

C O V E R**FAX****S H E E T**

To: Scott Seery
Fax #: 510/337-9335
Subject: Laboratory Reports and Boring Logs
Date: November 6, 1998
Pages: 23, including this cover page 23

COMMENTS:

Scott,

Per our discussion this morning, I am transmitting boring logs and the laboratory analytical report. The lab will be sending me a narrative stating that the gasoline detections in groundwater samples which have an "X" qualifier had chromatographic patterns typical of hydrocarbons heavier than gasoline. Please feel free to call me if you have any questions.

Thanks again for your attention to this project. Have a nice weekend!

From the desk of...

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

Telephone (650) 691-0131
Extension 31
Fax (650) 691-9837

Dear Scott Seery:

I have quickly updated these very rough logs for your review as requested. I've added notes in the "Sample Interval" column reflecting the sample ID and location for soil samples that were chosen for analysis. You can compare these sample depths with their relative PID readings in the PID column. Note that where "saturated" or "first encountered water" notes are absent that is because I did not observe clear saturation in the field. Also note that my nomenclature for sample interval and sample recovery is in the Depth column and is as follows:

Project: Archstone

Boring Location: Dublin, California Project No.: F

Subcontractor and Equipment: Precision Logged By: _____

Sampling Method: continuous Monitoring Device: PID

Start Date/ Time: 10/28/98 // Finish Date/ Time: _____

First Water (BGS): _____ Stabilized Water Level (BGS): _____

Sample Interval Recovery, Inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation: Ca
					LITHOLOGIC DES (color, grain size, consistenc
			0		
			1		↑ Sample Interval ↓
			2		
			3	no recovery	
			4		
			5		
			6		
			7		
			8		
			9		
			10		
			11		

Project: Archstone Log of Boring: B1 Page 1 of 1

Boring Location: Dublin, California Project No.: F08P3-D41-01

Subcontractor and Equipment: Precision Geoprobe Logged By: SRS

Sampling Method: continuous Monitoring Device: PID

Start Date/Time: 10-28-98 / 11:05 Fresh Date/Time: _____

First Water (BGS): _____ Stabilized Water Level (BGS): _____

Comments: Top of hole is 3' below grade

Sample Interval Recovery, inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/ Well Construction Details
					LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)		
			0				
			1	cl	dk. grayish brown (10YR 4/2) sandy clay, stiff, dry (0, 35, 20, 45)		
		16.3	2				
			3	cl			
			4				
		6.9	5	cl			
			6				
			7				
		13.9	8	cl			
			9				
			10				
		33.2	11	cl / sh	dk. grayish brown (10YR 4/2) sand/clay mix, stiff, dry (0, 45, 10, 45) sh = well graded, like "fill" in Bl, but fine blocks in fine.		
			12				
			13		pale brown (10YR 6/3) silty sand, med dense, dry		
			14				
			15				
			16				
			17		odor		
			18		bluish		
			19		no odor		
		22.2	20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

1-sample run
 B1-16

T_c = 19'

granite

at grade

Project: Archstone		Log of boring: B2		Page 1 of 1	
Boring Location: Dublin, California		Project No.: FDD3-D41-01			
Subcontractor and Equipment: Precision, Geoprobe		Logged By: SRS			
Sampling Method: continuous		Monitoring Device: PID		Comments: Top of boring ~ 3' below grade	
Start Date/Time: 10-28-98/13:22		Finish Date/Time:			
First Water (BGS):		Stabilized Water Level (BGS):			

Sample Interval Recovery, inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/Well Construction Details
			0				
			1	CI	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)		
			2		dk. grayish brown (10YR 4/2) sandy clay, stiff, dry (0, 40, 10, 50).		
			3				
		2.6	4	CI			
			5				
			6		SAA		
		22.2	7	SW	brown (7.5YR 5/4) fine sand, dense, dry only small sample.		
			8	CI			
			9				
		10.8	10	CI	pale brown (10YR 6/3) sandy clay, med stiff, dry		
			11				
		28.7	13	SH	pale brown (10YR 6/3) fine silty sand becomes wet med. loose, moist		
			14				
		2.9	16	CI	same color, sandy clay, med stiff moist. (0, 30, 10, 60)		
			17				
			18	CI			
		3.0	19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

TD=19

sample run

B2-13

3' below grade

no color

pilot

Project: Archstone		Log of Boring: B3	Page 1 of
Boring Location: Dublin, California		Project No.: F0703-041-01	
Subcontractor and Equipment: Precision Geoprobe		Logged By: SRS	
Sampling Method: continuous		Monitoring Device: PID	Comments: Top of boring ~ 3' below grade
Start Date/Time: 10-28-98 13:58		Finish Date/Time:	
First Water (BGS):		Stabilized Water Level (BGS):	

Sample Interval Recovery Inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/ Well Construction Details
					LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)		
			0				
			1				
			2	CI	note cobble at contact. dk. grayish brown (2YR 4/2) sandy clay, stiff, dry (5, 10, 10, 45)		
			3	SW	brown (7.5YR 5/4) fine sand, dense, dry		
	22		4	SW	silt (fill?) (5, 6.5, 15, 15)		
			5				
			6				
	27		7	SW			
			8	CI	light olive brown (2.5 Y 5/3) sandy clay, stiff, dry		
			9				
	49.1		10	CI			
			11				
			12				
	15.0		13	SM	blue/green (not in Munsell) fine silty sand, moist, med dense becomes brown		
			14				
			15				
	26		16	CI			
			17				
			18				
	26		19	SM			
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

sample run
B3-10

3' below grade

GRIT

Project: <u>Archstone</u>		Log of Boring: <u>B5</u>	
Boring Location: <u>Dublin, California</u>		Project No.: <u>F0803-04-01</u>	
Subcontractor and Equipment: <u>Precision Geoprobe</u>		Logged By: <u>SRS</u>	
Sampling Method: <u>continuous</u>		Monitoring Device: <u>Penetrometer</u>	
Start Date/Time: <u>10-27-98/11:55</u>		Finish Date/Time: <u>10-28-98/12:30</u>	
First Water (BGS):		Stabilized Water Level (BGS):	

Sample Interval Recovery, Inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/ Well Construction Details
			0				
			1				
			2				
			3				
		183	4	Cl	dk. grayish brown (10yr 4/2) sandy clay, stiff, dry (0, 35, 20, 45)		
			5				
			6	Cl			
		17.5	7				
			8	Cl			
			9				
		21.4	10		dk. grayish brown (10yr 4/2) becomes sand clay mix, sand, odor! is well graded, multi colored (oxides) (0, 45, 10, 45) med dense/stiff		
			11	Cl			
		21.5	12	Cl			
			13				
			14		pale brown (10yr 6/3) silty sand, med, dense, moist		
			15	sm			
		22.8	16		odor becomes <u>wet</u> , soft.		
			17	sm			
			18		no odor		
			19		TD=19		
		9.4	20		DTW = dry @ 19, 10' @ 12:36		
			21		= dry @ 13:25		
			22		= dry @ 14:43		
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

sample run BS-16

27 grade

19 POC

Gravel

Project: <u>Archstone</u>		Log of boring: <u>B6</u>		Page 1 of
Boring Location: <u>Dublin, California</u>		Project No.: <u>FB03-041-21</u>		
Subcontractor and Equipment: <u>Precision, Geoprobe</u>		Logged By: <u>SRS</u>		
Sampling Method: <u>Continuous</u>		Monitoring Device: <u>PID</u>		Comments: <u>Piezometer</u>
Start Date/Time: <u>10-28-98 / 10:24</u>		Finish Date/Time:		
First Water (BGS):		Stabilized Water Level (BGS):		

Sample Interval Recovery, inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/ Well Construction Details
					LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)		
			0				
			1	Cl	brown/dk brown (10YR 4/3) sandy clay (p. 25, 20, 55)		
			2				
		23	4	Cl	sag		
			5				
			6				
		26	7	Sm	pale brown (10YR 6/3) silty sand, med dense, dry.		
			8				
		229	10	Sw	odd, highly compacted well graded multi-colored fill?? Driller reports soft, poor recovery.		
			11				
			12				
		13.2	13	Sw	fill?		
			14				
			15				
		7.9	16	Sw	fill?		
			17	Cl	Same sandy clay, moist		
			18				
		11.7	19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

Samples Run
 (B6-7)
 (B6-17)

3' below grade

Glass
 16.66 @ 16:37

Td = 19.1
 DTW = dry @ 11:15
 Td = 19.43'
 DTW = dry @ 12:31
 = 18.94 @ 13:26
 = 18.35 @ 14:44
 = 18.23 @ 14:59
 18.18 @ 15:08
 18.06 @ 15:22

SECOR

Reviewed by: 17.97 @ 15:37 Date: _____
17.74 @ 16:21

Project: <u>Archstone</u>		Log of Boring: <u>B7</u>		Page 1 of
Boring Location: <u>Dublin, California</u>		Project No.: <u>F0903-041-9</u>		
Subcontractor and Equipment: <u>Precision, Geoprobe</u>		Logged By: <u>SRS</u>		
Sampling Method: <u>Continuous</u>		Monitoring Device: <u>PID</u>		Comments: <u>Piezometer</u>
Start Date/Time: <u>10-28-98 / 9:30</u>		Finish Date/Time:		
First Water (BGS):		Stabilized Water Level (BGS):		

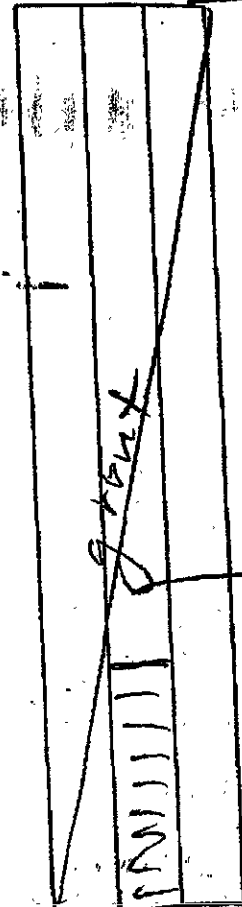
Sample Interval Recovery, Inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	Surface Elevation:	Casing Top Elevation:	Boring Abandonment/ Well Construction Details
			0				
			1				
			2	Cl	brown / dk brown (10YR 4/3) sandy clay (0, 25, 20, 55)		
		23.8	4				
			5				
		24.2	7	Cl			
			8				
			9				
		25.2	10	SM	silty sand (10YR 6/3), med dense, dry (0, 50, 20, 20)		
			11				
		27.8	13	SM	color change to pale brown (10YR 4/3) becomes moist, not wet.		
			14				
		26.5	16				
			17	Cl	same as Cl above		
			18				
		22.0	19	SM	same as SM above		
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				
			28				
			29				
			30				

Sample run B7-13

3' above ground

1" PVC

$T_c = 19'$
 DTW = 14.43 @ 11:12
 TD = 19.23
 DTW = 14.38 @ 12:32
 14.37 @ 13:30
 14.37 @ 14:45



Project: Archstone		Log of Boring: _____		Page 1 of _____
Boring Location: Dublin, California		Project No.: FDB03-041-0		Comments: BT piezometer
Subcontractor and Equipment:		Logged By: SRS		
Sampling Method: continuous		Monitoring Device: PID		
Start Date/Time: 10-28-98 / 8:45		Finish Date/Time:		
First Water (BGS):		Stabilized Water Level (BGS):		

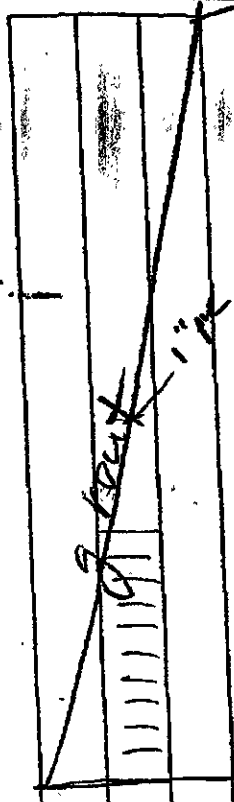
Sample Interval Recovery, Inches	Blows/foot	PID (ppm)	Depth (feet)	USCS Symbol	LITHOLOGIC DESCRIPTION (color, grain size, consistency, moisture, other)	Boring Abandonment/ Well Construction Details
			0			
			1		brown/dk brown (10YR 4/3) sandy clay (0, 28, 20, 53), stiff, dry	
			2	CI		
		8.8	3			
			4			
			5			
			6		sa	
		12.7	7	CI		
			8			
			9			
		14.2	10		discol odor with color change color changes to pale brown (10YR 6/3)	
			11			
			12			
		17.0	13			
			14		becomes wet	
			15			
			16	SW	brown (10YR 5/3) fine sand, plain, dense, wet (0, 90, 515) <u>no odor</u>	
			17			
			18			
			19			
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			

Sample Run
BB-13

3' above grade

$T_2 = 16'$
 first water = 14'

 DTW
 14.32 @ 11:10
 TD = 16.43
 DTW = 14.30 @ 12:34
 14.30 @ 13:28
 14.30 @ 14:46



Entech Analytical Labs, Inc.

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			PQL	Method
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	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)


Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 2224

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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

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)


 Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 2224

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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 #: [blacked out]
 Sampled By: Client

Certified Analytical Report

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

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

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)



 Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

SECOR Chain-of Custody Record

Field Office: Attn: Seth Stiles/Mark Becker
 Address: 1225 Pear Ave #110
Mountain View, CA 94043
(650) 691-0131, FAX (650) 691-9837

Additional documents are attached, and are a part of this Record.
 Job Name: Archstone
 Location: Dublin, California


Project # P0804-041-01 Task # 00
 Project Manager Howe Gates
 Laboratory Entech
 Turnaround Time 24-hour
 Sampler's Name Stiles
 Sampler's Signature 

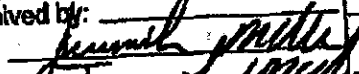
Analysis Request




Sample ID	Date	Time	Matrix	HCID	TPH/gTEX/WTPH-G 8015 (modified) 8020	TPHid/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 802/8020	Volatile Organics 824/8240 (GC/MS)	Halogenated Volatiles 801/8010	Semi-volatile Organics 825/8270 (GC/MS)	Pesticides/PCBs 808/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/Instructions	Number of Containers
B1-7	10/29/98		soil		X											Hold E19385	1
B1-10					X											↓ E19380	
B1-13					X											E19387	
B1-16					X											Hold E19378	
B2-10					X											E19379	
B2-13					X											Hold E19389	
B2-16					X											E19380	
B3-10					X											Hold E19390	
B3-13					X											↓ E19391	
B3-16					X												


Special Instructions/Comments:

Relinquished by:
 Sign 
 Print Seth Stiles
 Company SECOR
 Time 10:30 Date 10/29/98

Received by:
 Sign 
 Print Joseph Miller
 Company Entech
 Time 0:30 Date 10/29/98

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cold:
 Conforms to record: _____

Relinquished by:
 Sign 
 Print Joseph Miller
 Company Entech
 Time 10:53 AM Date 10/29/98

Received by:
 Sign 
 Print Joseph Miller
 Company Entech
 Time 10:53 AM Date 10/29/98

Client: _____
 Client Contact: _____
 Client Phone: _____

SECOR Chain-of Custody Record

Field Office: Attn: Seth Stiles/Mark Becker
 Address: 1225 Pear Ave #110
Mountain View, CA 94041-043

Additional documents are attached, and are a part of this Record.
 Job Name: Archstone
 Location: Dublin, California


Project # F0804-041-01 Task # 00
 Project Manager Howe Gates
 Laboratory Entech
 Turnaround Time 24-hour

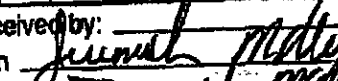
Sampler's Name Stiles
 Sampler's Signature 

Analysis Request

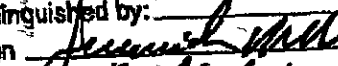
Sample ID	Date	Time	Matrix	HCID	TPH _g /STEX/TPH-G 8015 (modified)	TPH _g /WTPH-D 8015 (modified)	TPH 418, 1/WTPH 418.1	Aromatic Volatiles 802/8020	Volatile Organics 824/8240 (GC/MS)	Halogenated Volatiles 801/8010	Semi-volatile Organics 825/8270 (GC/MS)	Pesticides/PCBs 808/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
B5-7	10/29/98		soil													Hold E1932 E1933 E1934	1
B5-12																	
B5-13						X										E1938	
B5-16						X										E19382	
B6-7																Hold E19395 off Hold	
B6-10						X										E19396 E19397	
B6-17																E19398	
B7-7																	
B7-10																E19383	1
B7-13							X										

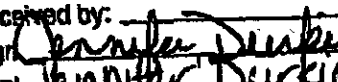
Special Instructions/Comments:

Relinquished by:
 Sign 
 Print Stiles
 Company SECOR
 Time 12:32 Date 10/29/98

Received by:
 Sign 
 Print Jeremiah Miller
 Company Entech
 Time 10:30 Date 10-29-98

Sample Receipt
 Total no. of containers:
 Chain of custody seals:
 Rec'd. in good condition/cold:
 Conforms to record:

Relinquished by:
 Sign 
 Print Jeremiah Miller
 Company Entech
 Time 10:52 Date 10-29-98

Received by:
 Sign 
 Print Jennifer Durkin
 Company Entech
 Time 10:52 Date 10/29/98

Client:
 Client Contact:
 Client Phone:

11/06/98 FRIL17:30 FAX 415 691 9837
 10/30/1998 13:00 408/511554
 SECOR ANTECH REV. 1/98

SECOR Chain-of Custody Record

Field Office: Attn: Seth Stiles/Mark Becker
 Address: 1225 Pear Ave #110
Mountain View, CA 94043
 (650) (415) 691-0131, FAX (650) 691-9837

Additional documents are attached, and are a part of this Record.
 Job Name: Archstone
 Location: Dublin, California

Project # E0804-041-01 Task # 00
 Project Manager Mark Howe Gates
 Laboratory Entech
 Turnaround Time 24-hour

Sampler's Name Stiles
 Sampler's Signature [Signature]

Analysis Request

RUSH

Sample ID	Date	Time	Matrix	HClID	TPH/TEX/TPH-G 8015 (modified/8020)	TPH/TPH-D 8015 (modified)	TPH 418.1/TPH 418.1	Aromatic Volatiles 802/8020	Volatile Organics 824/8240 (GC/MS)	Halogenated Volatiles 501/5010	Semi-volatile Organics 825/8270 (GC/MS)	Pesticides/PCBs 808/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Number of Containers	Comments/ Instructions
B7-16	10/28/98		soil														Hold E19309
B7-19																	E19400
B7-7																	E19401
B8-10																	E19402
B8-13							X										E19387

Special Instructions/Comments:

Relinquished by: [Signature]
 Sign [Signature]
 Print Stiles
 Company SECOR
 Time 10:30 Date 10/29/98

Received by: [Signature]
 Sign [Signature]
 Print [Signature]
 Company Entech
 Time 10:50 Date 10/29/98

Sample Receipt
 Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cold:
 Conforms to record:

Relinquished by: [Signature]
 Sign [Signature]
 Print McChick
 Company Entech
 Time 10:52 Date 10/29/98

Received by: [Signature]
 Sign [Signature]
 Print [Signature]
 Company Entech
 Time 10:52 Date 10/29/98

Client: _____
 Client Contact: _____
 Client Phone: _____

11/06/98 FRI 17:30 FAX 415 691 9837
 10/30/1998 13:00 4087351554
 SECOR ENTECH ANALYTICAL LABS

Entech Analytical Labs, Inc.

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

Water Sample Analysis:

Sample ID	B3			B5			B7						
Sample Date	10/28/98			10/28/98			10/28/98						
Sample Time													
Lab #	E19403			E19404			E19405			DF	DLR	PQL	Method
Results in mg/Liter:	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method		
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:	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method		
Analysis Date	10/29/98			10/29/98			10/29/98						
TPH-Diesel	53,000	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	1.0	50	ND	1.0	50	ND	1.0	50	5.0	8020		
MTBE	ND	1.0	5.0	ND	1.0	5.0	ND	1.0	5.0	0.50	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	ND	1.0	0.50	ND	1.0	0.50	ND	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)


 Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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

Water Sample Analysis:

Sample ID	B5			B6					
Sample Date	10/28/98			10/28/98					
Sample Time									
Lab #	E19406			E19407					PQL Method
Results in mg/Liter:		DF	DLR		DF	DLR			
Analysis Date	10/30/98			10/30/98					0.015 6010
Dissolved Lead	ND ¹	1.0	0.015	ND ¹	1.0	0.015			
Results in µg/Liter:									
Analysis Date	10/29/98								50 8015M
TPH-Diesel	1.400	1.0	50	na					
Analysis Date	10/29/98			10/29/98					50 8015M
TPH-Gas	4.100	1.0	50	ND	1.0	50			5.0 8020
MTBE	ND	1.0	5.0	ND	1.0	5.0			0.50 8020
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	43	1.0	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)


 Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 2224

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 value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	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

SECOR Chain-of Custody Record

Field Office: Attn: Seth Stiles/Mark Becker
 Address: 1225 Pear Ave #110
Mountain View, CA 94043
(650) 691-0131, FAX (650) 691-9837

Additional documents are attached, and are a part of this Record.
 Job Name: Archstone
 Location: Dublin, California

Project # F0804-041-01 Task # 00
 Project Manager Howe Gates
 Laboratory Entech
 Turnaround Time 24-hour

Sampler's Name Stiles
 Sampler's Signature [Signature]

Analysis Request

RUSH

Sample ID	Date	Time	Matrix	HClD	TPH/BTEX/WTPHG/MIBS 8015 (modified)/8020	TPH/WTPH-D 8015 (modified)	TPH 418, 1/WTPH 418.1	Aromatic Volatiles 802/8020	Volatile Organics 824/8240 (GC/MS)	Halogenated Volatiles 801/8010	Semi-volatile Organics 825/8270 (GC/MS)	Pesticides/PCBs 808/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Disinfectant (Lab)	Number of Containers	Comments/ Instructions
B1	10/28		water															
B2					X	X										X		E19403
B3	10/28				X	X										X		E19404
B4					X	X										X		E19407
B5	10/28				X	X										X		E19405
B6					X	X										X		E19406
B7					X	X										X		E194010
B8					X	X										X		

Special Instructions/Comments:
In-lab filter for dissolved lead!

Relinquished by:
 Sign [Signature]
 Print S. Stiles
 Company SECOR
 Time 10:30 Date 10/29/98

Received by: [Signature]
 Sign [Signature]
 Print Seth Stiles
 Company Entech
 Time 10:30 Date 10/29/98

Sample Receipt
 Total no. of containers: _____
 Chain of custody seats: _____
 Rec'd. in good condition/cold: _____
 Conforms to record: _____

Relinquished by:
 Sign [Signature]
 Print McGinn
 Company Entech
 Time 10:50 Date 10/29/98

Received by:
 Sign [Signature]
 Print [Signature]
 Company Entech
 Time 10:50 Date 10/29/98

Client Contact: _____
 Client Phone: _____

11/08/98 FRI 17:32 FAX 415 891 9837
 10/30/1998 13:00 404/351BDBA
 SECOR ENGINEER M... 10/20

Entech Analytical Labs, Inc.

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: 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 ²	1.0	50	7,700 ^x	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	na			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	na			5.0	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

Entech Analytical Labs, Inc.

CA ELAP# 2224

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

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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

SECOR Chain-of Custody Record

Additional documents are attached, and are a part of this Record.

Field Office: Attn: Seth Stiles / Mark Becken
 Address: 1225 Pear Ave #110
Mountain View CA 94043
ph (650) 691-0131, fax (650) 691-9937

Job Name: _____
 Location: _____

Project # FDB03-041-01 Task # 00
 Project Manager Howe Gates
 Laboratory Entech
 Turnaround Time 24 hours

Analysis Request

Sampler's Name Stiles
 Sampler's Signature [Signature]

Sample ID	Date	Time	Matrix	HCID	TPH/STEX/WTPH-G 8015 (modified)/8020	TPH/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 808/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
B6 E19490	10/30/98	12:20	W		X												1
B2 E19491	↓	12:30	↓		X											Lab filter Pb	3
B1 E19492	↓	12:30	↓		X												1.5 #

RUSH

Dis. Lead (1.5)

Special Instructions/Comments:

* 24-hour or whatever is appropriate due to sample drop off date of time.
 # Only one VOA, ~ 125 ml for Pb.

Relinquished by: _____
 Sign [Signature]
 Print Stiles
 Company SECOR
 Time 15:10 Date 10/30/98

Relinquished by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Received by: _____
 Sign [Signature]
 Print V. TRAZO
 Company ENTECH
 Time 15:10 Date 10/30/98

Received by: _____
 Sign _____
 Print _____
 Company _____
 Time _____ Date _____

Sample Receipt

Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd. in good condition/cold: _____
 Conforms to record: _____

Client: _____
 Client Contact: _____
 Client Phone: _____

11/06/98 FRI 17:33 FAX 415 691 9837
 11-92-1998 1:29PM FROM ENTECH ANALYTICAL SECOR 408 / 351594