MAIN STREET
PROPERTY SERVICES, INC

Februaru 14, 2005

Bob Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: Phase II Report
Project No. 10365
7272 San Ramon Road, Dublin, CA

Dear Bob:

Thank you for taking my call Monday regarding a recent Phase II Investigation at the above mentioned address.

I represent, as a real estate agent, the owners of the shopping center where the investigation took place. We are presently in contract to sell the center and are anxious to learn what, if any, may be required by your agency or the Regional Water Quality Control Board based upon the findings in the Report. I have enclosed a copy of the Report in the event you have not received one from Zone 7 Water Agency.

Any information your agency could provide to us would be appreciated.

Cordially,
MAIN STREET PROPERTY SERVICES, INC.

Bruce Burrows x 350
Senior Retail Consultant

985 MORAGA ROAD, SUITE 202, LAFAYETTE, CA 94549
TELEPHONE 925 299 8170 • FAX 925 284 2331
www.MSPSinc.com

February 8, 2005

PHASE II SUBSURFACE INVESTIGATION REPORT

7272 San Ramon Road
Dublin, California

Project No. 10365

Prepared For

Mr. Gabriel Chiu
10848 Inspiration Circle
Dublin, CA 94568

Prepared By

AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597
(925) 283-6000

AEI

2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597
Phone: (925) 283-6000 Fax: (925) 944-2895

February 8, 2005

Mr. Gabriel Chiu
10848 Inspiration Circle
Dublin, CA 94568

Subject: **Phase II Subsurface Investigation**
7272 San Ramon Road
Dublin, California
AEI Project No. 10365

Dear Mr. Chiu:

The following letter report describes the activities and results of the subsurface investigation performed by AEI Consultants at the above referenced property (Figure 1: Site Location Map). The investigation included the collection and analyses of soil and groundwater samples from three (3) shallow soil borings advanced on the property. The investigation was designed to investigate whether a significant release of volatile organic compounds, particularly tetrachloroethene (PCE), had occurred from the current or previous dry-cleaning operation located on the property.

I Background

The subject property (hereinafter referred to as the "site" or "property") is one suite in a commercial building located on the west side of San Ramon Road. The site is located in a mixed residential / commercial area of Dublin, California.

AEI performed a Phase I Environmental Site Assessment (ESA) of the property 7214 – 7300 San Ramon Road in December 2004. Historical resources and site reconnaissance revealed that one of the units of the building (7272 San Ramon Road) has been occupied by a dry-cleaning facility since 1988. The dry-cleaning machine and solvent storage area are located in the back of the building; however, no information is known as to previous solvent storage areas. Based on the duration of dry-cleaning on the property, the ESA recommended that a subsurface investigation be performed.

II Investigative Efforts

Prior to mobilization onsite, a drilling permit (# 25010) was obtained from the Alameda Zone 7 Water Agency. Underground Service Alert North was notified to identify public utilities in the planned work area at least two days prior to drilling.

AEI performed the subsurface investigation at the property on January 27, 2005. A total of three (3) soil borings (SB-1 to SB-3) were advanced. SB-1 and SB-2 were placed adjacent to the dry-

cleaning machine and current solvent storage areas. SB-3 was placed just outside the back door of the unit on a walkway. The locations of the soil borings are shown on Figure 2.

Soil Sample Collection

The borings were advanced with a limited-access direct-push drilling rig. In each location, a core was cut in the concrete surfacing and the boring hand cleared to a depth of 4 feet below ground surface (bgs). The borings were then each drilled to a depth of 12 feet bgs.

Soil cores were continuously collected in 1 3/4" diameter acrylic liners and logged by the onsite AEI engineer. At selected depths, six-inch samples were cut from the liners. Soil samples were collected at 5 feet and 8 feet bgs. Soil samples were screened in the field with a portable organic vapor meter (OVM). Selected samples were sealed with Teflon tape and plastic caps, labeled with a unique identifier, and placed in a cooler with wet ice to await transportation to the laboratory.

No obvious chemical odor or OVM readings were observed during the drilling activities. Field observations and screening data is presented on the borings logs in Attachment A.

Groundwater Sample Collection

Upon encountering saturated sediments, temporary ¾" diameter factory-slotted PVC casing was inserted into each boring to facilitate collection of groundwater samples.

Groundwater samples were collected from each boring with a drop tube equipped with a check valve into 40-ml volatile organic analysis (VOA) vials. The groundwater samples were capped so that there was no head space or visible air bubbles within the vials, labeled with a unique identifier, and placed in a cooler with wet ice to await transportation to the laboratory.

Boring Destruction

Upon completion of sampling and measurement activities, all temporary casing was removed from the boreholes. Each boring was then backfilled with neat cement grout. After allowing for settlement, each was then finished with concrete to existing grade.

Laboratory Analysis

On January 27, 2005, the soil and groundwater samples were transported to McCampbell Analytical Inc. (Department of Health Services Certification #1644) under chain of custody protocol for analysis. Analytical results and chain of custody documents are included as Attachment B.

The three shallow soil samples and three groundwater samples were selected for analyses; the remainder of the samples were placed on hold at the laboratory. The six samples were analyzed for halogenated volatile organic compounds (HVOCs) by EPA method 8260B.

III Findings

Near surface sediments generally consisted of sandy clay, underlain by sandy gravel deposits. The saturated sandy gravel zone, ranging from approximately 1.5 feet to 2.5 feet thick, was encountered in all the borings at roughly 8.5 feet bgs. Refer to Attachment A for detailed logs of the borings.

PCE was detected in all soil samples analyzed, SB-1 5', SB-2 5' and SB-3 5', at 0.023 milligrams per kilogram (mg/kg), 0.071 mg/kg and 0.029 mg/kg, respectively. No other target HVOCs were detected in any of the soil samples. Soil sample analytical data is summarized in Table 1.

PCE was detected in all groundwater samples analyzed, SB-1W, SB-2W, and SB-3W at 22 micrograms per liter (µg/L), 14 µg/L, and 19 µg/L, respectfully. Trichloroethene (TCE) was detected in two groundwater samples, SB-2W and SB-3W, at 0.62 µg/L and 3.0 µg/L, respectfully. No other target HVOCs were detected in any of the groundwater samples Groundwater sample analytical data is summarized in Table 2.

IV Conclusions and Recommendations

This limited subsurface investigation was performed to assess whether a release of HVOCs, particularly PCE, had occurred from the current or former dry-cleaning operation on the property.

Soil and groundwater sample analytical data indicates that a release of PCE has occurred. TCE detected in the groundwater may be the result of natural dechlorination of PCE. PCE concentrations detected in the soil and groundwater are relatively low; however, due to the preliminary scope of this investigation, further investigation would be necessary to define the release.

Based on the findings of the investigation, AEI recommends the client and/or property owner pursue regulatory oversight regarding the release. It is likely that further investigation will be required to define the extent of the release and evaluate its risk.

V Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact me or Peter McIntyre at (925) 283-6000, extension 104.

Sincerely,
AEI Consultants

Jeff Rosenberg
Project Engineer

Peter J. McIntyre, R.G.
Senior Project Manager

REGISTERED GEOLOGIST
PETER J. MCINTYRE
Exp. 5/31/06
No. 7702
STATE OF CALIFORNIA

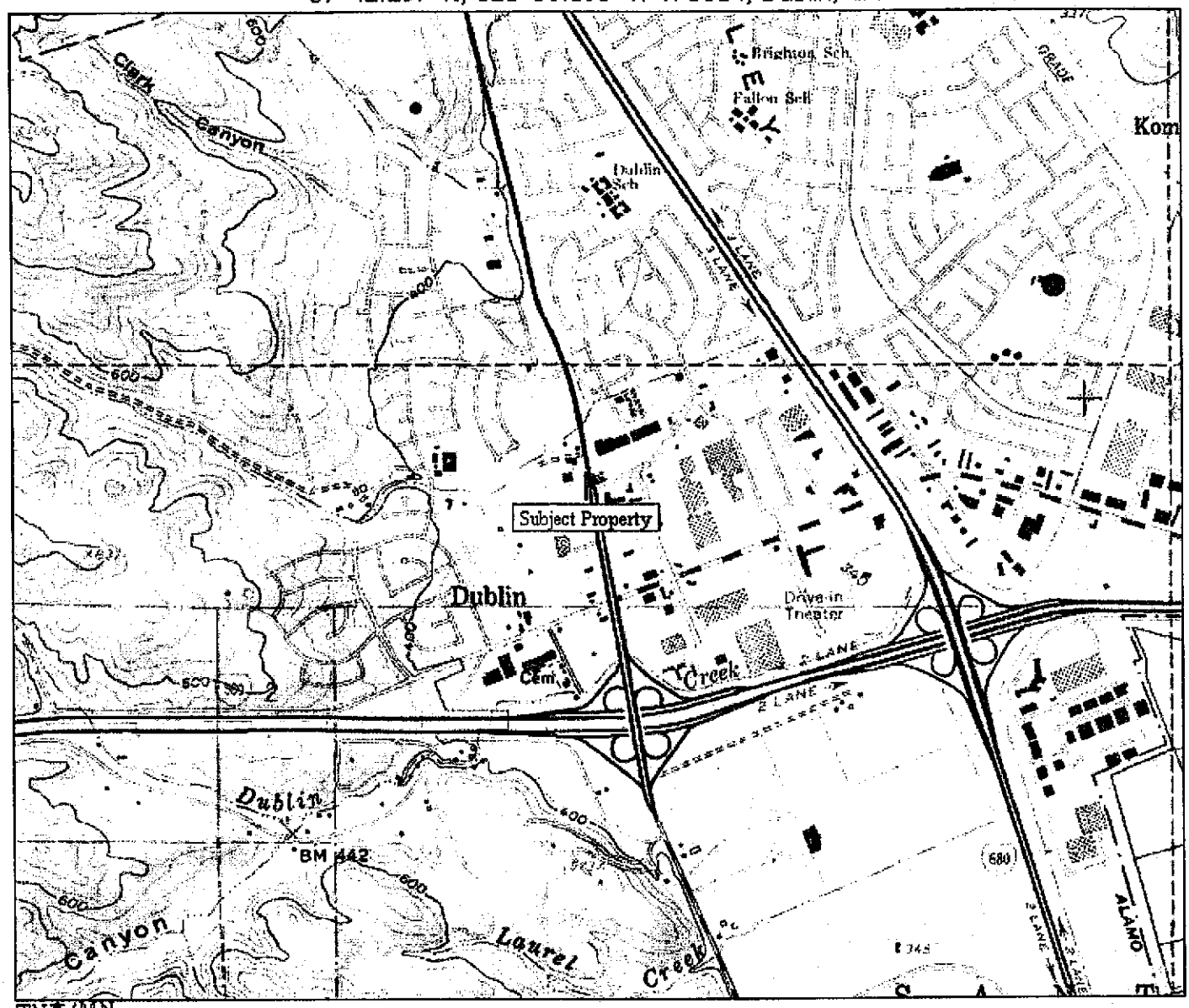
Figures
Figure 1: Site Map
Figure 2: Site Plan
Figure 3: Sample Analytical Data

Appendix A:
Table 1: Soil Sample Analytical Data
Table 2: Groundwater Sample Analytical Data

Appendix B: *Soil Boring Logs*

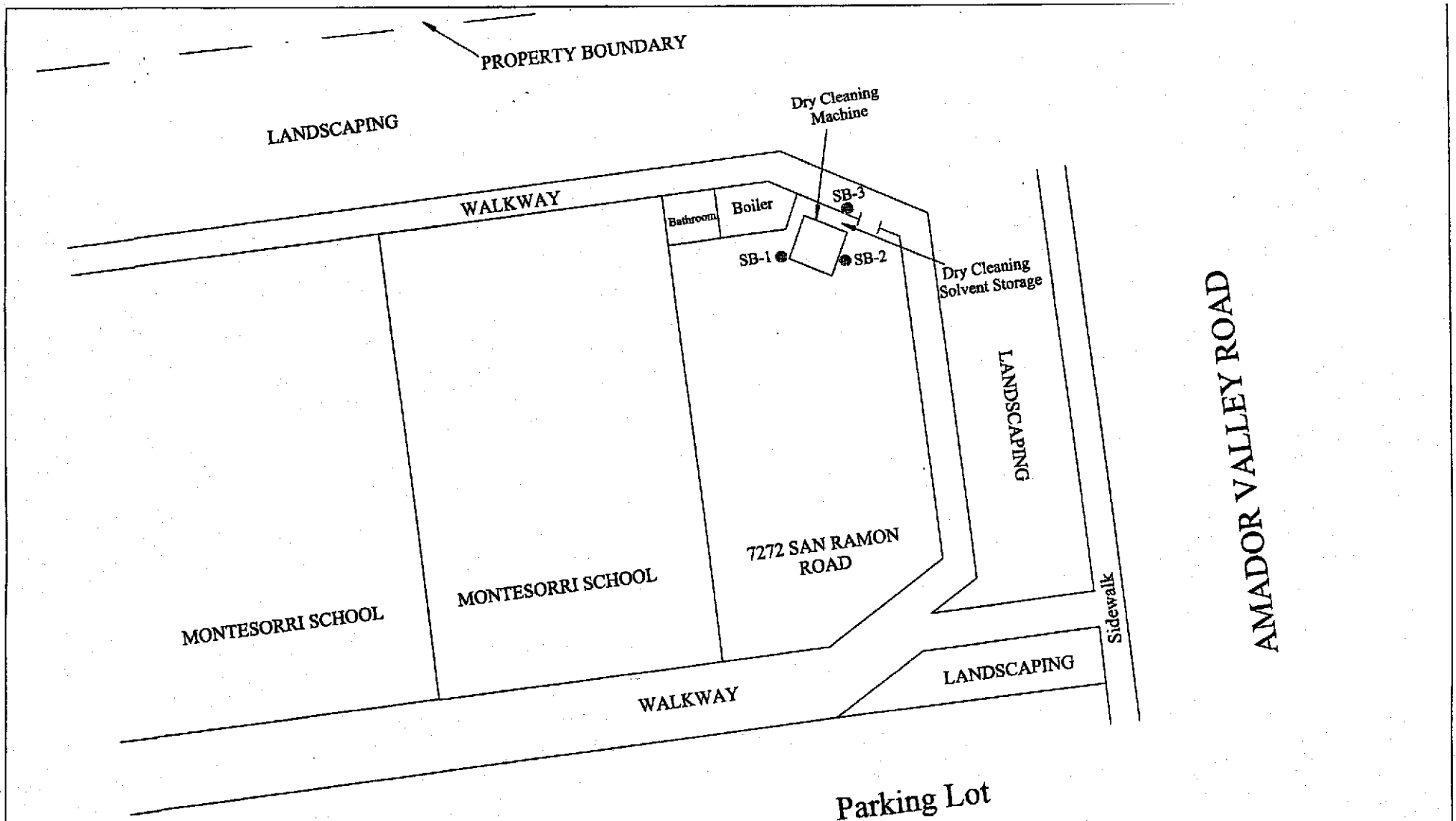
Appendix C: *Sample Analytical Documentation*

37°42.297' N, 121°56.195' W WGSB4, Dublin, CA



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

AEI CONSULTANTS	
SITE LOCATION MAP	
7272 SAN RAMON ROAD DUBLIN, CALIFORNIA	**FIGURE 1** PROJECT NO. 10365



LEGEND:

- Soil Boring Locations
- Property Boundary

N

0' 10' 20'
1 INCH = 20 FEET

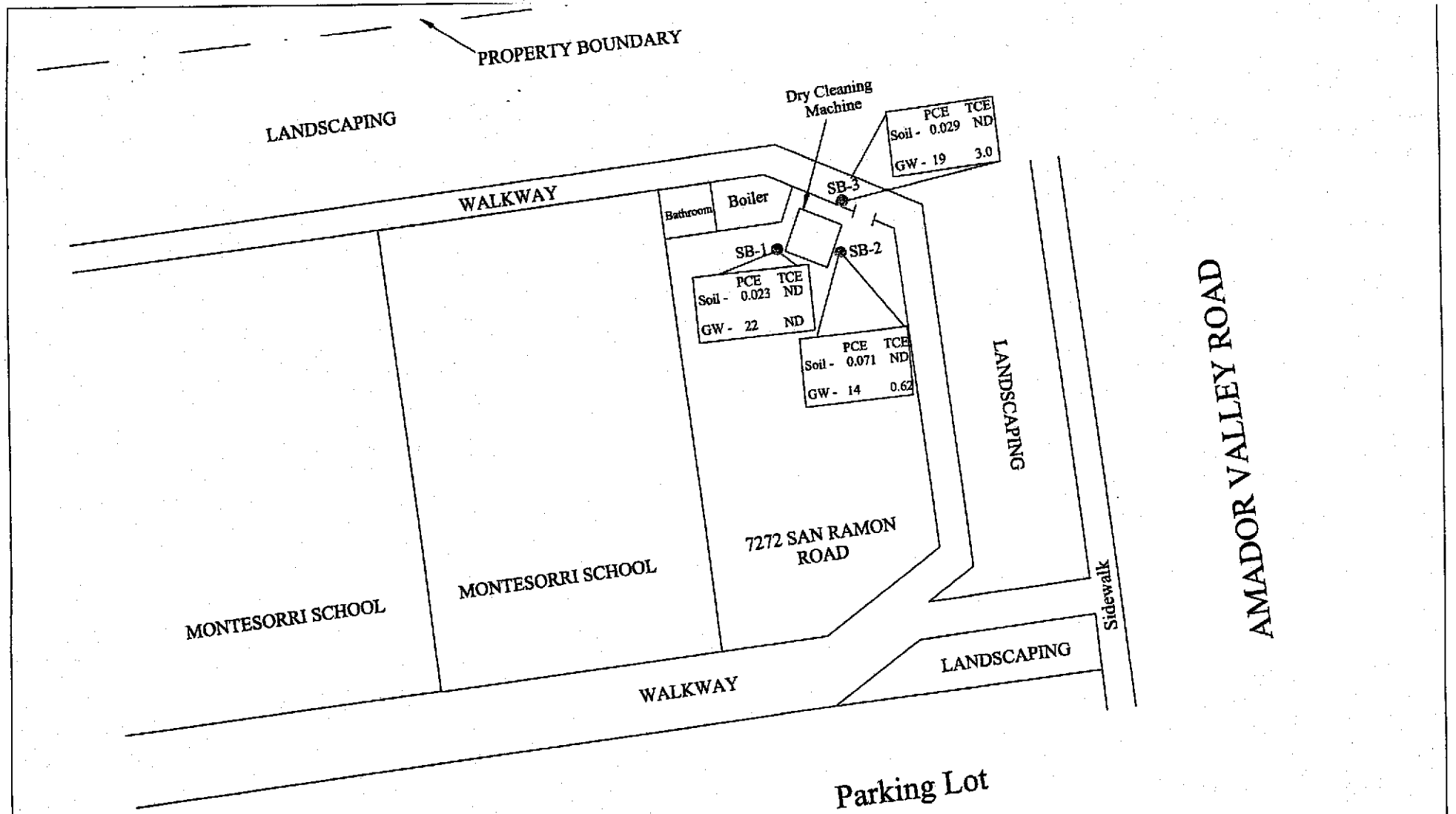
AEI CONSULTANTS

2500 CAMINO DIABLO BLVD, SUITE 200, WALNUT CREEK, CA

SITE PLAN

7272 SAN RAMON ROAD
DUBLIN, CA 94568

FIGURE 2
PROJECT NO. 10365



Soil Boring Locations

Property Boundary

TCE - Trichloroethene
PCE - Tetrachloroethene

soil sample concentrations in units of milligrams per kilogram
groundater sample concentrations in units of micrograms per liter

AEI CONSULTANTS

2500 CAMINO DIABLO BLVD, SUITE 200, WALNUT CREEK, CA

ANALYTICAL DATA

7272 SAN RAMON ROAD
DUBLIN, CA 94568

FIGURE 3
PROJECT NO. 10365

Project: Gabriel Chiu
Project Location: 7272 San Ramon Road
Project Number: 10365

Log of Boring SB-1

Sheet 1 of 1

Date(s) Drilled **January 27, 2005**	Logged By **JR**	Checked By **PJM**
Drilling Method **Direct Push**	Drill Bit Size/Type	Total Depth of Borehole **12 feet bgs**
Drill Rig Type **Pneumatic Hammer**	Drilling Contractor **Vironex**	Approximate Surface Elevation **365 feet**
Groundwater Level and Date Measured **8.5 feet ATD**	Sampling Method(s) **Tube**	Well Permit
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt		Concrete/Fill		
364				CL		Silty Clay, some 1/4 inch round gravel, moderately stiff, somewhat plastic, silt content appears to be increasing with depth, brown - 10 YR 4/3		Hand Auger 0-4'
	5	X	SB-1 5'	CL		Sandy Clay, low plasticity, fine sand, approximately 40% sand, olive brown - 2.5 Y 4/3	<1	
359				CL		Sandy Clay, slight plasticity, moist, fine sand, brown - 10 YR 4/3		
		X	SB-1 8'				<1	
				GW		(ATD) ▽ Sandy Gravel, well graded gravel up to 1/4" diameter, fine to medium grain sand, saturated		
	10							
354				CL		Sandy Clay, high plasticity, ~20% sand, moist. brown - 10 YR 4/3		
						Bottom of Boring at 12 feet bgs		
	15							
349								

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DUE DIL & MISC\10365 PH II (Chiu) Dublin - JR & AA\Boring Logs.bgs [AEI geoprobe 12.tpl]

Project: Gabriel Chiu
Project Location: 7272 San Ramon Road
Project Number: 10365

Log of Boring SB-2

Sheet 1 of 1

Date(s) Drilled **January 27, 2005**	Logged By **JR**	Checked By **PJM**
Drilling Method **Direct Push**	Drill Bit Size/Type **1 3/4 inch**	Total Depth of Borehole **12 feet bgs**
Drill Rig Type **Pneumatic Hammer**	Drilling Contractor **Vironex**	Approximate Surface Elevation **365 feet**
Groundwater Level and Date Measured **8.5 feet ATD**	Sampling Method(s) **Tube**	Well Permit.
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt		Concrete/Fill		
364				CL		Silty Clay, some 1/4 inch round gravel, stiff, somewhat plastic, silt content appears to be increasing with depth, brown - 10 YR 4/3		Hand Auger 0-4'
	5	X	SB-2 5'	CL		Sandy Clay, low plasticity, fine sand, approximately 40% sand, olive brown - 2.5 Y 4/3	<1	
359				CL		Sandy Clay, slight plasticity, fine sand, brown - 10 YR 4/3		
		X	SB-2 8'				<1	
				GW		(ATD) ▽ Sandy Gravel, well graded gravel up to 1/4" diameter, fine to medium grain sand, saturated		
	10			CL		Sandy Clay, high plasticity, brown - 10 YR 4/3		
354								
						Bottom of Boring at 12 feet bgs		
	15							
349								

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DUE DIL & MISC\10365 PH II (Chiu) Dublin - JR & AA\Boring Logs.bgs [AEI geoprobe 12.tpl]

Project: Gabriel Chiu
Project Location: 7272 San Ramon Road
Project Number: 10365

Log of Boring SB-3

Sheet 1 of 1

Date(s) Drilled **January 27, 2005**	Logged By **JR**	Checked By **PJM**
Drilling Method **Direct Push**	Drill Bit Size/Type **1 3/4 inch**	Total Depth of Borehole **12 feet bgs**
Drill Rig Type **Pneumatic Hammer**	Drilling Contractor **Vironex**	Approximate Surface Elevation **365 feet**
Groundwater Level and Date Measured **8.5 feet ATD**	Sampling Method(s) **Tube**	Well Permit
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt		Concrete/Fill		
364				CL		Silty Clay, some 1/4 inch round gravel, stiff, somewhat plastic, silt content appears to be increasing with depth, brown - 10 YR 4/3		Hand Auger 0 -4'
		X	SB-3 5'				<1	
	5			CL		Sandy Clay, low plasticity, fine sand, approximately 40% sand, olive brown - 2.5 Y 4/3		
359				CL		Sandy Clay, slight plasticity, fine sand, brown - 10 YR 4/3		
		X	SB-3 8'				<1	
				GW		*Sandy Gravel, well graded gravel* tp 1/4" diameter, fine to medium grain sand, saturated (ATD) ▽		
	10			CL		Sandy Clay, high plasticity, brown - 10 YR 4/3		
354						Bottom of Boring at 12 feet bgs		
	15							
349								

X:\PROJECTS\CHARACTERIZATION & REMEDIATION\DUE DIL & MISC\10365 PH II (Chiu) Dublin - JR & AA\Boring Logs.bgs [AEI geoprobe 12.tpl]

McCampbell 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

All Environmental, Inc.	Client Project ID: #10365; Dublin	Date Sampled: 01/27/05
2500 Camino Diablo, Ste. #200		Date Received: 01/27/05
Walnut Creek, CA 94597	Client Contact: Jeff Rosenberg	Date Extracted: 01/27/05-01/28/05
	Client P.O.:	Date Analyzed: 01/28/05

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0501389

Lab ID	0501389-001A	0501389-003A	0501389-005A	0501389-007A	Reporting Limit for DF =1	
Client ID	SB-1 5'	SB-2 5'	SB-3 5'	SB-1 W		
Matrix	S	S	S	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.005	0.5
Bromoform	ND	ND	ND	ND	0.005	0.5
Bromomethane	ND	ND	ND	ND	0.005	0.5
Carbon Tetrachloride	ND	ND	ND	ND	0.005	0.5
Chlorobenzene	ND	ND	ND	ND	0.005	0.5
Chloroethane	ND	ND	ND	ND	0.005	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND	0.005	1.0
Chloroform	ND	ND	ND	ND	0.005	0.5
Chloromethane	ND	ND	ND	ND	0.005	0.5
Dibromochloromethane	ND	ND	ND	ND	0.005	0.5
1,2-Dichlorobenzene	ND	ND	ND	ND	0.005	0.5
1,3-Dichlorobenzene	ND	ND	ND	ND	0.005	0.5
1,4-Dichlorobenzene	ND	ND	ND	ND	0.005	0.5
Dichlorodifluoromethane	ND	ND	ND	ND	0.005	0.5
1,1-Dichloroethane	ND	ND	ND	ND	0.005	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	0.005	0.5
1,1-Dichloroethene	ND	ND	ND	ND	0.005	0.5
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.005	0.5
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.005	0.5
1,2-Dichloropropane	ND	ND	ND	ND	0.005	0.5
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.005	0.5
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.005	0.5
Methylene chloride	ND	ND	ND	ND	0.005	0.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.005	0.5
Tetrachloroethene	0.023	0.071	0.029	22	0.005	0.5
1,1,1-Trichloroethane	ND	ND	ND	ND	0.005	0.5
1,1,2-Trichloroethane	ND	ND	ND	ND	0.005	0.5
Trichloroethene	ND	ND	ND	ND	0.005	0.5
Trichlorofluoromethane	ND	ND	ND	ND	0.005	0.5
Vinyl Chloride	ND	ND	ND	ND	0.005	0.5
Surrogate Recoveries (%)						
%SS1:	95	90	92	101		
%SS2:	96	95	95	101		
%SS3:	102	100	100	90		
Comments				i		

* 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 surrogate coelutes with another peak.

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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell 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

All Environmental, Inc.	Client Project ID: #10365; Dublin	Date Sampled: 01/27/05
2500 Camino Diablo, Ste. #200		Date Received: 01/27/05
Walnut Creek, CA 94597	Client Contact: Jeff Rosenberg	Date Extracted: 01/27/05-01/28/05
	Client P.O.:	Date Analyzed: 01/28/05

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0501389

Lab ID	0501389-008A	0501389-009A			Reporting Limit for DF =1	
Client ID	SB-2 W	SB-3 W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	µg/L
Bromodichloromethane	ND	ND			0.005	0.5
Bromoform	ND	ND			0.005	0.5
Bromomethane	ND	ND			0.005	0.5
Carbon Tetrachloride	ND	ND			0.005	0.5
Chlorobenzene	ND	ND			0.005	0.5
Chloroethane	ND	ND			0.005	0.5
2-Chloroethyl Vinyl Ether	ND	ND			0.005	1.0
Chloroform	ND	ND			0.005	0.5
Chloromethane	ND	ND			0.005	0.5
Dibromochloromethane	ND	ND			0.005	0.5
1,2-Dichlorobenzene	ND	ND			0.005	0.5
1,3-Dichlorobenzene	ND	ND			0.005	0.5
1,4-Dichlorobenzene	ND	ND			0.005	0.5
Dichlorodifluoromethane	ND	ND			0.005	0.5
1,1-Dichloroethane	ND	ND			0.005	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND			0.005	0.5
1,1-Dichloroethene	ND	ND			0.005	0.5
cis-1,2-Dichloroethene	ND	ND			0.005	0.5
trans-1,2-Dichloroethene	ND	ND			0.005	0.5
1,2-Dichloropropane	ND	ND			0.005	0.5
cis-1,3-Dichloropropene	ND	ND			0.005	0.5
trans-1,3-Dichloropropene	ND	ND			0.005	0.5
Methylene chloride	ND	ND			0.005	0.5
1,1,2,2-Tetrachloroethane	ND	ND			0.005	0.5
Tetrachloroethene	14	19			0.005	0.5
1,1,1-Trichloroethane	ND	ND			0.005	0.5
1,1,2-Trichloroethane	ND	ND			0.005	0.5
Trichloroethene	0.62	3.0			0.005	0.5
Trichlorofluoromethane	ND	ND			0.005	0.5
Vinyl Chloride	ND	ND			0.005	0.5
Surrogate Recoveries (%)						
%SS1:	99	103				
%SS2:	103	100				
%SS3:	91	90				
Comments	i	i				

* 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 surrogate coelutes with another peak.

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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell 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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0501389

EPA Method: SW8260B Extraction: SW5030B BatchID: 14832 Spiked Sample ID: 0501366-026A

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
Chlorobenzene	ND	0.050	106	106	0	112	113	0.524	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	107	107	0	92.3	103	11.3	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	116	117	1.05	110	126	13.2	70 - 130	70 - 130
Trichloroethene	ND	0.050	103	102	0.546	91.5	93.3	2.02	70 - 130	70 - 130
%SS1:	84	0.050	100	100	0	92	94	2.37	70 - 130	70 - 130
%SS2:	93	0.050	97	96	0.223	88	88	0	70 - 130	70 - 130
%SS3:	102	0.050	96	98	2.20	100	91	9.49	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

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 freon 113 may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell 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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0501389

EPA Method: SW8260B Extraction: SW5030B BatchID: 14843 Spiked Sample ID: 0501388-002A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Chlorobenzene	ND	10	105	106	1.23	111	116	4.16	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	114	114	0	117	113	3.68	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	116	119	2.42	109	115	5.15	70 - 130	70 - 130
Trichloroethene	49.63	10	NR	NR	NR	107	112	4.55	70 - 130	70 - 130
%SS1:	102	10	104	103	0.992	101	98	2.97	70 - 130	70 - 130
%SS2:	102	10	96	96	0	98	97	0.281	70 - 130	70 - 130
%SS3:	92	10	101	101	0	103	103	0	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

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 freon 113 may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0501389 **ClientID: AEL**

Report to:
Jeff Rosenberg
All Environmental, Inc.
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
TEL: (925) 283-6000
FAX: (925) 283-6121
ProjectNo: #10365; Dublin
PO:

Bill to:
Diane
All Environmental, Inc.
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

Requested TAT: 5 days
Date Received: 01/27/2005
Date Printed: 01/27/2005

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
0501389-001	SB-1 5'	Soil	1/27/05	☐	A														
0501389-003	SB-2 5'	Soil	1/27/05	☐	A														
0501389-005	SB-3 5'	Soil	1/27/05	☐	A														
0501389-007	SB-1 W	Water	1/27/05	☐		A													
0501389-008	SB-2 W	Water	1/27/05	☐		A													
0501389-009	SB-3 W	Water	1/27/05	☐		A													

Test Legend:

1	8010BMS_S	2	8010BMS_W	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

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.

0501394

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? ☐ Yes ☒ No

Report To: Jeff Rosenberg Bill To: same
Company: AEI Consultants
2500 Camino Diablo, Suite 200
Walnut Creek, CA 94597 E-Mail: jrosenberg@aeiconsultants.com
Tele: (925) 944-2899 Fax: (925) 944-2895
Project #: 10365 Project Name: Dublin
Project Location: 7772 San Ramon Road
Sampler Signature:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
SB-1 5'				1	Brass		X				X			
SB-1 8'														
SB-2 5'														
SB-2 8'														
SB-3 5'														
SB-3 8'														
+10 SB-1 W				4	VOA	X						X		
+10 SB-2 W				4								X		
+10 SB-3 W				4								X		

Relinquished By:	Date:	Time:	Received By:
	1-27	1:00	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Analysis Request

BTEX & TPH as Gas (602/8020 + 8015)/MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
				X										
				X										
				X										
				X										
				X										
				X										
				X										
				X										

Other | Comments

ICE/t° ✓ PRESERVATION ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓
DECHLORINATED IN LAB ____ PERSERVED IN LAB ____

VOAS	O&G	METALS	OTHER
✓			