LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION

2301-2307 LINCOLN AVENUE
ALAMEDA
CALIFORNIA

FOR

MR. ALLAN SEABANC
HILLSBOROUGH
CALIFORNIA

basics
ENVIRONMENTAL

AUGUST 12, 1999
99-ENV168A

116 GLORIETTA BLVD • ORINDA ,CA • 94563 • TEL/FAX 925-258-9099/9098

basics
ENVIRONMENTAL

August 12, 1999
99-ENV168A

Mr. Allan A. Seabanc
10 Stacey Court
Hillsborough, CA 94010

Subject: Limited Phase II Environmental Site Investigation Report
2301-2307 Lincoln Avenue
Alameda, CA 94501

Dear Mr. Seabanc:

This report describes a Limited Phase II Environmental Site Investigation Report of the site located at 32301-2307 Lincoln Avenue in Alameda, California. The scope of work included a preliminary investigation to assess the potential subsurface environmental impacts from past gasoline and auto maintenance operations conducted at the subject site.

Based on the information compiled from the sampling of the soil from six onsite test borings and ground water from five onsite test borings, our findings indicate significant levels of total petroleum hydrocarbons as gasoline and its constituents appear to be impacting the ground water and recommend further investigation of site conditions.

Should you have any questions regarding this report, please contact the undersigned.

Sincerely,

Basics Environmental

Donavan G. Tom, M.B.A., R.E.A.
Principal Consultant

PHASE-II.LTR

116 GLORIETTA BLVD • ORINDA ,CA • 94563 • TEL/FAX 925-258-9099/9098

TABLE OF CONTENTS

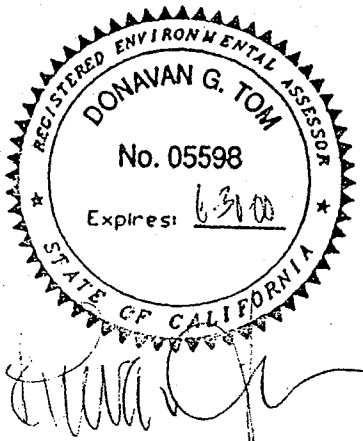
PROFESSIONAL CERTIFICATION

REPORT
LIMITED PHASE II SITE INVESTIGATION
2301-2307 LINCOLN AVENUE
ALAMEDA, CALIFORNIA
99-ENV168A
AUGUST 12, 1999

This report has been prepared by the staff of Basics Environmental (Basics) under the professional supervision of the Principal Consultant whose seal and signature appears hereon. The findings, interpretations of data, recommendations, specifications or professional opinions are presented within the limits prescribed by available information at the time the report was prepared, in accordance with generally accepted professional engineering and geologic practice and within the requirements by the Client. There is no other warranty, either expressed or implied.

The data and findings of this report are based on the data and information obtained from the agreed upon scope of work between Basics and the Client. Because contamination is not necessarily evenly distributed across the property's soils and ground water, it can easily remain undetected. Additional scope of services (at greater cost) may or may not disclose information which may significantly modify the findings of this report. We accept no liability on completeness or accuracy of the information presented and or provided to us, or any conclusions and decisions which may be made by the Client or others regarding the subject Site.

This report was prepared solely for the benefit of Basic's Client. Basics consents to the release of this report to third parties involved in the evaluation of the property for which the report was prepared, including without limitation, lenders, title companies, public institutions, attorneys, and other consultants. However, any use of or reliance upon this report shall be solely at the risk of such party and without legal recourse against Basics, or its subcontractors, affiliates, or their respective employees, officers, or directors, regardless of whether the action in which recovery of damage is sought is based upon contract, tort (including the sole, concurrent or other negligence and strict liability of Basics), statute or otherwise. This report shall not be used or relied upon by a party that does not agree to be bound by the above statements.



Donavan G. Tom, M.B.A., R.E.A.
Principal Consultant

1.0 INTRODUCTION

1.1 Purpose of Investigation

Basics Environmental (Basics) has performed this Limited Phase II Site Investigation (Phase II) for Mr. Allan A. Seabanc pursuant to our letter of engagement signed July 16, 1999. The "subject site" is at 2301-2307 Lincoln Avenue, Alameda, California (See Drawing 1).

1.2 Background

Historical information obtained from an Environmental Assessment, dated March 19, 1998 conducted by Basics for the subject site, revealed revealed the site was occupied by three residential dwellings in 1897. Sometime between 1897 and 1948, the site was occupied by an auto shop (2301 Lincoln Avenue) and two residential dwellings. Sometime between 1948 and 1950, the site was occupied by a gasoline service station/tire recapping facility (2301 Lincoln Avenue) and two residential dwellings. The gasoline service station and auto repair facilities were noted at the northeast corner of the Lincoln Avenue and Oak Street. Sometime during the early 1980s, the subject site was reported to have been redeveloped into the retail strip center as noted today. Since that time the subject site has been utilized for commercial retail space.

Information from local regulatory agencies revealed 2301 Lincoln Avenue was first developed into a gas station in 1926. In 1970, the underground storage tanks were replaced by Shell Oil. In 1982, the Shell gasoline service station was closed. During that time one 8,000-gallon, two 2,000-gallon, and one 1,000-gallon gasoline underground storage tanks were removed. No additional information regarding soil and/or ground water testing or visual observations during removal were available.

1.3 Scope of Work

Based on historical information, the subject site has a potential long history of utilizing hazardous materials associated with past gasoline and auto maintenance operations including, but not limited to, petroleum hydrocarbons, lubricating oils and solvents. In addition, the lack of soil and ground water testing during the removal of the former gasoline station, associated underground storage tanks, pumps and piping (reported by local regulatory agencies) suggest a

potential of inadvertent discharges of these materials to surface below.

On the basis of the information reviewed, Basics was contracted by Mr. Allan A. Seabanc to perform the following Limited Phase II Environmental Site Investigation approach to assess the potential subsurface environmental impacts from past gasoline and auto maintenance operations conducted at the subject site.

The scope of work performed for this Limited Phase II Site Investigation consisted of the following tasks:

- Under the direction of a California Registered Geologist, six exploratory borings were to be advanced within the former area of the underground storage tanks (based on historical Sanborn Fire Insurance Maps) and along the northwest perimeter of the subject site (perceived up gradient);
- Soil samples were to be collected from below the concrete surface at approximately five to eight feet below ground surface within the native soil. One grab water sample was also to be taken from each boring. If deemed waranted from visual observations of the samples, additional soil samples may be collected from the exploratory borings;
- Samples were to be collected, labeled, placed in a cooler with chemical ice, and transported under Chain of Custody control to McCambell Analytical Laboratory, a certified laboratory with the Department of Toxic Substances Control (DTSC) of the California Environmental Protection Agency, for analysis; and
- Samples were to be analyzed for Total Petroleum Hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes and tert-methyl butyl ethylene (TPH-g, BTEX and MTBE) and Volatile Organic Compounds.

The work for this Limited Phase II Site Investigation was performed within the client approved scope of work and budget for the investigation.

1.4 Permits and Regulatory Compliance

Several regulatory agencies were contacted prior to the beginning of this work and the permits necessary to proceed were obtained. Permits and/or approvals were obtained from the following agencies:

- Mr. Alvin Kan, County of Alameda Public Works Agency, Water Resources Section, Permit No. 99WR463; and
- Underground Services Alert (U.S.A.), U.S.A. Job No. 536222.

2.0 SOIL AND GROUND WATER SAMPLING

2.1 Field Activities

2.1.1 Preliminary Subsurface Investigation

On July 24, 1999, six soil test borings were advanced by Fast Tek, Inc. (FTI; Richmond, California) under the direction of a California Registered Geologist. The borings were specifically designed to sample the soil and ground water if encountered. The targeted areas of concern are shown on Drawing 2 and include:

- Six exploratory borings (SB-1 - SB-6) were advanced within the former area of the underground storage tanks (based on historical Sanborn Fire Insurance Maps) and along the northwest perimeter of the subject site (perceived up gradient).

These locations were intended to provide subsurface chemistry data at potential areas of environmental impacts from past gasoline and automobile maintenance operations conducted at the site.

FTI utilized Geoprobe® 5400 Direct Penetration Technology (DPT) drilling methods. DPT uses dry impact methods to drive boring tools into the subsurface. A soil sample was collected in 2-inch diameter, four foot steel continuous core sampler. Polyethylene terephthalate glycol (PETG) soil liners were utilized within the inner sample barrel. PETG soil liners are transparent and inert to petroleum hydrocarbons, metals, solvents, pesticides and most hazardous materials (except high levels of phenols). After advancing both the drive-casing and sample barrel 4 feet, the sampler was retracted, and the sample removed. Selected samples then were sealed and labeled for analytical purposes; the remainder of the samples were scrutinized for field characterization. The drive-casing and sample barrel were advanced in this manner until the total depth of each borehole was reached.

A soil sample from each of the borings was retrieved from the discrete depth of 5 and 7.5 feet bgs. within the native soil. The samples for analytical purposes were covered on each end with Teflon, capped, sealed with tape, labeled, and placed in an insulated chest containing ice. A log of the borings, which indicate site lithology, soil sampling depths, and other pertinent information was developed under the direction of a California Registered Geologist during the drilling program and is included in Appendix A.

The borings were advanced to total depths not exceeding 10 feet bgs and converted to temporary wells and "grab" ground water samples were collected. The sampling procedures followed by Basics field geologist are described below:

- Threading together and lowering into the boring 1-inch diameter PVC well casing to the bottom of the borehole;
- Allowing the temporary well time to stabilize;
- Lowering a plastic disposable bailer into the well, collecting a ground water sample, and lifting the water sample to the surface; and
- Decanting the sample into labeled, laboratory-provided containers and placing the containers into an insulated chest containing ice.

Ground water was not encountered in SB-5 after letting stand for one hour. Subsequently, the PVC well casing was removed and all of the boreholes were backfilled to the surface with a neat cement slurry. The drill cuttings were collected and placed in one 5-gallon pail, which was properly disposed of by FTI.

Once collected in the field, all samples were maintained under chain of custody until delivered to the laboratory. The soil and ground water samples were immediately delivered to McCambell Analytical Laboratory, Inc. (McCambell; Pacheco, California), a State-certified laboratory.

3.0 CHEMICAL ANALYSES AND RESULTS

3.1 Chemical Analyses

The soil and "grab" ground water samples taken from the soil test borings were analyzed for the following:

- Total Petroleum Hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes and tert-methyl butyl ethylene (TPH-g, BTEX and MTBE) (EPA Modified Method 8015); and
- Volatile Organic Compounds (VOCs) (EPA Method 8260).

3.2 Analytical Results

Results of chemical analyses on soil and grab water samples collected on July 24, 1999 are presented in Table 1, Table 2 and Table 3. Certified laboratory reports are presented in Appendix B, including chain-of-custody record data.

Table 1. Soil Analytical Results

Sample ID	Depth Feet	TPH-g mg/kg	B mg/kg	T mg/kg	E mg/kg	X mg/kg	MTBE mg/kg	Carbon Disulfide mg/kg
SB-1	7.5	ND	ND	ND	ND	ND	ND	ND
SB-2	7.5	ND	ND	ND	ND	ND	ND	13
SB-3	7.5	40*	ND	ND	0.012	ND	ND	ND
SB-4	7.5	ND	ND	ND	ND	ND	ND	ND
SB-5	7.5	ND	ND	ND	ND	ND	ND	ND
SB-6	5	ND	ND	ND	ND	ND	ND	ND

ND means not detected above the reporting limit. No other detectable amounts of volatile organic compounds analyzed as part of EPA 8260 were discovered in the soil samples taken. *Strongly aged gasoline or diesel range compounds are significant. MTBE results were verified using EPA Method 8260.

Table 2. Ground Water Analytical Results (TPH-g, BTEX, MTBE)

Sample ID	Depth Feet	TPH-g µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE µg/L
SB-1W	8	ND	ND	ND	ND	ND	ND
SB-2W	8	ND	ND	ND	ND	ND	ND
SB-3W	8	4,500*	ND	4.4	2.7	4.0	ND
SB-4W	8	ND	ND	ND	ND	ND	ND
SB-6W	8	160	ND	ND	ND	ND	ND

ND means not detected above the reporting limit. *Heavier gasoline range compounds are significant (aged gasoline), lighter than water immiscible sheen was present and liquid sample contained greater than 5% volume of sediment. Note ground water was not encountered within SB-5 at depths of 10 feet bgs.

Table 3. Ground Water Analytical Results (VOCs)

Sample ID	Depth Feet	n-Butyl benzene µg/L	sec-Butyl benzene µg/L	Isopropyl benzene µg/L	n-Propyl benzene µg/L	Vinyl Acetate µg/L
SB-1W	8	ND	ND	ND	ND	ND
SB-2W	8	ND	ND	ND	ND	ND
SB-3W	8	10	14	45	60	26
SB-4W	8	ND	ND	ND	ND	ND
SB-6W	8	160	ND	ND	ND	ND

ND means not detected above the reporting limit. No other detectable amounts of other volatile organic compounds analyzed as part of EPA 8260 were discovered in the grab water samples taken. Note ground water was not encountered within SB-5 at depths of 10 feet bgs.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Based on the results of the soil testing reported herein, detectable amounts of total petroleum hydrocarbons as gasoline and ethylbenzene were discovered within exploratory boring (SB-3) located at the southwest corner of the subject site and detectable amounts of carbon disulfide was discovered within exploratory boring (SB-2) located at the northwest perimeter of the subject site at depths of 7.5 feet bgs. Maximum concentrations detected included 40 mg/kg of total petroleum hydrocarbons as gasoline, 0.012 mg/kg of ethylbenzene and 13 mg/kg of carbon disulfide. No other detectable amounts of volatile organic compounds analyzed as part (EPA Method 8260) were discovered within the soil samples collected.

Based on the results of the ground water testing reported herein, detectable amounts of total petroleum hydrocarbons as gasoline, toluene, ethylbenzene, total xylenes, n-butyl benzene, sec-butyl benzene, isopropyl benzene, n-propyl benzene, and vinyl acetate were discovered within the ground water from SB-3 located at the southwest corner of the subject site. Maximum concentrations detected included 4,500 µg/L of total petroleum hydrocarbons as gasoline, 4.4 µg/L of toluene, 2.7 µg/L of ethylbenzene, 4.0 µg/L of total xylenes, 10 µg/L of n-butyl benzene, 14 µg/L of sec-butyl benzene, 45 µg/L of isopropyl benzene, 60 µg/L of n-propyl benzene, and 26 µg/L of vinyl acetate from a grab water sample taken at 8 feet below the surface. In addition, 160 µg/L of total petroleum hydrocarbons as gasoline was detected in the grab water sample taken from SB-6 located east of the former underground storage tanks. No other volatile organic compounds analyzed as part (EPA Method 8260) were discovered within the grab water samples collected.

Analytical results indicate impacts of total petroleum hydrocarbons as gasoline, ethylbenzene and carbon disulfide to the soil are not considered significant and below regulatory action. The level of these chemicals are below the Preliminary Remediation Goals set forth by the Department of Toxic Substance Control for industrial sites.

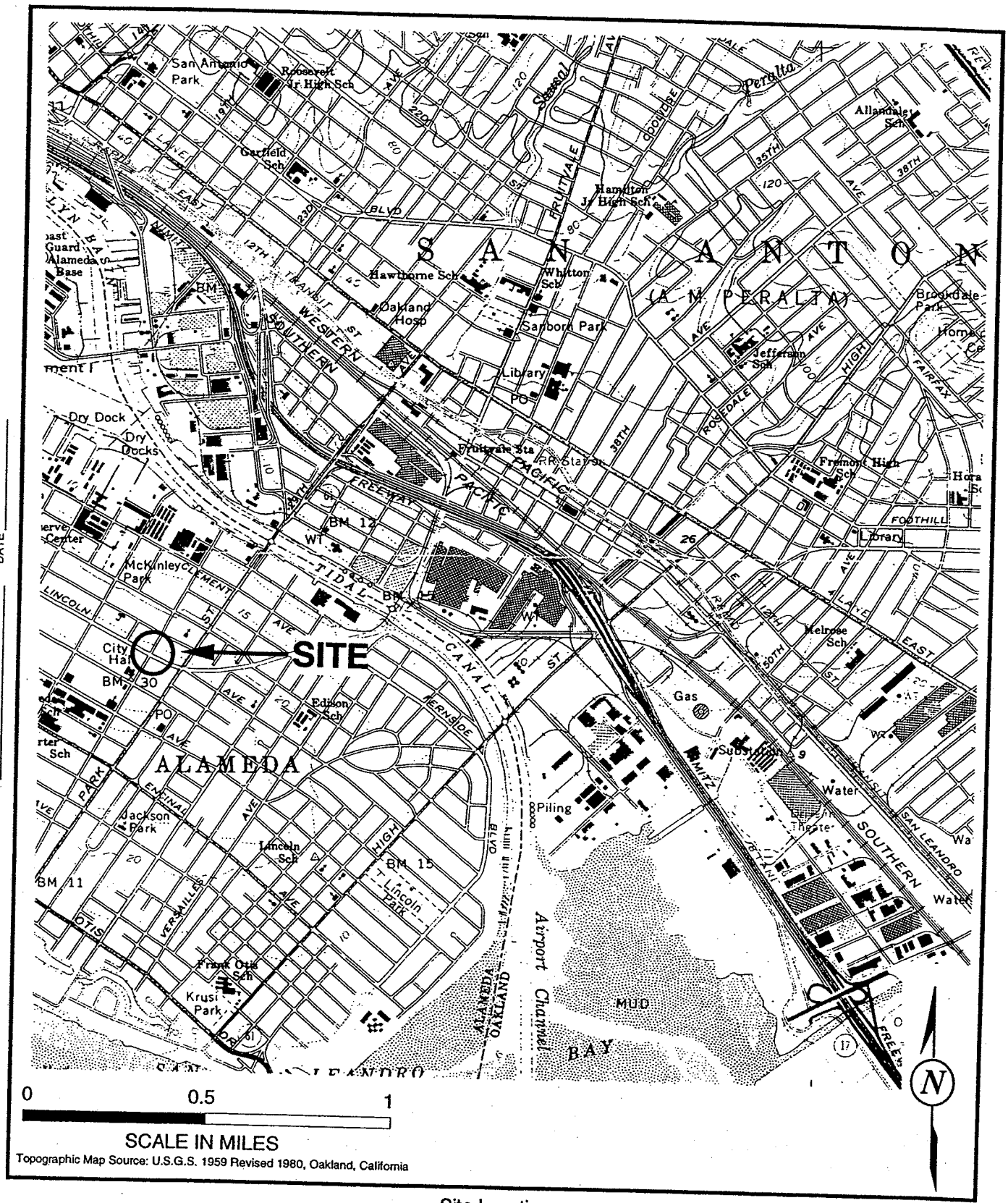
Analytical results indicate impacts of toluene, ethylbenzene, total xylenes and vinyl acetate to the ground water are not considered significant and below regulatory action. The level of these chemicals are below the published Maximum Contaminant Levels (MCLs) for drinking water. However, analytical results indicate impacts of total petroleum hydrocarbons as gasoline, n-butyl

benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene to the ground water are considered significant and above regulatory action. The level of these chemicals are above the published Maximum Contaminant Levels (MCLs) for drinking water.

Based on the fact that (1) ground water in the vicinity is very shallow; (2) elevated levels of total petroleum hydrocarbons as gasoline, n-butyl benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene were only discovered within the grab water sample collected from SB-3 (southwest corner of the subject site) at depths of 8 feet bgs at the subject site; (3) the total petroleum hydrocarbons as gasoline detected are in the heavier gasoline range (aged gasoline) and the benzene constituents appear to be by products of benzene; and (4) MTBE was not discovered within any of the ground water samples collected, suggest ground water impact from onsite underground storage tanks, pipes or pumps formerly located at or below the shallow aquifer appears to be confined to the extreme southwest corner of the subject site.

4.2 Recommendations

On the basis of the information compiled from the limited soil and ground water investigation conducted by Basics, the level of total petroleum hydrocarbons as gasoline, n-butyl benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene discovered within the ground water are considered significant, above regulatory action levels and warrant further investigation. Based on these levels the owner/operator is required to report the results to the local enforcing agency (Alameda County Environmental Health Services, Local Oversight Program (ACEHS) for review. Based on ACEHS review, the owner/operator may be required to "define" or provide more specific information about the contamination problem.



Topographic Map Source: U.S.G.S. 1959 Revised 1980, Oakland, California

Site Location

basics ENVIRONMENTAL

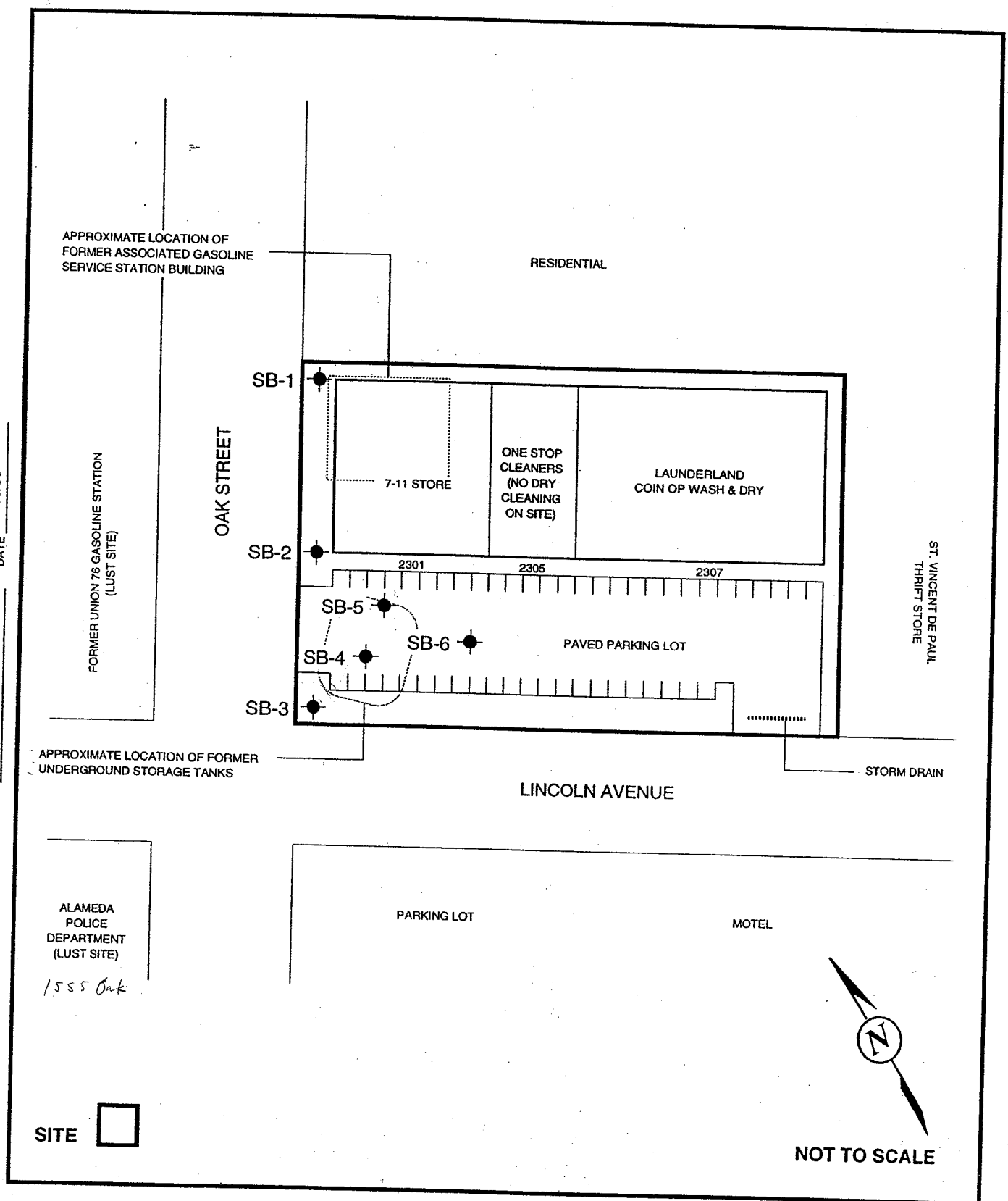
Limited Phase II Environmental Site Investigation
2301-2307 Lincoln Avenue
Alameda, California

PROJECT NO.
99-ENV168A

DRAWING NO.
1

PREPARED BY DGT REVIEWED BY DATE 8/10/99

TBLCK (5/28/92)



DATE 8/10/99

REVIEWED BY

PREPARED BY DGT

Soil Test Boring Locations

basics ENVIRONMENTAL

Limited Phase II Environmental Site Investigation
2301-2307 Lincoln Avenue
Alameda, California

PROJECT NO.
99-ENV168A

DRAWING NO.
2

TBLCK (5/28/92)

APPENDIX A

116 GLORIETTA BLVD • ORINDA ,CA • 94563 • TEL/FAX 925-258-9099/9098

Geologic Log

PROJECT NO: 99-ENV168A	BORING NO: SB-1	SHEET 1 OF 1	

CLIENT: MR. ALLAN A. SEABANC	SITE: 2301-2307 Lincoln Avenue, Alameda, California		
LOGGED BY: Jennifer Pucci	CHECKED BY: Marda T. Herbert, R.G., C.E.G.	DATE: 7/24/99	
DATE(S) DRILLED: 7/24/99	DATE(S) WELL INSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND ELEV:	T.O.C. ELEV:	DEPTH/ELEV. GROUND WATER (ATD): 8ft.	
DRILLING CO: Fast-Tek, Inc.	DRILLER: TF	DRILLING EQUIP: Geoprobe	
COORDINATES:	SAMPLING INFORMATION:		

DRILLING SUMMARY: Continous core advanced to 10 feet in depth: soil sample collected at 5' and 7.5'. Screened with PVC liner. Ground water encountered at 8'. Backfilled with neat cement slurry.

Sample No.	Recovery	Well Diagram	Depth Elev.	Graphic Log	Sample	Lithologic Description Description, Color, Density, Moisture
	3.0 for 4.0		0			GROUND SURFACE SAND (SP) - fine grained, medium brown, no moisture, no odor
SB-1 @5'	4.0 for 4.0		5			As Above
SB-1 @7.5'		▽ Approximate ground water level.	10			As Above, slightly moist
						End Boring at 10 feet below ground surface.
			15			
			20			
			25			
			30			
			35			

basics environmental

Geologic Log

PROJECT NO: 99-ENV168A	BORING NO: SB-2	SHEET 1 OF 1

CLIENT:. MR. ALLAN A. SEABANC		SITE: 2301-2307 Lincoln Avenue, Alameda, California	
LOGGED BY: Jennifer Pucci	CHECKED BY: Marda T. Herbert, R.G., C.E.G.		DATE: 7/24/99
DATE(S) DRILLED: 7/24/99	DATE(S) WELL INSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND ELEV:	T.O.C. ELEV:	DEPTH/ELEV. GROUND WATER (ATD): 8ft.	
DRILLING CO: Fast-Tek, Inc.	DRILLER: TF	DRILLING EQUIP: Geoprobe	
COORDINATES:		SAMPLING INFORMATION:	

DRILLING SUMMARY: Continous core advanced to 10 feet in depth: soil sample collected at 5' and 7.5'. Screened with PVC liner. Ground water encountered at 8'. Backfilled with neat cement slurry.

Sample No.	Recovery	Well Diagram	Depth Elev.	Graphic Log	Sample	Lithologic Description Description, Color, Density, Moisture
	3.0 for 4.0		0			GROUND SURFACE SAND (SP) - fine grained, medium brown, no moisture, no odor
SB-2 @5'	4.0 for 4.0		5			As Above
SB-2 @7.5'		▽ Approximate ground water level.				As Above
			10			End Boring at 10 feet below ground surface.
			15			
			20			
			25			
			30			
			35			

basics environmental

Geologic Log

PROJECT NO: 99-ENV168A	BORING NO: SB-3	SHEET 1 OF 1	

CLIENT: MR. ALLAN A. SEABANC	SITE: 2301-2307 Lincoln Avenue, Alameda, California		
LOGGED BY: Jennifer Pucci	CHECKED BY: Marda T. Herbert, R.G., C.E.G.	DATE: 7/24/99	
DATE(S) DRILLED: 7/24/99	DATE(S) WELL INSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND ELEV:	T.O.C. ELEV:	DEPTH/ELEV. GROUND WATER (ATD): 8ft.	
DRILLING CO: Fast-Tek, Inc.	DRILLER: TF	DRILLING EQUIP: Geoprobe	
COORDINATES:	SAMPLING INFORMATION:		

DRILLING SUMMARY: Continous core advanced to 10 feet in depth: soil sample collected at 5' and 7.5'. Screened with PVC liner. Ground water encountered at 8'. Backfilled with neat cement slurry.

		Well Diagram	Depth Elev.	Lithologic Description Description, Color, Density, Moisture
			0	GROUND SURFACE
	3.0 for 4.0			SAND (SP) - fine grained, medium brown, no moisture, no odor
SB-3 @5'	4.0 for 4.0		5	As Above, color change, greenish
SB-3 @7.5'		▽ Approximate ground water level.	10	SILTY SAND (SM) - fine grained, 30% fines, 70% sand, soil staining, hydrocarbon odor
				End Boring at 10 feet below ground surface.
			15	
			20	
			25	
			30	
			35	

basics environmental

Geologic Log

PROJECT NO: 99-ENV168A	BORING NO: SB-4	SHEET 1 OF 1	

CLIENT: MR. ALLAN A. SEABANC	SITE: 2301-2307 Lincoln Avenue, Alameda, California		
LOGGED BY: Jennifer Pucci	CHECKED BY: Marda T. Herbert, R.G., C.E.G.	DATE: 7/24/99	
DATE(S) DRILLED: 7/24/99	DATE(S) WELL INSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND ELEV:	T.O.C. ELEV:	DEPTH/ELEV. GROUND WATER (ATD): 8ft.	
DRILLING CO: Fast-Tek, Inc.	DRILLER: TF	DRILLING EQUIP: Geoprobe	
COORDINATES:	SAMPLING INFORMATION:		

DRILLING SUMMARY: Continous core advanced to 10 feet in depth: soil sample collected at 5' and 7.5'. Screened with PVC liner. Ground water encountered at 8'. Backfilled with neat cement slurry.

		Well Diagram	Depth Elev.	Lithologic Description Description, Color, Density, Moisture
	3.0 for 4.0		0	ASPHALT SURFACE SAND (SP) - fine grained, medium brown, no moisture, no odor
SB-4 @5'	3.0 for 4.0		5	As Above
SB-4 @7.5'		▽ Approximate ground water level.	10	As Above, moist
				End Boring at 10 feet below ground surface.
			15	
			20	
			25	
			30	
			35	

basics environmental

Geologic Log

PROJECT NO: 99-ENV168A	BORING NO: SB-6	SHEET 1 OF 1

CLIENT: MR. ALLAN A. SEABANC		SITE: 2301-2307 Lincoln Avenue, Alameda, California	
LOGGED BY: Jennifer Pucci	CHECKED BY: Marda T. Herbert, R.G., C.E.G.		DATE: 7/24/99
DATE(S) DRILLED: 7/24/99	DATE(S) WELL INSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND ELEV:	T.O.C. ELEV:	DEPTH/ELEV. GROUND WATER (ATD): 8ft.	
DRILLING CO: Fast-Tek, Inc.	DRILLER: TF	DRILLING EQUIP: Geoprobe	
COORDINATES:		SAMPLING INFORMATION:	

DRILLING SUMMARY: Continous core advanced to 10 feet in depth: soil sample collected at 5' and 10'. Screened with PVC liner. Ground water encountered at 8'. Backfilled with neat cement slurry.

		Well Diagram	Depth Elev.			Lithologic Description Description, Color, Density, Moisture
			0			ASPHALT SURFACE
	3.0 for 4.0					SAND (SP) - Firm, well graded, medium brown, no moisture, no odor
SB-6 @5'			5			As Above
	3.0 for 4.0					
		▽ Approximate ground water level.				As Above, moist
SB-6 @10'			10			As Above, color change, gray
						End Boring at 10 feet below ground surface.
			15			
			20			
			25			
			30			
			35			

basics environmental

APPENDIX B

116 GLORIETTA BLVD • ORINDA ,CA • 94563 • TEL/FAX 925-258-9099/9098

McCAMPBELL ANALYTICAL INC.

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

Basics Environmental 116 Gloreitta Boulevard Orinda, CA 94563	Client Project ID: Alameda	Date Sampled: 07/24/99
		Date Received: 07/24/99
	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/24/99

08/02/99

Dear Donavan:

Enclosed are:

1). the results of **11** samples from your **Alameda** 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. McCampbell 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,

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-07/30/99

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
15958	SB-6,5	S	ND	ND	ND	ND	ND	ND	96
15961	SB-5,8	S	ND	ND	ND	ND	ND	ND	102
15963	SB-4,8	S	ND	ND	ND	ND	ND	ND	94
15965	SB-3,8	S	40,g	ND	ND	ND	0.012	ND	97
15967	SB-1,5	S	ND	ND	ND	ND	ND	ND	101
15969	SB1,8	S	ND	ND	ND	ND	ND	ND	95
15970	SB1W	W	ND,i	ND	ND	ND	ND	ND	108
15971	SB2W	W	ND,i	ND	ND	ND	ND	ND	104
15972	SB3W	W	4500,j,b,h,i	ND<20	ND	4.4	2.7	4.0	102
15973	SB4W	W	ND,i	ND	ND	ND	ND	ND	109
15974	SB6W	W	160,b,i	ND	ND	ND	ND	ND	100
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

cluttered chromatogram; sample peak coelutes with surrogate peak

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

EPA method 8260

Volatile Organics By GC/MS

Lab ID	15958		
Client ID	SB6,5		
Matrix	S		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[e]	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	—
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<10
4-Chlorotoluene	ND	Toluene [m]	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethene	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	**Comments:**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	100
1,1-Dichloropropene	ND	Toluene-d8	107
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	99

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental 116 Gloreitta Boulevard Orinda, CA 94563	Client Project ID: Alameda	Date Sampled: 07/24/99
		Date Received: 07/24/99
	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15961
Client ID	SB5,8
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone (d)	ND
sec-Butyl benzene	ND	Methylene Chloride(e)	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone (f)	ND
Carbon Disulfide	ND	Methyl isobutyl ketone (g)	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	—
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether(c)	ND	Styrene (i)	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND
4-Chlorotoluene	ND	Toluene (m)	ND<10
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate (n)	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride (o)	ND
trans-1,2-Dichloroethene	ND	Xylenes, total (p)	ND
1,2-Dichloropropane	ND	**Comments:**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	102
1,1-Dichloropropene	ND	Toluene-d8	108
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	106

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15963		
Client ID	SB4,8		
Matrix	S		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[e]	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<10
4-Chlorotoluene	ND	Toluene [m]	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	**Comments:**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	103
1,1-Dichloropropene	ND	Toluene-d8	105
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	98

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15965
Client ID	SB3,8
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone (d)	ND
sec-Butyl benzene	ND	Methylene Chloride(e)	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone (f)	ND
Carbon Disulfide	ND	Methyl isobutyl ketone (g)	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether(c)	ND	Styrene (i)	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<10
4-Chlorotoluene	ND	Toluene (m)	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate (n)	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride (o)	ND
trans-1,2-Dichloroethene	ND	Xylenes, total (p)	ND
1,2-Dichloropropane	ND	Comments:	
1,3-Dichloropropane	ND	Surrogate Recoveries (%)	
2,2-Dichloropropane	ND	Dibromofluoromethane	101
1,1-Dichloropropene	ND	Toluene-d8	106
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	106

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15967
Client ID	SB2,8
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone (d)	ND
sec-Butyl benzene	ND	Methylene Chloride(e)	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone (f)	ND
Carbon Disulfide	13	Methyl isobutyl ketone (g)	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether(c)	ND	Styrene (i)	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<10
4-Chlorotoluene	ND	Toluene (m)	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate (n)	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride (o)	ND
trans-1,2-Dichloroethene	ND	Xylenes, total (p)	ND
1,2-Dichloropropane	ND	**Comments:**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	80
1,1-Dichloropropene	ND	Toluene-d8	104
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	113

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

EPA method 8260

Volatile Organics By GC/MS

Lab ID	15969		
Client ID	SB1,8		
Matrix	S		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[e]	ND<10
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND<10
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<10
4-Chlorotoluene	ND	Toluene [m]	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	**Comments:**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	103
1,1-Dichloropropene	ND	Toluene-d8	114
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	120

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/26-08/02/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

EPA method 8260

Volatile Organics By GC/MS

Lab ID	15970		
Client ID	SB1W		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<5	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[e]	ND
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND<5
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	ND
Chlorobenzene	ND	Naphthalene	---
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND
4-Chlorotoluene	ND	Toluene [m]	ND<5
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	Comments: i	
1,3-Dichloropropane	ND	Surrogate Recoveries (%)	
2,2-Dichloropropane	ND	Dibromofluoromethane	105
1,1-Dichloropropene	ND	Toluene-d8	106
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	99

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/26-08/02/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

EPA method 8260 **Volatile Organics By GC/MS**

Lab ID	15971		
Client ID	SB2W		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND<5	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone (d)	ND
sec-Butyl benzene	ND	Methylene Chloride(e)	ND
tert-Butyl benzene	ND	Methyl ethyl ketone (f)	ND<5
Carbon Disulfide	ND	Methyl isobutyl ketone (g)	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	ND
Chlorobenzene	ND	Naphthalene	---
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether(c)	ND	Styrene (i)	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND
4-Chlorotoluene	ND	Toluene (m)	ND<5
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate (n)	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride (o)	ND
trans-1,2-Dichloroethene	ND	Xylenes, total (p)	ND
1,2-Dichloropropane	ND	Comments: i	
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND	**Surrogate Recoveries (%)**	
1,1-Dichloropropene	ND	Dibromofluoromethane	104
cis-1,3-Dichloropropene	ND	Toluene-d8	103
		4-Bromofluorobenzene	92

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/26-08/02/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15972		
Client ID	SB3W		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<2.5	trans-1,3-Dichloropropene	ND<2.5
Benzene	ND<2.5	Ethylene dibromide	ND<2.5
Bromobenzene	ND<2.5	Ethylbenzene	ND<2.5
Bromochloromethane	ND<2.5	Hexachlorobutadiene	ND<2.5
Bromodichloromethane	ND<2.5	Iodomethane	ND<2.5
Bromoform	ND<2.5	Isopropylbenzene	45
Bromomethane	ND<2.5	p-Isopropyl toluene	ND<2.5
n-Butyl benzene	10	Methyl butyl ketone [d]	ND<2.5
sec-Butyl benzene	14	Methylene Chloride[e]	ND<2.5
tert-Butyl benzene	ND<2.5	Methyl ethyl ketone [f]	ND<2.5
Carbon Disulfide	ND<2.5	Methyl isobutyl ketone [g]	ND<2.5
Carbon Tetrachloride	ND<2.5	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND<2.5	Naphthalene	ND<5
Chloroethane	ND<2.5	n-Propyl benzene	60
2-Chloroethyl Vinyl Ether[c]	ND<2.5	Styrene [i]	ND<2.5
Chloroform	ND<2.5	1,1,1,2-Tetrachloroethane	ND<2.5
Chloromethane	ND<2.5	1,1,2,2-Tetrachloroethane	ND<2.5
2-Chlorotoluene	ND<2.5	Tetrachloroethene	ND<2.5
4-Chlorotoluene	ND<2.5	Toluene [m]	ND<2.5
Dibromochloromethane	ND<2.5	1,2,3-Trichlorobenzene	ND<2.5
1,2-Dibromo-3-chloropropane	ND<2.5	1,2,4-Trichlorobenzene	ND<2.5
Dibromomethane	ND<2.5	1,1,1-Trichloroethane	ND<2.5
1,2-Dichlorobenzene	ND<2.5	1,1,2-Trichloroethane	ND<2.5
1,3-Dichlorobenzene	ND<2.5	Trichloroethene	ND<2.5
1,4-Dichlorobenzene	ND<2.5	Trichlorofluoromethane	ND<2.5
Dichlorodifluoromethane	ND<2.5	1,2,3-Trichloropropane	ND<2.5
1,1-Dichloroethane	ND<2.5	1,2,4-Trimethylbenzene	ND<2.5
1,2-Dichloroethane	ND<2.5	1,3,5-Trimethylbenzene	ND<2.5
1,1-Dichloroethene	ND<2.5	Vinyl Acetate [n]	26
cis-1,2-Dichloroethene	ND<2.5	Vinyl Chloride [o]	ND<2.5
trans-1,2-Dichloroethene	ND<2.5	Xylenes, total [p]	ND<2.5
1,2-Dichloropropane	ND<2.5	**Comments:** h,i	
1,3-Dichloropropane	ND<2.5	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND<2.5	Dibromofluoromethane	102
1,1-Dichloropropene	ND<2.5	Toluene-d8	110
cis-1,3-Dichloropropene	ND<2.5	4-Bromofluorobenzene	93

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/26-08/02/99
	Client P.O:	Date Analyzed: 07/260-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15973		
Client ID	SB4W		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<5	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[e]	ND<5
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<5
4-Chlorotoluene	ND	Toluene [m]	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	**Comments: i**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	105
1,1-Dichloropropene	ND	Toluene-d8	105
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	92

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/26-08/02/99
	Client P.O:	Date Analyzed: 07/26-08/02/99

Volatile Organics By GC/MS

EPA method 8260

Lab ID	15974		
Client ID	SB6W		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<5	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	ND
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone [d]	ND
sec-Butyl benzene	ND	Methylene Chloride[c]	ND<5
tert-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
Carbon Disulfide	ND	Methyl isobutyl ketone [g]	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	---
Chlorobenzene	ND	Naphthalene	ND
Chloroethane	ND	n-Propyl benzene	ND
2-Chloroethyl Vinyl Ether[c]	ND	Styrene [i]	ND
Chloroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND<5
4-Chlorotoluene	ND	Toluene [m]	ND
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1,1,1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethene	ND	Vinyl Acetate [n]	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride [o]	ND
trans-1,2-Dichloroethene	ND	Xylenes, total [p]	ND
1,2-Dichloropropane	ND	**Comments: i**	
1,3-Dichloropropane	ND	**Surrogate Recoveries (%)**	
2,2-Dichloropropane	ND	Dibromofluoromethane	112
1,1-Dichloropropene	ND	Toluene-d8	103
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	97

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/25/99-07/26/99 Matrix: WATER

Analyte	Concentration (ug/L) Sample (#15450)	MS	MSD	Amount Spiked	% Recovery MS	% Recovery MSD	RPD
TPH (gas)	0.0	107.4	105.4	100.0	107.4	105.4	1.9
Benzene	0.0	9.9	9.6	10.0	99.0	96.0	3.1
Toluene	0.0	10.1	9.8	10.0	101.0	98.0	3.0
Ethyl Benzene	0.0	10.3	10.0	10.0	103.0	100.0	3.0
Xylenes	0.0	30.8	30.1	30.0	102.7	100.3	2.3
TPH(diesel)	0.0	7717	7643	7500	103	102	1.0
TRPH (oil & grease)	0	21000	21400	23700	89	90	1.9

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/25/99-07/26/99 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#09617)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	2.162	2.172	2.03	107	107	0.5
Benzene	0.000	0.196	0.212	0.2	98	106	7.8
Toluene	0.000	0.204	0.220	0.2	102	110	7.5
Ethylbenzene	0.000	0.206	0.224	0.2	103	112	8.4
Xylenes	0.000	0.598	0.644	0.6	100	107	7.4
TPH(diesel)	0	318	319	300	106	106	0.3
TRPH (oil and grease)	0.0	21.0	21.4	20.8	101	103	1.9

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR VOCs (EPA 8240/8260)

Date: 07/25/99-07/26/99 Matrix: WATER

Analyte	Concentration (ug/kg,u Sample (#15328)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0	116	117	100	116	117	0.9
Trichloroethene	0	92	93	100	92	93	1.1
EDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene	0	102	105	100	102	105	2.9
Benzene	0	100	98	100	100	98	2.0
Toluene	0	104	108	100	104	108	3.8

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR VOCs (EPA 8240/8260)

Date: 07/25/99-07/26/99 Matrix: SOIL

Analyte	Concentration (ug/kg,u Sample (#09033)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0	98	98	100	98	98	0.0
Trichloroethene	0	84	82	100	84	82	2.4
EDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene	0	101	99	100	101	99	2.0
Benzene	0	105	100	100	105	100	4.9
Toluene	0	101	100	100	101	100	1.0

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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

TURN AROUND TIME ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

Report To: Donavan Tom Bill To: Same
Company: Basics Environmental
Tele: 925 258 9099 Fax: 925 258 9098
Project #: Project Name:
Project Location: Alameda
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other	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 / 8240 (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	Other: HOLD	Comments
SB-6,5		72499	810	1			X								X								X								15958
SB-6,10		72499	820	1			X																							X	15959 H
SB-5,5		7/2499	900	1			X																							X	15960 H
SB-5,8'		72499	910	1			X								X								X								15961
SB-4,5'		72499	920	1			X																							X	15962 H
SB-4,8'		72499	935	1			X								X								X								15963
SB-3,5'		72499	1015	1			X																							X	15964 H
SB3,8'		72499	1020	1			X								X								X								15965
SB2,5		72499	1100	1			X																							X	15966 H
SB2,8		72499	1100	1			X								X								X								15967
SB1,5		72499	1150	1			X																							X	15968 H
SB1,8		72499	1155	1			X								X								X								15969
+10 SB1W		72499	—	4		X									X								X								15970
+5 SB2W		72499	—	4		X									X								X								
+10 SB3W		72499	—	4		X									X								X								15971
																															15972

Relinquished By:	Date:	Time:	Received By:
	72499	1615	Thu Le
	7/24/99	4:30pm	Manuel Mendoza

Remarks:
ICE/t® ____
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATION ✓ APPROPRIATE
CONTAINERS ____

VOAS | O&G | METALS | OTHER

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 HOUR ☐ 48 HOUR ☒ 5 DAY

Report To: Donavan Tom Bill To: Same

Company: Basics Environmental

Tele: (925) 258 9099 Fax: (925) 258 9098

Project #: Project Name:

Project Location: Alameda

Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
SB4W		7/24/99	—	4		X								
SB6W		7/24/99	—	4		X								

Analysis Request	SB4W	SB6W
BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	X	X
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 / 8240 (8260)	X	X
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		

Other:

Comments: 15973 15974

Relinquished By:	Date:	Time:	Received By:
	7/24/99	1615	Thule 07/24/99
Relinquished By:	Date: 7/24/99	Time: 4:30 pm	Received By: Manuel Mendoza
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE/t® _____ VOAS | O&G | METALS | OTHER
GOOD CONDITION ✓ PRESERVATION ✓
HEAD SPACE ABSENT ✓ APPROPRIATE
CONTAINERS _____