mr. Cesar Avila with COFD required ESTC collect 4 random soil samples from the stockpiled soil. The soil samples were labeled as SP-1, SP-2, SP-3 and SP-4.

The approximate locations of soil samples are shown on Figure 2, and Table 1 summarizes the soil samples observations and analytical tests results.

SAMPLING PROCEDURES

Soil samples from removed UST and associated piping were collected in a clean tube with the aid of hand sampler by moving aside slough materials and retrieving native materials from the specified and measured depth, and the stockpiled soil samples were collected randomly at various depth in the stockpile. A clean 2-inch diameter brass tube sampler was driven into the soil. Immediately upon soil sampling, the tube ends were covered with aluminum foil and plastic caps, sealed, labeled and placed in a cold-ice chest for transport to Accutest Analytical Laboratories in San Jose with proper chain-of-custody.

LABORATORY ANALYSES

Per the request of Mr. Cesar Avila with COFD, the soil samples from removed UST excavation and associated piping were analyzed for Total Petroleum Hydrocarbon as gasoline (TPHg) per EPA Method 8015M; Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) Methyl Tertiary Butyl Ether (MTBE) and other Volatile Organic Compounds (VOCs) per EPA Method 8260B and Total Lead.

Four stockpiled soil samples were composited into one soil sample in the laboratory, and it was also analyzed for TPHg, VOCs and Total Lead. The laboratory tests results with the chain-of-custody are attached in Appendix "D".

ANALYTICAL RESULTS

Soil sample 1-8-E detected TPHg at 906 milligrams per kilogram (mg/Kg), Total Lead at 8.8 mg/Kg, Toluene at 15100 micrograms per kilogram (µg/Kg), Ethylbenzene at 27200 µg/Kg and some moderate to elevated levels of volatile organic compounds (VOCs). Soil

sample 1-8-W detected low level of Total Lead at 2.4 mg/Kg only while TPHg, BTEX, MTBE and other VOCs were below detection limit. Soil sample 1-2-P from removed associated pipeline detected low level of Total Lead at 9 mg/Kg only, while TPHg, BTEX, MTBE and other VOCs were below laboratory detection limit. Soil sample from stockpile detected low level of Total Lead at 5.7 mg/Kg and Methyl Ethyl Ketone at 560 µg/Kg only, but TPHg, BTEX and MTBE were below laboratory detection limit.

CONCLUSION AND RECOMMENDATION

Since one of the soil samples from removed UST detected moderate to elevated levels of TPHg, TEX and other VOCs, further investigation for this site is require by the regulatory agencies.

This report must be submitted to the COFD, Alameda County Environmental Health Services Agency (ACEHSA) and the Regional Water Quality Control Board-San Francisco Bay Region (RWQCB-SFBR) for their comments and directives.

LIMITATIONS

This report was prepared in accordance with the currently accepted standards for environmental investigation. The contents of this report reflect the conditions of the subject site during sampling. No other warranties, expressed or implied, as to the professional advice provided are made.

File No. 6-13-858-SA
December 26, 2013

It has been a pleasure to be of service to you on this project. If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500 or via email at info@envirosoiltech.com.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI
GENERAL MANAGER

LAWRENCE KOO, P. E.
C. E. #34928

File No. 6-13-858-SA
December 26, 2013

A P P E N D I X "A"

TABLES

ENVIRO SOIL TECH CONSULTANTS

File No. 6-13-858-GI
December 26, 2013

TABLE 1
SUMMARY OF SOIL SAMPLES ANALYTICAL RESULTS

Date	Sample ID	Depth (feet)	TPHg mg/Kg	Total Lead mg/Kg	B µg/Kg	T µg/Kg	E µg/Kg	X µg/Kg	MTBE µg/Kg	Other VOCs (µg/Kg)
12/03/13	1-8-W	8	ND<0.199	2.4	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND<5.0	None Detected<5.0
	1-8-E	8	906	8.8	ND <21000	15100**a**	27200	222000	ND <21000	n-Butylbenzene 19300**a** tert-Butyllbenzene 3020**a** Isopropylbenzene 4740**a** p-Isopropyltoluene 2390**a** Naphthalene 20100**a** n-Propylbenzene 21000 1,2,4-Trimethylbenzene 174000 1,3,5-Trimethylbenzene 43600**a**
12/03/13	SP-(1-4)	--	ND<4.8	5.7	ND<250	ND<250	ND<250	ND<500	ND<250	Methyl Ethyl Ketone 560**a**
12/03/13	1-2-P	2	ND<0.093	9.0	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	None Detected<4.9

TPHg – Total Petroleum Hydrocarbon as Gasoline
MTBE – Methyl Tertiary Butyl Ether
mg/Kg – Milligrams per Kilogram
ND – Not Detected (below laboratory detection limit)
a – Indicates an estimated value

BTEX – Benzene, Toluene, Ethylbenzene, Total Xylenes
VOCs – Volatile Organic Compounds
µg/Kg – Micrograms per Kilogram

File No. 6-13-858-SA
December 26, 2013

A P P E N D I X "B"

FIGURES

ENVIRO SOIL TECH CONSULTANTS

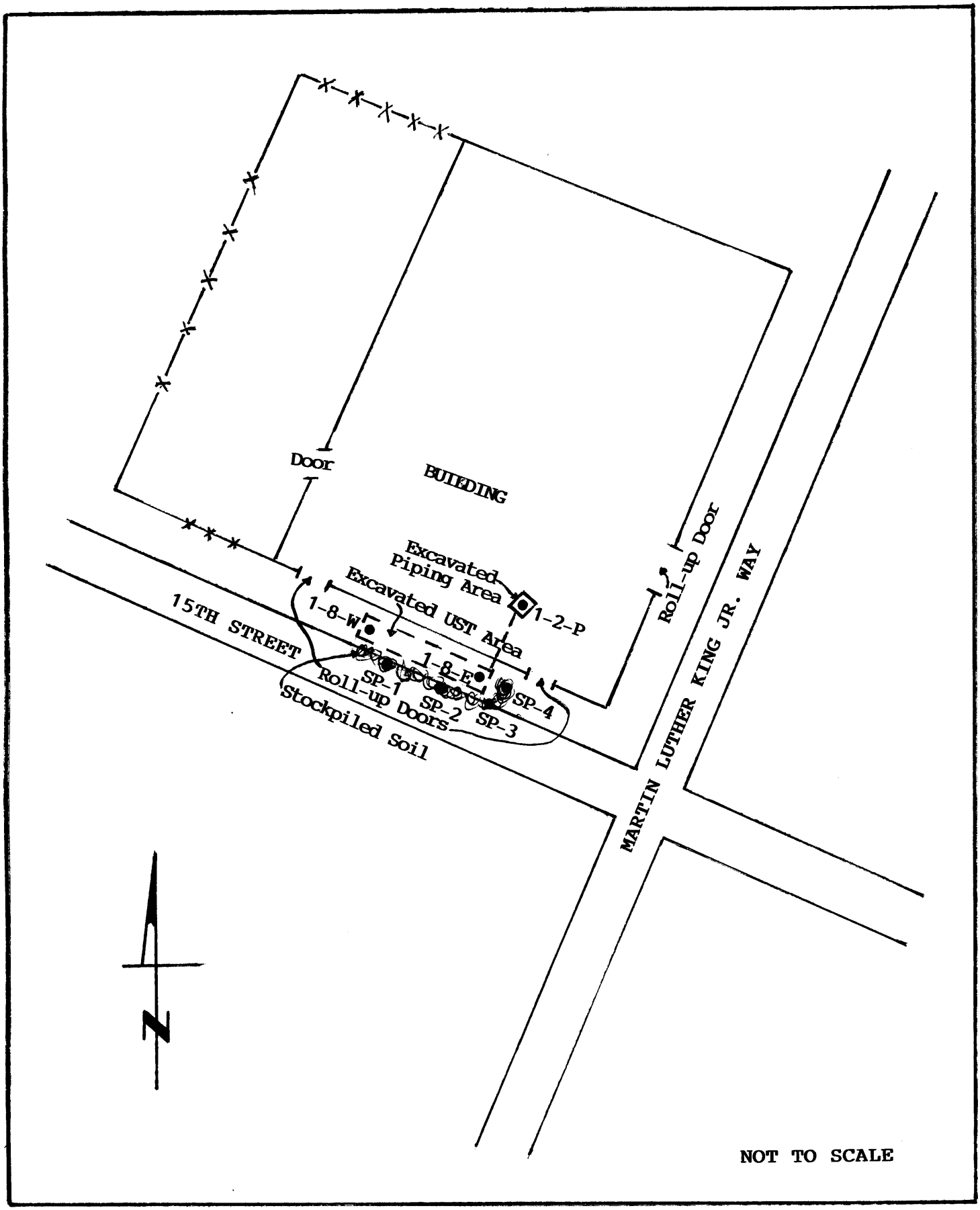
File No. 6-13-858-SA

1501 MARTIN LUTHER KING JR. WAY, OAKLAND, CA

ENVIRO SOIL TECH CONSULTANTS

Figure 1

F1



ENVIRO SOIL TECH CONSULTANTS

Figure 2

File No. 6-13-858-SA
December 26, 2013

A P P E N D I X "C"

PERMIT, INSPECTION REPORT AND UHWM DOCUMENTS

ENVIRO SOIL TECH CONSULTANTS

CEECON

Transmittal Sheet

Document	UNDERGROUND STORAGE TANK SYSTEM REMOVAL PERMIT APPLICATION
From	Mr. Michael Hodges CEECON Testing, Inc. 434 North Canal Street, Suite Six South San Francisco, California 94080 TEL: (650) 827-7474 FAX: (650) 827-7476 MBL: (415) 359-6453 EMAIL: ceecon@msn.com
Sent To:	Inspector Cesar Avila Oakland Fire Department Fire Prevention Bureau 250 Frank H. Ogawa Plaza, Suite 3341 Oakland, California 94612 TEL: (510) 238-3927 DIR: (510) 238-7054 FAX: (510).238-6739
Copy Sent To:	Mr. Frank Hamedi-Fard EnviroSoil Tech Consultants 131 Old Tully Road San Jose, California 95111-1921 TEL: (408) 297-1500 EMAIL: info@envirosoiltech.com
Site	Vacant Property 1501 Martin Luther King Jr. Way Oakland, California 94612
Site Number Project Number	Pending 626.01
Via	U.S. Priority Mail
Date	October 16th, 2013

APPLICATION PACKET
FOR

UNDERGROUND STORAGE TANK REMOVAL
In the CITY OF OAKLAND

OAKLAND FIRE DEPARTMENT
Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

Phone (510) 238-3927
Fax (510) 238-6739

FACILITY INFORMATION

Facility/Residence Name VACANT PROPERTY Business Type TO BE DEMOLISHED
Site Address 1501 MARTIN LUTHER KING, JR WAY City OAKLAND Zip 94612
Contact Person FRANK HAMEDI Title GENERAL MGR Phone 408 297-1500
E-Mail INFO@ENVIROSOILTECH.COM Cell Phone 408 314-1843
Owner, Agency, or Corporation Name (SEE ATTACHED) Phone
Mailing Address City State Zip
EPA ID Number
Note: Include "Proof of Financial Responsibility" SEE ATTACHED

CONTRACTOR REMOVING TANK(S) AND PIPING:

Contractor CEECON TESTING, INC
Contract Person MICHAEL HODGES Phone 650 827-7474
Business Address 434 NORTH CANAL ST. #6 City SOUTH SAN FRANCISCO Zip 94080
State Contractors License 589926
Note: Attach a copy of Contractors License, Hazardous Materials Certification, and Workers Compensation

HAZARDOUS WASTE HAULERS:

Hazardous Waste Hauler, Tank(s) PENDING EPA ID #
Business Address City
Contact Phone
Tank(s) and piping destination
Hazardous Waste Hauler (Rinsate) INSTAT EPA ID #
Business address P.O. BOX 2279 City DAVIS, CA
Contact PATRICK MCLAUGHLIN Phone (530) 753-1809
Note: Include Hauler License No. License Exp. Date

SAMPLE COLLECTION AND ANALYSIS:

Sample Collector FRANK HAMEDI Company ENVIROSOILTECH CONSULTS
Address 151 OLD TULLY ROAD City SAN JOSE Phone (408) 297-1500
Soil/Water Analysis Laboratory TORRENT LABORATORY, INC.
State certification No. 1991 Contact Phone 408 263-5258
Business Address 483 SINCLAIR FRONTAGE City MILPITAS Zip 95035

TANK(S) INFORMATION

	TANK SYSTEM: SIZE (GALLONS)	TANK CONSTRUCTION	SUBSTANCE(S) PREVIOUSLY CONTAINED
TANK 1	500 GALLONS	STEEL	HEATING OIL/DIESEL
TANK 2	–	–	–
TANK 3	–	–	–
TANK 4	–	–	–

"PROCEDURES TO CLOSE UNDERGROUND STORAGE TANK(S) SYSTEMS"

1) Submit to the City of Oakland Office of the Fire Marshal (OFM) three (3) completed **Underground Storage Tank System Closure Permit Application.** Prepare State Water Resources Control Board Facility and Tank Pages. These Forms are available from the OFM or you may download the forms by logging on to www.unidocs.org .
   - Include a complete **Tank Page** for each tank to be closed.
   - Include a complete **Facility Page (if)** tank to be closed is home heating oil, or non-regulated.
   - One complete copy of your approved plan must be at the construction site at all the times.
   - Any cutting into tanks requires OFM approval.

2) Include with the submitted application a check payable to the City of Oakland for the amount of the designated fee, workmen's compensation insurance verification, and plot plan drawing. The drawing consists of a scaled view of the facility which shows the tank(s) location and the following information:
   - Scale
   - North Arrow
   - Property Line
   - Location of structures near the tank(s)
   - Location of relevant existing equipment (including the tank(s) to be removed), associated piping, and fuel dispensers
   - Area Roadways
   - Underground conduits, sewers water lines utilities
   - Existing wells; drinking, monitoring, etc.
   - Depth of ground water

3) The OFM must be notified a minimum of 48 hours, two (2) days prior to commencement of work in order to schedule a removal inspection. The removal inspection appointment **must be confirmed with the district inspector**. A representative of the OFM must be present at the time of removal.

4) A site specific Health and Safety Plan must be submitted for review and available at the job site. Underground Service Alert must be contacted at 800-642-2444 prior to the start of any excavation.

5) A Tank Closure Report must be submitted within 30 days of removal/closure operations completed, containing a general description of the closure activities indicating:
   - Description of tank, fittings and piping conditions. Size and former contents; notes any corrosion, pitting, holes. If any leak(s) are suspected from any tank an unauthorized Leak/Contamination Report form must be included.
   - Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water,

locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen.

- Detailed description of sampling methods, i.e. – backhoe bucket, drive sampler, bailer, bottles, sleeves.
- Description of any remedial measures conducted at the time of removal.
- To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depth, and tank and piping locations include a copy of the plot prepared for the Tank System Closure Plan Permit Application under item # 2).
- Chain of custody records.
- Copies of signed laboratory reports.
- Copies of TSDF to Generator manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.).
- Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

The Closure Report and conclusions are subject to critical review; and the report must be approved by the OFM to be recognized as valid.

6) An additional hourly fee will be charged for inspection time exceeding four (4) hours.

The listed items are general closure requirements, modifications may be necessary in certain situations. A deficient application or incomplete information will only cause a delay in the permit process, if you have any questions or need assistance call the OFM at (510) 238-3927. The Underground Storage Tank System Closure Permit **expires 365 days** from the approval date. If the tanks have not been closed/removed within **365 days**, a new closure permit application and fees are required. The closure/removal activities must be scheduled **48 hours** in advance.

Applicant Declaration:

I certify the application information is correct and factual. I declare that I have read and will follow the "procedures to Close Underground Storage tank(s) Systems." I further agree to comply with all applicable City of Oakland Ordinances; Fire Code; Health and Safety Code Chapter 6.7; Title 23, California Code of Regulations.

Applicant MICHAEL HOGAN Applicant _____ Date 10-16-13
Print Signature

"This box for OFM use only"

Comments_____

Inspectors Signature_____ Approval Date_____

Facility Owners:

Owner: Clark Beermann
Phone: 209-743-1463
Address: 2493 Technology Dr., Hayward, ca 94545

Owner: Reginal Tomasello
Phone: 408-280-6444
Address: 864 Race St., San Jose, CA 95126-3854

Owner: Lavergne Engdahl
Phone: 209-954-9925
Address: 3400 Wagner Heights Rd., Valley Oak #163, Stockton, CA 95209

State of California
State Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2121
(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in California Code of Regulations (CCR), Title 23, Division 3, Chapter 18, Section 2807,

[X] 500,000 dollars per occurrence or [ ] 1 million dollars per occurrence AND [X] 1 million dollars annual aggregate or [ ] 2 million dollars annual aggregate

B. Laverhne Engdahl *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
California Code of Regulations, Title 23, Division 3, Chapter 18, Article 3, Section 2807.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
State UST Fund	State UST Cleanup Fund P.O. Box 944212 Sacramento, CA 94244 2120	N/A for UST Cleanup Fund	$995,000 per Occurrence and Annual Aggregate	State UST Cleanup Fund Continuous	YES	YES
Chief Financial Officer Letter	Vacant Property 1501 Martin Luther Jr. Way Oakland, CA 94612	N/A for this mechanism	$5,000 per Occurrence and Annual Aggregate	Annual	YES	YES

Note:

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance and shall maintain compliance with all conditions for participation in the Fund. See instructions.

D. Facility Name	Facility Address
Vacant Property	1501 Martin Luther King Jr. Way Oakland, CA 94612
Facility Name	Facility Address
Facility Name	Facility Address

E. Signature of Tank Owner or Operator	Date	Name and Title of Tank Owner or Operator
Laverne Engdahl	1/1/13	Lavergne Engdahl, Property Owner
Signture of Witness or Notary	Date	Name of Witness or Notary
Diane E. Dewitt	1/10/13	

CFR (Revised 11/08) FILE: Original - Local Agency Copies - Facility/Site(s)

NOTE: **Effective July 1, 1995, California Small Businesses and California Businesses with 500 employees or less must demonstrate at least $5,000, exclusive of the UST Cleanup Fund, businesses with over 500 employees must demonstrate at least $10,000. (Chap. 6.75 H&SC, Sect. 25299.32)**

The Chief Financial Officer or the owner or operator must sign, under penalty of perjury, a letter worded EXACTLY as follows or you may complete this letter by filling in the blanks with appropriate information:

LETTER FROM CHIEF FINANCIAL OFFICER

I am the Chief Financial Officer for Vacant Property
(Business name, business address, and correspondence address of owner or operator)
1501 Martin Luther King Jr. Way, Oakland, CA 94612

This letter is in support of the use of the **Underground Storage Tank Cleanup Fund** to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by an unauthorized release of petroleum in the amount of at least $ 5,000 (Dollar Amount) per occurrence and $ 5,000 (Dollar Amount) annual aggregate coverage.

Underground storage tanks at the following facilities are assured by this letter:

Vacant Property, 1501 Martin Luther King Jr. Way, Oakland, CA 94612
(Name and address of each facility for which financial responsibility is being demonstrated.)

1.	Amount of annual aggregate coverage being assured by this letter.....	$_____
2.	Total tangible assets.....	$_____
3.	Total liabilities.....	$_____
4.	Tangible net worth (subtract line 3 from line 2. Line 4 must be at least 10 times line 1).....	$_____

I hereby certify that the wording of this letter is identical to the wording specified in subsection 2808.1(d)(1), Chapter 18, Division 3, Title 23 of the California Code of Regulations.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

Executed at _____
(Place of Execution)

On Sept. 18 2013
(Date)

Lavergne Engdahl
(Signature)

Lavergne Engdahl
(Printed Name)

Property Owner
(Title)

UST 02FR revised 4/95

State of California
State Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2121
(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in California Code of Regulations (CCR), Title 23, Division 3, Chapter 18, Section 2807,

[X] 500,000 dollars per occurrence
or
[ ] 1 million dollars per occurrence

AND

[X] 1 million dollars annual aggregate
or
[ ] 2 million dollars annual aggregate

B. Reginal Tomasello *hereby certifies that it is in compliance with the requirements of Section 2807,*
(Name of Tank Owner or Operator)
California Code of Regulations, Title 23, Division 3, Chapter 18, Article 3, Section 2807.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
State UST Fund	State UST Cleanup Fund P.O. Box 944212 Sacramento, CA 94244 2120	N/A for UST Cleanup Fund	$995,000 per Occurrence and Annual Aggregate	State UST Cleanup Fund Continuous	YES	YES
Chief Financial Officer Letter	Vacant Property 1501 Martin Luther Jr. Way Oakland, CA 94612	N/A for this mechanism	$5,000 per Occurrence and Annual Aggregate	Annual	YES	YES

Note:

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance and shall maintain compliance with all conditions for participation in the Fund. See instructions.

D. Facility Name	Facility Address
Vacant Property	1501 Martin Luther King Jr. Way Oakland, CA 94612
Facility Name	Facility Address
Facility Name	Facility Address
E. Signature of Tank Owner or Operator — Date: 10-1-13	Name and Title of Tank Owner or Operator: Reginal Tomasello, Property Owner
Signature of Witness or Notary — Date: 10-1-13	Name of Witness or Notary: RACHEL O'MARA

NOTE: **Effective July 1, 1995, California Small Businesses and California Businesses with 500 employees or less must demonstrate at least $5,000, exclusive of the UST Cleanup Fund, businesses with over 500 employees must demonstrate at least $10,000. (Chap. 6.75 H&SC, Sect. 25299.32)**

The Chief Financial Officer or the owner or operator must sign, under penalty of perjury, a letter worded EXACTLY as follows or you may complete this letter by filling in the blanks with appropriate information:

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Underground storage tanks at the following facilities are assured by this letter:

Vacant Property, 1501 Martin Luther King Jr. Way, Oakland, CA 94612
(Name and address of each facility for which financial responsibility is being demonstrated.)

1.	Amount of annual aggregate coverage being assured by this letter.....	$_____
2.	Total tangible assets.....	$_____
3.	Total liabilities.....	$_____
4.	Tangible net worth (subtract line 3 from line 2. Line 4 must be at least 10 times line 1).....	$_____

I hereby certify that the wording of this letter is identical to the wording specified in subsection 2808.1(d)(1), Chapter 18, Division 3, Title 23 of the California Code of Regulations.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

Executed at San Jose CA
(Place of Execution)

On 10-1-13
(Date)

Reginald Tomasella
(Signature)

Reginal Tomasello
(Printed Name)

Property Owner
(Title)

UST 02FR revised 4/95

State of California
State Water Resources Control Board
Division of Financial Assistance
P.O. Box 944212
Sacramento, CA 94244-2121
(Instructions on reverse side)

For State Use Only

CERTIFICATION OF FINANCIAL RESPONSIBILITY

FOR UNDERGROUND STORAGE TANKS CONTAINING PETROLEUM

A. I am required to demonstrate Financial Responsibility in the required amounts as specified in California Code of Regulations (CCR), Title 23, Division 3, Chapter 18, Section 2807,

[X] 500,000 dollars per occurrence or [ ] 1 million dollars per occurrence AND [X] 1 million dollars annual aggregate or [ ] 2 million dollars annual aggregate

B. Clark Beermann hereby certifies that it is in compliance with the requirements of Section 2807, *(Name of Tank Owner or Operator)*
California Code of Regulations, Title 23, Division 3, Chapter 18, Article 3, Section 2807.
The mechanisms used to demonstrate financial responsibility as required by Section 2807 are as follows:

C. Mechanism Type	Name and Address of Issuer	Mechanism Number	Coverage Amount	Coverage Period	Corrective Action	Third Party Comp
State UST Fund	State UST Cleanup Fund P.O. Box 944212 Sacramento, CA 94244 2120	N/A for UST Cleanup Fund	$995,000 per Occurrence and Annual Aggregate	State UST Cleanup Fund Continuous	YES	YES
Chief Financial Officer Letter	Vacant Property 1501 Martin Luther Jr. Way Oakland, CA 94612	N/A for this mechanism	$5,000 per Occurrence and Annual Aggregate	Annual	YES	YES

Note:

Note: If you are using the State Fund as any part of your demonstration of financial responsibility, your execution and submission of this certification also certifies that you are in compliance and shall maintain compliance with all conditions for participation in the Fund. See instructions.

D. Facility Name	Facility Address
Vacant Property	1501 Martin Luther King Jr. Way Oakland, CA 94612
Facility Name	Facility Address
Facility Name	Facility Address
E. Signature of Tank Owner or Operator / Date: 10-2-13	Name and Title of Tank Owner or Operator: Clark Beermann, Property Owner
Signture of Witness or Notary / Date: Linda Beermann	Name of Witness or Notary: Linda Beermann

NOTE: **Effective July 1, 1995, California Small Businesses and California Businesses with 500 employees or less must demonstrate at least $5,000, exclusive of the UST Cleanup Fund, businesses with over 500 employees must demonstrate at least $10,000. (Chap. 6.75 H&SC, Sect. 25299.32)**

The Chief Financial Officer or the owner or operator must sign, under penalty of perjury, a letter worded EXACTLY as follows or you may complete this letter by filling in the blanks with appropriate information:

LETTER FROM CHIEF FINANCIAL OFFICER

I am the Chief Financial Officer for Vacant Property
(Business name, business address, and correspondence address of owner or operator)

1501 Martin Luther King Jr. Way, Oakland, CA 94612

This letter is in support of the use of the **Underground Storage Tank Cleanup Fund** to demonstrate financial responsibility for taking corrective action and/or compensating third parties for bodily injury and property damage caused by an unauthorized release of petroleum in the amount of at least $ 5,000 (Dollar Amount) per occurrence and $ 5,000 (Dollar Amount) annual aggregate coverage.

Underground storage tanks at the following facilities are assured by this letter:

Vacant Property, 1501 Martin Luther King Jr. Way, Oakland, CA 94612
(Name and address of each facility for which financial responsibility is being demonstrated.)

1.	Amount of annual aggregate coverage being assured by this letter.....	$_____
2.	Total tangible assets.....	$_____
3.	Total liabilities.....	$_____
4.	Tangible net worth (subtract line 3 from line 2. Line 4 must be at least 10 times line 1).....	$_____

I hereby certify that the wording of this letter is identical to the wording specified in subsection 2808.1(d)(1), Chapter 18, Division 3, Title 23 of the California Code of Regulations.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge and belief.

Executed at Twain Harte CA
(Place of Execution)

On 10-2-13
(Date)

(Signature)

Clark Beermann
(Printed Name)

Property Owner
(Title)

UST 02FR revised 4/95

STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

CEECON TESTING INC

to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - GENERAL ENGINEERING CONTRACTOR
C10 - ELECTRICAL
C57 - WELL DRILLING (WATER)
HAZ - HAZARDOUS SUBSTANCES REMOVAL

Witness my hand and seal this day,

July 29, 2003

Issued March 8, 1990

Reissued July 28, 2003

SIGNATURE OF LICENSEE

SIGNATURE OF LICENSE QUALIFIER

This license is the property of the Registrar of Contractors, is not transferrable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.

Stephen P. Sands
Registrar of Contractors

Reassigned 589926

License Number

13L-24 (REV. 7-01) OSP 01 59448

AUDIT NO: 292745

UNDERGROUND STORAGE TANK SYSTEM CLOSURE PERMIT APPLICATION

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

1. Facility Name (Tank Site): VACANT PROPERTY Bldg. No.:

   Address: 1501 MARTIN LUTHER KING JR. WAY City: OAKLAND Zip: 94612

   EPA ID No. CAC002741956 Contact Person: FRANK HAMEDI Phone No.: (408) 297-1500

2. Tank Owner's Name: SEE ATTACHED LIST OF THREE OWNERS

   Address: City: Zip:

3. Tank Operator's Name: NONE

   Address: City: Zip:

4. Applicant's Name: MICHAEL HODGES / CEECON TESTING, INC.

   Address: 434 NORTH CANAL ST. #6 City: SOUTH SAN FRANCISCO Zip: 94080

   Contact Person: MICHAEL HODGES Phone No.: (650) 827-7474

5. Tank Closure Contractor Business Name: CEECON TESTING, INC

   (As registered with the Contractors State License Board at **www.cslb.ca.gov**)

   Address: 434 NORTH CANAL STREET, SUITE 6A City: SOUTH SAN FRANCISCO Zip: 94080

   CSLB License No.: 588926 Contact Person: MICHAEL HODGES Phone No.: (650) 827-7474

   Business License *(if required)*: ☐ on file; ☐ attached; ☐ not applicable

6. Firm that will take soil/water samples: ENVIRO SOIL TECH CONSULTANTS Phone No.: (408) 297-1500

7. State-certified laboratory that will analyze samples: TORRENT LABS Phone No.: (408) 263-5258

This box is for agency use only

Laboratory analyses shall test for:										
	TPHG	TPHD	BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, EDC (EPA 8260)	Organic Lead (DHS-LUFT)	O&G	Cl HC	Metals (Cd, Cr, Pb, Ni, Zn (ICAP or AA)	PCB, PCP, PNA, Creosote (EPA 8270)	pH	Other (Specify)
Tank 1										
Tank 2										
Tank 3										
Tank 4										
Tank 5										
Tank 6										

Additional analyses may be required by inspector in field.

UST System Closure Permit Application - p. 2 of 2 Tank Site Address (from page 1): 1501 MARTIN LUTHER KING JR WAY OAKLAND, CA 94612

8. Name of Licensed Transporter of Tanks: PENDING

EPA ID No.: _____ Phone No.: ( ) _____

9. Destination of Tanks and Piping: _____

10. Tank System: Size (gallons) Substance(s) Previously Contained

Tank 1 500 HEATING OIL / DIESEL

Tank 2 _____ _____

Tank 3 _____ _____

Tank 4 _____ _____

Tank 5 _____ _____

Tank 6 _____ _____

If the owner/operator does not have a current Hazardous Materials Business Plan (HMBP) which includes these tanks on file with the local agency, provide an 8-1/2" x 11" plot plan of the tanks to be closed. Indicate the nearest cross street to the facility, buildings immediately adjacent to the tanks, location(s) of tanks to be closed, and location of nearby utilities.

This Underground Tank Closure Permit expires 6 months from the date of application. If tanks have not been closed within 6 months, a new closure permit application and appropriate fees may be required.

Facility closure inspections must be scheduled at least 48 hours in advance. Call the appropriate local agency to make necessary arrangements.

I certify that I have read the tank closure guidelines and declare that the above information is correct to the best of my knowledge. The owner of the tank(s) described above is aware of the pending closure. I agree to comply with all applicable city and county ordinances and state laws relating to hazardous materials/wastes, and hereby authorize representatives of local agencies to enter upon the within mentioned property for inspection purposes.

MICHAEL HODGES — Applicant/Agent's Name (Print)

Applicant/Agent's Signature

OCT. 16TH, 2013 — Date

These boxes are for agency use only

THIS APPROVAL CONSTITUTES A PERMIT FOR REMOVAL OF THE ABOVE LISTED TANKS.

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

THIS CERTIFIES THAT ALL TANK SYSTEM CLOSURE ACTIVITIES ARE COMPLETE.*

Agency: _____ Date: _____

Print Name: _____ Sign Name: _____

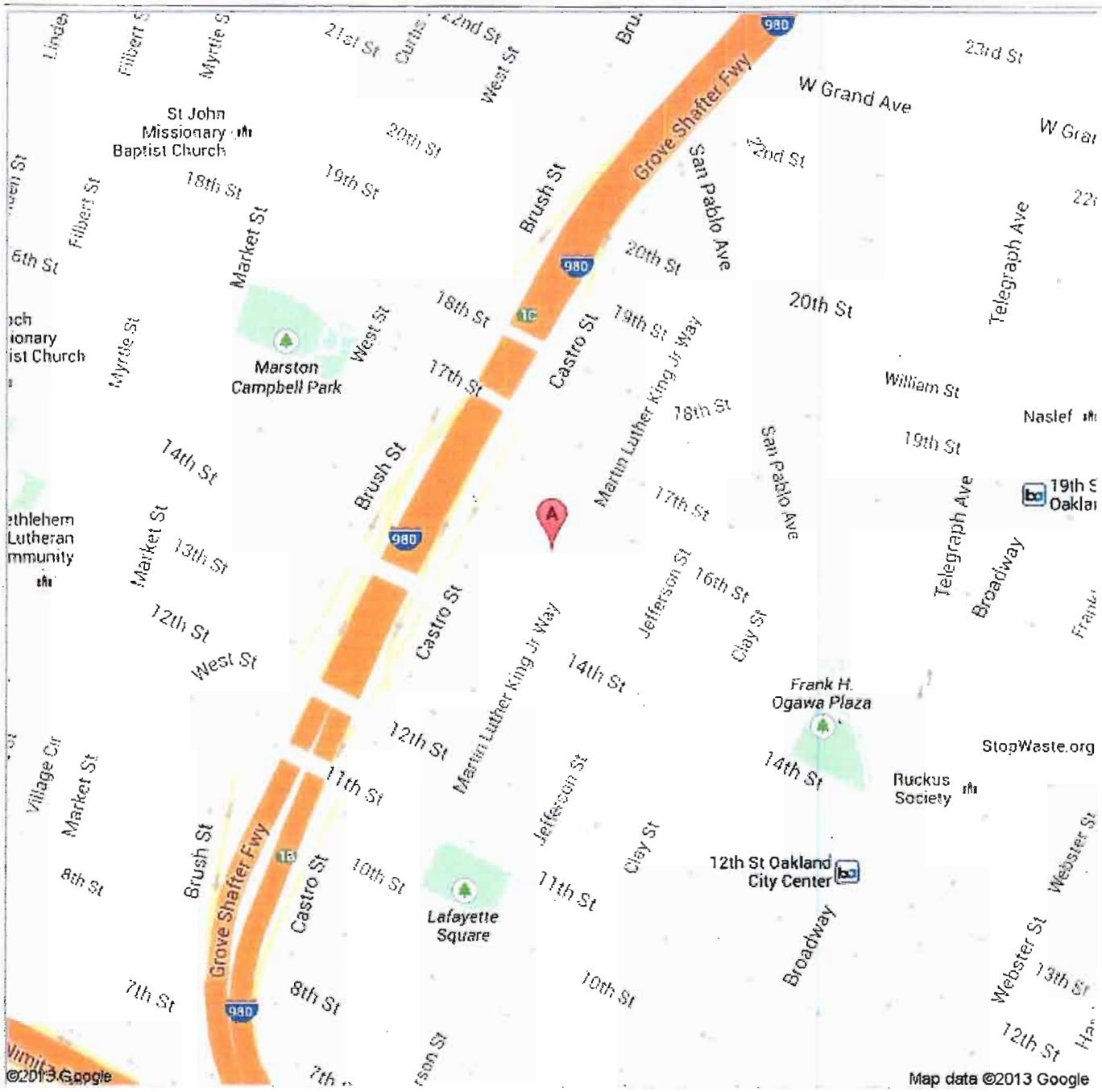
* If contamination of any detectable concentration is found, contact the leaking underground storage tank Local Oversight Program (LOP) and/or Regional Water Quality Control Board for cleanup and/or remediation requirements.

Facility Owners:

Owner: Clark Beermann
Phone: 209-743-1463
Address: 2493 Technology Dr., Hayward, ca 94545

Owner: Reginal Tomasello
Phone: 408-280-6444
Address: 864 Race St., San Jose, CA 95126-3854

Owner: Lavergne Engdahl
Phone: 209-954-9925
Address: 3400 Wagner Heights Rd., Valley Oak #163, Stockton, CA 95209

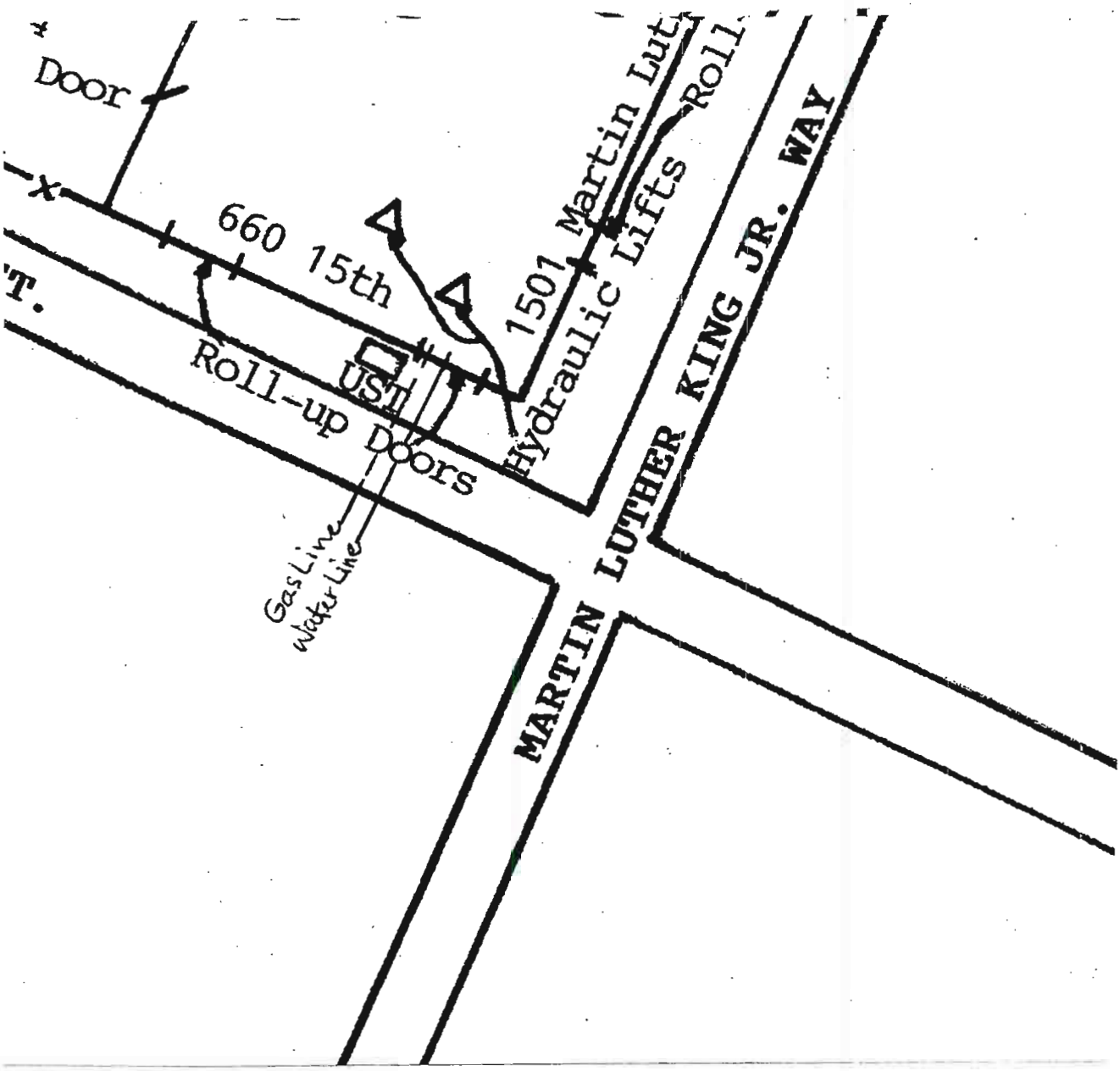


CEECON
CALIFORNIA ENVIRONMENTAL ENGINEERS & CONTRACTORS

Drawing: LM–1 Date: 9/16/13

500–Gallon UST Location Map

1501 Martin Luther King Jr. Way
Oakland, California



CEECON
CALIFORNIA ENVIRONMENTAL ENGINEERS & CONTRACTORS

Drawing: Site Map Date: 9/16/13

500-Gallon UST
Tank Location Map

1501 Martin Luther King Jr. Way
Oakland, California

HEALTH AND SAFETY PLAN
FOR THE PROPERTY
LOCATED AT
1501 MARTIN LUTHER KING Jr. WAY
OAKLAND, CALIFORIA

GENERAL:

This Health and Safety Plan (HSP) contains the minimum requirements for tank removal activities at the subject site. The field activities for tank removal include: removal of product, excavation, product lines, triple washing the tank, sampling rinsate, removing rinsate with a vacuum truck (or equivalent), removing the tank and proper disposal. All personnel and contractors will be required to strictly adhere to these HSP requirements.

The objective of the HSP plan is to describe procedures and actions to protect the worker, as well as unauthorized person, from inhalation and ingestion of, and direct skin contact with potentially hazardous materials that may be encountered at the site. The plan described (1) personnel responsibilities and (2) protective equipment to be used as deemed necessary when working on the site. At a minimum, all personnel working at the site must read and understand the requirements of this HSP. A copy of this HSP will be on-site, easily accessible to all staff and government field representatives.

PERSONNEL RESPONSIBILITIES:

The key personnel directly involved in the investigation will be responsible for monitoring the implementation of safe work practices and the provisions of this plan is CEECON Testing, Inc.'s project manager, Mr. Michael Hodges. Mr. Hodges is responsible for knowing the provisions of the plan, communicating plan requirements to workers under their supervision and regulatory agencies inspectors and for enforcing the plan.

The personnel-protective equipment will be selected to prevent field personnel from exposure to fuel hydrocarbons that may be present at the site. To prevent direct skin contact, the following protective clothing will be worn as appropriate while working at the site:

1. Tyvek coveralls.
2. Butyl rubber or disposable vinyl gloves.
3. Hardhat with optional face shield.
4. Steel toe boots.
5. Goggles or safety glasses.

The type of gloves used with the determined by the type of work being performed. Excavation and tank removal personnel will be required to wear butyl rubber gloves because they may have long duration contact with the subsurface materials. The triple washing (decontaminated) and vacuum truck crews shall wear butyl rubber gloves as they may have long duration contact with the rinsate. Enviro Soil Tech Consultants' sampling staff will wear disposable gloves when handling any sample. These gloves will be changed between each sample.

Tank removal personnel will be required to wear hard hats, and when appropriate, wear a protective face shield.

Personnel protective equipment shall be put on before entering the immediate work area. The sleeves of the overalls shall be outside of the cuffs of the gloves to facilitate removal of clothing with least potential contamination of personnel. If at any time protective clothing (coveralls, boots or gloves) become torn, wet or excessively soiled, it will be replaced immediately.

Total organic vapors will be monitored at the site with a portable PID and portable LEL meter. Should the total organic vapor content approach that of the threshold limit valve (TLV) for any of the substances listed in Table 1, appropriate safety measures will be implemented under the supervision of the site project engineer. These precautions include, but are not limited to, the following: (1) Donning of respirators (with appropriate cartridges) by site personnel, (2) forced ventilation of the site, (3) shutdown of work until such time as appropriate safety measures sufficient to insure the health and safety of site personnel can be implemented.

TABLE 1
THRESHOLD LIMIT VALUES
FOR
COMMON GASOLINE CONSTITUENTS

Benzene	10 ppm
Toluene	100 ppm
Ethylbenzene	100 ppm
Total Xylenes	100 ppm

No eating, drinking or smoking will be allowed in the vicinity of the tank removal operations. CEECON Testing, Inc. will designate a separate area on-site for eating and drinking. Smoking will not be allowed at the vicinity of the site except in designated areas. Field personnel will not be allowed to wear contact lenses.

WORK ZONES AND SECURITY MEASURES:

The project manager will call Underground Service Alert (USA), and the utilities will be marked before any excavation is conducted on-site, and excavation will be at a safe distance from the utilities. The client will also be advised to have a representative on-site to advise us in selecting locations of piping trenches with respect to utilities, underground or above ground structures. CEECON Testing, Inc. assumes no responsibility for utilities not so located. The excavation may be hand dug or by using small power tools. **All power tools, including those used to cut the UST, will be sparkles, air-driven tools.** An "air-knife" drill rig may be used to remove UST overburden after surface concrete is removed. Each of the areas where the tank or piping will be excavated will be designated as exclusion zones. Only essential personnel will be allowed into an exclusion zone. When it is practical and local topography allows, approximately 25 to 75 feet of space surrounding those exclusion zones will be designated as contamination reduction zones.

Cones, wooden barricades or a suitable alternative will be used to deny public access to these contamination reduction zones excavation area. The general public will not be allowed close to the work area under any conditions. If for any reason the safety of any member of the tank removal team or the public (e.g. motorists or pedestrians) may be endangered, work will cease until the situation is remedied. Cones and working signs will be used when necessary to redirect motorists or pedestrians.

LOCATION & PHONE NUMBERS OF EMERGENCY FACILITIES:

The fire department and hospital addresses and phone numbers are listed below:

City of Oakland	911
Alta Bates Summit Medical Center – Summit Campus 350 Hawthorne Avenue Oakland, CA 94609	(510) 665-4000

ADDITIONAL CONTINGENCY TELEPHONE NUMBERS:

Poison Control Center.....**(800) 523-2222**

CHEMTREC.....**(800) 424-9300**

CEECON Testing, Inc. .....**(415) 359-6453**

NOTE:

Only call CHEMTREC (that stands for Chemical Transportation Emergency Center), a public service of the Chemical Manufacture's Association. CHEMTREC can usually provide hazard information, warnings and guidance when given the identification number or the name of the product and the nature of the problem. CHEMTREC can also contact the appropriate experts.

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

(510) 238-3851
TTY (510) 238-6884

Fire/Life Safety System
Proceed With Installation Permit

Occupancy Mailing Address
UST Removal 1501 MLK
434 North Canal St., Ste. 6
S. San Francisco, CA 94080

Contractor
CEECON Testing Inc.
434 N.Canal St. Suite 6 San Francisco

Permit Ref #

Facility Address
1501 Martin Luther King Jr. WY Oakland CA 94612

UST REMOVAL

The C.U.P.A. **Tanks** for the **Underground Tank Permit** has been completed and the project/permit has been .

APPROVED projects may proceed with installation, following the detailed list of comments below:
DENIED projects shall have the items listed below corrected and plans must be resubmitted for further review:

Code	Requirements	Requirement Condition Status

To schedule/cancel an inspection, call 510-238-3851. Any inspection not cancelled prior to 4 pm on the previous bus day will be charged a fee equivalent to the 1-hr Inspection fee charge. *Occupancy is prohibited until all applicable provisions of the Fire Code have been met or when written approval is obtained by both building and fire official.*

Should you have any questions, please call (510) 238-3851 ~~or you may send e-mail to or send email to~~ cavila@oaklandnet.com

REVIEWED AND APPROVED
OAKLAND FIRE DEPARTMENT
BY: CA
TITLE: HAZMAT INSPECTOR
DATE: 10-28-13
ALL INSPECTIONS REQUIRE
48 HOURS NOTICE

Oakland Fire Department
Fire Prevention Bureau

Inspection Ref #: 2013-34570 Effective Date: 10/28/2013
Permit Ref #: Expires: 04/28/2014


TOW-AWAY
NO PARKING
SEC 22651 (M) C.V.C
FOR TOWED CAR CALL 238-3021
Application: OB131042
Number of days: 4
Number of spaces: 4
on-site tank removal.
Start: 12/02/13
End: 12/05/13
1501 M L KING JR WY
CITY OF OAKLAND

CEECON

December 3rd, 2013

Inspector Cesar Avila
Hazardous Materials Inspector II
City of Oakland
Oakland Fire Department
Fire Prevention Bureau
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, California 94612
[EMAIL: cavila@oaklandnet.com]

Subject: UNDERGROUND STORAGE TANK SYSTEM REMOVAL WORKPLAN **ADDENDUM** for 1501 Martin Luther King Jr. Way, Oakland, California 94612.

Mr. Avila -

Thank You for taking the time to discuss this project with us earlier today at the site of the Underground Storage Tank (UST) removal. As discussed on site, it appears that the size of the UST was larger than anticipated – 1,000 gallon capacity instead of the expected 500-gallon capacity. Therefore, two soil samples were collected; one beneath each end of the UST location. A composite soil sample of the stockpiled soil, largely sand, was also collected prior to backfilling this material, and a soil sample was also collected at the midpoint of the fuel line between the UST and what appears to have been an above ground dispenser location within the property building.

Additionally, the UST appears to have been used to store gasoline, rather than diesel or home heating oil. Therefore, the UST will not be cut up on site and recycled locally. The UST will be transported under a HAZARDOUS WASTE MANIFEST and transported by Ecology Control Industries (ECI) to their disposal facility at 255 Parr Boulevard, Richmond, California 94801. The Transporter EPA ID for ECI is CAD98203.173. The Facility EPA ID for ECI is CAD009466392. Please contact me directly if there are any questions.

Sincerely,
CEECON Testing, Inc.

Michael Hodges
President

Source Fuel / Product Type	Analytes	Analytical Method(s)	Comments
Gasoline	BTEX, naphthalene, MTBE, TBA (plus EDC, EDB for pre-1992 release)[1]	EPA 8260B/C	organic lead (GC-ECD) only if pre-1992 product is present
Jet A/JP5/JP8, Diesel #1 or #2, Fuel oil #1 or #2	BTEX, naphthalene, MTBE	EPA 8260B/C	MTBE[3]
Heavy Fuel Oils (bunker fuel, etc.)	BTEX, MTBE, naphthalene	EPA 8260B/C	MTBE[3]
	16 priority pollutant PAHs[2]	EPA 8270 SIM	
Waste (Used) Motor Oil	BTEX, naphthalene, chlorinated VOCs, MTBE, TBA	EPA 8260B/C	
	16 priority pollutant PAHs[2]	EPA 8270 SIM	
	Wear Metals: cadmium, chromium, nickel, lead, zinc	EPA 6010/6020 or EPA 7000/7010	Soil only

Notes:

BTEX	Benzene, toluene, ethylbenzene, and xylene
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane
Jet A	Commercial jet fuel
JP5	Jet Propellant 5, military jet fuel
JP8	Jet Propellant 8, military jet fuel
MTBE	Methyl *tertiary* butyl ether
PAH	Polycyclic aromatic hydrocarbon
TBA	t-Butyl alcohol
VOC	Volatile organic compound

1) Samples to be analyzed for lead scavengers EDC and EDB only if release is pre-1992. If age of release is unknown, analyze for both oxygenates (MTBE and TBA) and scavengers.
2) 16 priority pollutant PAHs = naphthalene, acenaphthene, acenaphthylene, anthracene, phenanthrene, fluorene, chrysene, fluoranthene, pyrene, benzo(b)fluoranthene, benzo(a) pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno(1,2,3-c,d)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene.
3) MTBE to be analyzed at all LUFT sites unless regulatory agency has determined that the tank contained only diesel or jet fuel per California Health & Safety Code (H&SC) §25296.15(a).

OAKLAND FIRE DEPARTMENT/FIRE PREVENTION BUREAU
HAZARDOUS MATERIALS UNIT

250 FRANK H. OGAWA PLAZA, SUITE 3341, OAKLAND, CA 94612-2032 • (510) 238-3927

HAZARDOUS MATERIALS INSPECTION REPORT

Site Number	Facility Name	Facility Address	Zip Code
	Vacant Warehouse	1501 MLK Jr Way.	94612

Inspection Report

☑ PERMISSION TO INSPECT GRANTED

Witnessed excavation and tank removal of an approximate 2000 Gal Gasoline tank. Tank is considered to be Hazardous Waste. Original work plan shall be modify to include correct size of tank found and to include store material (Gasoline).

Facility Contact/Print Name:	Inspected By:		
X FRANK HAMEDI-FARD	C. Avila	☐ AFM Griffin	238-7759
Facility Contact/Signature:	238-3927	☐ Insp. Matthews	238-2396
X	238-7054	☐ Insp. Skillern	238-7253
		☐ _____	238-3927
	Date: 12-3-13		

538-156 (10/10)

OAKLAND FIRE DEPARTMENT, OES
UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Site Address: 1501 MLK and 660 15th St.	Name of Facility: Vacant Bldng.
Inspector: C. Avila.	Contact on site: Michael Hodges
Date and Time of Arrival: 12-3-13 9:45 am	Contractor/Consultant: Frank Hamedi

General Requirements	Yes	No	N/A
Approved closure plan on site.	✓		
Changes to approved plan noted.	✓		
Residuals properly stored/transported.	✓		
Receipt for adequate dry ice noted.	✓		

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.	✓		
40B:C fire extinguisher on site.	✓		
"No Smoking" signs posted.	✓		
Gas detector challenged by inspector.		✓	

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	2000			
Material last stored Gasoline	?			
Dry ice used (pounds)	50			
Combustible gas concentration as %LEL. *(Note time & sampling point)*				
(1) 10:00 am	2%			
(2)				
(3)				
Oxygen concentration as % volume. *(Note time &sampling point.)*				
(1) 10:00 am	0.6%			
(2)				
(3)				
Tank Material	Steel			
Wrapping/Coating, if any	NONE			
Obvious holes?	YES			

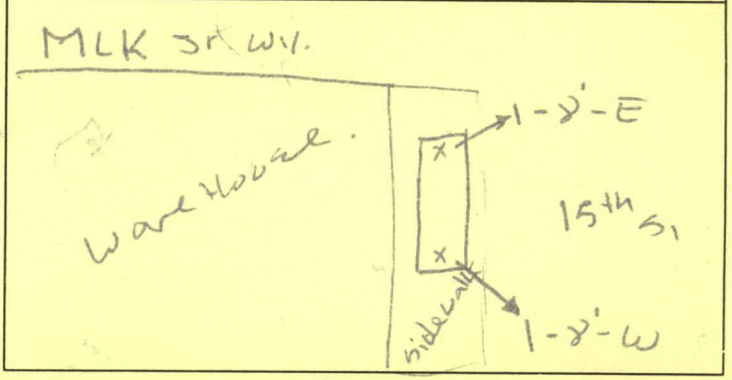
Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	YES			
Obvious odors from tank?	YES			
Seams intact?	YES			
Tank bed backfill material	YES			
Obvious discoloration?	YES			
Obvious odors ex tank bed?	YES			
Water in excavation?	NO			
Sheen/product on water?	N/A			
Tank tagged by transporter?	NO			
Tank wrapped for transport?	NO			
Tank plugged w/ vent cap?	YES			
Date/time tank hauled off?	N/A			
No. of soil samples taken?	2			
Depth of soil samples (ft. bgs)	8'			

Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?	✓		
Obvious holes on pipes?		NO	
Obvious odors from pipes?		✓	
Obvious soil discoloration in piping trench?		✓	
Obvious odors from piping trench?		✓	
Water in piping trench?		✓	
Number & depth of soil samples from piping trench?		0	
Number & depth of water samples from piping trench?		0	

General Observations	Yes	No	N/A
Leak from any tank suspected?	✓		
"Leak Report" form given to the operator?	✓		
Obviously contaminated soil excavated?	✓		
Soil stockpile sampled?	✓		
Stockpile lined AND covered?		✓	
Water in excavation sampled?			✓
Number/depth of water samples taken?		N/A	
All samples properly preserved for transport?			

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?	✓		
Sampling "chain of custody" noted?	✓		
Tank pit filled in or covered?	✓		
Tank pit fenced or barricaded?	✓		
Transporter a registered HW hauler?		✓	
Uniform HW Manifest completed?		✓	
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?		✓	
Date/Time removal/closure operations completed?		N/A	
OT hours or additional charges due from contractor?		N/A	

SITE & SAMPLING DIAGRAM



Notes/Comments: Stockpile (sandy soil) allowed to be used as fill in the excavation trench. Environmental Consultant Mr. Frank Hamedi will prepare a report once samples taken from the trench at 8 feet and stockpile composit sample results come back from the lab. Work plan shall be modify to include tank size, contents found during excavation.

OAKLAND FIRE DEPARTMENT, OES
UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Site Address: 1501 MLK and 660 15th St.	Name of Facility: Vacant Bldg
Inspector: C. Avila	Contact on site: Michael Hobbes
Date and Time of Arrival: 12-5-13 9:15am	Contractor/Consultant: Frank Hamerlin

General Requirements	Yes	No	N/A
Approved closure plan on site.	✓		
Changes to approved plan noted.	✓		
Residuals properly stored/transported.	✓		
Receipt for adequate dry ice noted.	✓		

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.	✓		
40B:C fire extinguisher on site.	✓		
"No Smoking" signs posted.	✓		
Gas detector challenged by inspector.		✓	

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	1000			
Material last stored	Gasoline			
Dry ice used (pounds)	50			
Combustible gas concentration as %LEL. *(Note time & sampling point)*				
(1) 12-5-13 9:45am	9%			
(2)				
(3)				
Oxygen concentration as % volume. *(Note time &sampling point.)*				
(1) 9:45am	20.01			
(2)				
(3)				
Tank Material	Steel			
Wrapping/Coating, if any	None			
Obvious holes?	NO			

Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	Yes			
Obvious odors from tank?	Yes			
Seams intact?	Yes			
Tank bed backfill material	Yes			
Obvious discoloration?	Yes			
Obvious odors ex tank bed?	Yes			
Water in excavation?	NO			
Sheen/product on water?	N/A			
Tank tagged by transporter?	Yes			
Tank wrapped for transport?	NO			
Tank plugged w/ vent cap?	Yes			
Date/time tank hauled off?	12/5/13	10:00 am		
No. of soil samples taken?	2			
Depth of soil samples (ft. bgs)	B1			

Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?	✓		
Obvious holes on pipes?		✓	
Obvious odors from pipes?		✓	
Obvious soil discoloration in piping trench?		✓	
Obvious odors from piping trench?		✓	
Water in piping trench?		✓	
Number & depth of soil samples from piping trench?		0	
Number & depth of water samples from piping trench?		0	

General Observations	Yes	No	N/A
Leak from any tank suspected?	✓		
"Leak Report" form given to the operator?	✓		
Obviously contaminated soil excavated?	✓		
Soil stockpile sampled?	✓		
Stockpile lined AND covered?		✓	
Water in excavation sampled?			✓
Number/depth of water samples taken?	N/A		
All samples properly preserved for transport?	✓		

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?	✓		
Sampling "chain of custody" noted?	✓		
Tank pit filled in or covered?	✓		
Tank pit fenced or barricaded?	✓		
Transporter a registered HW hauler?	✓		
Uniform HW Manifest completed?	✓		
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?	✓		
Date/Time removal/closure operations completed?		12-5-13 10:00 am	
OT hours or additional charges due from contractor?		0	

SITE & SAMPLING DIAGRAM

✓ 12-3-13 Soil Report.

Notes/Comments: This inspection Report serves as an addendum to inspection conducted on 12-3-13

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAC002741956		800-424-8300	007299289 JJK

5. Generator's Name and Mailing Address

CLARK R BEERMANN
P O BOX 787
TWAIN HARTE, CA 95380

Generator's Phone: 209-743-1483

Generator's Site Address (if different than mailing address)

1501 MARTIN LUTHER KING
OAKLAND, CA 94612

6. Transporter 1 Company Name: ECOLOGY CONTROL INDUSTRIES — U.S. EPA ID Number: CAD982030173

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address

ECOLOGY CONTROL INDUSTRIES
255 PARR BOULEVARD
RICHMOND, CA 94801

Facility's Phone: 510-235-1393

U.S. EPA ID Number: CAD009466392

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	500	P	512
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information

EC1 JOB # 52T4532 TANK # 34519

WEAR PROPER PPE WHEN HANDLING // WEIGHTS AND VOLUMES ARE APPROXIMATE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MICHAEL HODGES — Signature — Month 12 Day 5 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: BILL MAASKE — Signature — Month 12 Day 5 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H129			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: TOM SPENCE — Signature — Month 12 Day 5 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

File No. 6-13-858-SA
December 26, 2013

A P P E N D I X "D"

LABORATORY REPORTS

ENVIRO SOIL TECH CONSULTANTS

Northern California ACCUTEST LABORATORIES

12/26/13

Technical Report for

Enviro Soil Tech Consultants

1501 Martin Luther King Jr. Way, Oakland, CA

6-13-858-5A

Accutest Job Number: C31221

Sampling Date: 12/03/13

Report to:

Enviro Soil Tech Consultants
131 Tully Road
San Jose, CA 95111
info@envirosoiltech.com

ATTN: Frank Hamedi

Total number of pages in report: **44**

NELAP ACCREDITED TNI LABORATORY

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

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Sample Summary

Enviro Soil Tech Consultants

Job No: C31221

1501 Martin Luther King Jr. Way, Oakland, CA
Project No: 6-13-858-5A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C31221-1	12/03/13	10:20		12/04/13	SO	Soil	1-8-W
C31221-2	12/03/13	10:30		12/04/13	SO	Soil	1-8-E
C31221-3	12/03/13	10:45		12/04/13	SO	Soil	SP-1
C31221-4	12/03/13	10:50		12/04/13	SO	Soil	SP-2
C31221-5	12/03/13	10:55		12/04/13	SO	Soil	SP-3
C31221-6	12/03/13	11:00		12/04/13	SO	Soil	SP-4
C31221-7	12/03/13	00:00		12/04/13	SO	Soil	SP-(1-4)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C31221
Account: Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA
Collected: 12/03/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C31221-1	**1-8-W**					
Lead		2.4	1.8		mg/kg	SW846 6010B
C31221-2	**1-8-E**					
n-Butylbenzene		19300 J	21000	2100	ug/kg	SW846 8260B
sec-Butylbenzene		3020 J	21000	2100	ug/kg	SW846 8260B
Ethylbenzene		27200	21000	2100	ug/kg	SW846 8260B
Isopropylbenzene		4740 J	21000	2100	ug/kg	SW846 8260B
p-Isopropyltoluene		2390 J	21000	2100	ug/kg	SW846 8260B
Naphthalene		20100 J	21000	4100	ug/kg	SW846 8260B
n-Propylbenzene		21000	21000	2100	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene		174000	21000	4100	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene		43600	21000	4100	ug/kg	SW846 8260B
Toluene		15100 J	21000	2100	ug/kg	SW846 8260B
Xylene (total)		222000	41000	4100	ug/kg	SW846 8260B
TPH-GRO (C6-C10)		906	240	120	mg/kg	SW846 8015B
Lead		8.8	1.7		mg/kg	SW846 6010B
C31221-7	**SP-(1-4)**					
Methyl ethyl ketone [a]		560 J	1000	100	ug/kg	SW846 8260B
Lead		5.7	1.7		mg/kg	SW846 6010B

(a) 4:1 composite.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1-8-W		
Lab Sample ID:	C31221-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L29170.D	1	12/04/13	XB	n/a	n/a	VL921
Run #2							

	Initial Weight
Run #1	5.03 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	9.9	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.99	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.99	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	

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

Client Sample ID: 1-8-W
Lab Sample ID: C31221-1
Matrix: SO - Soil
Method: SW846 8260B
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Date Sampled: 12/03/13
Date Received: 12/04/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	0.99	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	0.99	ug/kg	
74-87-3	Methyl chloride	ND	5.0	0.99	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	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	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	9.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.99	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.99	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.99	ug/kg	
1330-20-7	Xylene (total)	ND	9.9	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

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

Client Sample ID:	1-8-W		
Lab Sample ID:	C31221-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		70-130%

(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
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1-8-W		
Lab Sample ID:	C31221-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK40938.D	1	12/05/13	TT	n/a	n/a	GJK1653
Run #2							

	Initial Weight
Run #1	5.01 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	113%		60-115%

(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

Client Sample ID:	1-8-W		
Lab Sample ID:	C31221-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
		Percent Solids:	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.4	1.8	mg/kg	1	12/06/13	12/12/13	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA3635
(2) Prep QC Batch: MP7092

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

RL = Reporting Limit

Report of Analysis

Client Sample ID: 1-8-E
Lab Sample ID: C31221-2
Matrix: SO - Soil
Method: SW846 8260B
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Date Sampled: 12/03/13
Date Received: 12/04/13
Percent Solids: n/a [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L29172.D	1	12/04/13	XB	n/a	n/a	VL921
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.09 g	5.0 ml	1.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	160000	41000	ug/kg	
71-43-2	Benzene	ND	21000	2100	ug/kg	
108-86-1	Bromobenzene	ND	21000	2100	ug/kg	
74-97-5	Bromochloromethane	ND	21000	2100	ug/kg	
75-27-4	Bromodichloromethane	ND	21000	2100	ug/kg	
75-25-2	Bromoform	ND	21000	2100	ug/kg	
104-51-8	n-Butylbenzene	19300	21000	2100	ug/kg	J
135-98-8	sec-Butylbenzene	3020	21000	2100	ug/kg	J
98-06-6	tert-Butylbenzene	ND	21000	2100	ug/kg	
108-90-7	Chlorobenzene	ND	21000	2100	ug/kg	
75-00-3	Chloroethane	ND	21000	4100	ug/kg	
67-66-3	Chloroform	ND	21000	2100	ug/kg	
95-49-8	o-Chlorotoluene	ND	21000	2100	ug/kg	
106-43-4	p-Chlorotoluene	ND	21000	2100	ug/kg	
56-23-5	Carbon tetrachloride	ND	21000	2100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	21000	2100	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	21000	2100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	21000	2100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	21000	5700	ug/kg	
106-93-4	1,2-Dibromoethane	ND	21000	2100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	21000	2100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	21000	2100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	21000	2100	ug/kg	
108-20-3	Di-Isopropyl ether	ND	21000	2100	ug/kg	
594-20-7	2,2-Dichloropropane	ND	21000	2100	ug/kg	
124-48-1	Dibromochloromethane	ND	21000	2100	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	21000	4100	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	21000	4500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	21000	2100	ug/kg	
541-73-1	m-Dichlorobenzene	ND	21000	2100	ug/kg	
95-50-1	o-Dichlorobenzene	ND	21000	2100	ug/kg	
106-46-7	p-Dichlorobenzene	ND	21000	2100	ug/kg	

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

Client Sample ID: 1-8-E
Lab Sample ID: C31221-2
Matrix: SO - Soil
Method: SW846 8260B
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Date Sampled: 12/03/13
Date Received: 12/04/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	21000	2100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	21000	2100	ug/kg	
100-41-4	Ethylbenzene	27200	21000	2100	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	21000	2100	ug/kg	
591-78-6	2-Hexanone	ND	82000	8200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	21000	4100	ug/kg	
98-82-8	Isopropylbenzene	4740	21000	2100	ug/kg	J
99-87-6	p-Isopropyltoluene	2390	21000	2100	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	82000	8200	ug/kg	
74-83-9	Methyl bromide	ND	21000	4100	ug/kg	
74-87-3	Methyl chloride	ND	21000	4100	ug/kg	
74-95-3	Methylene bromide	ND	21000	2100	ug/kg	
75-09-2	Methylene chloride	ND	82000	21000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	82000	8200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	21000	4100	ug/kg	
91-20-3	Naphthalene	20100	21000	4100	ug/kg	J
103-65-1	n-Propylbenzene	21000	21000	2100	ug/kg	
100-42-5	Styrene	ND	21000	2100	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	21000	2100	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	160000	41000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	21000	2100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	21000	2100	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	21000	2100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	21000	2100	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	21000	2100	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	21000	4100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	21000	2100	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	174000	21000	4100	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	43600	21000	4100	ug/kg	
127-18-4	Tetrachloroethylene	ND	21000	2500	ug/kg	
108-88-3	Toluene	15100	21000	2100	ug/kg	J
79-01-6	Trichloroethylene	ND	21000	2100	ug/kg	
75-69-4	Trichlorofluoromethane	ND	21000	4100	ug/kg	
75-01-4	Vinyl chloride	ND	21000	4100	ug/kg	
1330-20-7	Xylene (total)	222000	41000	4100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	102%		70-130%

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

Client Sample ID:	1-8-E		
Lab Sample ID:	C31221-2	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		70-130%

(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
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1-8-E		
Lab Sample ID:	C31221-2	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK40936.D	1	12/05/13	TT	n/a	n/a	GJK1653
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.13 g	5.0 ml	2.0 ul
Run #2			

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	906	240	120	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	114%		60-115%

(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

Client Sample ID:	1-8-E		
Lab Sample ID:	C31221-2	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
		Percent Solids:	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	8.8	1.7	mg/kg	1	12/06/13	12/12/13	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA3635
(2) Prep QC Batch: MP7092

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SP-(1-4)		
Lab Sample ID:	C31221-7	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L29171.D	1	12/04/13	XB	n/a	n/a	VL921
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2000	500	ug/kg	
71-43-2	Benzene	ND	250	25	ug/kg	
108-86-1	Bromobenzene	ND	250	25	ug/kg	
74-97-5	Bromochloromethane	ND	250	25	ug/kg	
75-27-4	Bromodichloromethane	ND	250	25	ug/kg	
75-25-2	Bromoform	ND	250	25	ug/kg	
104-51-8	n-Butylbenzene	ND	250	25	ug/kg	
135-98-8	sec-Butylbenzene	ND	250	25	ug/kg	
98-06-6	tert-Butylbenzene	ND	250	25	ug/kg	
108-90-7	Chlorobenzene	ND	250	25	ug/kg	
75-00-3	Chloroethane	ND	250	50	ug/kg	
67-66-3	Chloroform	ND	250	25	ug/kg	
95-49-8	o-Chlorotoluene	ND	250	25	ug/kg	
106-43-4	p-Chlorotoluene	ND	250	25	ug/kg	
56-23-5	Carbon tetrachloride	ND	250	25	ug/kg	
75-34-3	1,1-Dichloroethane	ND	250	25	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	250	25	ug/kg	
563-58-6	1,1-Dichloropropene	ND	250	25	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70	ug/kg	
106-93-4	1,2-Dibromoethane	ND	250	25	ug/kg	
107-06-2	1,2-Dichloroethane	ND	250	25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	250	25	ug/kg	
142-28-9	1,3-Dichloropropane	ND	250	25	ug/kg	
108-20-3	Di-Isopropyl ether	ND	250	25	ug/kg	
594-20-7	2,2-Dichloropropane	ND	250	25	ug/kg	
124-48-1	Dibromochloromethane	ND	250	25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	250	50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	250	55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	250	25	ug/kg	
541-73-1	m-Dichlorobenzene	ND	250	25	ug/kg	
95-50-1	o-Dichlorobenzene	ND	250	25	ug/kg	
106-46-7	p-Dichlorobenzene	ND	250	25	ug/kg	

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

Client Sample ID: SP-(1-4)
Lab Sample ID: C31221-7
Matrix: SO - Soil
Method: SW846 8260B
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Date Sampled: 12/03/13
Date Received: 12/04/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	250	25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	250	25	ug/kg	
100-41-4	Ethylbenzene	ND	250	25	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	250	25	ug/kg	
591-78-6	2-Hexanone	ND	1000	100	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	50	ug/kg	
98-82-8	Isopropylbenzene	ND	250	25	ug/kg	
99-87-6	p-Isopropyltoluene	ND	250	25	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1000	100	ug/kg	
74-83-9	Methyl bromide	ND	250	50	ug/kg	
74-87-3	Methyl chloride	ND	250	50	ug/kg	
74-95-3	Methylene bromide	ND	250	25	ug/kg	
75-09-2	Methylene chloride	ND	1000	250	ug/kg	
78-93-3	Methyl ethyl ketone	560	1000	100	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	250	50	ug/kg	
91-20-3	Naphthalene	ND	250	50	ug/kg	
103-65-1	n-Propylbenzene	ND	250	25	ug/kg	
100-42-5	Styrene	ND	250	25	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	250	25	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	2000	500	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	250	25	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	25	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	250	25	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	250	25	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	250	50	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	250	25	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	250	50	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	50	ug/kg	
127-18-4	Tetrachloroethylene	ND	250	30	ug/kg	
108-88-3	Toluene	ND	250	25	ug/kg	
79-01-6	Trichloroethylene	ND	250	25	ug/kg	
75-69-4	Trichlorofluoromethane	ND	250	50	ug/kg	
75-01-4	Vinyl chloride	ND	250	50	ug/kg	
1330-20-7	Xylene (total)	ND	500	50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	97%		70-130%

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

Client Sample ID:	SP-(1-4)		
Lab Sample ID:	C31221-7	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		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
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SP-(1-4)		
Lab Sample ID:	C31221-7	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK40937.D	1	12/05/13	TT	n/a	n/a	GJK1653
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.22 g	5.0 ml	100 ul
Run #2			

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.8	2.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	117% [b]		60-115%

(a) All results reported on a wet weight basis.
(b) Outside of in-house control limits; but within method acceptance limits.

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

Client Sample ID:	SP-(1-4)		
Lab Sample ID:	C31221-7	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/04/13
		Percent Solids:	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.7	1.7	mg/kg	1	12/06/13	12/12/13	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA3635
(2) Prep QC Batch: MP7092

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

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GSTCASJ53CR

CHAIN OF CUSTODY RECORD

C31221

PROJ. NO.	NAME
6-13-858-SA	1501 Martin Luther King Jr. Way, Oakland

SAMPLERS: (*Signature*)

NO.	DATE	TIME	SOIL	WATER	AIR	LOCATION	CON-TAINER	TPH-g (8015M)	EPA 8260B*	Total lead		lab #		REMARKS
1	12/03/13	1020	✓			1-8-W	1	✓	✓	✓		1		*Full list
2		1030	✓			1-8-E	1	✓	✓	✓		2		
3		1045	✓			SP-1	1					3		Please composit these 4 samples into 1 sample and label them as SP-1,2,3,4
4		1050	✓			SP-2	1	✓	✓	✓		4		
5		1055	✓			SP-3	1				(7)	5		
6	↓	1102	✓			SP-4	1					6		

Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)
	12/03/13 1004		12/4/13 1004			
Relinquished by: (*Signature*)	Dated/Time	Received by: (*Signature*)	Date/Time	Relinquished by: (*Signature*)	Date/Time	Received by: (*Signature*)
	12/4/13 1638		12/4/13 1041			
Relinquished by: (*Signature*)	Date/Time	Received for Laboratory by: (*Signature*)	Date/Time	**Remarks:** Please send lab report to Frank Hamedi. Note: Please send back the soil samples to our office when job is done.		

ENVIRO SOIL TECH CONSULTANTS
Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

Temp: 5.3 - 1.5 = 3.8°C

NV

C31221: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C31221 **Client:** ENVIRO SOIL TECH CONSULTANTS **Project:** 1501 MARTIN LUTHER KING. JR. WAY, Oakland,

Date / Time Received: 12/4/2013 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (5.3/3.8); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR1 Plastic;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☐		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☑		☐	☐
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C31221: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

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: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-MB	L29157.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-MB	L29157.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	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	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%

Method Blank Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-MB	L29157.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	88%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-BS	L29154.D	1	12/04/13	XB	n/a	n/a	VL921
VL921-BSD	L29155.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	139	87	125	78	11	62-130/24
71-43-2	Benzene	40	40.6	102	39.1	98	4	81-119/20
108-86-1	Bromobenzene	40	43.0	108	45.5	114	6	79-120/22
74-97-5	Bromochloromethane	40	41.1	103	41.3	103	0	81-120/19
75-27-4	Bromodichloromethane	40	40.8	102	37.2	93	9	79-124/20
75-25-2	Bromoform	40	46.7	117	45.9	115	2	76-128/21
104-51-8	n-Butylbenzene	40	39.3	98	38.2	96	3	79-123/26
135-98-8	sec-Butylbenzene	40	38.6	97	38.7	97	0	77-122/24
98-06-6	tert-Butylbenzene	40	40.5	101	41.9	105	3	77-121/23
108-90-7	Chlorobenzene	40	40.0	100	38.8	97	3	82-121/20
75-00-3	Chloroethane	40	42.5	106	41.2	103	3	80-126/21
67-66-3	Chloroform	40	37.6	94	38.7	97	3	82-123/20
95-49-8	o-Chlorotoluene	40	40.4	101	45.2	113	11	78-125/25
106-43-4	p-Chlorotoluene	40	34.7	87	39.3	98	12	75-125/26
56-23-5	Carbon tetrachloride	40	41.3	103	39.7	99	4	82-127/22
75-34-3	1,1-Dichloroethane	40	42.1	105	38.7	97	8	80-123/20
75-35-4	1,1-Dichloroethylene	40	39.3	98	36.1	90	8	76-123/19
563-58-6	1,1-Dichloropropene	40	41.4	104	38.7	97	7	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	35.6	89	34.1	85	4	64-133/23
106-93-4	1,2-Dibromoethane	40	41.1	103	40.2	101	2	80-120/20
107-06-2	1,2-Dichloroethane	40	37.8	95	36.0	90	5	76-132/21
78-87-5	1,2-Dichloropropane	40	38.1	95	36.8	92	3	80-121/20
142-28-9	1,3-Dichloropropane	40	43.3	108	37.4	94	15	78-120/20
108-20-3	Di-Isopropyl ether	40	40.8	102	37.0	93	10	78-126/19
594-20-7	2,2-Dichloropropane	40	37.6	94	41.4	104	10	77-132/22
124-48-1	Dibromochloromethane	40	44.1	110	42.7	107	3	76-121/21
75-71-8	Dichlorodifluoromethane	40	53.9	135	47.6	119	12	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	40.1	100	43.3	108	8	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	49.9	125* [a]	40.5	101	21	81-124/21
541-73-1	m-Dichlorobenzene	40	40.3	101	39.2	98	3	79-123/23
95-50-1	o-Dichlorobenzene	40	39.8	100	38.8	97	3	79-124/22
106-46-7	p-Dichlorobenzene	40	43.5	109	42.3	106	3	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	41.6	104	38.2	96	9	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	46.4	116	37.8	95	20	81-123/22
100-41-4	Ethylbenzene	40	41.4	104	40.6	102	2	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	40.4	101	42.3	106	5	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-BS	L29154.D	1	12/04/13	XB	n/a	n/a	VL921
VL921-BSD	L29155.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	171	107	131	82	26* [a]	68-139/24
87-68-3	Hexachlorobutadiene	40	46.7	117	44.6	112	5	81-126/32
98-82-8	Isopropylbenzene	40	40.3	101	40.3	101	0	81-122/22
99-87-6	p-Isopropyltoluene	40	39.4	99	38.2	96	3	81-121/23
108-10-1	4-Methyl-2-pentanone	160	183	114	156	98	16	74-136/23
74-83-9	Methyl bromide	40	48.0	120	47.9	120	0	82-124/20
74-87-3	Methyl chloride	40	47.0	118	44.4	111	6	60-132/26
74-95-3	Methylene bromide	40	42.3	106	39.2	98	8	82-120/20
75-09-2	Methylene chloride	40	40.4	101	37.8	95	7	75-119/20
78-93-3	Methyl ethyl ketone	160	146	91	154	96	5	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	39.9	100	36.6	92	9	79-127/19
91-20-3	Naphthalene	40	42.5	106	41.6	104	2	78-125/23
103-65-1	n-Propylbenzene	40	36.2	91	41.1	103	13	79-124/22
100-42-5	Styrene	40	43.5	109	42.9	107	1	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	38.4	96	37.0	93	4	80-127/20
75-65-0	Tert Butyl Alcohol	200	193	97	171	86	12	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	43.3	108	42.9	107	1	82-123/21
71-55-6	1,1,1-Trichloroethane	40	38.9	97	36.8	92	6	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	38.2	96	40.6	102	6	77-126/20
79-00-5	1,1,2-Trichloroethane	40	46.1	115	38.2	96	19	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	45.0	113	44.2	111	2	81-122/26
96-18-4	1,2,3-Trichloropropane	40	38.2	96	43.3	108	13	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	44.3	111	43.6	109	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	41.1	103	44.6	112	8	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	41.9	105	46.8	117	11	81-123/23
127-18-4	Tetrachloroethylene	40	46.7	117	44.6	112	5	80-125/25
108-88-3	Toluene	40	48.7	122* [a]	40.8	102	18	80-117/21
79-01-6	Trichloroethylene	40	41.3	103	40.1	100	3	81-122/20
75-69-4	Trichlorofluoromethane	40	43.5	109	40.7	102	7	77-133/22
75-01-4	Vinyl chloride	40	42.1	105	41.9	105	0	71-133/23
1330-20-7	Xylene (total)	120	122	102	120	100	2	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	87%	86%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-BS	L29154.D	1	12/04/13	XB	n/a	n/a	VL921
VL921-BSD	L29155.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	109%	96%	70-130%
460-00-4	4-Bromofluorobenzene	91%	103%	70-130%

(a) Outside of in-house control limits; but within method acceptance limits.

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL921-LCS	L29156.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

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

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	82%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31221-7MS	L29173.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7MSD	L29174.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7 [a]	L29171.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	C31221-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		8000	7330	92	6450	81	13	62-130/24
71-43-2	Benzene	ND		2000	2100	105	2030	102	3	81-119/20
108-86-1	Bromobenzene	ND		2000	2300	115	2130	107	8	79-120/22
74-97-5	Bromochloromethane	ND		2000	2100	105	2130	107	1	81-120/19
75-27-4	Bromodichloromethane	ND		2000	2260	113	2010	101	12	79-124/20
75-25-2	Bromoform	ND		2000	2060	103	2040	102	1	76-128/21
104-51-8	n-Butylbenzene	ND		2000	1910	96	1880	94	2	79-123/26
135-98-8	sec-Butylbenzene	ND		2000	2050	103	2010	101	2	77-122/24
98-06-6	tert-Butylbenzene	ND		2000	2180	109	2040	102	7	77-121/23
108-90-7	Chlorobenzene	ND		2000	2160	108	2070	104	4	82-121/20
75-00-3	Chloroethane	ND		2000	2050	103	1920	96	7	80-126/21
67-66-3	Chloroform	ND		2000	2030	102	1830	92	10	82-123/20
95-49-8	o-Chlorotoluene	ND		2000	2280	114	2120	106	7	78-125/25
106-43-4	p-Chlorotoluene	ND		2000	2090	105	1930	97	8	75-125/26
56-23-5	Carbon tetrachloride	ND		2000	2040	102	1900	95	7	82-127/22
75-34-3	1,1-Dichloroethane	ND		2000	2000	100	1910	96	5	80-123/20
75-35-4	1,1-Dichloroethylene	ND		2000	2020	101	1800	90	12	76-123/19
563-58-6	1,1-Dichloropropene	ND		2000	2090	105	1920	96	8	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		2000	1550	78	1640	82	6	64-133/23
106-93-4	1,2-Dibromoethane	ND		2000	2070	104	2040	102	1	80-120/20
107-06-2	1,2-Dichloroethane	ND		2000	1950	98	1950	98	0	76-132/21
78-87-5	1,2-Dichloropropane	ND		2000	2230	112	2030	102	9	80-121/20
142-28-9	1,3-Dichloropropane	ND		2000	2050	103	2030	102	1	78-120/20
108-20-3	Di-Isopropyl ether	ND		2000	1970	99	1800	90	9	78-126/19
594-20-7	2,2-Dichloropropane	ND		2000	1840	92	1660	83	10	77-132/22
124-48-1	Dibromochloromethane	ND		2000	2120	106	2060	103	3	76-121/21
75-71-8	Dichlorodifluoromethane	ND		2000	2370	119	2270	114	4	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		2000	2100	105	1880	94	11	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		2000	2240	112	2040	102	9	81-124/21
541-73-1	m-Dichlorobenzene	ND		2000	2130	107	2070	104	3	79-123/23
95-50-1	o-Dichlorobenzene	ND		2000	2080	104	2070	104	0	79-124/22
106-46-7	p-Dichlorobenzene	ND		2000	2140	107	2060	103	4	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		2000	2080	104	1940	97	7	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		2000	2050	103	2020	101	1	81-123/22
100-41-4	Ethylbenzene	ND		2000	2140	107	2020	101	6	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		2000	2010	101	1960	98	3	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31221-7MS	L29173.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7MSD	L29174.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7 [a]	L29171.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	C31221-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		8000	7130	89	7230	90	1	68-139/24
87-68-3	Hexachlorobutadiene	ND		2000	2230	112	1920	96	15	81-126/32
98-82-8	Isopropylbenzene	ND		2000	2150	108	2060	103	4	81-122/22
99-87-6	p-Isopropyltoluene	ND		2000	2050	103	2000	100	2	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		8000	8310	104	7910	99	5	74-136/23
74-83-9	Methyl bromide	ND		2000	2380	119	2260	113	5	82-124/20
74-87-3	Methyl chloride	ND		2000	2320	116	2170	109	7	60-132/26
74-95-3	Methylene bromide	ND		2000	2220	111	2030	102	9	82-120/20
75-09-2	Methylene chloride	ND		2000	2010	101	1940	97	4	75-119/20
78-93-3	Methyl ethyl ketone	560	J	8000	7500	87	7650	89	2	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		2000	1990	100	1920	96	4	79-127/19
91-20-3	Naphthalene	ND		2000	2010	101	1820	91	10	78-125/23
103-65-1	n-Propylbenzene	ND		2000	2180	109	1970	99	10	79-124/22
100-42-5	Styrene	ND		2000	2210	111	2130	107	4	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		2000	1910	96	2030	102	6	80-127/20
75-65-0	Tert Butyl Alcohol	ND		10000	8640	86	8360	84	3	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		2000	2120	106	2090	105	1	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		2000	1890	95	1900	95	1	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	2100	105	1950	98	7	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		2000	2090	105	2060	103	1	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		2000	2160	108	1920	96	12	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		2000	1840	92	1870	94	2	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		2000	2150	108	1930	97	11	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		2000	2150	108	2020	101	6	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		2000	2230	112	2020	101	10	81-123/23
127-18-4	Tetrachloroethylene	ND		2000	2140	107	2060	103	4	80-125/25
108-88-3	Toluene	ND		2000	2170	109	2080	104	4	80-117/21
79-01-6	Trichloroethylene	ND		2000	2070	104	2000	100	3	81-122/20
75-69-4	Trichlorofluoromethane	ND		2000	2120	106	1970	99	7	77-133/22
75-01-4	Vinyl chloride	ND		2000	1630	82	1460	73	11	71-133/23
1330-20-7	Xylene (total)	ND		6000	6570	110	6260	104	5	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C31221-7	Limits
1868-53-7	Dibromofluoromethane	91%	95%	90%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31221-7MS	L29173.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7MSD	L29174.D	1	12/04/13	XB	n/a	n/a	VL921
C31221-7 [a]	L29171.D	1	12/04/13	XB	n/a	n/a	VL921

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31221-1, C31221-2, C31221-7

CAS No.	Surrogate Recoveries	MS	MSD	C31221-7	Limits
2037-26-5	Toluene-D8	98%	98%	97%	70-130%
460-00-4	4-Bromofluorobenzene	94%	95%	97%	70-130%

(a) 4:1 composite.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC 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: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1653-MB	JK40930.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/kg	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	117%*	60-115%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1653-BS	JK40931.D	1	12/05/13	TT	n/a	n/a	GJK1653
GJK1653-BSD	JK40932.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.5	0.462	92	0.477	95	3	76-127/32

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	106%	108%	60-115%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31221
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31239-1MS	JK40942.D	1	12/05/13	TT	n/a	n/a	GJK1653
C31239-1MSD	JK40943.D	1	12/05/13	TT	n/a	n/a	GJK1653
C31239-1	JK40933.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31221-1, C31221-2, C31221-7

CAS No.	Compound	C31239-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.527	0.293	56* [a]	0.301	58* [a]	3	76-127/32

CAS No.	Surrogate Recoveries	MS	MSD	C31239-1	Limits
98-08-8	aaa-Trifluorotoluene	94%	79%	80%	60-115%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C31221
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7092
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/05/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087		
Arsenic	2.0	.07	.07		
Barium	20	.04	.035		
Beryllium	1.0	.02	.012		
Boron	10	.09	.2		
Cadmium	1.0	.02	.015		
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054		
Cobalt	1.0	.02	.022		
Copper	2.5	.12	.19		
Iron	20	.64	1.6		
Lead	2.0	.07	.054	0.14	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024		
Nickel	1.0	.02	.024		
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23		
Silicon		.12			
Silver	1.0	.03	.044		
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073		
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025		
Zinc	2.0	.03	.098		

Associated samples MP7092: C31221-1, C31221-2, C31221-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C31221
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7092
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/05/13

Metal	C31253-1 Original	MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron					
Lead	7.4	51.2	48.6	90.2	75-125
Magnesium					
Manganese					
Molybdenum	anr				
Nickel	anr				
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP7092: C31221-1, C31221-2, C31221-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C31221
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7092 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/05/13

Metal	C31253-1 Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	7.4	50.8	47.7	90.9	0.8	20
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP7092: C31221-1, C31221-2, C31221-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C31221
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7092
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/05/13

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron				
Lead	45.4	50	90.8	80-120
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7092: C31221-1, C31221-2, C31221-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C31221
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7092
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 12/05/13

Metal	C31253-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron				
Lead	73.9	105	41.5*(a)	0-10
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7092: C31221-1, C31221-2, C31221-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

Northern California ACCUTEST LABORATORIES

12/26/13

Technical Report for

Enviro Soil Tech Consultants

1501 Martin Luther King Jr. Way, Oakland, CA

6-13-858-5A

Accutest Job Number: C31255

Sampling Date: 12/03/13

Report to:

Enviro Soil Tech Consultants
131 Tully Road
San Jose, CA 95111
info@envirosoiltech.com

ATTN: Frank Hamedi

Total number of pages in report: **34**

NELAP ACCREDITED TNI LABORATORY

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

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD ELAP (L-A-B L2242)

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Sample Summary

Enviro Soil Tech Consultants

Job No: C31255

1501 Martin Luther King Jr. Way, Oakland, CA
Project No: 6-13-858-5A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
C31255-1	12/03/13	14:35	FH	12/05/13	SO	Soil	1-2-P

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C31255
Account: Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA
Collected: 12/03/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C31255-1	**1-2-P**					
Lead		9.0	1.8		mg/kg	SW846 6010B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1-2-P		
Lab Sample ID:	C31255-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/05/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L29198.D	1	12/05/13	XB	n/a	n/a	VL922
Run #2							

	Initial Weight
Run #1	5.09 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	39	9.8	ug/kg	
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.49	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	0.49	ug/kg	
75-25-2	Bromoform	ND	4.9	0.49	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	0.49	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	0.49	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.49	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.98	ug/kg	
67-66-3	Chloroform	ND	4.9	0.49	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.49	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	0.49	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	0.49	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	0.49	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	0.49	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	0.49	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.49	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.9	0.49	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	0.49	ug/kg	
124-48-1	Dibromochloromethane	ND	4.9	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.98	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	0.49	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.49	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.49	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.49	ug/kg	

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

Client Sample ID:	1-2-P		
Lab Sample ID:	C31255-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/05/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.9	0.49	ug/kg	
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	0.98	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	0.49	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	4.9	0.98	ug/kg	
74-87-3	Methyl chloride	ND	4.9	0.98	ug/kg	
74-95-3	Methylene bromide	ND	4.9	0.49	ug/kg	
75-09-2	Methylene chloride	ND	20	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	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	
103-65-1	n-Propylbenzene	ND	4.9	0.49	ug/kg	
100-42-5	Styrene	ND	4.9	0.49	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.9	0.49	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	39	9.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	0.49	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	0.98	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.49	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	0.59	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	0.49	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.98	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	0.98	ug/kg	
1330-20-7	Xylene (total)	ND	9.8	0.98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

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

Client Sample ID:	1-2-P		
Lab Sample ID:	C31255-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/05/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		70-130%

(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
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1-2-P		
Lab Sample ID:	C31255-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/05/13
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK40951.D	1	12/06/13	TT	n/a	n/a	GJK1653
Run #2							

	Initial Weight
Run #1	5.38 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.093	0.046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	113%		60-115%

(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

Client Sample ID:	1-2-P		
Lab Sample ID:	C31255-1	**Date Sampled:**	12/03/13
Matrix:	SO - Soil	**Date Received:**	12/05/13
		Percent Solids:	n/a [a]
Project:	1501 Martin Luther King Jr. Way, Oakland, CA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	9.0	1.8	mg/kg	1	12/10/13	12/14/13	RS	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA3638
(2) Prep QC Batch: MP7101

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

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ESTCASJ5302

C31255

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
6-13-858-SA	1501 Martin Luther King Jr. Way, Oakland

SAMPLERS: (Signature)

NO.	DATE	TIME	SOIL	WATER	LOCATION	CON-TAINER	ANYALYSES REQUESTED: TPHg (8015M)	EPA 8260B*	Total Lead				REMARKS
1	12/03/13	1435	✓		1-2-P	1	✓	✓	✓				* Full list
													Note: Please send ~~back~~ back soil sample to our office when job is done.
													TEMP = 9.7 - 1.5 = 8.2°C

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquinshed by: (Signature)	Date/Time	Received by: (Signature)
	12/5/13 1600	Lee Ramos	12/5/13 1600			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks: Please send lab report to Frank Hamedi		

ENVIRO SOIL TECH CONSULTANTS
Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

C31255: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C31255 **Client:** ENVIRO SOIL TECH CONSULTANTS **Project:** 1501 MARTIN LUTHER KING JR WAY, Oakland, C

Date / Time Received: 12/5/2013 **Delivery Method:** Client **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (9.7/8.2); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☑
2. Cooler temp verification:	IR1 Plastic;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☐		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C31255: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

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: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-MB	L29185.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-MB	L29185.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	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	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	70-130%

Method Blank Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-MB	L29185.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	81%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-BS	L29182.D	1	12/05/13	XB	n/a	n/a	VL922
VL922-BSD	L29183.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	134	84	151	94	12	62-130/24
71-43-2	Benzene	40	43.6	109	39.6	99	10	81-119/20
108-86-1	Bromobenzene	40	43.7	109	40.4	101	8	79-120/22
74-97-5	Bromochloromethane	40	44.6	112	41.2	103	8	81-120/19
75-27-4	Bromodichloromethane	40	40.5	101	38.5	96	5	79-124/20
75-25-2	Bromoform	40	41.3	103	41.9	105	1	76-128/21
104-51-8	n-Butylbenzene	40	40.2	101	40.2	101	0	79-123/26
135-98-8	sec-Butylbenzene	40	40.0	100	37.7	94	6	77-122/24
98-06-6	tert-Butylbenzene	40	41.4	104	36.6	92	12	77-121/23
108-90-7	Chlorobenzene	40	40.7	102	38.8	97	5	82-121/20
75-00-3	Chloroethane	40	38.4	96	38.3	96	0	80-126/21
67-66-3	Chloroform	40	41.8	105	38.4	96	8	82-123/20
95-49-8	o-Chlorotoluene	40	40.1	100	35.4	89	12	78-125/25
106-43-4	p-Chlorotoluene	40	35.1	88	31.4	79	11	75-125/26
56-23-5	Carbon tetrachloride	40	42.2	106	37.2	93	13	82-127/22
75-34-3	1,1-Dichloroethane	40	38.3	96	35.2	88	8	80-123/20
75-35-4	1,1-Dichloroethylene	40	40.8	102	40.9	102	0	76-123/19
563-58-6	1,1-Dichloropropene	40	43.4	109	38.3	96	12	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	31.7	79	33.3	83	5	64-133/23
106-93-4	1,2-Dibromoethane	40	40.9	102	40.6	102	1	80-120/20
107-06-2	1,2-Dichloroethane	40	39.9	100	35.1	88	13	76-132/21
78-87-5	1,2-Dichloropropane	40	42.0	105	39.9	100	5	80-121/20
142-28-9	1,3-Dichloropropane	40	39.5	99	38.9	97	2	78-120/20
108-20-3	Di-Isopropyl ether	40	37.6	94	34.0	85	10	78-126/19
594-20-7	2,2-Dichloropropane	40	39.5	99	37.5	94	5	77-132/22
124-48-1	Dibromochloromethane	40	42.9	107	42.2	106	2	76-121/21
75-71-8	Dichlorodifluoromethane	40	50.7	127	47.8	120	6	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	41.8	105	40.8	102	2	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	44.2	111	41.5	104	6	81-124/21
541-73-1	m-Dichlorobenzene	40	41.1	103	40.1	100	2	79-123/23
95-50-1	o-Dichlorobenzene	40	42.4	106	39.2	98	8	79-124/22
106-46-7	p-Dichlorobenzene	40	44.8	112	42.8	107	5	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	43.3	108	43.3	108	0	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	40.2	101	40.9	102	2	81-123/22
100-41-4	Ethylbenzene	40	42.7	107	39.0	98	9	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	41.6	104	39.2	98	6	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-BS	L29182.D	1	12/05/13	XB	n/a	n/a	VL922
VL922-BSD	L29183.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	135	84	147	92	9	68-139/24
87-68-3	Hexachlorobutadiene	40	45.5	114	43.4	109	5	81-126/32
98-82-8	Isopropylbenzene	40	38.5	96	36.8	92	5	81-122/22
99-87-6	p-Isopropyltoluene	40	40.5	101	39.2	98	3	81-121/23
108-10-1	4-Methyl-2-pentanone	160	155	97	161	101	4	74-136/23
74-83-9	Methyl bromide	40	47.9	120	45.6	114	5	82-124/20
74-87-3	Methyl chloride	40	48.2	121	42.8	107	12	60-132/26
74-95-3	Methylene bromide	40	41.8	105	40.3	101	4	82-120/20
75-09-2	Methylene chloride	40	41.6	104	43.2	108	4	75-119/20
78-93-3	Methyl ethyl ketone	160	139	87	140	88	1	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	40.9	102	41.5	104	1	79-127/19
91-20-3	Naphthalene	40	39.2	98	39.7	99	1	78-125/23
103-65-1	n-Propylbenzene	40	39.3	98	33.6	84	16	79-124/22
100-42-5	Styrene	40	43.8	110	39.9	100	9	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	42.8	107	39.1	98	9	80-127/20
75-65-0	Tert Butyl Alcohol	200	172	86	196	98	13	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	44.0	110	42.1	105	4	82-123/21
71-55-6	1,1,1-Trichloroethane	40	42.5	106	38.5	96	10	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	38.1	95	34.3	86	10	77-126/20
79-00-5	1,1,2-Trichloroethane	40	40.8	102	41.2	103	1	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	43.3	108	42.7	107	1	81-122/26
96-18-4	1,2,3-Trichloropropane	40	34.4	86	33.4	84	3	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	43.3	108	41.7	104	4	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	42.3	106	38.1	95	10	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	43.7	109	38.9	97	12	81-123/23
127-18-4	Tetrachloroethylene	40	43.9	110	44.1	110	0	80-125/25
108-88-3	Toluene	40	43.8	110	43.6	109	0	80-117/21
79-01-6	Trichloroethylene	40	42.8	107	40.4	101	6	81-122/20
75-69-4	Trichlorofluoromethane	40	43.1	108	41.0	103	5	77-133/22
75-01-4	Vinyl chloride	40	46.2	116	42.2	106	9	71-133/23
1330-20-7	Xylene (total)	120	125	104	116	97	7	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	96%	90%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-BS	L29182.D	1	12/05/13	XB	n/a	n/a	VL922
VL922-BSD	L29183.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	95%	102%	70-130%
460-00-4	4-Bromofluorobenzene	87%	85%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL922-LCS	L29184.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

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

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31255-1MS	L29202.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1MSD	L29203.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1	L29198.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	C31255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		159	130	82	133	83	2	62-130/24
71-43-2	Benzene	ND		39.8	33.3	84	36.7	92	10	81-119/20
108-86-1	Bromobenzene	ND		39.8	35.9	90	38.8	97	8	79-120/22
74-97-5	Bromochloromethane	ND		39.8	36.8	93	39.6	99	7	81-120/19
75-27-4	Bromodichloromethane	ND		39.8	33.4	84	36.9	92	10	79-124/20
75-25-2	Bromoform	ND		39.8	39.8	100	44.1	110	10	76-128/21
104-51-8	n-Butylbenzene	ND		39.8	28.5	72* [a]	29.1	73* [a]	2	79-123/26
135-98-8	sec-Butylbenzene	ND		39.8	31.4	79	32.7	82	4	77-122/24
98-06-6	tert-Butylbenzene	ND		39.8	33.2	83	34.8	87	5	77-121/23
108-90-7	Chlorobenzene	ND		39.8	35.5	89	38.3	96	8	82-121/20
75-00-3	Chloroethane	ND		39.8	30.9	78* [a]	33.0	83	7	80-126/21
67-66-3	Chloroform	ND		39.8	31.2	78* [a]	33.4	84	7	82-123/20
95-49-8	o-Chlorotoluene	ND		39.8	32.2	81	34.6	87	7	78-125/25
106-43-4	p-Chlorotoluene	ND		39.8	29.3	74* [a]	31.1	78	6	75-125/26
56-23-5	Carbon tetrachloride	ND		39.8	34.0	86	36.8	92	8	82-127/22
75-34-3	1,1-Dichloroethane	ND		39.8	29.4	74* [a]	31.2	78* [a]	6	80-123/20
75-35-4	1,1-Dichloroethylene	ND		39.8	32.7	82	35.0	88	7	76-123/19
563-58-6	1,1-Dichloropropene	ND		39.8	32.3	81	35.2	88	9	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		39.8	30.9	78	32.4	81	5	64-133/23
106-93-4	1,2-Dibromoethane	ND		39.8	36.5	92	40.0	100	9	80-120/20
107-06-2	1,2-Dichloroethane	ND		39.8	32.0	80	34.8	87	8	76-132/21
78-87-5	1,2-Dichloropropane	ND		39.8	31.7	80	34.7	87	9	80-121/20
142-28-9	1,3-Dichloropropane	ND		39.8	33.6	85	36.8	92	9	78-120/20
108-20-3	Di-Isopropyl ether	ND		39.8	28.0	70* [a]	30.1	75* [a]	7	78-126/19
594-20-7	2,2-Dichloropropane	ND		39.8	29.8	75* [a]	31.6	79	6	77-132/22
124-48-1	Dibromochloromethane	ND		39.8	37.0	93	40.5	101	9	76-121/21
75-71-8	Dichlorodifluoromethane	ND		39.8	42.9	108	43.7	109	2	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		39.8	32.7	82	35.4	89	8	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		39.8	33.5	84	37.2	93	10	81-124/21
541-73-1	m-Dichlorobenzene	ND		39.8	33.9	85	36.0	90	6	79-123/23
95-50-1	o-Dichlorobenzene	ND		39.8	34.5	87	36.8	92	6	79-124/22
106-46-7	p-Dichlorobenzene	ND		39.8	34.0	86	35.7	89	5	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		39.8	33.2	83	35.1	88	6	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		39.8	33.0	83	35.9	90	8	81-123/22
100-41-4	Ethylbenzene	ND		39.8	33.6	85	36.3	91	8	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		39.8	30.9	78	32.8	82	6	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31255-1MS	L29202.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1MSD	L29203.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1	L29198.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Compound	C31255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		159	120	75	133	83	10	68-139/24
87-68-3	Hexachlorobutadiene	ND		39.8	29.5	74* [a]	28.6	72* [a]	3	81-126/32
98-82-8	Isopropylbenzene	ND		39.8	35.0	88	37.1	93	6	81-122/22
99-87-6	p-Isopropyltoluene	ND		39.8	32.3	81	34.0	85	5	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		159	158	99	176	110	11	74-136/23
74-83-9	Methyl bromide	ND		39.8	38.9	98	41.3	103	6	82-124/20
74-87-3	Methyl chloride	ND		39.8	32.6	82	33.9	85	4	60-132/26
74-95-3	Methylene bromide	ND		39.8	35.2	89	38.6	97	9	82-120/20
75-09-2	Methylene chloride	ND		39.8	32.6	82	34.7	87	6	75-119/20
78-93-3	Methyl ethyl ketone	ND		159	132	83	145	91	9	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		39.8	32.9	83	35.0	88	6	79-127/19
91-20-3	Naphthalene	ND		39.8	34.8	88	37.1	93	6	78-125/23
103-65-1	n-Propylbenzene	ND		39.8	30.7	77* [a]	32.4	81	5	79-124/22
100-42-5	Styrene	ND		39.8	35.3	89	38.3	96	8	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		39.8	32.7	82	34.9	87	7	80-127/20
75-65-0	Tert Butyl Alcohol	ND		199	177	89	180	90	2	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		39.8	36.3	91	39.7	99	9	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		39.8	32.0	80	33.9	85	6	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		39.8	33.0	83	36.0	90	9	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		39.8	34.5	87	37.8	95	9	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		39.8	34.1	86	34.1	85	0	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		39.8	33.1	83	36.3	91	9	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		39.8	33.1	83	33.4	84	1	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		39.8	31.8	80* [a]	33.4	84	5	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		39.8	31.8	80* [a]	34.0	85	7	81-123/23
127-18-4	Tetrachloroethylene	ND		39.8	37.9	95	41.3	103	9	80-125/25
108-88-3	Toluene	ND		39.8	34.4	87	37.2	93	8	80-117/21
79-01-6	Trichloroethylene	ND		39.8	34.0	86	37.9	95	11	81-122/20
75-69-4	Trichlorofluoromethane	ND		39.8	33.9	85	35.9	90	6	77-133/22
75-01-4	Vinyl chloride	ND		39.8	34.7	87	36.9	92	6	71-133/23
1330-20-7	Xylene (total)	ND		119	105	88	114	95	8	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C31255-1	Limits
1868-53-7	Dibromofluoromethane	88%	89%	89%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31255-1MS	L29202.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1MSD	L29203.D	1	12/05/13	XB	n/a	n/a	VL922
C31255-1	L29198.D	1	12/05/13	XB	n/a	n/a	VL922

The QC reported here applies to the following samples: **Method:** SW846 8260B

C31255-1

CAS No.	Surrogate Recoveries	MS	MSD	C31255-1	Limits
2037-26-5	Toluene-D8	93%	93%	94%	70-130%
460-00-4	4-Bromofluorobenzene	92%	92%	93%	70-130%

(a) Outside laboratory control limits. AZ:M2

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC 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: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1653-MB	JK40930.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31255-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/kg	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	117%*	60-115%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK1653-BS	JK40931.D	1	12/05/13	TT	n/a	n/a	GJK1653
GJK1653-BSD	JK40932.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31255-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.5	0.462	92	0.477	95	3	76-127/32

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	106%	108%	60-115%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C31255
Account: ESTCASJ Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C31239-1MS	JK40942.D	1	12/05/13	TT	n/a	n/a	GJK1653
C31239-1MSD	JK40943.D	1	12/05/13	TT	n/a	n/a	GJK1653
C31239-1	JK40933.D	1	12/05/13	TT	n/a	n/a	GJK1653

The QC reported here applies to the following samples: **Method:** SW846 8015B

C31255-1

CAS No.	Compound	C31239-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.527	0.293	56* [a]	0.301	58* [a]	3	76-127/32

CAS No.	Surrogate Recoveries	MS	MSD	C31239-1	Limits
98-08-8	aaa-Trifluorotoluene	94%	79%	80%	60-115%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C31255
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7101
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/10/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087		
Arsenic	2.0	.07	.07		
Barium	20	.04	.035		
Beryllium	1.0	.02	.012		
Boron	10	.09	.2		
Cadmium	1.0	.02	.015		
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054		
Cobalt	1.0	.02	.022		
Copper	2.5	.12	.19		
Iron	20	.64	1.6		
Lead	2.0	.07	.054	0.090	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024		
Nickel	1.0	.02	.024		
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23		
Silicon		.12			
Silver	1.0	.03	.044		
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073		
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025		
Zinc	2.0	.03	.098		

Associated samples MP7101: C31255-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C31255
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7101
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/10/13

Metal	C31240-1 Original	MS	Spikelot MPIRSN4	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Boron	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	389	382	50	-14.0(a)	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium	anr				
Thallium	anr				
Tin	anr				
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP7101: C31255-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C31255
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7101 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/10/13

Metal	C31240-1 Original	MSD	Spikelot MPIRSN4	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	389	410	50.4	41.6 (a)	7.1	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium	anr					
Thallium	anr					
Tin	anr					
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP7101: C31255-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C31255
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7101
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 12/10/13

Metal	BSP Result	Spikelot MPIRSN4	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	46.8	50	93.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7101: C31255-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C31255
Account: ESTCASJ - Enviro Soil Tech Consultants
Project: 1501 Martin Luther King Jr. Way, Oakland, CA

QC Batch ID: MP7101
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 12/10/13

Metal	C31240-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	3800	3990	5.1	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP7101: C31255-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested