A·C·C ENVIRONMENTAL CONSULTANTS

May 25, 2007

Ms. Teresa Clarke
Affordable Housing Associates
1250 Addison Street, Suite G
Berkeley, California 94702

RE: Summary of Soil Characterization Activities
160 14th Street, Oakland, California
ACC Project Number 6179-014.02

This letter report summarizes soil sampling activities performed by ACC Environmental Consultants, Inc. (ACC), at 160 14th Street, Oakland, California (Site). The purpose of this letter is to summarize soil characterization data to assist in obtaining full regulatory closure in regards to the former underground storage tanks (USTs) at the Site.

BACKGROUND

The subject property was occupied by an asphalt-paved parking lot located at the north corner of Madison and 14th Streets, Oakland, California (Figure 1). ACC conducted a Phase I Environmental Site Assessment (ESA) on the subject property in April 2001. The Phase I ESA identified former USTs at the Site and a dry cleaning business located adjacent to the Site to the northwest at 190 14th Street, Oakland, California.

In July 2001, ACC advanced three exploratory soil borings at select locations on the Site, with soil borings SB1 and SB2 located immediately adjacent to the former USTs. Soil and grab groundwater sample analytical results are summarized in Table 1.

TABLE 1 - SOIL ANALYTICAL RESULTS – July 2001

Sample ID	TPHg	TEPH as Diesel	TEPH as Motor Oil	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
SB1-13.0	<1.0	N/A	N/A	0.014	<0.005	<0.005	<0.005	<0.005
SB1-15.5	<1/0	N/A	N/A	<0.005	<0.005	<0.005	<0.005	<0.005
SB2-8.0	87	100	600	1	8	2.0	<0.62	<0.62
SB2-13.0	<1.0	N/A	N/A	<0.005	<0.005	<0.005	<0.005	<0.005

Notes: *All soil results reported in micrograms per kilogram (mg/kg), approximately equal to parts per million*
N/A = not analyzed
< = Sample tested below the laboratory minimum detection limit indicated

In April 2006, ACC advanced six exploratory soil borings, designated B-1 through B-6, in areas proposed for excavation. Approximate soil boring locations are illustrated on Figure 2. The six

continuously-cored soil borings were advanced to total depths ranging between 12 to 20 feet bgs. Native soil consisted primarily of silt and sandy silt to an average depth of 12 feet bgs. Sand with varying amounts of disseminated fine-grained silts and clays was generally observed from 12 feet bgs to 20 feet bgs. Soils were highly uniform across the area of the investigation. Soil sample analytical results are summarized in Tables 2 through 4.

TABLE 2 – TPHg/BTEX/MTBE SOIL RESULTS – April 2006

Sample ID	Sample Depth	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
B-1@10.5’	10.5’	<0.94	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
B-4@6’	6.0’	<0.98	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
B-6@8’	8.0’	<0.0049	<0.0049	<0.0049	0.0064	0.022	<0.0049

Notes: All soil results reported in micrograms per kilogram (mg/kg), approximately equal to parts per million
< Sample tested below the laboratory minimum detection limit indicated

TABLE 3 – TOTAL LEAD SOIL RESULTS – April 2006

Sample ID	Sample Depth	Total Lead
B-4@3’	3.0’	2.7
B-5@2’	2.0’	5.0
B-6@4’	4.0’	3.2

Notes: All soil results reported in micrograms per kilogram (mg/kg)

TABLE 4 – CAM 17 METAL SOIL RESULTS – April 2006

Constituent	B2-COMP	North Bay Average*	Residential PRG**
Antimony	<2.9	1.3-10	31
Arsenic	2.9	6-16	22
Barium	68	500	5,400
Beryllium	0.22	<1	1,100
Cadmium	<0.24	---	1,400
Chromium	36	100-700	210
Cobalt	5.7	15-70	900
Copper	8.9	50-300	3,100
Lead	18	30-300	255
Mercury	0.066	0.082-0.13	23
Molybdenum	<0.97	<3	390
Nickel	23	30-200	1,600
Selenium	<0.24	0.5	390
Silver	<0.24	---	390
Thallium	<0.24	---	5.2
Vanadium	32	150-500	78
Zinc	42	150-500	23,000

Notes: All soil results reported in micrograms per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated
** According to United States Geologic Survey Professional Paper 1270*
*** Residential Preliminary Remediation Goal set by USEPA Region 9 as of October 2004*

On July 21, 2006, ACC visited the Site and sampled stockpiled soil displaying field indications of petroleum hydrocarbon impact as minor gasoline odor. Based on the small volume of soil, ACC collected two discrete soil samples designated Comp.1 and Comp.2 and analyzed them for TPHg/BTEX/MTBE. No reportable petroleum hydrocarbons were detected. Soil sample analytical results are summarized in Table 5.

TABLE 5– TPHg/BTEX ANALYTICAL RESULTS – July 2006

Sample Name	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
Comp.1	<0.99	<0.005	<0.005	0.005	0.005	<0.005
Comp.2	<0.93	<0.005	<0.005	<0.005	<0.005	<0.005

Notes: All results reported in milligrams per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated

At the request of Nibbi Brothers, General Contractor, and its subcontractor, Silverado Contractors, ACC conducted additional soil sampling on August 2, 2006 by sampling drill spoils from holes

advanced in select areas of proposed excavation (Photograph 1). Discrete soil samples were collected in the field, composited by the laboratory, and analyzed for suspect constituents of concern. Composite 1 consists of soil to 5 feet bgs in the area northwest of the former USTs (around ACC soil borings B-1 and B-2). Composite 2 consists of soil beneath Composite 1 to 10 feet bgs. Composite 3 consists of soil to 5 feet bgs at the former USTs and southeast of the former USTs (around ACC soil borings B-3 and B-4). Composite 4 consists of soil from 5 to 15 feet near the former USTs and southeast of the former USTs. Composite 5 consists of soil from the surface to 10 feet bgs across the Site from the primary area of excavation around the southwest portion of the Site.

The composites were analyzed to specifically characterize areas of the Site and specific depth intervals. TEPH analytical results are summarized in Table 6, TPHg/BTEX/MTBE analytical results are summarized in Table 7, and CAM 17 metals analytical results are summarized in Table 8.

TABLE 6 TEPH ANALYTICAL RESULTS – August 2006

Sample ID	TEPH as Diesel	TEPH as Motor Oil
Composite 1	2.2*	18
Composite 2	1.5*	13
Composite 3	53*	150
Composite 4	5.8*	13
Composite 5	1.2*	7.2

Notes: All results reported in milligrams per kilogram (mg/kg)
** Analytical result does not match the laboratory's standard diesel pattern*

TABLE 7 – TPHg/BTEX ANALYTICAL RESULTS – August 2006

Sample Name	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
Composite-1	<0.93	<0.005	<0.005	0.005	0.005	<0.005
Composite-2	<0.94	<0.005	<0.005	<0.005	<0.005	<0.005
Composite-3	<0.89	<0.005	<0.005	0.069	<0.005	<0.005
Composite-4	<0.96	<0.005	<0.005	<0.005	<0.005	<0.005
Composite-5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005

Notes: All results reported in milligrams per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated

TABLE 8 – CAM 17 ANALYTICAL RESULTS – August 2006

Constituent	Comp-1 (mg/kg)	Comp-2 (mg/kg)	Comp-3 (mg/kg)	Comp-4 (mg/kg)	Comp-5 (mg/kg)	Northbay Average*
Antimony	<3.0	<3.0	<3.0	<3.0	<3.0	1.3-10
Arsenic	2.5	2.1	3.1	1.8	2.7	16-65
Barium	90	61	97	57	81	500
Beryllium	0.34	0.20	0.28	0.18	0.32	<1
Cadmium	<0.25	<0.25	0.26	<0.26	<0.25	---
Chromium	59	62	48	67	60	100-700
Cobalt	5.6	7.0	6.6	6.8	9.1	10-70
Copper	9.2	5.6	12	5.1	9.3	30-150
Lead	5.2	2.9	71	6.7	5.1	30-300
Mercury	0.023	<0.020	0.031	<0.020	<0.020	0.082-1.3
Molybdenum	<1.0	<1.0	<1.0	<1.0	<1.0	<3
Nickel	34	43	28	43	41	20-70
Selenium	<0.25	<0.25	<0.25	<0.26	<0.25	0.3-0.7
Silver	<0.25	<0.25	<0.25	<0.26	<0.25	---
Thallium	0.37	<0.25	<0.25	<0.26	<0.25	---
Vanadium	40	37	36	36	41	100-300
Zinc	25	24	56	26	27	120-190

Notes: mg/kg = milligram per kilogram, approximately equal to parts per million
< Not detected above laboratory reporting limit indicated
** According to United States Geological Survey Professional Paper 1270*

Based on the total metal concentrations reported in Composite-1 through Composite-5, STLC soluble lead was run on Composite 3, and soluble chromium was run on samples Composite-1, 2, 3, and 5. No detectable soluble chromium by STLC was reported in the four samples analyzed and Composite -3 reported 2.2 µg/L soluble lead by STLC.

On September 1, 2006, ACC visited the Site and collected two sidewall soil samples along the excavation boundary, designated SW-S-16.0 and SW-W-21.0, and analyzed them for TPHg/BTEX/MTBE. Sidewall soil sample SW-S-16.0 was collected along the south portion of the Site at 16.0 feet bgs and sidewall soil sample SW-W-21.0 was collected at 21.0 feet bgs along the west portion of the Site. No detectable petroleum gasoline constituents were detected in sidewall sample SW-S-16.0. Minor TPHg concentrations of 1.9 mg/kg and 0.34 mg/kg of ethylbenzene were detected in sidewall sample SW-W-21.0. TPHg/BTEX/MTBE analytical results are summarized in Table 9. Photograph 2 illustrates soil encountered during site excavation. Photograph 3 illustrates the area of excavation and the former UST location.

TABLE 9 – TPHg/BTEX ANALYTICAL RESULTS – Sept. 2006

Sample Name	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
SW-S-16.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SW-W-21.0	1.9	0.041	<0.0048	0.34	<0.0048	<0.0048

Notes: All results reported in milligrams per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated

On September 6, 2006, ACC re-visited the Site to collect two additional sidewall soil samples along the excavation boundary, designated SW-E-14.5 and EB-13W-14.0, and analyzed them for TPHg/BTEX/MTBE. Sidewall soil sample SW-E-14.5 was collected along the eastern portion of the Site at 14.5 feet bgs (Photograph 4) and sidewall soil sample EB-13W-14.0 was collected at 14.0 feet bgs approximately 13 feet from the west boundary at the bottom of the excavation (Photograph 5). No detectable petroleum hydrocarbons were detected. TPHg/BTEX/MTBE analytical results are summarized in Table 10.

TABLE 10 – TPHg/BTEX ANALYTICAL RESULTS – Sept. 2006

Sample Name	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
SW-E-14.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
EB-13W-14.0	<0.94	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047

Notes: All results reported in milligrams per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated

On December 4, 2006, ACC visited the Site and collected four discrete sidewall soil samples. The four discrete samples were composited into soil sample S-Comp and analyzed for TPHg/BTEX, TEPH, and CAM 17 metals. Concentrations of TPHg/BTEX were reported below laboratory detectable limits. TEPH analytical results are summarized in Table 11 and CAM 17 analytical results are summarized in Table 12.

TABLE 11 TEPH ANALYTICAL RESULTS – Dec. 2006

Sample ID	TEPH as Diesel	TEPH as Motor Oil
S-COMP	3.3 [1,2]	15 [1]

Notes: All results reported in milligrams per kilogram (mg/kg)
[1]Heavier hydrocarbons contributed to the quantitation.
[2] Sample exhibits chromatographic pattern which does not resemble pattern

TABLE 12 – CAM 17 METAL SOIL RESULTS – Dec. 2006

Constituent	S-COMP	North Bay Average*	Residential PRG**
Antimony	<3.0	1.3-10	31
Arsenic	1.7	6-16	22
Barium	73	500	5,400
Beryllium	0.24	<1	1,100
Cadmium	0.57	---	1,400
Chromium	39	100-700	210
Cobalt	4.7	15-70	900
Copper	11	50-300	3,100
Lead	46	30-300	255
Mercury	0.058	0.082-0.13	23
Molybdenum	<1.0	<3	390
Nickel	20	30-200	1,600
Selenium	<0.25	0.5	390
Silver	<0.25	---	390
Thallium	<0.25	---	5.2
Vanadium	26	150-500	78
Zinc	38	150-500	23,000

Notes: All soil results reported in micrograms per kilogram (mg/kg)
< Sample tested below the laboratory minimum detection limit indicated
** According to United States Geologic Survey Professional Paper 1270*
*** Residential Preliminary Remediation Goal set by USEPA Region 9 as of October 2004*

DISCUSSION

Representative soil samples were collected to characterize soil at the Site for likely constituents of concern. Soil sampling was performed to facilitate profiling soil for offsite disposal and characterize soil for suspect TPH impacts at the limit of soil excavation during construction of the subgrade parking garage. Soils were highly consistent at the Site and consisted predominantly of native silty sand. With the exception of soil generated immediately adjacent to the former USTs, no field indications of impact were noted during sampling activities, such as odor, soil discoloration, elevated photoionization detector (PID) reading, or the presence of fill materials in the soil.

Initial soil sample analytical results reported relatively minor TPHg/BTEX and TEPH concentrations in the vicinity of the former USTs. This petroleum hydrocarbon finding was later confirmed with additional analysis. Initial metal concentration analytical results were generally low and indicative of background, naturally-occurring concentrations. This metals finding was also later confirmed with additional analysis.

The reported TEPH concentrations should be considered insignificant and the varying concentrations are likely the result of asphalt fragments in the soil, incidental releases from heavy equipment, or naturally-occurring organics. The metal concentrations reported in the redundant CAM 17 metal scans were highly consistent and generally well below the levels that what would be considered background concentrations in this geographic region. While the arsenic results were both above the published residential environmental screening level (ESL), they were well below documented, naturally occurring background concentrations for the Oakland area and not present at concentrations of concern.

Additional soil characterization performed in July 2006 demonstrates that soil conditions at the Site are highly uniform and did not substantially deviate from soil characterization performed in April 2006. The majority of soil at the Site represented by Composite 1, 2, 4, and 5, is suitable for unrestricted use as clean backfill material according to all known regulatory standards and applicable health-risk guidelines.

Former UST Area

Confirmatory soil samples were collected in the excavation sidewalls in September 2006 and December 2006. Analytical results from these sampling events indicate that soil removal during construction was highly successful at remediating petroleum hydrocarbon-impacted soil adjacent to the former USTs. Characteristic gasoline odor was noted during excavation activities but dissipated rapidly, often within minutes, and confirmation soil samples collected in sidewalls at the limits of excavation contained relatively low concentrations of residual hydrocarbons. Residual petroleum hydrocarbon concentrations in excavation sidewall soil samples were weathered, contained little or no BTEX, and do not represent a human health risk. Since approximately 75 percent of the soil adjacent to the USTs to a depth of 15 feet bgs was removed during construction, and residual petroleum hydrocarbon concentrations in discolored soil remaining at the Site were essentially nondetect, remaining petroleum hydrocarbon impacted soil does not represent a human health or environmental concern.

RECOMMENDATIONS

ACC recommends that a copy of this letter be submitted to the Oakland Fire Department and this Site be evaluated for immediate regulatory closure in regards to the former USTs.

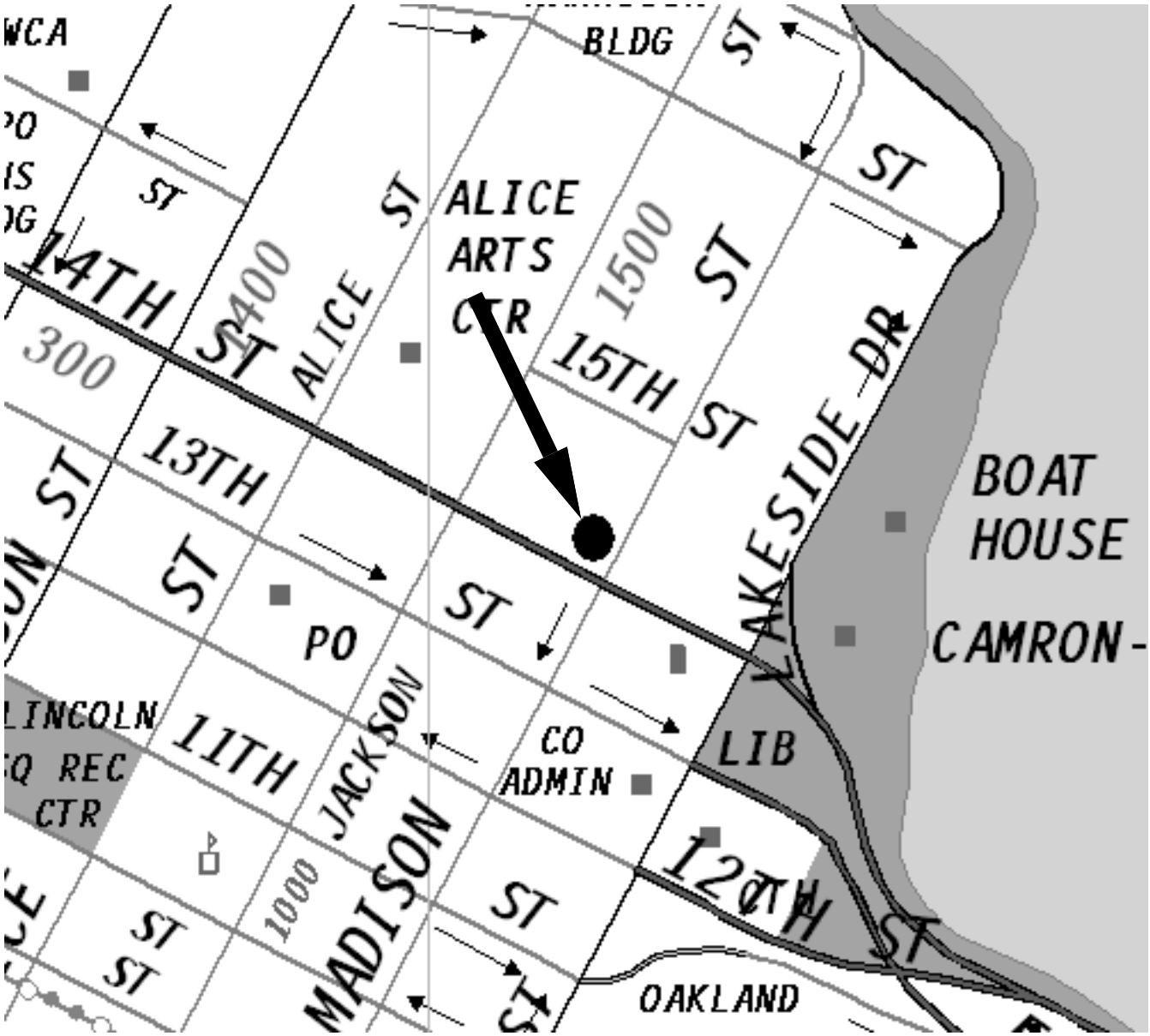
If you have any questions regarding this letter, please contact me at (510) 638-8400, ext. 109 or email me at ddement@accenv.com.

Sincerely,

David DeMent, PG, REA II
Division Manager / Senior Geologist

/krb:drd

Attachments



Source: The Thomas Guide, Bay Area Metro, 2004

Title: ***Location Map*** ***160 14th Street*** ***Oakland, California***	
Figure Number: 1	Scale: None
ACC Project: 6179-014	Drawn By: TRB
	Date: 3/24/06

A·C·C ENVIRONMENTAL CONSULTANTS
Northern California
7977 Capwell Drive, Suite 100
Oakland, CA 94621 (510) 638-8400

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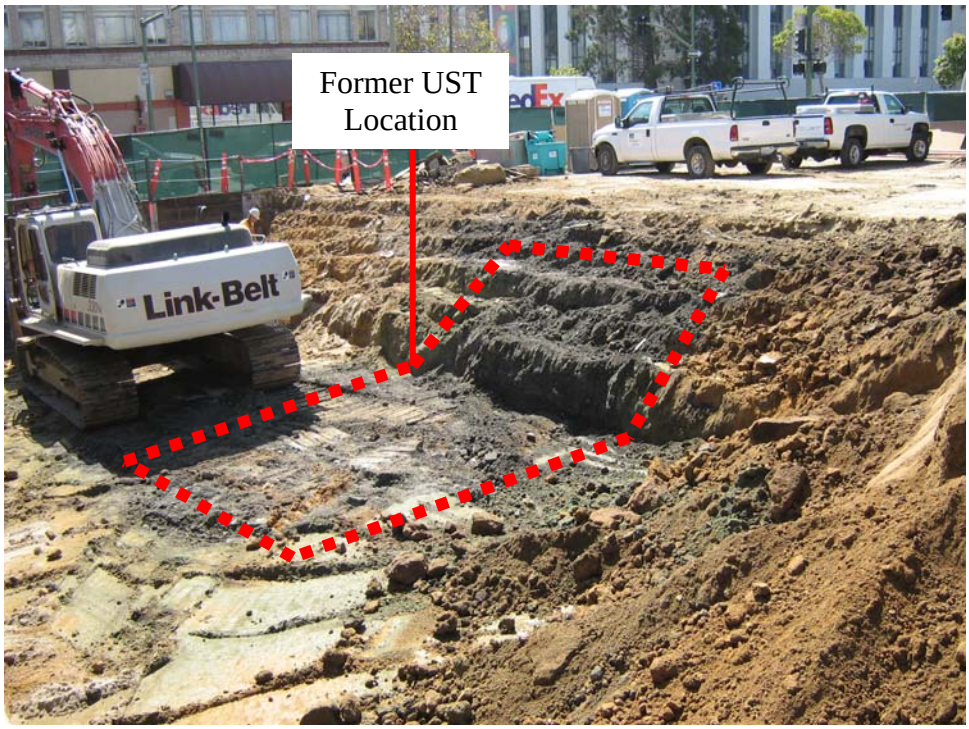
Photograph 1: View of test hole being drilled.

Photograph 2: View of soil excavation adjacent to former UST location.

Project: Summary Letter 160 14th Street Oakland, California	Project Number: 6179-014.02 Date of Photos: 8/2/06 and 8/30/06	A·C·C ENVIRONMENTAL CONSULTANTS



Photograph 3: View of excavation at former UST area.

Photograph 4: View of location of sidewall soil sample SW-E-14.0.

Project: Summary Letter 160 14th Street Oakland, California	Project Number: 6179-014.02 Date of Photos: 9/6/06	A·C·C ENVIRONMENTAL CONSULTANTS

Photograph 5: View of location of soil sample EB-13W-14.0.

Photograph 6: View of men pouring the parking lot foundation.

Project: Summary Letter 160 14th Street Oakland, California	Project Number: 6179-014.02 Date of Photos: 9/6/06 and 9/12/06	A·C·C ENVIRONMENTAL CONSULTANTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, CA 94621

Date: 11-SEP-06
Lab Job Number: 189140
Project ID: STANDARD
Location: 160 14th Street

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	189140
Client:	ACC Environmental Consultants
Location:	160 14th Street
Request Date:	09/01/06
Samples Received:	09/01/06

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 09/01/06. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

Low recoveries were observed for MTBE in the MS/MSD for batch 117195; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results. No other analytical problems were encountered.

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	08/31/06
Basis:	as received	Received:	09/01/06

Field ID:	SW-S-16.0	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	117147
Lab ID:	189140-001	Analyzed:	09/07/06

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.0	mg/Kg
MTBE	ND	5.0	ug/Kg
Benzene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg
m,p-Xylenes	ND	5.0	ug/Kg
o-Xylene	ND	5.0	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	118	79-120
1,2-Dichloroethane-d4	113	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-126

Field ID:	SW-W-21.0	Lab ID:	189140-002
Type:	SAMPLE		

Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Gasoline C7-C12	1.9 Z	0.96	mg/Kg	0.9615	117147	09/07/06
MTBE	ND	4.8	ug/Kg	0.9615	117147	09/07/06
Benzene	41	4.8	ug/Kg	0.9615	117147	09/07/06
Toluene	ND	4.8	ug/Kg	0.9615	117147	09/07/06
Ethylbenzene	340	23	ug/Kg	4.545	117195	09/08/06
m,p-Xylenes	ND	4.8	ug/Kg	0.9615	117147	09/07/06
o-Xylene	ND	4.8	ug/Kg	0.9615	117147	09/07/06

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	79-120	0.9615	117147	09/07/06
1,2-Dichloroethane-d4	105	76-130	0.9615	117147	09/07/06
Toluene-d8	101	80-120	0.9615	117147	09/07/06
Bromofluorobenzene	101	80-126	0.9615	117147	09/07/06

Z= Sample exhibits unknown single peak or peaks
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	08/31/06
Basis:	as received	Received:	09/01/06

Type:	BLANK	Batch#:	117147
Lab ID:	QC354919	Analyzed:	09/07/06
Diln Fac:	1.000		

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.0	mg/Kg
MTBE	ND	5.0	ug/Kg
Benzene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg
m,p-Xylenes	ND	5.0	ug/Kg
o-Xylene	ND	5.0	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	94	76-130
Toluene-d8	95	80-120
Bromofluorobenzene	96	80-126

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC355085	Batch#:	117195
Units:	ug/Kg	Analyzed:	09/08/06

Analyte	Result	RL
Gasoline C7-C12	NA	
MTBE	ND	5.0
Benzene	ND	5.0
Toluene	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-126

Z= Sample exhibits unknown single peak or peaks
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC354916	Diln Fac:	1.000
Matrix:	Soil	Batch#:	117147
Units:	ug/Kg	Analyzed:	09/07/06

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	19.24	77	69-120
Benzene	25.00	23.69	95	80-120
Toluene	25.00	23.56	94	80-120
Ethylbenzene	25.00	24.83	99	80-120
m,p-Xylenes	50.00	49.69	99	80-120
o-Xylene	25.00	24.21	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	117147
Basis:	as received	Analyzed:	09/07/06

Type: BS Lab ID: QC354917

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.500	1.748	117	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-126

Type: BSD Lab ID: QC354918

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1.500	1.765	118	70-130	1	30

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SW-S-16.0	Diln Fac:	1.000
MSS Lab ID:	189140-001	Batch#:	117147
Matrix:	Soil	Sampled:	08/31/06
Units:	ug/Kg	Received:	09/01/06
Basis:	as received	Analyzed:	09/07/06

Type: MS Lab ID: QC355004

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1184	50.00	41.28	83	56-120
Benzene	<0.1964	50.00	49.86	100	67-120
Toluene	<0.2574	50.00	51.25	103	62-120
Ethylbenzene	<0.3632	50.00	53.09	106	60-120
m,p-Xylenes	<0.5971	100.0	103.7	104	58-120
o-Xylene	<0.1779	50.00	52.89	106	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	104	76-130
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-126

Type: MSD Lab ID: QC355005

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	42.83	86	56-120	4	23
Benzene	50.00	47.51	95	67-120	5	20
Toluene	50.00	48.18	96	62-120	6	20
Ethylbenzene	50.00	50.24	100	60-120	6	21
m,p-Xylenes	100.0	97.80	98	58-120	6	22
o-Xylene	50.00	50.07	100	58-120	5	22

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC355084	Diln Fac:	1.000
Matrix:	Soil	Batch#:	117195
Units:	ug/Kg	Analyzed:	09/08/06

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	17.81	71	69-120
Benzene	25.00	23.76	95	80-120
Toluene	25.00	24.20	97	80-120
Ethylbenzene	25.00	26.04	104	80-120
m,p-Xylenes	50.00	52.98	106	80-120
o-Xylene	25.00	25.87	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	104	80-120
Bromofluorobenzene	97	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189140	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	189224-003	Batch#:	117195
Matrix:	Soil	Sampled:	09/07/06
Units:	ug/Kg	Received:	09/07/06
Basis:	as received	Analyzed:	09/08/06

Type: MS Lab ID: QC355086

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1139	48.08	26.68	55 *	56-120
Benzene	<0.1888	48.08	40.93	85	67-120
Toluene	<0.2475	48.08	42.45	88	62-120
Ethylbenzene	<0.3493	48.08	43.39	90	60-120
m,p-Xylenes	<0.5741	96.15	87.65	91	58-120
o-Xylene	<0.1711	48.08	43.08	90	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	79-120
1,2-Dichloroethane-d4	114	76-130
Toluene-d8	105	80-120
Bromofluorobenzene	97	80-126

Type: MSD Lab ID: QC355087

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	48.08	26.32	55 *	56-120	1	23
Benzene	48.08	37.54	78	67-120	9	20
Toluene	48.08	38.94	81	62-120	9	20
Ethylbenzene	48.08	40.82	85	60-120	6	21
m,p-Xylenes	96.15	81.82	85	58-120	7	22
o-Xylene	48.08	39.79	83	58-120	8	22

Surrogate	%REC	Limits
Dibromofluoromethane	103	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-126

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 189140

Project No: 6179-014.02
Project Name: 160 14th Street
Project P.O.:
Turnaround Time:

Sampler: Dave DeMent (DRD)
Report To: ddement@Accesv.com
Company: ACC Environmental
Telephone: (510) 638-8400 x109
Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Cold	Analyses: TPH/BTEX/MTBE 8260B
-1	SW-S-16.0	8/31/06 11:45	X			1					X	X
-2	SW-W-21.0	11:50	X			1					X	X

Notes:

RELINQUISHED BY:		RECEIVED BY:	
Dave DeMent	9/1/06 DATE/TIME	[signature]	9/1/6 1200 DATE/TIME
9/1/06	DATE/TIME		DATE/TIME
12:00 pm	DATE/TIME		DATE/TIME

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

ACC Environmental Consultants
7977 Capwell Drive
Suite 100
Oakland, CA 94621

Date: 13-SEP-06
Lab Job Number: 189190
Project ID: STANDARD
Location: 160 14th Street

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	189190
Client:	ACC Environmental Consultants
Location:	160 14th Street
Request Date:	09/06/06
Samples Received:	09/06/06

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 09/06/06. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189190	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	09/05/06
Basis:	as received	Received:	09/06/06
Batch#:	117147	Analyzed:	09/07/06

Field ID: SW-E-14.5 Lab ID: 189190-001
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.0	mg/Kg
MTBE	ND	5.0	ug/Kg
Benzene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg
m,p-Xylenes	ND	5.0	ug/Kg
o-Xylene	ND	5.0	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	110	79-120
1,2-Dichloroethane-d4	104	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-126

Field ID: EB-13W-14.0 Lab ID: 189190-002
Type: SAMPLE Diln Fac: 0.9434

Analyte	Result	RL	Units
Gasoline C7-C12	ND	0.94	mg/Kg
MTBE	ND	4.7	ug/Kg
Benzene	ND	4.7	ug/Kg
Toluene	ND	4.7	ug/Kg
Ethylbenzene	ND	4.7	ug/Kg
m,p-Xylenes	ND	4.7	ug/Kg
o-Xylene	ND	4.7	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	114	79-120
1,2-Dichloroethane-d4	109	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189190	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Sampled:	09/05/06
Basis:	as received	Received:	09/06/06
Batch#:	117147	Analyzed:	09/07/06

Type: BLANK
Lab ID: QC354919

Diln Fac: 1.000

Analyte	Result	RL	Units
Gasoline C7-C12	ND	1.0	mg/Kg
MTBE	ND	5.0	ug/Kg
Benzene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg
m,p-Xylenes	ND	5.0	ug/Kg
o-Xylene	ND	5.0	ug/Kg

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	94	76-130
Toluene-d8	95	80-120
Bromofluorobenzene	96	80-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189190	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC354916	Diln Fac:	1.000
Matrix:	Soil	Batch#:	117147
Units:	ug/Kg	Analyzed:	09/07/06

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	19.24	77	69-120
Benzene	25.00	23.69	95	80-120
Toluene	25.00	23.56	94	80-120
Ethylbenzene	25.00	24.83	99	80-120
m,p-Xylenes	50.00	49.69	99	80-120
o-Xylene	25.00	24.21	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-126

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189190	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	mg/Kg	Batch#:	117147
Basis:	as received	Analyzed:	09/07/06

Type: BS Lab ID: QC354917

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1.500	1.748	117	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	95	79-120
1,2-Dichloroethane-d4	98	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-126

Type: BSD Lab ID: QC354918

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1.500	1.765	118	70-130	1	30

Surrogate	%REC	Limits
Dibromofluoromethane	94	79-120
1,2-Dichloroethane-d4	96	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189190	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	SW-S-16.0	Diln Fac:	1.000
MSS Lab ID:	189140-001	Batch#:	117147
Matrix:	Soil	Sampled:	08/31/06
Units:	ug/Kg	Received:	09/01/06
Basis:	as received	Analyzed:	09/07/06

Type: MS Lab ID: QC355004

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	<0.1184	50.00	41.28	83	56-120
Benzene	<0.1964	50.00	49.86	100	67-120
Toluene	<0.2574	50.00	51.25	103	62-120
Ethylbenzene	<0.3632	50.00	53.09	106	60-120
m,p-Xylenes	<0.5971	100.0	103.7	104	58-120
o-Xylene	<0.1779	50.00	52.89	106	58-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	104	76-130
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-126

Type: MSD Lab ID: QC355005

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	50.00	42.83	86	56-120	4	23
Benzene	50.00	47.51	95	67-120	5	20
Toluene	50.00	48.18	96	62-120	6	20
Ethylbenzene	50.00	50.24	100	60-120	6	21
m,p-Xylenes	100.0	97.80	98	58-120	6	22
o-Xylene	50.00	50.07	100	58-120	5	22

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	102	76-130
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 189190

Project No: 6179-014.02
Project Name: 160 14TH STreet
Project P.O.:
Turnaround Time: STANDARD

Sampler: Dave DeMent (DAD)
Report To: ddement@accenv.com
Company: ACC Env.
Telephone: 510-638-8400 X109
Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Preservative: cold	Analyses: TPH g/BTEX/MTBE 8260B
-1	SW-E-14.5	9/5/06 8:15	X								X	X
-2	EB-13W-19.0	8:25	X								X	X

Notes:

RELINQUISHED BY:
Dave DeMent 9/6/06 10:55 DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY:
Lawanna Cofi 9-6-06 10:55 DATE/TIME
DATE/TIME
DATE/TIME

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD		
Field ID:	S-COMP	Batch#:	120016
Matrix:	Soil	Sampled:	12/04/06
Basis:	as received	Received:	12/04/06
Diln Fac:	1.000	Analyzed:	12/04/06

Type: SAMPLE Lab ID: 191202-005

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	117	62-137	EPA 8015B
Bromofluorobenzene (FID)	118	60-148	EPA 8015B
Trifluorotoluene (PID)	114	66-127	EPA 8021B
Bromofluorobenzene (PID)	116	74-127	EPA 8021B

Type: BLANK Lab ID: QC366865

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	62-137	EPA 8015B
Bromofluorobenzene (FID)	93	60-148	EPA 8015B
Trifluorotoluene (PID)	88	66-127	EPA 8021B
Bromofluorobenzene (PID)	87	74-127	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC366866	Diln Fac:	1.000
Matrix:	Soil	Batch#:	120016
Units:	ug/Kg	Analyzed:	12/04/06

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	93.69	94	80-120
Toluene	100.0	103.6	104	80-120
Ethylbenzene	100.0	105.0	105	80-120
m,p-Xylenes	100.0	101.7	102	80-120
o-Xylene	100.0	106.4	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	90	66-127
Bromofluorobenzene (PID)	93	74-127

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC366867	Diln Fac:	1.000
Matrix:	Soil	Batch#:	120016
Units:	mg/Kg	Analyzed:	12/04/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.728	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	62-137
Bromofluorobenzene (FID)	118	60-148

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	B11-11.5	Diln Fac:	1.000
MSS Lab ID:	191186-015	Batch#:	120016
Matrix:	Soil	Sampled:	12/30/06
Units:	mg/Kg	Received:	12/01/06
Basis:	as received	Analyzed:	12/04/06

Type: MS Lab ID: QC366868

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1325	10.00	9.622	96	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	62-137
Bromofluorobenzene (FID)	116	60-148

Type: MSD Lab ID: QC366869

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.901	9.283	94	38-120	3	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	62-137
Bromofluorobenzene (FID)	119	60-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	S-COMP	Batch#:	120029
Matrix:	Soil	Sampled:	12/04/06
Units:	mg/Kg	Received:	12/04/06
Basis:	as received	Prepared:	12/04/06
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 12/05/06
Lab ID: 191202-005

Analyte	Result	RL
Diesel C10-C24	3.3 H Y	1.0
Motor Oil C24-C36	15 H	5.0

Surrogate	%REC	Limits
Hexacosane	88	48-130

Type: BLANK Analyzed: 12/04/06
Lab ID: QC366936

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	93	48-130

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC366937	Batch#:	120029
Matrix:	Soil	Prepared:	12/04/06
Units:	mg/Kg	Analyzed:	12/05/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.89	41.93	84	59-133

Surrogate	%REC	Limits
Hexacosane	82	48-130

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	120029
MSS Lab ID:	191198-005	Sampled:	11/30/06
Matrix:	Soil	Received:	12/01/06
Units:	mg/Kg	Prepared:	12/04/06
Basis:	as received	Analyzed:	12/05/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC366938

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<0.4420	49.87	42.80	86	37-153

Surrogate	%REC	Limits
Hexacosane	82	48-130

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC366939

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.90	37.02	74	37-153	15	43

Surrogate	%REC	Limits
Hexacosane	69	48-130

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California Title 26 Metals

Lab #: 191202		Project#:	STANDARD
Client: ACC Environmental Consultants		Location:	160 14th Street
Field ID:	S-COMP	Diln Fac:	1.000
Lab ID:	191202-005	Sampled:	12/04/06
Matrix:	Soil	Received:	12/04/06
Units:	mg/Kg	Analyzed:	12/05/06
Basis:	as received		

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	3.0	120040	12/04/06	EPA 3050B	EPA 6010B
Arsenic	1.7	0.25	120040	12/04/06	EPA 3050B	EPA 6010B
Barium	73	0.50	120040	12/04/06	EPA 3050B	EPA 6010B
Beryllium	0.24	0.10	120040	12/04/06	EPA 3050B	EPA 6010B
Cadmium	0.57	0.25	120040	12/04/06	EPA 3050B	EPA 6010B
Chromium	39	0.50	120040	12/04/06	EPA 3050B	EPA 6010B
Cobalt	4.7	1.0	120040	12/04/06	EPA 3050B	EPA 6010B
Copper	11	0.50	120040	12/04/06	EPA 3050B	EPA 6010B
Lead	46	0.15	120040	12/04/06	EPA 3050B	EPA 6010B
Mercury	0.058	0.020	120066	12/05/06	METHOD	EPA 7471A
Molybdenum	ND	1.0	120040	12/04/06	EPA 3050B	EPA 6010B
Nickel	20	1.0	120040	12/04/06	EPA 3050B	EPA 6010B
Selenium	ND	0.25	120040	12/04/06	EPA 3050B	EPA 6010B
Silver	ND	0.25	120040	12/04/06	EPA 3050B	EPA 6010B
Thallium	ND	0.25	120040	12/04/06	EPA 3050B	EPA 6010B
Vanadium	26	0.50	120040	12/04/06	EPA 3050B	EPA 6010B
Zinc	38	1.0	120040	12/04/06	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC366975	Batch#:	120040
Matrix:	Soil	Prepared:	12/04/06
Units:	mg/Kg	Analyzed:	12/05/06
Basis:	as received		

Analyte	Result	RL
Antimony	ND	3.0
Arsenic	ND	0.25
Barium	ND	0.50
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.50
Cobalt	ND	1.0
Copper	ND	0.50
Lead	ND	0.15
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	0.25
Silver	ND	0.25
Thallium	ND	0.25
Vanadium	ND	0.50
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	120040
Units:	mg/Kg	Prepared:	12/04/06
Basis:	as received	Analyzed:	12/05/06
Diln Fac:	1.000		

Type: BS Lab ID: QC366976

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	98.93	99	80-120
Arsenic	50.00	48.47	97	80-120
Barium	100.0	97.09	97	80-120
Beryllium	2.500	2.491	100	80-120
Cadmium	10.00	10.06	101	80-120
Chromium	100.0	95.85	96	80-120
Cobalt	25.00	23.49	94	80-120
Copper	12.50	11.98	96	80-120
Lead	100.0	93.98	94	80-120
Molybdenum	20.00	20.39	102	80-120
Nickel	25.00	23.84	95	80-120
Selenium	50.00	48.18	96	80-120
Silver	10.00	9.290	93	80-120
Thallium	50.00	48.36	97	80-120
Vanadium	25.00	23.90	96	80-120
Zinc	25.00	24.74	99	80-120

Type: BSD Lab ID: QC366977

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.7	101	80-120	2	20
Arsenic	50.00	49.22	98	80-120	2	20
Barium	100.0	99.24	99	80-120	2	20
Beryllium	2.500	2.546	102	80-120	2	20
Cadmium	10.00	10.30	103	80-120	2	20
Chromium	100.0	98.11	98	80-120	2	20
Cobalt	25.00	23.96	96	80-120	2	20
Copper	12.50	12.19	98	80-120	2	20
Lead	100.0	96.70	97	80-120	3	20
Molybdenum	20.00	20.94	105	80-120	3	20
Nickel	25.00	24.35	97	80-120	2	20
Selenium	50.00	49.36	99	80-120	2	20
Silver	10.00	9.517	95	80-120	2	20
Thallium	50.00	49.35	99	80-120	2	20
Vanadium	25.00	24.45	98	80-120	2	20
Zinc	25.00	26.24	105	80-120	6	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	120040
MSS Lab ID:	191218-002	Sampled:	12/04/06
Matrix:	Soil	Received:	12/04/06
Units:	mg/Kg	Prepared:	12/04/06
Basis:	as received	Analyzed:	12/05/06
Diln Fac:	1.000		

Type: MS Lab ID: QC366978

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	1.033	104.2	52.19	49	1-126
Arsenic	3.591	52.08	50.41	90	74-120
Barium	85.75	104.2	191.4	101	53-134
Beryllium	0.3375	2.604	2.951	100	78-120
Cadmium	0.9229	10.42	11.07	97	71-120
Chromium	53.62	104.2	154.3	97	64-120
Cobalt	5.857	26.04	32.55	103	64-120
Copper	16.78	13.02	30.63	106	56-139
Lead	165.5	104.2	252.5	84	57-120
Molybdenum	0.1591	20.83	18.65	89	68-120
Nickel	34.44	26.04	62.57	108	48-132
Selenium	<0.07257	52.08	47.18	91	72-120
Silver	<0.04044	10.42	9.050	87	67-120
Thallium	<0.02852	52.08	46.17	89	69-120
Vanadium	49.40	26.04	78.06	110	55-134
Zinc	54.95	26.04	83.40	109	46-133

Type: MSD Lab ID: QC366979

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	101.0	53.25	52	1-126	5	21
Arsenic	50.51	47.20	86	74-120	4	20
Barium	101.0	181.8	95	53-134	3	20
Beryllium	2.525	2.761	96	78-120	4	20
Cadmium	10.10	10.37	94	71-120	4	20
Chromium	101.0	146.3	92	64-120	3	20
Cobalt	25.25	31.07	100	64-120	2	20
Copper	12.63	30.08	105	56-139	0	20
Lead	101.0	276.5	110	57-120	10	20
Molybdenum	20.20	18.20	89	68-120	1	20
Nickel	25.25	57.85	93	48-132	7	20
Selenium	50.51	44.78	89	72-120	2	20
Silver	10.10	8.574	85	67-120	2	20
Thallium	50.51	43.48	86	69-120	3	20
Vanadium	25.25	71.50	88	55-134	8	20
Zinc	25.25	77.80	90	46-133	6	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC367082	Batch#:	120066
Matrix:	Soil	Prepared:	12/05/06
Units:	mg/Kg	Analyzed:	12/05/06

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California Title 26 Metals

Lab #:	191202	Location:	160 14th Street
Client:	ACC Environmental Consultants	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	120066
Units:	mg/Kg	Prepared:	12/05/06
Basis:	as received	Analyzed:	12/05/06

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC367083	0.5000	0.5220	104	80-120		
BSD	QC367084	0.5000	0.5160	103	80-120	1	20

RPD= Relative Percent Difference

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510)486-0900 Phone
(510)486-0532 Fax

C&T LOGIN # 191202

Sampler: Lorena Benitez

Project Number: 6179-014.02

Report To: Lorena Benitez/Dave Dement

Project Name: 160 14th Street

Company : ACC Environmental Consultants, Inc

Project P.O.:

Telephone: (510) 638-8400 ext. 127

Turnaround Time: 48 Hour Turnaround

Fax: (510) 638-8404

Lab No.	Sample Identity	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	TPHg, BTEX w/8260B	TEPH as motor oil & diesel	CAM 17	COMPOSITE
-1	S1-2.5	12/4/06 1035	X			1				X				
-2	S2-0.5	1037	X			1				X				
-3	S3-0.5	1040	X			1				X				
-4	S4-0.5	1043	X			1				X				
-5	5-Comp										1	1	1	1

Notes:

Supply GeoTracker EDF:

Cdd, Intact

4pt Comp = "5" Comp.

Global ID

RELINQUISHED BY:

12/4/06 1105 DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

12/4/01 11:05 DATE/TIME

DATE/TIME

DATE/TIME