



FIELD INVESTIGATION SUMMARY REPORT

5054 Havens Place Dublin, California

SECOR PN: F0803-041-01

Submitted by SECOR International Incorporated for

Archstone Communities Trust 7670 South Chester Street, Suite 100 Englewood, Colorado 80112

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1.0 INTRODUCTION

This report presents a summary of the limited soil and groundwater investigation (LSGI) performed by SECOR International Incorporated on behalf of Archstone Communities (Archstone) at 5054 Havens Place, in Dublin, California (the Property). The location of the Property is shown on Figure 1. The purpose of this LSGI was to assess the nature and extent of petroleum hydrocarbon-impacted soil and groundwater associated with a former leaking underground storage tank (LUST) recently identified at the Property, and determine shallow groundwater flow direction in the vicinity of the former underground storage tank (UST).

1.1 SITE DESCRIPTION

The Property is located on the south side of Dublin Boulevard in Dublin, California, and is currently vacant land being developed as a multi-family residential building that is partially underlain by a parking garage. The dwelling will be positioned approximately 10 feet above the floor of the garage. The study area encompasses the southwest corner of the building pad (Figure 2). The subject property is bordered on the south by Dublin Boulevard, and on the north, east, and west by building pads under construction as multi-family residential complexes.

1.2 BACKGROUND

SECOR understands that Archstone recently purchased the Property from the County of Alameda. According to information supplied to SECOR by Archstone, the Property is located in an area formerly occupied by houses and support structures associated with Camp Shoemaker, a naval receiving station and naval hospital. Activities associated with the previous use of the Property reportedly ceased in the late 1950s. During the ongoing development of the property in early August 1998, Archstone encountered a previously unidentified UST, which was struck by excavating equipment and severely damaged. On August 4, 1998, a representative of the Alameda County Health Care Services Agency (the County) was called to the site to observe removal of the UST and excavation of impacted soil. Reportedly, approximately 30 gallons of suspected diesel fuel were pumped from the damaged UST prior to removal. Impacted soil was excavated to a depth of approximately 10 feet below ground surface (bgs). A soil sample was collected from the excavation at approximately 10 feet bgs and from the stockpile of excavated impacted soil. Laboratory data indicated the presence of total petroleum hydrocarbons as diesel (TPHd), toluene, and xylenes in the soil samples. Considering the previous use of the Property and observations made at the time the tank was discovered, it is believed that the UST has always been used for storage of diesel fuel. The UST was likely taken out of service in the late 1950s, prior to the time that methyl tert butyl ether (MTBE) was used as a lead substitute and oxygenate in gasoline.

On August 21, 1998, additional excavation was conducted at the Property to a depth of approximately 15 feet bgs. Groundwater appeared in the UST excavation at approximately 15 feet bgs and reportedly rose to approximately 14 feet bgs. A single soil sample was collected from approximately 14 feet bgs, and a water sample was collected from the UST excavation. A representative from the County was present and noted the apparent presence of free phase product floating on the surface of the water. Water from the excavation was then reportedly pumped out in an attempt to remove the free product.

Laboratory analysis of the soil sample revealed the following concentrations: 420 milligrams per kilogram (mg/Kg) of TPHd, 29 micrograms per kilogram (μ g/Kg) of toluene, 18 μ g/Kg of ethylbenzene, and 30 μ g/Kg of xylene. Laboratory analysis of the groundwater sample revealed a concentration of 11,000,000 micrograms

per liter (μ g/L) TPHd, 11 μ g/L benzene, 9.5 μ g/L toluene, 2.1 μ g/L ethylbenzene, and 71 μ g/L xylenes. The laboratory report indicated the presence of gasoline-range compounds and the presence of an immiscible sheen (free product).

As a result, Archstone requested that SECOR further assess soil and groundwater conditions at the Property. SECOR submitted a work plan, dated October 26, 1998, for this LSGI to the County on behalf of Archstone. The LSGI was conducted pursuant to the October 27, 1998 oral approval of the work plan by Mr. Scott Seery of the County, with the SECOR work plan, as amended based on discussions in the field with Mr. Seery. Specifically, the work plan was amended as follows: boring location B4 was eliminated in lieu of moving boring B5 closer to the excavation limit.

2.0 ENVIRONMENTAL SETTING

2.1 SUBSURFACE GEOLOGICAL CHARACTERIZATION

2.1.1 Geology

The subject property lies in a region of the San Ramon Valley located within in the Coast Ranges geomorphic province. The alluvial plain of the San Ramon Valley is characterized by generally fine-grained deposits of clay, silt, and sand, with occasional laterally discontinuous gravels. The San Ramon Valley is bounded on the west by the Las Trampas Ridge and the Diablo Range to the east.

2.1.2 Hydrogeology

Based on groundwater elevation measurements made during the LSGI, groundwater flow direction in the vicinity of the UST excavation trends to the south-southeast at a shallow gradient, as depicted on Figure 3. Groundwater was encountered at a depth of approximately 17 feet bgs during the LSGI.

3.0 LIMITED SUBSURFACE INVESTIGATION

3.1 PRE-FIELD ACTIVITIES

3.1.1 Utility Clearance and Limited Geophysical Survey

Prior to drilling activities, SECOR marked the soil boring locations and notified Underground Service Alert (USA) regarding the impending subsurface investigation activities, and secured the services of a private utility locating company. Local utility companies were notified of the scheduled subsurface investigation by USA to identify buried utilities in the vicinity of the investigation area. SECOR retained the services of a private underground utility locating company, California Utility Surveys (CU) to locate and identify potential underground utilities and to conduct a geophysical survey to identify USTs that may be present beneath the Property and/or the building site under development immediately west of the Property. CU utilized electromagnetic techniques to complete the limited geophysical survey. Based on the results of the limited geophysical survey, no subsurface anomalies with signatures consistent with that of a UST were detected beneath the Property or the adjacent site to the west.

3.1.2 Health and Safety Plan

Prior to drilling, SECOR prepared a site-specific Health and Safety Plan (HASP) to address potential environmental and physical hazards associated with the proposed sampling. The HASP was reviewed by SECOR sampling personnel and subcontractors prior to initiating field sampling activities. The HASP established personnel protection standards and mandatory safety practices and procedures for use during the field investigation.

3.2 FIELD ACTIVITIES

3.2.1 Soil Sampling

On October 28, 1998, SECOR representatives supervised the drilling of seven soil boreholes (borings B1, B2, B3, B5, B6, B7, and B8) outside the perimeter of the UST excavation at the Property. The borehole locations are shown on Figure 2.

At each location, a Geoprobe direct-push drilling rig, operated by Precision Sampling, Inc. (Precision), was used to advance the soil boreholes to depths ranging from 13 to 20 feet bgs. Groundwater was not encountered in any of the boreholes during this investigation. Specific depths for each soil borehole are as follows:

B1	Total Depth: 19 feet bgs
B2	Total Depth: 19 feet bgs
В3	Total Depth: 19 feet bgs
B5	Total Depth: 25 feet bgs
В6	Total Depth: 19 feet bgs
В7	Total Depth: 19 feet bgs
В8	Total Depth: 16 feet bgs

During drilling activities, a SECOR geologist classified the subsurface soils, collected soil samples, and logged each soil borehole. Soils encountered while drilling were classified using the Unified Soil Classification System (USCS). Soil samples were collected at 3-foot intervals using a Geoprobe equipped with a direct-push sampling system. Each borehole was continuously cored in 3-foot sampling intervals using a 2-inch outside diameter sampling tube lined with an acetate sleeve. After being advanced through the sampling interval, the sampler was withdrawn from the borehole and disassembled. Upon removal of the acetate sleeve from the sampler, samples for possible laboratory analysis were collected, and the sleeve ends sealed with Teflon sheets and plastic caps. Each soil sample was then labeled and stored in an insulated cooler containing ice pending submittal to Entech Analytical Labs, Inc. (Entech) for chemical analysis. Entech is a California State Department of Health Services (DOHS)-certified laboratory (CA ELAP #2224).

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A portion of the soil from each sampling interval was placed in a plastic resealable bag. Organic vapors from the soil sample were allowed to volatilize into the headspace for several minutes. Headspace vapors were measured by inserting the probe of a photoionization detector (PID) into the bag. PID measurements are listed in the soil boring logs (Appendix A).

All sampling equipment was decontaminated between each sampling interval using a non-phosphate detergent wash to avoid potential sample cross-contamination. In addition, protective gloves were also changed between each sample location to minimize cross-contamination. Decontamination of the Geoprobe equipment was performed prior to and between each soil borehole. Each of the soil boreholes was backfilled with a Portland cement grout at the completion of the LSGI. Three 5-gallon buckets of soil cuttings and one partially filled-55-gallon drum of decontamination rinsate were generated during drilling activities. These materials were transported from the Property for appropriate disposal by Precision.

3.2.2 Groundwater Sampling and Elevation Measurements

Groundwater samples were collected from the open boreholes using a dedicated disposable 1.5-inch diameter polyvinyl chloride (PVC) bailer. The water was decanted from the bailer into labeled laboratory-supplied sampling containers, and the containers were placed in an ice-filled insulated cooler pending transport to the project laboratory (Entech).

Prior to collecting water samples from boreholes B5, B6, B7, and B8, temporary piezometers consisting of 1-inch diameter PVC screen and casing were placed into these boreholes. The temporary piezometers were surveyed for top-of-casing elevations by Center Line Land Surveying, California licensed surveyors. SECOR measured the depth to groundwater in each of the temporary piezometers using an electronic water-level indicator. Groundwater elevations, calculated to assess groundwater flow direction, indicated that groundwater flow in the vicinity of the UST excavation is toward the southeast at a shallow gradient. Groundwater elevation measurements are indicated on Figure 3.

The temporary piezometers were removed from the boreholes prior to abandonment of the soil boreholes by backfilling with a Portland cement grout.

4.0 SUBSURFACE TESTING RESULTS

A total of eight soil samples and seven groundwater samples were collected from the Geoprobe soil boreholes and analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) using Modified EPA Method 8015, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8020. Groundwater samples were also analyzed for dissolved lead and MTBE. The groundwater samples collected from boreholes B1 and B2 were not analyzed for TPHd due to limited groundwater recharge.

4.1 ANALYTICAL RESULTS

The laboratory analytical results for the soil and groundwater samples collected are summarized in the attached tables (Tables 1 and 2) and illustrated in Figure 2. The laboratory analytical reports are provided in Appendix B.

4.1.1 Groundwater Sampling Results

Of the constituents analyzed in groundwater, TPHd, TPHg, benzene, ethylbenzene, and total xylenes were variously detected in the samples. TPHd was detected in two of the five samples: B3 and B8 at 58 and 14 milligrams per liter (mg/L), respectively. TPHg was detected in samples B1, B2, B3, and B8 at concentrations ranging from 3.3 to 7.7 mg/L; however, the laboratory report qualified the detected TPHg concentrations, stating that the chromatographic pattern was indicative of a heavier hydrocarbon such as diesel, rather than gasoline. Benzene, ethylbenzene, and total xylenes were detected in one or more groundwater sample: B2 and B8 (benzene), B8 (ethylbenzene), and B1 through B8 (total xylenes). Neither MTBE nor dissolved lead were detected at or above their respective laboratory method reporting limits.

The groundwater analytical results were compared to primary drinking water standard maximum contaminant levels (MCLs), although groundwater at the Property is not used as a drinking water source. Groundwater analytical results were also compared to American Society of Testing and Materials (ASTM) E 1739-95 Standard Guide for Risk-Based Corrective Action (RBCA) Applied at Petroleum Release Sites Tier 1 draft Risk-Based Screening Level (RBSL) "look-up" table values, modified to reflect California-EPA policy (i.e., using cancer risk levels of 1 x 10^6 for residential exposures, and multiplying by a toxicity adjustment factor of 0.29 for benzene, the only carcinogen detected at the Property). Because MCLs and RBSLs are typically applied to specific chemicals of concern (such as BTEX compounds), no MCL or RBSL exists for either TPHg or TPHd in groundwater. Benzene, ethylbenzene, and total xylene levels occurred below their corresponding MCLs (1 μ g/L, 680 μ g/L, and 1750 μ g/L, respectively). The detected concentrations were also below corresponding RBSLs for vapor intrusion from groundwater into residential buildings.

4.1.2 Soil Sampling Results

Review of the soil analytical results indicates that low residual concentrations of TPHd were detected in five of the eight soil samples submitted for analysis. Concentrations of TPHd ranged from 56 mg/Kg (at a depth of 13 feet in boring B2) to 130 mg/Kg (at a depth of 16 feet in boring B5). TPHg was detected in five of the eight soil samples at concentrations ranging between 1.6 g/Kg (at 10 feet in boring B3) and 11 mg/Kg (at 13 feet in boring B8). However, the laboratory report qualified the detected TPHg concentrations, stating that the chromatographic pattern was indicative of a heavier hydrocarbon such as diesel, rather than gasoline. Benzene, toluene, and ethylbenzene were not detected in any of the soil samples analyzed. Total xylenes were detected in four of the eight soil samples analyzed at concentrations ranging between 0.0051 mg/Kg (at 13 feet in boring B2) and 0.035 mg/Kg (at 16 feet in boring B5).

When soil analytical results for total xylenes are compared with applicable RBSLs, the detected levels of total xylenes are below the corresponding RBSL for vapor intrusion from soil into residential buildings (any level of xylenes in soil is below the risk level). Because RBSLs are typically applied to specific chemicals of concern, no RBSL currently exists for either TPHg or TPHd in soil.

4.1.3 Discussion

TPHd was detected in both soil and groundwater samples collected at the Property, consistent with the known former diesel UST. Based on the nature of the release (i.e., a subsurface release from the UST) and the absence of TPHd or other analytes in the soil sample collected from a depth of 7 feet

bgs (borehole B6, the shallow soil sample with the highest PID reading), it is evident that shallow soil (i.e., shallower than 7 to 13 feet bgs) of the Property is not impacted. Considering the depth to impacted soil and groundwater, and since groundwater at the Property is not used as a drinking water source, direct contact exposures (i.e., incidental soil ingestion and/or dermal contact) for future residential occupants are not possible. Because TPHd is generally considered to be composed of relatively non-volatile hydrocarbons (e.g., polynuclear aromatic hydrocarbons [PAHs]), potential inhalation exposures are also improbable. Based on these factors, and since detected levels of benzene, ethylbenzene, and xylenes are below corresponding RBSLs, potential exposures for future residential occupants of the Property, and associated health risks, from the presence of residual petroleum hydrocarbons are considered to be insignificant.

5.0 FINDINGS OF SUBSURFACE INVESTIGATION

SECOR conducted this LSGI to assess the nature and extent of petroleum hydrocarbon-impacted soil and groundwater associated with a former LUST identified on the Property. Additional objectives of this investigation were to identify groundwater flow direction in the area of investigation and to conduct a limited geophysical survey to search for additional USTs that may have been present in the vicinity west of the known underground tank location.

Four of the temporary piezometers were surveyed, the depth to groundwater measured, and groundwater elevations calculated to assess groundwater flow direction. Groundwater in the vicinity of the UST excavation was determined to flow toward the southeast.

The geophysical survey was conducted beneath the Property and the adjacent building pad site to the west and did not identify subsurface sturctures consistent of the size or shape of a UST. No USTs are known to be present in the area of the geophysical survey.

Based on the LSGI soil sample results, the UST removal remedial excavation work completed by Archstone appears to have removed the majority of the impacted soil, which was of the source of petroleum hydrocarbons to groundwater. Residual petroleum hydrocarbon-impacted soil appears to be limited laterally to within approximately 15 to 20 feet from the excavation perimeter. Review of the soil analytical results indicates that low residual concentrations of TPHd and total xylenes were detected.

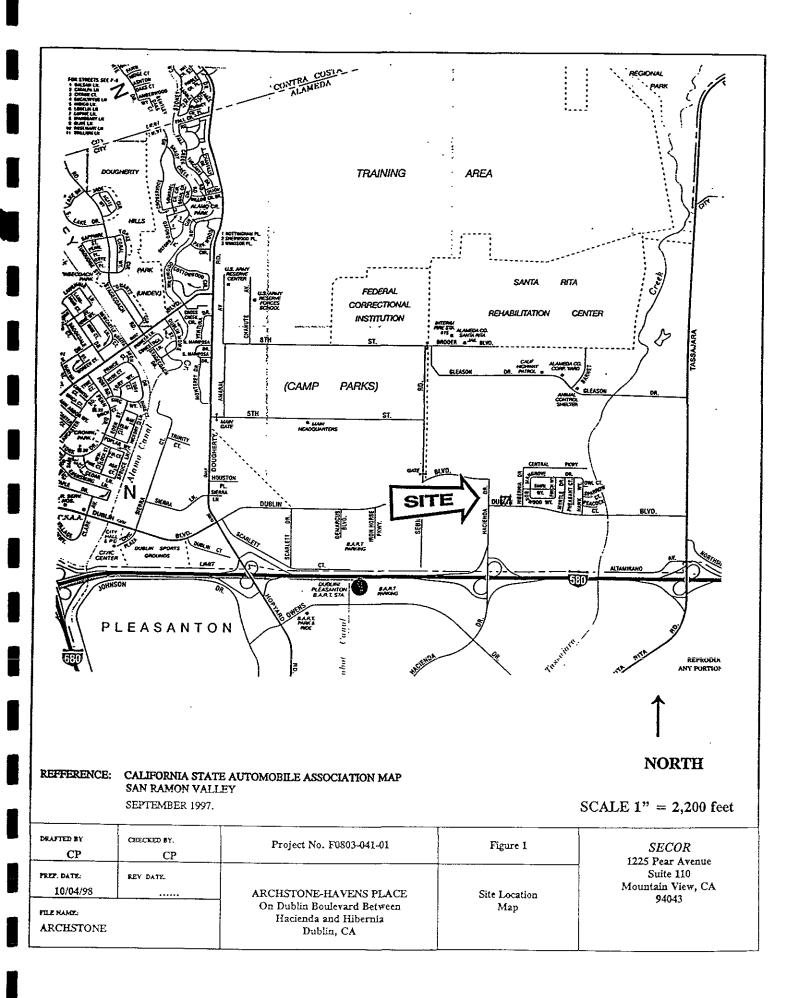
TPHd and very low concentrations of benzene, ethylbenzene, and total xylenes were variously detected in the groundwater samples. Neither MTBE nor dissolved lead was detected at or above respective laboratory method reporting limits. Detected concentrations of benzene, ethylbenzene, and total xylenes were below corresponding MCLs and RBSLs for vapor intrusion from groundwater into residential buildings. MCLs and RBSLs have not been established for TPHd. Although TPHg was reported in both soil and groundwater sample analysis, the laboratory stated that the chromatographic pattern was indictive of a heavier hydrocarbon such as diesel, rather than gasoline.

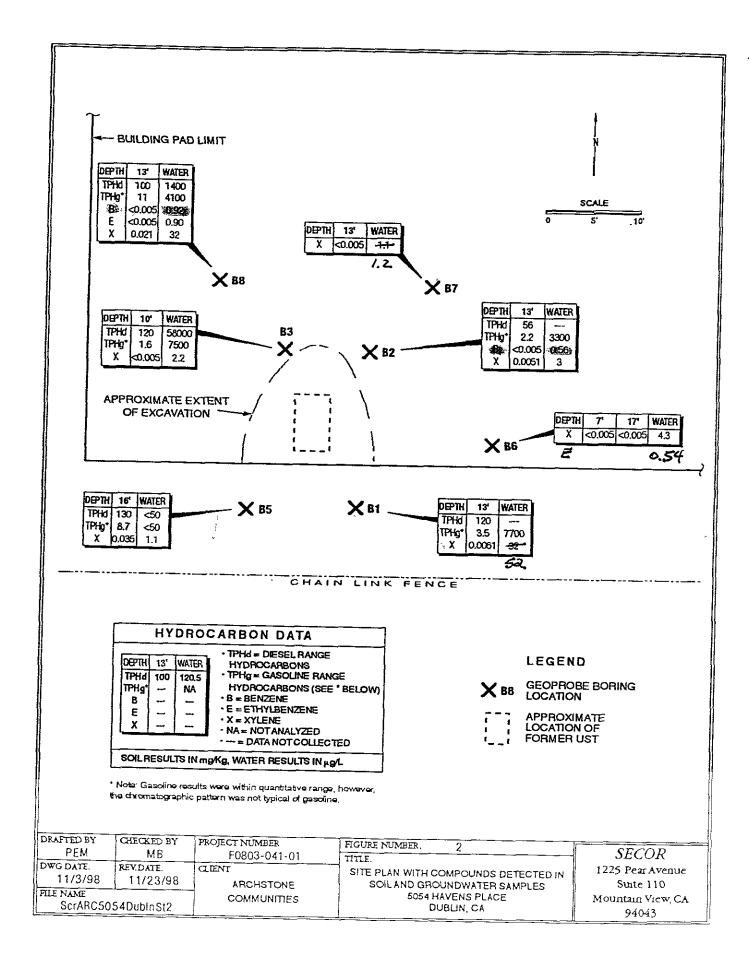
TPHd was detected in both soil and groundwater samples collected at the Property, consistent with the known former diesel UST. Based on the nature of the release (i.e., a subsurface release from the UST) and the absence of TPHd or other analytes in the soil sample collected from a depth of 7 feet bgs (borehole B6, the shallow soil sample with the highest PID reading), it is evident that shallow soil (i.e., shallower than 7 to 13 feet bgs) of the Property is not impacted. Considering the depth to impacted soil and groundwater, and since groundwater at the Property is not used as a drinking water source, direct contact exposures (i.e., incidental soil ingestion and/or dermal contact) for future residential occupants are not possible. Because

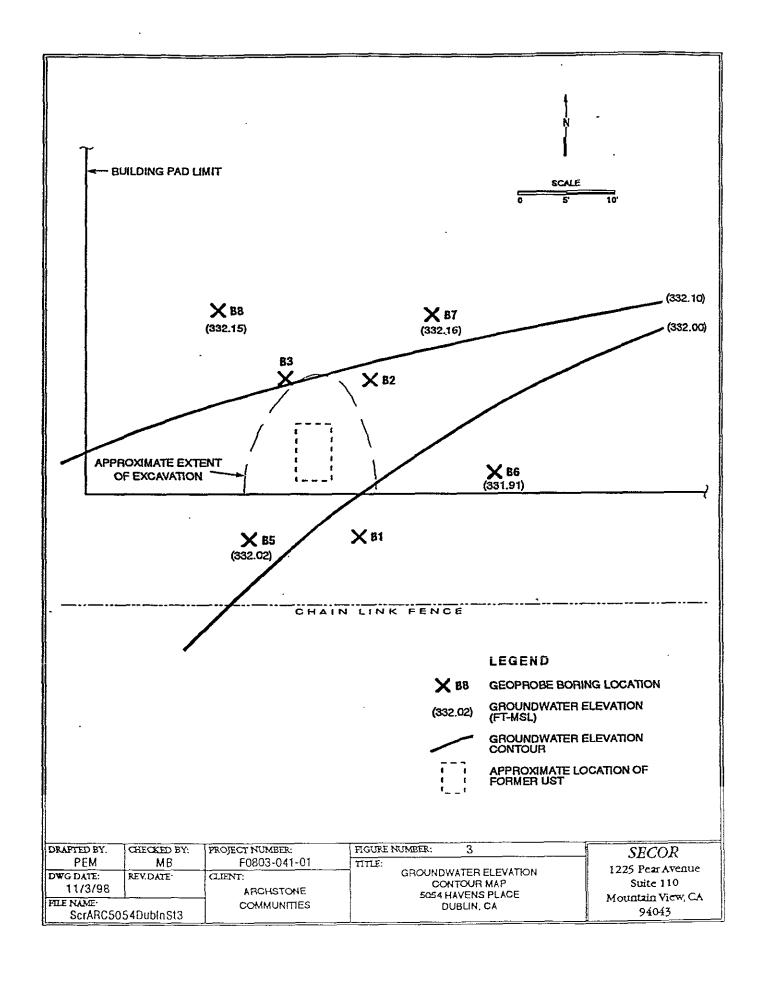
TPHd is generally considered to be composed of relatively non-volatile hydrocarbons (e.g., PAHs), potential inhalation exposures are also improbable. Based on these factors, and since detected levels of benzene, ethylbenzene, and xylenes are below corresponding RBSLs, potential exposures for future residential occupants of the Property, and associated health risks, from the presence of residual petroleum hydrocarbons are considered to be insignificant.

Given that the findings of this investigation have revealed that RBSLs in soil and MCLs and RBSLs in groundwater have not been exceeded and residual petroleum hydrocarbons are considered to be insignificant, SECOR recommends that this report be provided to the Alameda County Health Care Services Department with a request that the County consider closure of the case file.

FIGURES







TABLES

Table 1. Summary of Groundwater Sample Analytical Results 5054 Havens Place, Dublin, California

Sample ID	Sample Date	TPH-d* (ag/L)	TPH-g [*] (mg/L)	MTBE*	Dissolved Lead ^a (mg/L)	BTEX• (ug/L)						
			, was the	(Jegil)	(iller)	Benzene	Toluene	Ethylbenzene	Xylenes			
B-1	10-30-98	no sample	7,700*	<100	< 0.015	<10	<10	<10	52			
B-2	10-30-98	no sample	3,300×	<5.0	no sample	0.56	< 0.50	< 0.50	3			
B-3	10-28-98	58,000	7,500×	<5.0	< 0.015	< 0.50	< 0.50	< 0.50	2.2			
B-5	10-28-98	< 50	< 50	<5.0	< 0.015	< 0.50	< 0.50	< 0.50	1.1			
B-6	10-28 & 30-98	<50	< 50	<5.0	<0.015	< 0.50	< 0.50	0.54	4.3			
B-7	10-28-98	<50	<50	< 5.0	<0.015	<0.50	< 0.50	<0.50	1.12			
B-8	10-28-98	1,400	4,100 ^x	<5.0	< 0.015	0.92	<0.50	0.90	32			

a Total diesel-range petroleum hydrocarbons, by EPA Method 8015 Modified, reported as micrograms per liter (μg/L).

Total gasoline-range petroleum hydrocarbons, by EPA Method 8015 Modified.

c Methyl tertiary-butyl ether, by EPA Method 8020.

d Dissolved lead (i e, sample was filtered by the laboratory and the filtrate analyzed), by EPA Method 6010, reported as milligrams per liter (mg/L).

e BTEX (benzene, toluene, ethylbenzene and xylenes), by EPA Method 8020.

x Results within quantitation range; chromatographic pattern not typical of gasoline.

Table 2. Summary of Soil Sample Analytical Results 5054 Havens Place, Dublin, California

Sample ID	Sample Date	Sample Depth	TPH-C	TPH-g*		BTBX (mg/Kg)						
		(feet)	(mg/Kg)	(mg/Kg)	Benzene	Toluene	Ethylbenzene	Xylenes				
B1-16	10- 28-98	16	120	3.5 ²	<0.005	< 0.005	<0.005	0.0061				
B2-13	10- 28-98	13	56	2.2 ^x	<0.005	< 0.005	< 0.005	0.0051				
B3-10	10- 28-98	10	120	1.6 ^x	< 0.005	< 0.005	< 0.005	<0.005				
B5-16	10- 28-98	16	130	8.7 ^x	< 0.005	< 0.005	< 0.005	0.035				
В6-7	10- 28-98	7	<1.0	<1.0	< 0.005	< 0.005	< 0.005	<0.005				
B6-17	10- 28-98	16	<1.0	<1.0	< 0.005	< 0.005	< 0.005	< 0.005				
B7-13	10- 28-98	13	<1.0	<1.0	< 0.005	< 0.005	< 0.005	<0.005				
B8-13	10- 28-98	13	100	11×	< 0.005	< 0.005	< 0.005	0.021				

a Total diesel-range petroleum hydrocarbons, by EPA Method 8015 Modified, reported as milligrams per kilogram (mg/kg).

Total gasoline range petroleum hydrocarbons, by EPA Method 8015 Modified.

c BTEX (benzene, toluene, ethylbenzene and xylenes), by EPA Method 8020.

x Results within quantitation range; chromatographic pattern not typical of gasoline.

APPENDIX A SOIL BORING LOGS

Field Investigation Summary Report
Financial Gateway Property
5054 Havens Place
Dublin, California
SECOR PN: F0803-041-01
March 11, 1999

	ARCHSTO			PEVENED	Log of Boring/Monitoring Well:
	OUBLIN,				B1
Subcontractor and E			SION	GEOPROBE Logged By: S.R.S. Drawn By: C.R.	Di
Sampling Method: (Monitoring Device: PID	Comments:
Start Date/Time: 1		18//110)5	Finish Date/Time: 10/30/98	
First Water (bgs): N	NA T	1 1		Stabilized Water Level (bgs): 10/30/98	
Sample Number	Depth (Feet) Recovery	USCS Symbol	Water Level	Surface Elevation: NA Casing Top Elevation: NA LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)	Boring Abandonment/ Well Construction Detail
16.3 B1-7 16.9	5 6			DARK GRAYISH BROWN (10YR 4/2) SANDY CLA (CL) stiff, dry (0,35,20,45)	Bockfilled with Ground
B1-10 13.9	10			DARK GRAYISH BROWN (10YR 4/2) SAND AND CLAY MIX (CL/SW) stiff, dry (0,45,10,45)	
B1-13 33.2	13 - 14 - 15 - 15 - 1			PALE BROWN (10YR 6/3) SILTY SAND (SM) medium dense, dry (0,60,30,10) odor of diesel	
	17 -			odor becomes wet	
22.2	19 -	1.1.1.1			

Reviewed By	SETH STILES, R.G.	Dat

12/7/98

Date _____

Project:	A	RCH	STO	NE			-			 		Log	of Boring/Monitoring Well:
Boring Locati	on: D	UBLI	N, C	CALIF	RNIA		- i-	Proje	ct No.: F080	3-041-01			
Subcontractor	and E	quipm	ent:	PREC	ISION	GEOPROB	BE .	Logge	d By: S.R.S	Drawn By:	C.R.		B2
Sampling Met							Monitoring (Device:	PID			Com	ments:
Start Date/Ti			3/98	3//13	22		Finish Date,	/Time:	10/30/98				
First Water (t	ogs): N	A					Stabilized W	later Le	vel (bgs): N/	4			
Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level		evation: NA LIT (color, grain		Boring Abandonment/ Well Construction Details				
B2-10	2.6 22.2 40.8	0 1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9	Rec	250	Wat	BROWN dry, on PALE Bredium	(7.5YR 5 ly small ROWN (10 stiff, dr	BROWI (0,40, (0,40, 0)YR 6 y	N (10YR 10,50) FINE SANI le	4/2) SAN D (SW) do	DY CLA		Bockfilled with Grout

Reviewed By	SETH STILES, R.G.	Date	12/7/98
Revised Rv		Data	

Page 1 of 1

Project:	A	RCH:	ST0	NE								Log	of Boring/Monitoring Well:
Boring Location	n: D	UBLI	N, (CALIFO	RNIA	\	*	Proje	ect No.: FO8	803-041-0)1		_
Subcontractor							BE			S. Drawn E		1	B 3
Sampling Meth	rod: C	ONTI	NUC	SUS			Monitoring				,	Con	nments:
Start Date/Tir					 58		 		10/30/9	8			
First Water (b	gs): N	 A	,	77.			+		evel (bgs):			1	
				loo		Surface Ele	*	IA		Top Elevation	: NA		
Sample Number	PID (ppm)	Depth (Feet)	Recovery	USCS Symbol	Water Level	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)							Boring Abandonment/ Well Construction Details
B3-10 B3-13	2.2 2.7 49.1	0 1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10				BROWN BROWN (5,65,1) LIGHT (stiff, distiff, distiff, distiff)	(7.5YR (7.5YR 5,15)	(5,40) 5/4) OWN	FINE SAI	4/2) SANDY	dense, de	dry,	Backfilled with Grout
							0.57		. P.C		2/7/00		

Reviewed By SETH STILES, R.G. Date: 12/7/98 Revised By:

Date.

Project:		ARCH	STO	NE						**		10	og af Boring/Monitoring Well:
Boring Loca	tion:	DUBL	N, (CALIF	ORNIA	\		Pro	iect No.: F	0803-04	1-01		<u> </u>
Subcontract							 BF				m By: C.R	_	B5
Sampling Me	ethod: (CONT	NUC	US			Monitorin				oj. o.ik		omments:
Start Date/					55		Finish Date/Time: 10/30/98						Ainterits.
First Water	(bgs):	۱A							Level (bgs)				
		Τ				Surface Ele		NA			tion: NA		
Sample Number	(F)	Depth (Feet)	_	USCS Symbol	Level	Solitote Ex			COSTI	Top Eleva	tion: IVA		Boring Abandonment/
ple	PID (ppm)	_ €	Recovery	S	ra L		(color as	LITHOL	ogic des	CRIPTION			Well Construction Details
Sam	윤	Oeb	Rec	OSC	Woter		(coo, gre	nn size,	consistenc	y, moisture	. other)		well construction Details
		0 -									 _		
85 –7	183	1 - 1 2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				DARK (CL) st	GRAYISH iff, dry	BR0(0,35	WN (10Y	R 4/2)	SANDY C	ELAY	Backfilled with Grout
85–10	21.4					SAND A	ND CLAY	XIM Y	(CL/SW), sand	BECOMES is well um dense		
B5-13	215.4	12 -				stiff (0,	45,10,4	5)				,	
		14 - 7	**************************************			PALE BR medium	dense,	mois	0/ <i>3)</i> 311 t	II SANL	J (SM)		
B5-16	228	16				odor Becomes	wet, s	soft					
	9.4	9										F	-
	- ' '	, <u> </u>											. K.Z.Z.
	2	_t_0			l_								·
	<u> </u>										10/7/0		

Reviewed By SETH STILES, R.G.

Revised By

Date: _____

Project:	Δ	RCH	STO	NE					.=	Log of Bo	ring/Monitoring Well:
Boring Locatio	n: D	1	DO								
Subcontractor	and E	quipn	ent:	PRECI	SION	GEOPROE	BE	Project No.: F080 Logged By: S.R.S	S. Drawn By: C.R.	1	B6
Sampling Meth								Device: PID		Comments	<u> </u>
Start Date/Tir					24		Finish Date	/Time: 10/30/98	····	1	
First Water (b								later Level (bgs): N		1	
		T		JSCS Symbol		Surface Ele			op Elevation: NA	1	
Sample Number	PID (ppm)		ring Abandonment/ Construction Details								
<u> </u>	 										
B6-7	23	1 - 2 - 3 - 4 5 7 8 8				BROWN (CL) (C	/DARK BI),25,20,55	FOWN (10YR 4	4/3) SANDY CLAY		Backfilled with Grout
B6-10	22.9	9 - -				mediun	dense,		Y SAND (SM) ED WELL GRADE		
	13.3	11 - 12 - 13 - 14 - 14 - 1				MULTI	COLORED	FILL (SW) poo	or recovery	`	
B6-17	11.7	17 18 19 19				BROWN, (CL) (0	/DARK BF ,25,20,55	ROWN (10YR 4) moist	/3) SANDY CLAY		
		20 —			1	eviewed By	SETH S	STILES, R.G.	Date: 12/7/98	3	

Revised By _____ Date. _

Date.

Bridge Color DUBLIN, CALIFORNIA Project No.: F0803-041-01 Doys First Not Project	Project:												Log	of Boring/Monitoring Well:
Sampling Nathout CONTRILLIOUS Mailtoring Device Pip Sign Devotion Comments Part Work Control Comments Com	Boring Location	n: D	UBLI	Ν, (CALIFO	RNIA			Projec	t No.: F080	3-041-01			D 7
Sinch Date Time 10/28/98 / 10/30	Subcontractor	ond E	quipm	ent:	PRECI	SION	GEOPROE	3E	Logge	d By: S.R.S	Drown By:	C.R.		D/
Stobilized Water Level (bgs): NA Stobilized Water Level (bgs): NA Casing Top Elevation: NA Casing Top Elevation: NA Boring Abondomment/ Well Construction Details	Sampling Meth	od: C	ПИО	NUC	NS.			Monitoring	Device:	PID			Con	nments:
Stobilized Water Level (bgs): NA Stobilized Water Level (bgs): NA Casing Top Elevation: NA Casing Top Elevation: NA Boring Abondomment/ Well Construction Details	Start Date/Tim	ne: 1(0/28	1/98	3//09	30		Finish Date	/Time:	10/30/98			Ì	
B7-19 22.0 19 BROWN/DARK BROWN (10YR 4/3) SANDY CLAY (CL) (0,25,20,55) BROWN/DARK BROWN (10YR 4/3) SANDY CLAY (CL) (0,25,20,55) BROWN/DARK BROWN (10YR 6/3) SILTY SAND (SM) PALE BROWN (10YR 6/3) SILTY SAND (SM) BROWN/DARK BROWN (10YR 4/3) SANDY CLAY (CL) (0,25,20,55) BROWN/DARK BROWN (10YR 4/3) SANDY CLAY (CL) (0,25,20,55)												:		
B7-10 25.2 10 -	Somple Number	Surface Elevation: NA Casing Top Elevation: NA LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)										l '		
1 ²	B7-10	24.2 25.2 26.5	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19				PALE B medium BROWN, (CL) (C	BROWN (1 n dense,	0YR (dry (6/3) SILT 0,50,30,2 wet	Y SAND (O)	(SM)		Backfilled with Grout
	L		20											

Reviewed By SETH STILES, R.G. Date 12/1/98

Revised By

Date _____

	ARCHST				Log of Boring/Monitoring Well:					
Boring Location:					Project No.: F0803-041-0)1	Do			
Subcontractor and			ISION	GEOPROBE	Logged By: S.R.S. Drawn B	y: C.R.	B8			
Sampling Method:				Monitoring	Device: PID		Comments:			
Start Date/Time:		98//08	345	Finish Date	/Time: 10/30/98					
First Water (bgs):	NA			Stabilized V	later Level (bgs): NA					
Sample Number	Depth (Feet)	USCS Symbol	Water Level		Casing Top Elevation: THOLOGIC DESCRIPTION size, consistency, moisture, ot		Boring Abandonment/ Well Construction Details			
8.8 88-7 12.7	5 - 6 -				ROWN (10YR 4/3) SAN		Backfilled with Grout			
B8-10 112	9 -1			PALE BROWN (19 medium dense,	OYR 1/3) SILTY SAND dry	(SM)				
	12 -		İ	diesel odor			E Ø			
B8-13 170				becomes wet						
	15 -			BROWN (10YR 5, (0,90,5,5) no oc	/3) FINE SAND (SW) of	lense, we				
	17 18 19 19 17									
	20 =									

Reviewed By SETH STILES, R.G. Date 12/7/98

Revised By

Date ____

Page 1 of 1

APPENDIX B LABORATORY ANALYTICAL REPORTS

Field Investigation Summary Report
Financial Gateway Property
5054 Havens Place
Dublin, California
SECOR PN: F0803-041-01
March 11, 1999

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

November 2, 1998

Seth Stiles/Mark Becker SECOR 1225 Pear Avenue, Suite 110 Mountain View, CA 94043

Subject:

3 Water Samples

Lab #'s:

E19490-E19492

Project Name:

Project Number:

FD803-041-01

Method(s):

EPA 200.7, EPA 8015M, EPA 8020

Dear Seth Stiles/Mark Becker,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2224). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson

Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

NARRATIVE

Lab #'s:

E19490 - E19492

Method(s):

EPA 200.7, EPA 8015M, EPA 8020

SUMMARY:

Three (3) water samples were received from SECOR on October 30, 1998. Sample cooler was intact at time of sample receipt.

FINDINGS:

For lab number E19491, TPH-Gas chromatogram, although within the reporting limits, does not match the typical Gas pattern. The chromatogram indicates the presence of a fuel which is heavier than gas. For lab number E19492, TPH-Gas chromatogram, although within the reporting limits, does not match the typical Gas pattern. The chromatogram indicates the presence of a fuel which is heavier than gas.

All Quality Control parameters are within established limits.

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

WATER

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker

Date: 11/2/98

Date Received: 10/30/98

Project: FD803-041-01

PO #:

Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	B6			B2			B1				
Sample Date	10/30/98			10/30/98			10/30/98				
Sample Time	12:20		12:30			12:30					
Lab#	E19490			E19491			E19492				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in mg/Liter:		_									
Analysis Date							11/2/98				
Dissolved Lead	na			na			ND 1	1.0	0.015	0.015	200.7
Results in µg/Liter:											
Analysis Date	10/30/98		-								
TPH-Diesel	ND	1.0	50	na			na			50	8015M
Analysis Date				10/30/98			10/30/98				
TPH-Gas	na			3,300 ^x	1.0	50	7,700 ×	20	1000	50	8015M
MTBE	na		•	ND	1.0	5.0	ND	20	100	5.0	8020
Benzene	na			0.56	1.0	0.50	ND	20	10	0.50	8020
Toluene	па			ND	1.0	0.50	ND	20	10	0.50	8020
Ethyl Benzene	na			ND	1.0	0.50	ND	20	10	0.50	8020
Xylenes	па			3.0	1.0	0.50	52	20) 10	0.50	8020

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

- 1. Sample was filtered prior to analysis
- 2. na: not analyzed
- 3. Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

Michelle L. Anderson, Lab Director

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

STANDARD LAB QUALIFIERS July, 1998

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier	Description
U	Compound was analyzed for but not detected
J	Estimated valued for tentatively identified compounds or if result is below PQL but above MDI
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
В	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography Laboratory Control Spikes

QC Batch #: DW981007

Date analyzed:

10/27/98

Matrix: Water

Date extracted:

10/27/98

Units: µg/L

Quality Control Sample:

Blank Spike

PARAMETER	Method #	MB μg/L	SA μg/L	SR μg/L	SP μg/L	SP %R	SPD µg/L	SPD %R	RPD	QC RPD	LIMITS %R
Diesel	8015M	<50.0	950	ND	996	105	954i	100	4	25	62-131

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R) Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R) Spike Duplicate % Recovery

NC: Not Calculated

QUALITY CONTROL RESULTS SUMMARY

METHOD: ICP

QC Batch #: WM981026

Date Analyzed: 11/02/98

Matrix: Water

Units: mg/L Quality Control Sample: Blank Spike

P ARAME TER	Method #	MB mg/L	SA mg/L	SR mg/L	SP mg/L	SP %R	SPD mg/L	SPD % R	RPD	QC %R	LIMITS
Antimony	200.7	na	na	na	na	na	na	na	na	75- 125	25.0
Arsenic	200.7	<0.005	0.50	ND	0.53	106	0.49	98	7.5	75- 125	25.0
Barium	200.7	na i	na	na	na	na l	na i	na i	па	75- 125	25.0
Beryllium	200.7	na i	na	na	na	na	na	na	na na	75- 125	25.0
Cadmium	200.7	. <0.005	0.50	ND	0.46	92	0.47	94	1.7	75- 125	25.0
Chromium	200.7	<0.005	0.50	ND	0.45	91	0.45	91	0.0	75- 12 5	25.0
Cobalt	200.7	na i	na	na	na	na	na	па	na na	75- 125	25.0
Copper	200.7	<0.005	0.50	ND	0.47	94	0.47	95	1.3	75- 125	25.0
Lead	200.7	<0.005	0.50	ND	0.48	95	0.50	99	3.7	75- 125	25.0
Molybdenum	200.7	na	na	na	na	na	na	na	па	75- 125	25.0
Nickel	200.7	<0.005	0.50	ND	0.50	99	0.49	97	2.0	75- 125	25.0
Selenium	200.7	<0.005	0.50	ND	0.48	97	0.50	100	3.9	75- 125	25.0
Silver	200.7	<0.005	0.50	ND	0.47	95	0.47	95	0.0	75- 125	25.0 i
Thallium	200.7	па	na	na	па	na	na	па	na	75- 125	25.0
Vanadium	200.7	na	na	na	na	na	na	na	na	75- 125	25.0
Zinc	200.7	<0.005	0.50	ND	0.49	98	0.48	96	2.1	75- 125	25.0

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

MB: Method Blank

na: Not analyzed in QC batch

SA: Spike Added SR: Sample Result SP: Spike Result

SP (%R) Spike % Recovery

SPD Spike Duplicate Result

SPD (%R) Spike % Recovery

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG2981030

Matrix: Water

Date Analyzed: 10/30/98 Quality Control Sample: Blank Spike

Units: ug/L

PARAMETER	Method #	MB ug/L	SA ug/L	SR ug/L	SP ug/L	SP % R	SPD	SPD %R	RPD	QC RPD i	LIMITS %R
Benzene	8020	<0.50	40	ND	39	96	38	96	0.6	25 i	78-112
Toluene	8020	<0.50	40	ND	39	98	39	98	0.1	25	80-111
Ethyl Benzene	8020	<0.50 ;	40	ND	39	98	42	106	7.2	25 !	79-114
Xylenes	8020	<0.50 i	120	ND	122	101	122	101	0.0	25	79-116
Gasoline	8015	<50.0	500	ND	496	99	502	100	1.2	25	66-124

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
NC: Not Calculated

																<u>Cha</u>	in-of Cus	tody Number:	
	····			SI	EC	OF	?	Cha	ain-	of (Cus	stod	ly F	lec.	ord				
Field Office: Attn." 5a. Address: 1225	<u> 1</u> 00	un	Ave'	7.	110	>		ke	<u>2</u>							ents a	re attached	d, and are a part of this Reco	rd.
ph (650) 691-0				2>\	17	04 1-	3	2 ~			Loc	cation	n:		 -				
Project # FD803-1041-6)	-72 X	<u> </u>	<i>J</i>	B	1	<u> </u>	7	<u></u>			An	alvsi	s Re	nues	†			
Project # FDF03-041-01 Task # 00 Project Manager Hove Gates Laboratory Fntag Turnaround Time 24-how					2H-G ///	Ç &	TPH 418.1	tiles	iics //MS)	/olatiles	Organics (MS)				, ,	20 (12)			of Containers
Sampler's Name Styles Sampler's Signature Time Matrix				HCID	TPHg/BTEXA 3015 (modifie	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH	Aromatic Volatiles 602/8020	olatile Organ 24/8240 (GC	falogenated \	Semi-volatile (25/8270 (GC	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	135. A		Comments/	Number of C
	P/3:14E	12:30	W		XX	X		4.9	V 9	1.9	0 0	d. 0	7.4	a ≥	1	釜		Instructions	1
																X	114	filher Ph	1,5
				, ,								7							
																			
Special Instructions/Comments: \$ 2H-hour or whatever is uppropriate due to sample are off the 3 time				Sign Prin Con Time	ipany 15		1 s	PS				Received by: Sign Vertage Print V. TRATO Company ENTERTH Time V:10 Date 10) H 10/30/2	Sample Receipt Total no. of containers: Chain of custody seals: Rec'd. in good condition/cold: Conforms to record:	
From the chtc3 time. From y one VDA, ~ 125ml for Pb.					Sign						Sign						Client:		
				Company Date						Company Date Client Phone:					-				
SECOR CUSTREC Rev. 1/95							***							····		Date	10 13	30,98 Page L of	 '

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

October 30, 1998

Seth Stiles/Mark Becker SECOR 1225 Pear Avenue, Suite 110 Mountain View, CA 94043

Subject:

5 Water Samples

Lab #'s:

E19403-E19407

Project Name:

Project Number:

F0804-041-01

Method(s):

EPA 200.7, EPA 8015M, EPA 8020

Dear Seth Stiles/Mark Becker,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2224). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson

Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

NARRATIVE

Lab #'s:

E19403-E19407

Method(s):

EPA 200.7, EPA 8015M, EPA 8020

SUMMARY:

Five (5) water samples were received from SECOR on October 29, 1998. Sample cooler was intact at time of sample receipt.

FINDINGS:

For lab number E19403, TPH-Gas chromatogram, although within the reporting limits, does not match the typical Gas pattern. The chromatogram indicates the presence of a fuel which is heavier than gas. For lab number E19406, TPH-Gas chromatogram, although within the reporting limits, does not match the typical Gas pattern. The chromatogram indicates the presence of a fuel which is heavier than gas.

All Quality Control parameters are within established limits.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

WATER

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker

Date: 10/30/98 Date Received: 10/29/98 Project: F0804-041-01

> PO #: Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	В3			B5			B7				
Sample Date	10/28/98			10/28/98	**		10/28/98				
Sample Time											
Lab#	E19403			E19404			E19405				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in mg/Liter:											
Analysis Date	10/30/98			10/30/98			10/30/98				
Dissolved Lead	ND 1	1.0	0.015	ND 1	1.0	0.015	ND 1	1.0	0.015	0.015	200.7
Results in µg/Liter:											
Analysis Date	10/29/98			10/29/98			10/29/98				
TPH-Diesel	58,000	20	1000	ND	1.0	50	ND	1.0	50	50	8015M
Analysis Date	10/29/98			10/29/98			10/29/98		· -		
TPH-Gas	7,500 ^x	1.0	50	ND	1.0	50	ND	1.0	50	50	8015M
MTBE	ND	1.0	5.0	ND	1.0	5.0	ND	1.0	5.0	5.0	8020
Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Toluene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Ethyl Benzene	ND	1.0	0.50	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Xylenes	2.2	1.0	0.50	1.1	1.0	0.50	1.2	1.0	0.50	0.50	8020

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

- 1. Sample was filtered prior to analysis
- 2. Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker Date: 10/30/98

Date Received: 10/29/98

Project: F0804-041-01

PO #:

Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Water Sample Anal	iyələ.							
Sample ID	B8			B6		-		
Sample Date	10/28/98			10/28/98				
Sample Time								
Lab#	E19406			E19407				
	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in mg/Liter:								
Analysis Date	10/30/98			10/30/98				
Dissolved Lead	ND 1	1.0	0.015	ND 1	1.0	0.015	0.015	6010
Results in µg/Liter:								
Analysis Date	10/29/98					~		
TPH-Diesel	1,400	1.0	50	na			50	8015M
Analysis Date	10/29/98			10/29/98				
TPH-Gas	4,100 ^x	1.0	50	ND	1.0	50	50	8015M
MTBE	ND	1.0	5.0	ND	1.0	5.0	5.0	
Benzene	0.92	1.0	0.50	ND	1.0	0.50	0.50	8020
Toluene	ND	1.0	0.50	ND	1.0	0.50	0.50	8020
Ethyl Benzene	0.90	1.0	0.50	0.54	1.0	0.50	0.50	8020
Xylenes	32	1.0	0.50	4.3	1.0	0.50	0.50	

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

- 1. Sample was filtered prior to analysis
- 2. na: not analyzed
- 3. Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

STANDARD LAB QUALIFIERS July, 1998

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier	Description
U	Compound was analyzed for but not detected
J	Estimated valued for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
В	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

METHOD: Gas Chromatography Laboratory Control Spikes

QC Batch #: DW981007

Date analyzed:

10/27/98

Matrix: Water Units: ug/L

Date extracted:

10/27/98

Units:	μg/L						Qu	ality Contro	l Sample:		Blank Spike
PARAMETER	Method #	MB μg/L	SA μg/L	SR µg/L	SP µg/L	SP %R	SPD µg/L	SPD %R	RPD	QC RPD i	LIMITS %R
Diesel	8015M	<50.0	950	NDi	996	105	954	100	4	25 i	62-131

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R) Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R) Spike Duplicate % Recovery

NC: Not Calculated



METHOD: ICP

QC Batch #: WM981025

Date Analyzed: 11/02/98

Matrix: Water

Units: mg/L Quality Control Sample: Blank Spike

Units:	myL								Quality	Control Sample:	Blank Spike
PARAMETER	Method#	MB mg/L	SA mg/L	SR mg/L	SP mg/L	SP %R	SPD mg/L	SPD % R	RPD	QC %R	LIMITS RPD
Aluminum	200.7	<0.05	_	0.00	5.1	102	5.1	103	0.2	75- 125	25.0
Arsenic	200.7	na	na	na	na	na	na	na	na	75- 125	25.0
Barium	200.7	na i	na	na	na	na	na	na	na	75- 125	25.0
Beryllium	200.7	t na	i na	na i	і ^п І па	na	i na	i na i	i na i	75- 125	25.0
Cadmium	200.7	<0.005		0.00	0.5	103	0.5	103	0.2	75- 125	25.0
Chromium	200.7	<0.005	•	0.00	0.5	105	0.5	103	na	75- 125	25.0
Cobalt	200.7	l na	na	na	na i	na	i na	na i	na i	75- 125	25.0
Copper	200.7	<0.005		0.00	0.5	97	0.5	96	па	75- 125	25.0
Lead	200.7	<0.005		0.00	0.6	110	0.5	100	9.5	75- 125	25.0
Manganese	200.7	<0.005		0.00	0.5	102	0.5	105	na i	75- 125	25.0
Nickel	200.7	<0.005		0.00	0.5	108	0.5	110	1.7	75- 125	25.0
Selenium	200.7	na	na	па	па	na	na	na	na	75- 125	25.0
Silver	200.7	na i	na t	na i	na	na	na i	na i	na i	75- 125	25.0
Thallium	200.7	na i	па	na	na	na	na	na	na	75- 125	25.0
Vanadium	200.7	na	na	na	na	na	na	na	na	75- 125	25.0
Zinc	200.7	<0.005	0.50	0.00	0.5	109	0.5	108	0.6	75- 125	25.0
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Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

MB: Method Blank

na: Not analyzed in QC batch

SA: Spike Added SR: Sample Result

SP: Spike Result

SP (%R) Spike % Recovery

SPD Spike Duplicate Result

SPD (%R) Spike % Recovery

METHOD: Gas Chromatography

QC Batch #: GBG4981029

Date Analyzed: 10/29/98

Matrix: Water

Quality Control Sample: Blank Spike

Units: ug/L

PARAMETER	Method #	MB ug/L	SA ug/L	SR ug/L	SP ug/L	SP % R	SPD ug/L	SPD %R	RPD	QC RPD	LIMITS %R
Benzene	8020	<0.50	40	ND	37	93	38	94	1.8	25	77-115
Toluene	8020	<0.50	40	ND	36	90	37	92	2.2	25	75-115
Ethyl Benzene	8020	<0.50	40	ND	38	95	38	95	0.4	25	77-115
Xylenes	8020	<0.50	120	ND	115	96	116	97	0.5	25	76-117
Gasoline	8015	<50.0	500	ND	549	110	540	108	1.7	25	66-134

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike % Recovery

NC: Not Calculated

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Field Office:	Attn: Se			ırk Be	ecke	r								Ado	lition					ttache	d, and	d are	a part of th	nis Recor	d.
Address: —	1225 Pea	r Ave	#110				<u> </u>						Job	Nar	ne: _			tone							
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Project #										·····		·		An	alvsi	s Red	ues	t					 		 -
Project Manag Laboratory F Turnaround Tir	jer <u>Howe G</u> Intech	ates_	ask #				TPHg/BTEX/WTPH-G/MTEE 8015 (modified)/8020	Q Q	TPH 418.1	tiles	nics XMS)	Volatiles	Organics J/MS)					(lab			F			i .	ontainers
Sampler's Nar	nature	600				HCID	PHg/BTEX/	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH	romatic Vola 02/8020	Volatile Organics 624/8240 (GC/MS)	alogenated 01/8010	emi-volatile 25/8270 (GC	esticides/PC 08/8080	otal Lead #21	Priority Pollutant Metals (13)	TCLP Metals	Pister Fed				Comn			Number of Containers
Sample Bl		Date	Time	Mat	atrix er	<u> </u>	F- 80	F 8	<u> </u>	₹ Ø	> 8	ΪØ	, S	<u> </u>	7 7	ھَ ≥َ	<u> </u>	Œ∺	<u></u>		·	Instru	ctions		-
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SECOR CUSTREC Rev 1/9	35										·														

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR International 1225 Pear Avenue, Suite 110

Mountain View, CA 94043

Attn: Seth Stiles/Mark Becker

Date: 10/30/98

Date Received: 10/29/98

Project: F0804-041-01

PO #:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B5-16			B6-7			B6-17				
Sample Date	10/28/98			10/28/98			10/28/98	·			
Sample Time											
Lab#	E19381			E19382			E19396				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Analysis Date	10/29/98			10/29/98		_	10/29/98				
TPH-Diesel	130	1.0	1.0	ND	1.0	1.0	ND	1.0	1.0	1.0	8015M

DE Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043

Attn: Seth Stiles/Mark Becker

Date: 10/30/98

Date Received: 10/29/98

Project: F0804-041-01

PO #:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B1-16			B2-13			B3-10				
Sample Date	10/28/98			10/28/98			10/28/98				
Sample Time											
Lab#	E19378			E19379			E19380				
	Result	DF	DLR	Result	DF	DLR	Resuit	DF	DLR	POL	Method
Analysis Date	10/29/98			10/29/98			10/29/98			`	
TPH-Diesel	120	1.0	1.0	56	1.0	1.0	120	1.0	1.0	1.0	8015M

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker

Date: 10/30/98 Date Received: 10/29/98 Project: F0804-041-01

PO #:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B7-13			B8-13				T		
Sample Date	10/28/98			10/28/98						
Sample Time										
Lab#	E19383			E19384	······					
	Result	DF	DLR	Result	DF	DLR		7	PQL	Method
Analysis Date	10/29/98			10/29/98					- (-	
TPH-Diesel	ND	1.0	1.0	100	1.0	1.0			1.0	8015M

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

525 Del Rey Avenue, Suite E Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

QC Batch #: DS981010

Date analyzed:

10/26/98

Matrix: Soil

Date extracted:

10/26/98

Units: mg/Kg

Quality Control Sample:

Blank Spike

PARAMETER	Method #	MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SP %R	SPD mg/Kg	SPD %R	RPD	QC RPD i	LIMITS %R
Diesel	8015M	<1.0	25	ND	20	81	20	79	2.5	25	60-119

Note: LCS and LCSD results reported for the following Parameter:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

MB: Method Blank

na: Not Analyzed in QC batch

SA: Spike Added

SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result

SP (%R): Spike % Recovery

SPD: Spike Duplicate Result

SPD (%R): Spike Duplicate % Recovery

NC: Not Calculated

Chain-of Custody Number: SECOR Chain-of Custody Record Additional documents are attached, and are a part of this Record. Attn: Seth Stiles/Mark Becker Field Office Archstone 1225 Pear Ave #110 Job Name: Address: Mountain View, CA 94043 Dublin, California (650) 691-0131, FAX (650) 691-9837 **Analysis Request** Project #F0804-041-01 Task # 00 Project Manager Howe Gates Laboratory Entech Number of Containers Turnaround Time ____24-hour Sampler's Name __Stiles Sampler's Signature Comments/ Sample ID Time Matrix Instructions B1-7 奏奏多 10/28/98 soil BI- 13 132 - 13 B2 - 16 B3-10 -13 Relinquished for Special Instructions/Comments: Sample Receipt Received by: Sign _ Total no. of containers: Print Chain of custody seals: Company SECOR Company _ EMT Rec'd. in good condition/cold: Date/0/21/91 Time 10 30 Time <u>10:30</u> Date 10 Conforms to record: Relinquished by: _ Received by: , Client: ___ Sign _ tecnses Client Contact: _____ Print Company ENTO Company _

SECOR CUSTREC Rev 1/95

24 Date 10 79 96 Time 11 53214 Date 109 98

Date: 10 , 27,78 Page 1 of 7

Client Phone: ____

Chain-of Custody Number: SECOR Chain-of Custody Record Attn: Seth Stiles/Mark Becker Additional documents are attached, and are a part of this Record. Field Office:.. Archstone 1225 Pear Ave #110 Address: Job Name: _ Dublin, California Mountain View, CA 94861043 Location: **Analysis Request** Project #_F0804-041-01____Task #_00 Project Manager Howe Gates Laboratory Entech TPH 418.1/WTPH 418.1 Number of Containers 24-hour Turnaround Time ... Volatile Organics 624/8240 (GC/MS) Sampler's Name Stiles, Sampler's Signature 유 Comments/ Sample ID Date Matrix Time Instructions 10/28/mg soil E1938 Add CUZUHZRUSK off- 111-21d Relinquished by: Special Instructions/Comments: Received by: Sample Receipt Sign Sian Total no. of containers: Print _ 5-5 (-5 Print _(/ Chain of custody seals: Company_SECOR Company _ Rec'd. in good condition/cold: Time <u>/6.30</u> Time (0 3) Date/2/21/48 Date 10-29-Conforms to record: Relinquished by: Received by: Client: ____ Sign ... Print Client Contact: Company ____ Company Enton Time 10:52 Date 10-39-96Time 10:52 Date 10 1946 Client Phone: ____ SECOR CUSTREC Rev. 1/95

Date: 10, 29,98 Page 2 of 3

SECOR International Incorporated

Portland Office
7730 Southwest Mohawk Street
Post Office Box 1508
Tualatin, OR 97062-1508
Phone: (503) 691-2030

Phone: (503) 691-2030 FAX: (503) 692-7074

LETTER OF TRANSMITTAL

Date: April 13, 1999

Howe to

Attn:

Mr. Scott Seery

Company:

Alameda County Health Services Agency

Address:

1131 Harbor Bay Parkway, Suite 250

Alameda, California 94502

RE: Field Investigation Summary Report for 5054 Havens Place in Dublin, CA

ENCLOSED:

FOR:

()	Proposal	(X)	As Requested	
()	Contract	()	Review	10
(X)	Report	()	Your Information	99 APR
()	Letter	()	Approval	2 S
()	Other:	()	Signature	The state of the s
		()	Return	PM12:
		()	Other:	18

Comments: Enclosed please find a final Field Investigation Summary Report for the referenced site. We hope that the information presented therein is such that your office will consider closure of the case file. If you need any additional information, please feel free to contact me.

Signature:

D. Howe Gates, R.E.A.

Title:

Senior Project Manager

Chain-of Custody Number: SECOR Chain-of Custody Record Field Office: Attn: Seth Stiles/Mark Becker Additional documents are attached, and are a part of this Record. Archstone 1225 Pear Ave #110 Job Name: _ Address: Mountain View, CA 94043 Dublin, California Location: (650) (###) 691-0131, FAX (650) 691-9837 **Analysis Request** Project Manager ### Howe Gates Laboratory Entech Number of Containers 24-hour Turnaround Time Sampler's Name ____Stiles Sampler's Signature HCID Comments/ Sample ID Date. Time Matrix Instructions 10/25/94 soil Bb - 13 Special Instructions/Comments: Relinquished by: Received/by: Sample Receipt Sign Sian Total no. of containers: Print 5/1-05 Print (2 Chain of custody seals: Company SECOR Company __ Rec'd, in good condition/cold: Date/2/29/97 Date/0-29-7 Time 10:30 Time 10:30 Conforms to record: Ennifer Dubin Millor Vinker Client: Received by: Relinquished by: __ Sian () mortilei Sign ___ Print ___/ Client Contact: Company Contact. Company ENTAN Date 10:52 Date 10:29 A Client Phone: SECOR CUSTREC Rev 1/95

Date: 10,29,97 Page 3 of 3

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker Date: 11/9/98

Date Received: 10/29/98

Project: F0804-041-01

PO#:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B1-16 10/28/98			B2-13			B3-10				
Sample Date				10/28/98			10/28/98				
Sample Time											
Lab#	E19378			E19379			E19380				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Analysis Date	11/6/98			11/6/98			11/6/98				
TPH-Gas	3.5 ^x	1.0	1.0	2.2 ^x	1.0	1.0	1.6 ^x	1.0	1.0	1.0	8015M
Benzene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0.005	8020
Toluene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0.005	8020
Ethyl Benzene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0.005	8020
Xylenes	0.0061	1.0	0.005	0.0051	1.0	0.005	ND	1.0	0.005	0.005	8020

DF=Dilution Factor

ND= None Detected above DLR

PQL=Practical Quantitation Limit

DLR=Detection Reporting Limit

Control of Man

NOV 1 3 1998

TASK NO:_

[·] Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker

Date: 11/9/98
Date Received: 10/29/98

Project: F0804-041-01

PO#:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B5-16			B6-7			B7-13				
Sample Date	10/28/98			10/28/98			10/28/98				
Sample Time											
Lab#	E19381			E19382			E19383				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Analysis Date	11/6/98		-	11/6/98			11/6/98				
TPH-Gas	8.7 ^x	1.0	1.0	ND	1.0	1.0	ND	1.0	1.0	1.0	8015M
Benzene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0.005	8020
Toluene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0,005	8020
Ethyl Benzene	ND	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0,005	8020
Xylenes	0.035	1.0	0.005	ND	1.0	0.005	ND	1.0	0.005	0.005	8020
DF=Dilution Factor	ND= None De	R PQL	=Practic	al Quant	itation Limit DLR=Detecti			ion Reporting Limit			

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

SECOR International 1225 Pear Avenue, Suite 110 Mountain View, CA 94043 Attn: Seth Stiles/Mark Becker

Date: 11/9/98 Date Received: 10/29/98 Project: F0804-041-01

PO#:

Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Jon Gampic Analys			<u>6/</u>								
Sample ID	B8-13			B6-17							
Sample Date	10/28/98			10/28/98							
Sample Time											
Lab#	E19384			E19396					,		
	Result	DF	DLR	Result	DF	DLR			PQL	Method	
Analysis Date	11/6/98			11/6/98							
TPH-Gas	11 ^x	1.0	1.0	ND	1.0	1.0			1.0	8015M	
B e nzene	ND	1.0	0.005	ND	1.0	0.005			0.005	8020	
Toluene	ND	1.0	0.005	ND	1.0	0.005			0.005	8020	
Ethyl Benzene	ND	1.0	0.005	ND	1.0	0.005			0.005	8020	
Xylenes	0.021	1.0	0.005	ND	1.0	0.005			0.005	8020	
DF=Dilution Factor	ND= None De	LR PQI	.=Practic	al Quant	itation Limit	DLR=Detection Reporting Limit					

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

STANDARD LAB QUALIFIERS July, 1998

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier	Description
U	Compound was analyzed for but not detected
J	Estimated valued for tentatively identified compounds or if result is below PQL but above MDI
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
В	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

METHOD: Gas Chromatography

QC Batch #: GBG4981103

Matrix: Soil Units: μg/kg Date Analyzed: 11/03/98

Quality Control Sample: Blank Spike

PARAMETER	Method #	MB	SA	SR	SP	SP	SPD	SPD	RPD	QC	LIMITS
		μg/kg	μg/kg	μg/kg	μg/kg	% R	μg/kg	%R		RPD i	%R
Benzene	8020	₹5.0	80	ND	<i>7</i> 7	96	76	95	0.8	25 i	76-117
Toluene	8020	<5.0	80	ND	80	100	77	96	4.0	25	76-117
Ethyl Benzene	8020	<5.0	80	ND !	81	101	78	97	3.8	25	74-119
Xylenes	8020	i <5.0 i	240	ND	247	103	231	96	6.9	25	75-120
Gasoline	8015	<1000.00	1000	ND	1080	108	1050	105	2.8	25	58-120

Note: LCS and LCSD results reported for the following Parameters:

All

Acceptable LCS and LCSD results are reported when matrix interferences cause MS and MSD results to fall outside established QC limits.

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery

NC: Not Calculated

Chain of Custody Number: SECOR Chain-of Custody Record Attn: Seth Stiles/Mark Becker Additional documents are attached, and are a part of this Record. Field Office: Job Name: Archstone 1225 Pear Ave #110 Address: Mountain View, CA 94043 Dublin, California Location: _ (650) 691-0131, FAX (650) 691-9837 Project #F0804-041-01 Task # 00 **Analysis Request** Project Manager Howe Gates Laboratory Entech Number of Containers 24-hour Turnaround Time ___ Sampler's Name Stiles Sampler's Signature H C C Comments/ Sample ID Time Matrix Instructions 10/28/11 soil Hold 豪萝 131-16 F19378 B2-10 132 - 13 F19379 B2 - 16 B3-10 Relinquished by Special Instructions/Comments: Received by: Sample Receipt Sign _ Total no. of containers: Chain of custody seals: Company SECOR Company _______ Rec'd. in good condition/cold: Date/0/27/91 Time 10 30 Time 10/30 Date 1009 Conforms to record: Relinquished by: _ Received by: _ Client: __ Print DIVE Client Contact: Company ENTO Company ____ Time 10:530MADate 1029 Client Phone: SECON CUBINED Nov 1706

Date: 10 , 27,78 Page 1 of 3

Chain-of Custody Number: SECOR Chain-of Custody Record Attn: Seth Stiles/Mark Becker Additional documents are attached, and are a part of this Record. Field Office: 1225 Pear Ave #110 Archstone Address: Job Name: _ Dublin, Califor Mountain View, CA 94801043 Location: Project #_F0804-041-01 **Analysis Request** Task #_00 Project Manager Howe Gates Entech Laboratory ___ TPH 418.1MTPH 418.1 Number of Containers 24-hour Turnaround Time ___ Priority Pollutant Metals (13) Stiles Sampler's Name ____ Sampler's Signature HÖÜ Comments/ Sample ID Date Time Matrix Instructions 10/28/97 soil Add ou 24 Hickory Special Instructions/Comments: Relinquished by: Received by: Sample Receipt Sian Print 57 (es Total no, of containers: Print 1 Chain of custody seals: Company SECOR Company Rec'd. In good condition/cold: Time (03) Date 10-29 Conforms to record: Relinquished by: Received by: Client:

Time 10:52 Date 10-29-96Time 10:52

Company -in-

_ Date [D]

Company

SECON CUSTREC Flow 1/95

Date: 10, 29, 98 Page 2 of 3

52158 Client Phone: __

Client Contact: _____

SECOR Chain-of Custody Record Additional documents are attached, and are a part of this Record. Attn: Seth Stiles/Mark Becker Archstone 1225 Pear Ave **#110** Job Name: _ Address: Mountain View, CA 94043 Dublin, Califor Location: _ (650) (#15) 691-0131, FAX (650) 691-9837 ≼ ℃ **Analysis Request** Project Manager Howe Gates Laboratory Entech Number of Containers 24-hour Turnaround Time _____ Sampler's Name Stiles Sampler's Signature Comments/ Sample ID Matrix Date Time Instructions 10/25/17 Hold soil B8 - 10 Bb - 13 Received/by: _ Sample Receipt Special Instructions/Comments: Relinquished by: Sign _ Total no. of containers: Print (Chain of custody seals: Company SECOR Company ____ Rec'd. in good condition/cold: Time 10:30 Date 0-29-7 Time / 0:30 Conforms to record: Sign Charles Duben Client: Relinquished by: _ Sian ____ Print DANIED Seuckin Client Contact: Print ___ SECOR CUSTREC Rev 1/95

Date: 10,29,97 Page 3 of 3

Chain-of Custody Number: