

Treadwell & Rollo

501 14th Street, 3rd Floor
Oakland, California 94612
Phone: 510/874-4500
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Date: 17 January 2006

Project No.: 3149.01

LETTER OF TRANSMITTAL

Attention: Donna Drogos

Company: Alameda Co. Dept. of Environmental Health

Address: 1131 Harbor Bay Parkway

Alameda, CA 94502-6577

Subject: Pleasanton Site Excavations

We are sending you

Attached

Under separate cover

Via Mail

Overnight Delivery

Courier

Alameda County
JAN 19 2006
Environmental Health

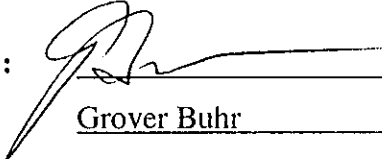
Submittal No.	Copies	No. of Pages	Description
1	1	12	Treadwell & Rollo Letter Report <i>Completion of Focused Excavations, Pleasanton Assisted Living Facility, Pleasanton, California, dated 9 January 2006</i>

These are transmitted as checked below:

For approval For your use As requested
 For review and comment

Remarks: _____

Signed: _____


Grover Buhr

Ext: 529

Copy To: _____

9 January 2006
Project No. 3149.01

Ms. Lisa Grady
BRIDGE Housing Corporation
345 Spear Street, Suite 700
San Francisco, California 94105

Subject: Completion of Focused Excavations
Pleasanton Assisted Living Facility
Pleasanton, California

JAN 12 2006
Environmental Health

Dear Ms. Grady:

Treadwell & Rollo, Inc. is pleased to provide this letter report documenting the removal of hydrocarbon-impacted soil from four focused excavations at the above-referenced Site. This work was performed on behalf of BRIDGE Housing Corporation, in accordance with the revised scope of work in our Budget Increase Request No. 3, dated 16 November 2005, to our contract dated 7 May 2001.

BACKGROUND

The Site consists of approximately 2.6 acres of relatively flat land bordered by Centennial Park to the north, Sunol Boulevard to the east, Junipero Street to the south, and a residential development to the west (attached Figure 1). The Site has been vacant since 1991. BRIDGE is currently building a 107-unit assisted living facility for senior citizens on the Site. A redevelopment Site plan is provided in the attached Figure 2.

The Site was previously the southernmost part of the City of Pleasanton Corporation Yard, which operated from 1957 to 1991. This part of the Corporation Yard was used for aeration ponds for treated water from the City wastewater treatment plant located in the north part of the yard (i.e., north of the Site). This treated water was aerated to increase the dissolved oxygen prior to use for irrigation at neighboring properties. Use of the ponds was discontinued in 1986 and the ponds were subsequently filled with imported fill.

Previous environmental investigations included a *Phase I Environmental Site Assessment of Vacant Lot, Corner of Sunol Boulevard and Junipero Street, Pleasanton, California* (26 October 2001) by ATC Associates, Inc. (ATC) and a *Phase II Environmental Site Assessment, Pleasanton Assisted Living Facility, Junipero Street and Sunol Boulevard, Pleasanton, California* (21 June 2004) by Treadwell & Rollo.

The ATC Phase I ESA concluded that the Site had been used for aeration ponds for treated wastewater from the treatment plant north of the Site in the Corporation Yard. The ESA also noted that five underground storage tanks had been removed from the part of the Corporation Yard north of the Site and that these tanks had been granted closure by the San Francisco Bay

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Regional Water Quality Control Board (RWQCB). ATC recommended a limited soil and groundwater investigation be performed at the Site, although the report did not specify the potential chemicals of concern to be investigated.

Treadwell & Rollo performed a Phase II ESA in 2004, to investigate chemical conditions in soil and groundwater. Treadwell & Rollo collected 52 soil samples and 2 groundwater samples from 4 exploratory borings and 20 test pits. The locations of these samples are shown in Figure 2. Soil samples were selectively analyzed for CAM-17 metals, Total Petroleum Hydrocarbons (TPH) quantified as diesel (TPH-d), TPH quantified as motor oil (TPH-mo), Semi-Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), and pesticides. Groundwater samples were analyzed for TPH-quantified as gasoline (TPH-g), TPH-d, TPH-mo, Volatile Organic Compounds (VOCs), and the Leaking Underground Fuel Storage Tank (LUFT) 5 Metals.

The analytical results were compared with Environmental Screening Levels (ESLs) for residential site use, where groundwater is a potential source of drinking water, as defined in the RWQCB February 2005 Interim Final document titled *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. The results indicated TPH-d and TPH-mo concentrations that exceeded ESLs in soil in three locations, at exploratory borings EB-3 and EB-4, and test pit TP-4. In addition, total chromium in soil exceeded its ESL (58 milligrams per kilogram, or mg/Kg) in one of four samples collected (in EB-4 at 59 mg/Kg). No other analytical parameters exceeded ESLs in soil.

In groundwater, TPH-d exceeded its ESL (100 micrograms per liter, or ug/L) in one location, at EB-3 at 250 mg/L. No other analytical parameter in groundwater exceeded its ESL.

APPROACH

Treadwell & Rollo prepared a *Soil Management Plan, Pleasanton Assisted Living Facility, Junipero Street and Sunol Boulevard, Pleasanton, California*, dated 25 September 2005, to outline procedures for addressing these chemical exceedances in soil and groundwater. Chemicals addressed in the SMP included TPH-d, TPH-mo, and chromium in soil, and TPH-d in groundwater.

The SMP proposed removing soil containing TPH-d, TPH-mo, and chromium by performing focused remedial excavations at EB-3, EB-4 and TP-4. The focused excavations were to be performed by excavating to five feet below the ground surface (bgs), which was below the depth of chemical occurrence, in square areas measuring ten feet by ten feet. After initial excavation, the base and sidewalls of each excavation would be sampled to evaluate if additional excavation was needed. If base or sidewall samples indicated chemical exceedance of ESLs, the excavation would be extended vertically or laterally, based on where the exceedance was encountered.

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Additional confirmation sampling would then be performed, and additional excavation repeated if necessary.

Re-evaluation of the chromium concentrations detected during the Phase II ESA (39, 33, 35, and 59 mg/kg) and comparison with values for background metals in soil published in *Analysis of Background Distributions of Metals in Soil at Lawrence Berkeley National Laboratory (LBNL, June 2002)* showed the LBNL arithmetic mean of chromium concentrations to be 58 mg/Kg, one mg/Kg less than the maximum value found at the Site. The LBNL arithmetic mean was used by the RWQCB for the ESL, based on background value. The LBNL study found soil chromium concentrations that ranged from 0.92 to 144 mg/Kg, with a 95th percentile for a normal distribution of 100 mg/Kg and a standard deviation of 26 mg/Kg. For these reasons, the range of chromium concentrations found at the Site (39 to 59 mg/Kg) are within background ranges. Therefore, additional sampling for chromium was not performed.

Regarding the groundwater concentration of TPH-d in boring EB-3 (250 ug/L), which exceeds the ESL of 100 ug/L, the SMP noted that the ESL is based on the pathway-specific ESL components for drinking-water toxicity (210 ug/L) and the ceiling value for odor and taste (100 ug/L). Because there will be no groundwater use at the finished development, and because groundwater was not expected to be encountered during redevelopment, no additional activities regarding groundwater were performed.

FOCUSED EXCAVATIONS

On 3 and 4 October 2005, Treadwell & Rollo observed the focused excavations at EB-3, EB-4 and TP-4. The locations of these excavations are shown in Figure 3. The analytical results for confirmation samples collected during the excavation are provided in Table 1. Laboratory reports for all samples are provided on the attached CD-ROM. Excavated soil was stored in stockpiles adjacent to the excavations, placed on visqueen tarpaulins and also covered with tarpaulins pending disposal.

Excavation EB-3

Excavation EB-3 was advanced to 5 feet bgs in a ten- by ten-foot area. At 3 feet bgs, hydrocarbon odors were noted and a "slight greenish" color noted in the soil. Samples were collected at 5 feet bgs in the base of the excavation and at 4 feet bgs in each of the sidewalls, all in the "greenish" soil. The excavation was deepened to attempt to excavate below the "greenish" soil. At 8 feet bgs, the odor and greenish coloring ended. The excavation was extended an additional 2.5 feet to 10.5 feet bgs. Samples were again collected in the excavation base (at 10.5 feet bgs) and sidewalls (at 9 feet bgs).

Soil samples were analyzed for TPH-d and TPH-mo using EPA Method 8015C with the silica-gel rinse preparation method. The results are shown in Table 1. No results equaled or exceeded

Ms. Lisa Grady
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the ESLs, so the excavation was not extended. The excavation was backfilled and recompactd during Site grading activities using adjacent Site soil.

Excavation EB-4

Excavation EB-4 was advanced to 6 feet bgs in a ten- by ten-foot area. No odors or greenish coloring were observed. Confirmation samples were collected in the base of the excavation and in each sidewall at 4 feet bgs. Samples were tested for TPH-d and TPH-mo, as with EB-3. The results (Table 1) show no samples equaled or exceeded the ESLs, so the excavation was not extended. The excavation was backfilled and recompactd during Site grading activities using adjacent Site soil.

Excavation TP-4

Excavation TP-4 was advanced to 5 feet bgs in a ten- by ten-foot area. Confirmation samples were collected in the base at 5 feet bgs and in each sidewall at 4 feet bgs, except for the south sidewall, where the sample was collected at 3 feet bgs because of a concrete obstruction in the fill. Samples were tested for TPH-d and TPH-mo. The results (Table 1) show one sample, in the west wall (TP-4-4.0West), with a TPH-mo concentration of 500 mg/Kg, which is equal to the ESL. No other sample equaled or exceeded the ESLs.

On 13 October 2005, the excavation was extended three feet to the west, to a depth of 5 feet bgs. A confirmation sample was collected in the new western sidewall at 3 feet bgs (TP-4a-3.0). The results were below the ESL, so the excavation was not extended again. The excavation was backfilled and recompactd during Site grading activities using adjacent Site soil.

DISPOSAL OF EXCAVATED SOIL

Excavated soil was placed on visqueen tarpaulins in stockpiles adjacent to each excavation. These stockpiles were also covered with tarpaulins when not being worked. A composite sample of all three stockpiles was collected for disposal profiling (Sample TP4-EB4-EB3) and analyzed for TPH-d, TPH-mo, TPH-g and VOCs. Previous metal analyses were also used for profiling. The results, shown in Table 1, show low levels of TPH-d and TPH-mo below ESLs. TPH-g and VOCs were not detected.

On 20 October 2005, the stockpiles were removed from the Site and transported by Gagliasso Trucking for disposal as non-hazardous waste at the Class II Altamont Landfill. The total amount of soil disposed was approximately 175 tons. The landfill weigh certificates are provided on the attached CD-ROM.


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9 January 2006
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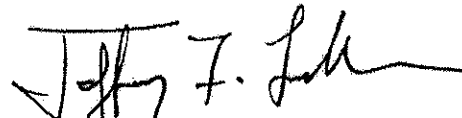
CONCLUSIONS

Soil in three locations at the Site was found to contain TPH-d and TPH-mo at concentrations equal to or exceeding ESLs for residential soil, where groundwater is a potential source of drinking water. These areas of soil were excavated to remove these residual chemicals and the soil was disposed as a non-hazardous waste at Altamont Landfill. Confirmation samples showed the petroleum hydrocarbons exceeding ESLs at these locations to have been removed. No additional environmental activities are warranted at the Site.

Treadwell & Rollo appreciates the opportunity to assist BRIDGE in this important project. We trust this letter provides the information required at this time. If you have any questions or require additional information, please call.

Sincerely yours,
TREADWELL & ROLLO, INC.


Grover S. Buhr, P.G.
Senior Geologist


Jeffrey F. Ludlow, P.G.
Senior Project Manager

31490111.OAK

Attachments: Table 1
 Figures
 Laboratory Reports (CD-ROM)
 Waste Disposal Documentation (CD-ROM)



TABLE

Table 1
Petroleum Hydrocarbons in Focussed Excavations
 Pleasanton Assisted Living Facility
 Pleasanton, California

Sample ID	Sample Date	Depth (feet bgs)	TPH-d	TPH-mo	TPH-g	VOCs
TP-4-5.0	10/3/2005	5.0	3.0	9.5	--	--
TP-4-4.0North	10/3/2005	4.0	46.0	200.0	--	--
TP-4-4.0East	10/3/2005	4.0	29.0	180.0	--	--
TP-4-4.0South	10/3/2005	3.0	39.0	220.0	--	--
TP-4-4.0West	10/3/2005	4.0	66.0	500.0	--	--
EB-4-6.0	10/3/2005	6.0	19.0	140.0	--	--
EB-4-4.0North	10/3/2005	4.0	21.0	160.0	--	--
EB-4-4.0East	10/3/2005	4.0	11.0	67.0	--	--
EB-4-4.0South	10/3/2005	4.0	37.0	150.0	--	--
EB-4-4.0West	10/3/2005	4.0	24.0	150.0	--	--
TP4-EB4-EB3	10/4/2005	SP	2.8	17.0	< 1.0	ND
EB-3-5.0	10/4/2005	5.0	3.8	15.0	--	--
EB-3-4.0North	10/4/2005	4.0	1.6	11.0	--	--
EB-3-4.0East	10/4/2005	4.0	33.0	32.0	--	--
EB-3-4.0South	10/4/2005	4.0	8.7	43.0	--	--
EB-3-4.0West	10/4/2005	4.0	1.4	18.0	--	--
EB-3-10.5	10/4/2005	10.5	< 1.0	< 5.0	--	--
EB-3-9.0North	10/4/2005	9.0	< 1.0	< 5.0	--	--
EB-3-9.0East	10/4/2005	9.0	< 1.0	< 5.0	--	--
EB-3-10.0South	10/4/2005	10.0	< 1.0	< 5.0	--	--
EB-3-9.0West	10/4/2005	9.0	< 1.0	< 5.0	--	--
TP-4a-3.0	10/13/2005	3.0	< 1.0	6.1	--	--
ESL			100	500	100	--

Notes:

Results presented in milligrams per kilogram (mg/kg)

-- = Not analyzed

SP = Soil Stockpile Sample

ND/< 1.0 = not detected above laboratory report limit, which varies with compound

TPH-d - Total Petroleum Hydrocarbons quantified as diesel

TPH-mo = TPH quantified as motor oil

TPH-g = TPH quantified as gasoline

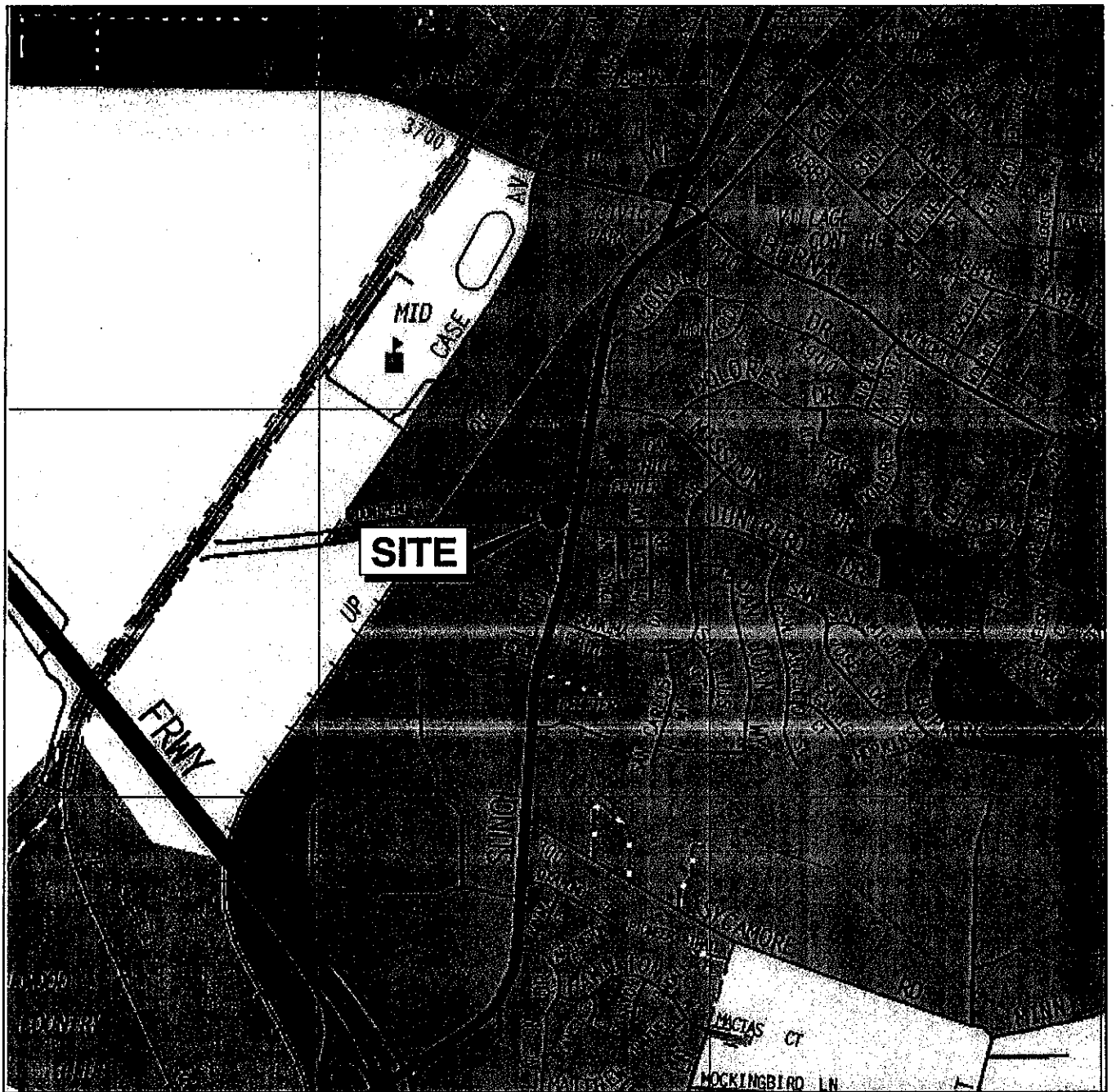
VOCs = Volatile Organic Compounds

ESL = RWQCB Environmental Screening Level for shallow soils

residential use, where groundwater is current or potential source of drinking water

Bold = Reported concentration equals or exceeds ESL

FIGURES



Base map: The Thomas Guide
 Contra Costa County
 1999


 No scale

PLEASANTON ASSISTED LIVING FACILITY
 Pleasanton, California

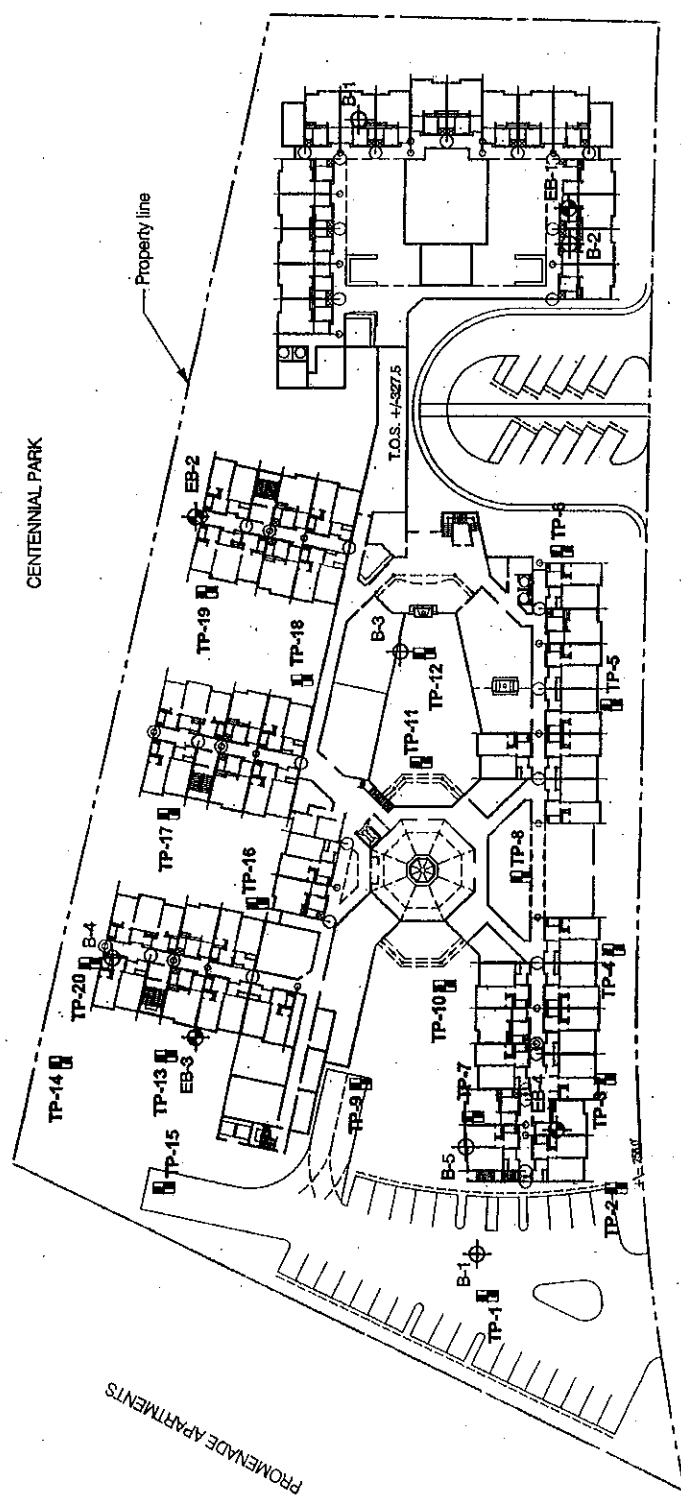
SITE LOCATION MAP

Treadwell&Rollo

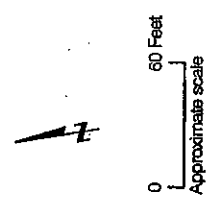
Date 07/16/01

Project No. 3149.01

Figure 1

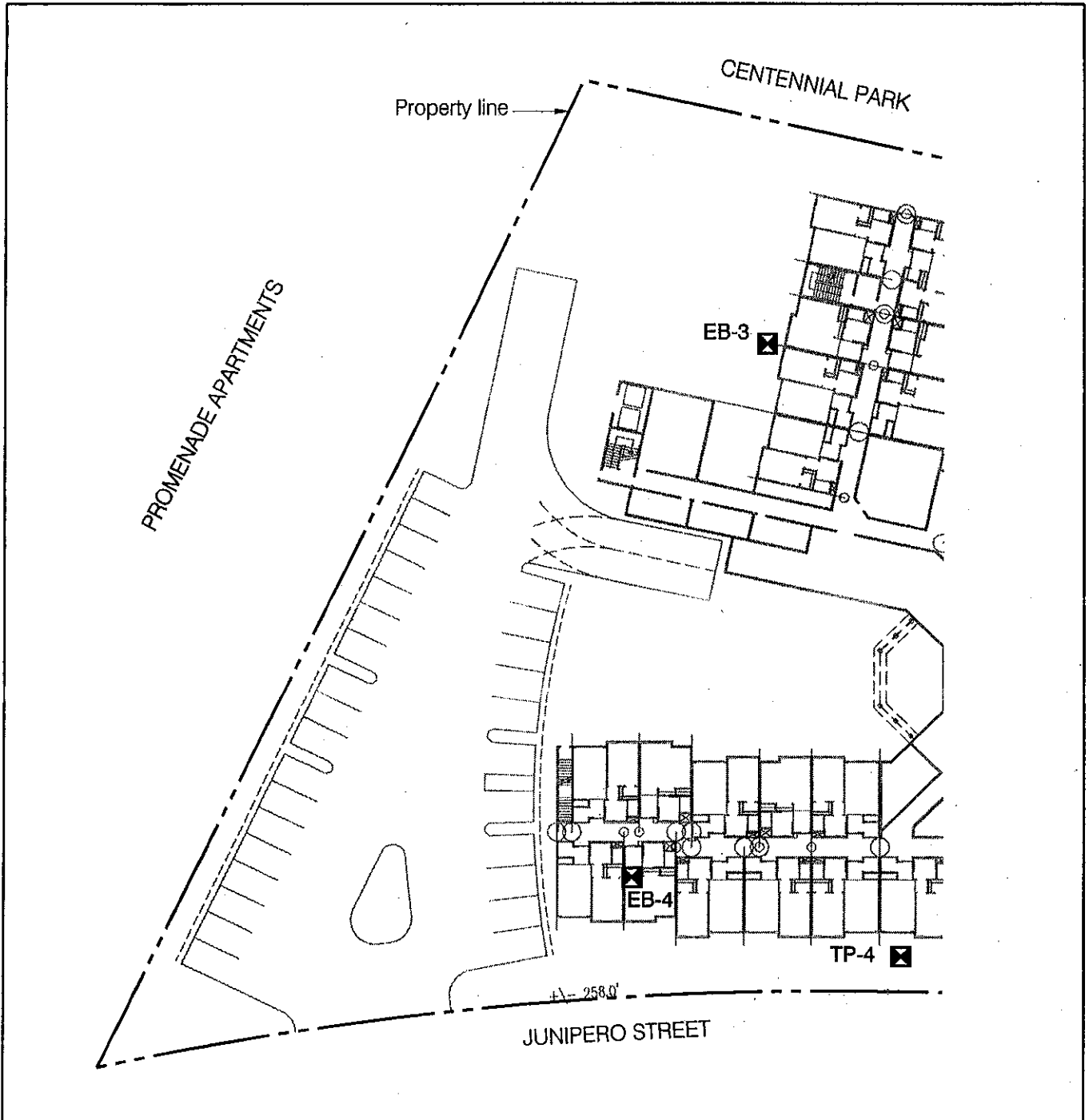


PLEASANTON ASSISTED LIVING FACILITY Pleasanton, California		
SITE PLAN AND EXPLORATION LOCATIONS		
Date 01/04/05	Project No. 3149.01	Figure 2
Treadwell & Rollo		



- EXPLANATION**
- B-1 Approximate location of test boring drilled by Treadwell & Rollo, Inc., on 23 May 2001
 - EB-1 Approximate location of environmental soil borings drilled by Treadwell & Rollo, Inc., on January 2004
 - TP-1 Approximate location of test pits excavated by Treadwell & Rollo, Inc., on 22 April 2004

References: Basis drawing from The Steinberg Group titled Preliminary Site Plan dated 26 March 2001.



EXPLANATION

TP-4  Approximate location of focused excavation



0 50 Feet
Approximate scale

Reference: Base drawing from The Steinberg Group titled Preliminary Site Plan dated 26 March 2001.

OAK - 314901_LOC - EXCAVATION.DWG

PLEASANTON ASSISTED LIVING FACILITY
Pleasanton, California

LOCATIONS OF FOCUSED EXCAVATIONS

Treadwell & Rollo

Date 01/09/06

Project No. 3149.01

Figure 3

Treadwell&Rollo

**LABORATORY REPORTS
WASTE DISPOSAL DOCUMENTATION
(on CD ROM)**



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/03/05
		Date Received: 10/11/05
	Client Contact: Grover Buhr	Date Reported: 10/11/05
	Client P.O.:	Date Completed: 10/11/05

WorkOrder: 0510173

October 11, 2005

Dear Grover:

Enclosed are:

- 1). the results of 10 analyzed samples from your **#3149.01; Pleasanton Assisted Living Facility project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/03/05
	Client Contact: Grover Buhr	Date Received: 10/11/05
	Client P.O.:	Date Analyzed: 10/11/05
		Date Extracted: 10/11/05

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0510173

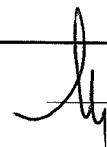
Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0510173-001A	TP-4-5.0	S	3.0,g,b	9.5	1	100
0510173-002A	TP-4-4.0North	S	46,g,b	200	1	100
0510173-003A	TP-4-4.0East	S	29,g	180	2	98
0510173-004A	TP-4-4.0South	S	39,g	220	2	97
0510173-005A	TP-4-4.0West	S	66,g	500	5	93
0510173-006A	EB-4-6.0	S	19,g	140	2	98
0510173-007A	EB-4-4.0North	S	21,g	160	2	88
0510173-008A	EB-4-4.0East	S	11,g	67	1	100
0510173-009A	EB-4-4.0South	S	37,g,b	150	2	81
0510173-010A	EB-4-4.0West	S	24,g	150	2	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510173

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 18461			Spiked Sample ID: 0510138-014a		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	28	20	NR	NR	NR	109	108	0.403	70 - 130	70 - 130
%SS:	103	50	105	107	2.22	106	105	0.351	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18461 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510173-001A	10/03/05 1:12 PM	10/11/05	10/11/05 3:57 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510173

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 18461			Spiked Sample ID: 0510138-014a		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	28	20	NR	NR	NR	109	108	0.403	70 - 130	70 - 130
%SS:	103	50	105	107	2.22	106	105	0.351	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

BATCH 18461 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510173-001A	10/03/05 1:12 PM	10/11/05	10/11/05 3:57 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510173

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 18482			Spiked Sample ID: 0510179-004A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	4.3	20	100	101	0.563	105	105	0	70 - 130	70 - 130
%SS:	92	50	104	105	1.17	104	105	0.242	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18482 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510173-002A	10/03/05 1:15 PM	10/11/05	10/11/05 5:10 PM	0510173-003A	10/03/05 1:18 PM	10/11/05	10/11/05 2:21 PM
0510173-004A	10/03/05 1:21 PM	10/11/05	10/11/05 3:29 PM	0510173-005a	10/03/05 1:24 PM	10/11/05	10/11/05 1:31 PM
0510173-006a	10/03/05 2:45 PM	10/11/05	10/11/05 2:45 PM	0510173-007A	10/03/05 2:47 PM	10/11/05	10/11/05 3:29 PM
0510173-008A	10/03/05 2:55 PM	10/11/05	10/11/05 4:38 PM	0510173-009a	10/03/05 3:03 PM	10/11/05	10/11/05 2:45 PM
0510173-010a	10/03/05 3:11 PM	10/11/05	10/11/05 1:31 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

0510173

720-104

100058

Treadwell & Rollo
Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

RUSH page 1 of 1

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Pleasanton Assisted Living Facility
Job Number: 3149.01
Project Manager/Contact: Araver Bohr
Samplers: Eric Monte
Recorder (Signature Required): [Signature]

Turnaround Time
16:00
5 days

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix & Preservative							No. Containers	Analysis Requested		Silica gel clean-up	Hold	Remarks
				Soil	Water	Other	HCL	H ₂ SO ₄	HNO ₃	Ice		Other				
TP-4-5.0	10/3/05	13:12		X												
TP-4-4.0 North	}	13:15		X												
TP-4-4.0 East		13:18		X												
TP-4-4.0 South		13:21		X												
TP-4-4.0 West		13:24		X												
EB-4-6.0		14:45		X												
EB-4-4.0 North		14:47		X												
EB-4-4.0 East		14:55		X												
EB-4-4.0 South		15:03		X												
EB-4-4.0 West		15:11		X												

RUSH

GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT PRESERVED IN LAB
 DECONTAMINATED IN LAB
 PRESERVATION VOAS O&G METALS OTHER

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10/3/05</u>	Time <u>16:05</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10.11.05</u>	Time <u>0800</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10/11/05</u>	Time <u>10:00</u>	Received by: (Signature) <u>[Signature]</u>	Date	Time
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature) <u>[Signature]</u>	Date <u>10/3/05</u>	Time <u>1605</u>

Sent to Laboratory (Name): STL Laboratories
 Laboratory Comments/Notes:

Method of Shipment Lab courier Fed Ex Airborne UPS
 Hand Carried Private Courier (Co. Name)

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number: **002475**
 Received @ MAI by: [Signature] 10/11/05 958AM



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/04/05
		Date Received: 10/11/05
	Client Contact: Grover Buhr	Date Reported: 10/11/05
	Client P.O.:	Date Completed: 10/11/05

WorkOrder: 0510172

October 11, 2005

Dear Grover:

Enclosed are:

- 1). the results of 11 analyzed samples from your #3149.01; Pleasanton Assisted Living Facility project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
 Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/04/05
	Client Contact: Grover Buhr	Date Received: 10/11/05
	Client P.O.:	Date Extracted: 10/11/05
		Date Analyzed: 10/11/05

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0510172

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0510172-001A	TP4-EB4-EB3	S	2.8,g , b	17	1	99
0510172-002A	EB-3-5.0	S	3.8,g,b,f	15	1	107
0510172-003A	EB-3-4.0North	S	1.6,g	11	1	92
0510172-004A	EB-3-4.0East	S	33,c,g	32	1	100
0510172-005A	EB-3-4.0South	S	8.7,g	43	2	85
0510172-006A	EB-3-4.0West	S	1.4,g	18	1	100
0510172-007A	EB-3-10.5	S	ND	ND	1	99
0510172-008A	EB-3-9.0North	S	ND	ND	1	84
0510172-009A	EB-3-9.0East	S	ND	ND	1	85
0510172-010A	EB-3-10.0South	S	ND	ND	1	100
0510172-011A	EB-3-9.0West	S	ND	ND	1	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis



Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/04/05
	Client Contact: Grover Buhr	Date Received: 10/11/05
	Client P.O.:	Date Extracted: 10/11/05
		Date Analyzed: 10/11/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0510172

Lab ID	0510172-001A
Client ID	TP4-EB4-EB3
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	99	%SS2:	100
%SS3:	95		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510172

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 18478			Spiked Sample ID: 0510170-010A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	0.60	116	113	2.94	109	110	0.293	70 - 130	70 - 130
MTBE	ND	0.10	81.8	83.1	1.64	85.7	85.1	0.691	70 - 130	70 - 130
Benzene	ND	0.10	88.4	88	0.389	88.2	87.8	0.471	70 - 130	70 - 130
Toluene	ND	0.10	88.2	87.6	0.765	86.5	87.5	1.20	70 - 130	70 - 130
Ethylbenzene	ND	0.10	92.3	91.4	0.987	91.7	90.9	0.905	70 - 130	70 - 130
Xylenes	ND	0.30	94.3	94.3	0	94.3	90.3	4.33	70 - 130	70 - 130
%SS:	92	0.10	110	105	4.65	101	107	5.77	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18478 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510172-001A	10/04/05 9:05 AM	10/11/05	10/11/05 1:46 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510172

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 18461			Spiked Sample ID: 0510138-014a		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	28	20	NR	NR	NR	109	108	0.403	70 - 130	70 - 130
%SS:	103	50	105	107	2.22	106	105	0.351	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 18461 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510172-001A	10/04/05 9:05 AM	10/11/05	10/11/05 1:13 PM	0510172-002a	10/04/05 9:08 AM	10/11/05	10/11/05 1:13 PM
0510172-003A	10/04/05 9:11 AM	10/11/05	10/11/05 1:12 PM	0510172-004A	10/04/05 9:14 AM	10/11/05	10/11/05 1:12 PM
0510172-005A	10/04/05 9:19 AM	10/11/05	10/11/05 2:21 PM	0510172-006A	10/04/05 9:23 AM	10/11/05	10/11/05 2:20 PM
0510172-007A	0/04/05 10:40 AM	10/11/05	10/11/05 6:47 PM	0510172-008A	0/04/05 11:00 AM	10/11/05	10/11/05 6:21 PM
0510172-009A	0/04/05 11:04 AM	10/11/05	10/11/05 5:10 PM	0510172-010A	0/04/05 11:08 AM	10/11/05	10/11/05 4:34 PM
0510172-011A	0/04/05 11:12 AM	10/11/05	10/11/05 5:41 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510172

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 18432			Spiked Sample ID: 0510046-012A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	94.1	94.1	0	93.4	94	0.599	70 - 130	70 - 130
Benzene	ND	0.050	116	119	2.78	118	120	1.84	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	89.7	86.2	3.95	92.2	89.9	2.56	70 - 130	70 - 130
Chlorobenzene	ND	0.050	108	109	1.32	105	108	3.42	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	95.1	94.6	0.492	94	94.6	0.688	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	120	112	6.68	113	118	4.21	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	119	116	2.63	110	113	3.11	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	113	113	0	110	112	1.57	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	100	98.3	1.78	97.4	98.3	0.943	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	103	102	0.938	102	102	0	70 - 130	70 - 130
Toluene	ND	0.050	103	104	0.239	99.5	103	3.79	70 - 130	70 - 130
Trichloroethene	ND	0.050	93.4	92.7	0.725	90.2	93.2	3.27	70 - 130	70 - 130
%SS1:	103	0.050	107	106	1.17	107	106	1.18	70 - 130	70 - 130
%SS2:	101	0.050	100	99	0.692	99	99	0	70 - 130	70 - 130
%SS3:	97	0.050	114	114	0	114	113	0.275	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 18432 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510172-001A	10/04/05 9:05 AM	10/11/05	10/11/05 3:02 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

SEVERN
TRENT

0510172
STL

720-107

STL San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 484-1096
Email: sflogin@stl-inc.com

RUSH # 100088

Date 10/4/05 Page 1 of 2

Gsbuhr@treadwellrollo.com

Report To Analysis Request

Attn: Grover Buhr
Company: Treadwell & Rollo
Address: 501 14th St, 3rd Flr, Oakland, CA
Phone: (510) 874-4500
Bill To: Grover Buhr
Treadwell & Rollo
Sampled By: Eric Morita
Phone: (510) 874-4500

Sample ID	Date	Time	Mat rix	Pres erv.	TPH EPA - 8015/8021 <input type="checkbox"/> 8260B <input checked="" type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTX EPA - 8021 <input type="checkbox"/> 8260B	TEPH EPA 8015M* <input checked="" type="checkbox"/> Silica Gel <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fuel Tests EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	Purgeable Halocarbons (HVOCS) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) EPA 8260E <input type="checkbox"/> 624	Semivolatiles GC/MS EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	W.E.T (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	Number of Containers	
TP4-EB4-EB3	10/4/05	9:05	soil	ICE	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>													
EB-3-5.0		9:08	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-4.0 North		9:11	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-4.0 East		9:14	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-4.0 South		9:19	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-4.0 West		9:23	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-10.5		10:40	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-9.0 North		11:00	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-9.0 East		11:04	soil	ICE			<input checked="" type="checkbox"/>																
EB-3-10.0 South		11:08	soil	ICE			<input checked="" type="checkbox"/>																

Project Info.
Project Name: Pleasanton Assisted Living Facility
Project#: 3149.01
PO#:
Credit Card#:
Temp: 30
Conforms to record:
of Containers: 11 total
Head Space: N/A

1) Relinquished by: [Signature] 12:20
Signature: Eric Morita Time: 12:20
Printed Name: Eric Morita Date: 10/4/05
Company: Treadwell & Rollo

2) Relinquished by: [Signature] 10:00
Signature: MUSA Time: 10:00
Printed Name: MUSA Date: 10/11/05
Company: STL S-T

3) Relinquished by: [Signature]
Signature: _____ Time: _____
Printed Name: _____ Date: _____
Company: _____

Report: Full Level 3 Level 4 EDD State Tank Fund EDD
Spec: Global ID
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS PRESERVED IN LAB
PRESERVATION VOAS O&G METALS OTHER

1) Received by: [Signature] 1220
Signature: Joan Muller Time: 1220
Printed Name: Joan Muller Date: 10-4-05
Company: STL S-T

2) Received by: [Signature]
Signature: [Signature] Time: 0800
Printed Name: _____ Date: 10/4/05
Company: SILCS-P

3) Received by: [Signature]
Signature: [Signature] Time: _____
Printed Name: Maria Verregas Date: _____
Company: MAI

*STL SF reports 8015M from C₉-C₂₄ (industry norm). Default for 8015B is C₁₀-C₂₈.



STL

email: gsbuhr@treadwellrollo.com

STL San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 484-1096
Email: sflogin@stl-inc.com

720-107 Reference #: 100088

Date 10/4/05 Page 2 of 2

Report To Analysis Request

Table with columns for Attn, Company, Address, Phone, Bill To, Sample ID, Date, Time, Mat, Pres, and various analysis request checkboxes like TPH, Silica Gel, Fuel Tests, etc.

Project Info and Sample Receipt section containing Project Name, Project#, PO#, Credit Card#, Temp, and Conforms to record.

1) Relinquished by: Signature and Time of Eric Morita on 10/4/05.

2) Relinquished by: Signature and Time of [Signature] on 10/11/05.

3) Relinquished by: Signature and Time fields.

Report type checkboxes (Routine, Level 3, etc.) and Special Instructions / Comments.

1) Received by: Signature and Time of Joan Muller on 10/11/05.

2) Received by: Signature and Time of [Signature] on 10/11/05.

3) Received by: Signature and Time fields.

*STL SF reports 8015M from C9-C24 (industry norm). Default for 8015B is C10-C28.

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

WorkOrder: 0510172

ClientID: TWRK

EDF: NO

Report to:

Grover Buhr
 Treadwell & Rollo
 501 14Th Street, 3rd Floor
 Oakland, CA 94612

TEL: (510) 874-4500
 FAX: (510) 874-4507
 ProjectNo: #3149.01; Pleasanton Assisted Living F
 PO:

Bill to:

Accounts Payable
 Treadwell & Rollo
 501 14Th Street, 3rd Floor
 Oakland, CA 94612

Requested TAT:

1 day

Date Received: 10/11/2005

Date Printed: 10/11/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0510172-001	TP4-EB4-EB3	Soil	10/4/05 9:05:00 AM	<input type="checkbox"/>	A	A														
0510172-002	EB-3-5.0	Soil	10/4/05 9:08:00 AM	<input type="checkbox"/>			A													
0510172-003	EB-3-4.0North	Soil	10/4/05 9:11:00 AM	<input type="checkbox"/>			A													
0510172-004	EB-3-4.0East	Soil	10/4/05 9:14:00 AM	<input type="checkbox"/>			A													
0510172-005	EB-3-4.0South	Soil	10/4/05 9:19:00 AM	<input type="checkbox"/>			A													
0510172-006	EB-3-4.0West	Soil	10/4/05 9:23:00 AM	<input type="checkbox"/>			A													
0510172-007	EB-3-10.5	Soil	10/4/05 10:40:00	<input type="checkbox"/>			A													
0510172-008	EB-3-9.0North	Soil	10/4/05 11:00:00	<input type="checkbox"/>			A													
0510172-009	EB-3-9.0East	Soil	10/4/05 11:04:00	<input type="checkbox"/>			A													
0510172-010	EB-3-10.0South	Soil	10/4/05 11:08:00	<input type="checkbox"/>			A													
0510172-011	EB-3-9.0West	Soil	10/4/05 11:12:00	<input type="checkbox"/>			A													

Test Legend:

1	8260B_S	2	G-MBTEX_S	3	TPH(DMO)WSG_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments: 24hr Rush

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



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #3149.01; Pleasanton Assisted Living Facility	Date Sampled: 10/13/05
		Date Received: 10/13/05
	Client Contact: Grover Buhr	Date Reported: 10/14/05
	Client P.O.:	Date Completed: 10/14/05

WorkOrder: 0510253

October 14, 2005

Dear Grover:

Enclosed are:

- 1). the results of 1 analyzed sample from your **#3149.01; Pleasanton Assisted Living Facility project,**
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0510253

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 18541			Spiked Sample ID: 0510286-003A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	16	20	26.3, F1	27.4, F1	0.987	99	99.5	0.516	70 - 130	70 - 130
%SS:	95	50	99	92	7.14	87	90	3.35	70 - 130	70 - 130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										
F1 = MS / MSD exceed acceptance criteria. LCS - LCSD validate prep batch.										

BATCH 18541 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0510253-001A	10/13/05 8:40 AM	10/13/05	0/13/05 11:50 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = $100 * (MS - Sample) / (Amount Spiked)$; $RPD = 100 * (MS - MSD) / ((MS + MSD) / 2)$.
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 N/A = not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 09:24
TIME OUT: 09:24

TICKET: 572872-1
I/O: I
STAGE TICKET: 592810

CARRIER: BRIAN / brians trk

TRUCK: 101

TRAILER#:

CUSTOMER: CASH / Cash Customers Altamont Landfill

GENERATOR: PLEA ASSIS / Pleasanton Assisted Living

ORIGIN: PLEAS / Pleasanton

DESTINATION: M App

MANIFEST WAS DESCRIP

PROFILE: 55334600

PO:

03-029

WAF	C2C	QUANTITY	PER RATE	AMOUNT	TAX	TOTAL
		20.80		416.00	\$ 0.00	\$ 416.00

DEPUTY IN: Phill

DEPUTY OUT: Phill

CUSTOMER:

GROSS: 7310 LBS
TARE: 3150 LBS
NET: 4160 LBS TONS: 20.8

My signature, as of this date, certifies that the information on this certificate is correct, and understand and agree to all WM rules and policies which are on site.

WASTE MANAGEMENT

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER Altamont Landfill & RRF
10640 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 15:09
TIME OUT: 15:09

TICKET: 673014
I/O: 1
STAGE TICKET: 592451

CARRIER: BRIAN / brians trk
TRUCK: 101 TRAILER#:
CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEASANTS / Pleasanton Assisted Living
ORIGIN: PLEASANTS
DESTINATION: Napa App
MANIFEST WASTE CRI

WASTE	PER RATE	AMOUNT	TAX	TOTAL
WAF C20	20.00	455.00	\$ 0.00	\$ 455.00

DEPUTY IN: Brown
DEPUTY OUT: Brown

ROSS: 7700 LBS
FARE: 315.00 LBS
TAX: 22.75

CUSTOMER:

WASTE MANAGEMENT

WEIGHMASTER CERTIFICATE

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

4/2

OCT-27-2005 11:23 FROM:ALAMONT LANDFILL

925 455 7381

TO:914069464337

P.2/3

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 09:07
TIME OUT: 09:09

TICKET#: 572880-1
VO: I
STAGE TICKET: 592756

CARRIER: PETERSEN / PETERSEN TRANSPORT
TRUCK: 337 TRAILER#:
CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEA ASSIS / Pleasanton Assisted Living
ORIGIN: PLEAS / Pleasanton
DESTINATION: NA / Non App
MANIFEST WASTE / DESCRIPTION

PROFILE: 55334601

PO:

MANIFEST	WASTE / DESCRIPTION	QNTY	PER	RATE	AMOUNT	TAX	TOTAL
WAF	C2D / Class II Disposa	20.29	T	59.00	\$ 1197.11	\$ 0.00	\$ 1197.11

DEPUTY IN: Shari Laine
DEPUTY OUT: Shari Laine

GROSS: 72640 LBS
TARE: 32060 LBS
NET: 40580 LBS

Manual
Manual
TONS: 20.29

CUSTOMER:

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 11:32
TIME OUT: 11:32

TICKET: 572932-1
I/O: 1
STAGE TICKET: 592366

CARRIER: BRIAN / brians trk
TRUCK: 101 TRAILER#:

CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEA ASSIS / Pleasanton Assisted Living

ORIGIN: PLEASANTON CA 94566
DESTINATION: N. App

MANIFEST WASTE CRI
WAF C2D I
T 5.000 1309.80 \$ 0.00 \$ 1309.80

DEPUTY IN: PHILLIP
DEPUTY OUT: PHILLIP

GROSS: 7590 LBS
TARE: 3150 LBS
NET: 4440 LBS TON: 22.2

CUSTOMER:

WASTE MANAGEMENT

My signature, as customer, confirms the information reported by the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 11:36
TIME OUT: 11:36

TICKET: 572933-1
I/O: J.
STAGE TICKET: 592367

CARRIER: PETERSEN / PETERSEN TRANSPORT
TRUCK: 337 TRAILER#:

CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEA ASSIS / Pleasanton Assisted Living

ORIGIN: PLEASANTON CA PERMIT: 55334021

DESTINATION: Napa App

MANIFEST WASTE CRI

WAF C2D T 5.00 \$ 171.15 \$ 0.00 \$ 1171.15

DEPUTY IN: PHILLIP

DEPUTY OUT: PHILLIP

GROSS: 7176 LBS

TARE: 3200 LBS

NET: 3976 LBS TOL: 19.85

CUSTOMER:

WASTE MANAGEMENT

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 13:06
TIME OUT: 13:06

TICKET: 572977-1
I/O: I
STAGE TICKET: 592411

CARRIER: PETERSEN / PETERSEN TRANSPORT
TRUCK: 337 TRAILER#:

CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEASANTON / Pleasanton Assisted Living

ORIGIN: PLEASANTON
DESTINATION: N. App
MANIFEST WASTE CRI

PO:
E: 5535401

MANIFEST	WASTE	CRI	QTY	PER RATE	AMOUNT	TAX	TOTAL
WAF	C2D	I	10	T 57.00	413.00	\$ 0.00	\$ 1413.05

DEPUTY IN: PHILLIP
DEPUTY OUT: PHILLIP

GROSS: 7990 LBS
FARE: 320.00 LBS
NET: 4790 LBS TOL: 23.95

CUSTOMER:

WASTE MANAGEMENT

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

05-029

WEIGHMASTER Altamont Landfill & RRF
10040 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 13:17
TIME OUT: 13:17

TICKET: 572981-1
I/O: I
STAGE TICKET: 592415

CARRIER: BRIAN / brians trk

TRUCK: 101

TRAILER#:

CUSTOMER: CASH / Cash Customers Altamont Landfill

GENERATOR: PLEA ASSIS / Pleasanton Assisted Living

ORIGIN: PLEAS anto

PHONE: 55334611

PN:

DESTINATION: NA App

MANIFEST WASTE CRI

WAF

C2D

10

T

50.00

AMOUNT

TAX

TOTAL

\$ 1298.50 \$ 0.00 \$ 1298.50

DEPUTY IN: Phill

DEPUTY OUT: Phill

GROSS: 7552 LBS

TARE: 3150 LBS

NET: 4402 LBS : 22.01

CUSTOMER:

WASTE MANAGEMENT

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

05-029

WEIGHMASTER Altamont Landfill & RRF
10840 Altamont Pass Road
Livermore CA 94550

DATE: 10/20/2005
TIME IN: 15:02
TIME OUT: 15:02

TICKET: 573012-1
I/O: I
STAGE TICKET: 592449

CARRIER: PETERSEN / PETERSEN TRANSPORT
TRUCK: 337 TRAILER#:
CUSTOMER: CASH / Cash Customers Altamont Landfill
GENERATOR: PLEASANTON / Pleasanton Assisted Living
ORIGIN: PLEASANTON
DESTINATION: N. App.
MANIFEST WASTE CRI

PG: 1
WE: 56334501

MANIFEST	WASTE	CRI	UNIT	PER RATE	AMOUNT	TAX	TOTAL
WAF	C2D	7	T	5.00	1371.16	\$ 0.00	\$ 1371.16

DEPUTY IN: Brown
DEPUTY OUT: Brown

ROSS: 78540 LBS
TARE: 32000 LBS
NET: 46540 LBS : 23.24

CUSTOMER:

WASTE MANAGEMENT

My signature, as customer, confirms the information reported to the weighmaster is correct, and understand and agree to all WM rules and policies while on site.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.