## Transportation Terminals Company PO Box 882682

San Francisco, CA 94188-2682

Date:

12/8/2010

From:

**Bob Lawlor** 

To;

Haz. Materials Specialist, Alameda Co. Environmental Health

Subject:

15651 Worthley Drive, San Lorenzo CA R02558

### Perjury Statement

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

**Bob Lawlor** 

General Partner

## **Environmental Restoration Services**

Site Investigations \* Fuel Tank Closures and Installations \* Site Remediation \* Regulatory Reporting

Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, Second Floor Alameda, CA 94502

Re:

Groundwater Monitoring Event 15651 Worthley Dr., San Lorenzo February 6, 2009

#### **RECEIVED**

8:17 am, Feb 21, 2012

Alameda County Environmental Health

On January 19, 2009, a single round of groundwater samples were obtained from monitoring wells MW1, MW2 and MW-3. Groundwater samples were collected as follows:

Each well was pumped until the volume of water withdrawn was equal to at least three casing volumes. To assure that a representative groundwater sample was collected periodic measurements of the temperature, pH and specific conductance were made. An individual log sheet was maintained throughout the sampling operations. The sample was collected only when the temperature, pH, and/or specific conductance reached relatively constant value and the well had recharged to a minimum of 80% of its pre-purge volume.

A peristaltic pump was used for evacuating the well casing (purging) of the monitor well. Water samples were collected using the same peristaltic pump. An effort was made to minimize exposure of the sample to air.

Subsequent to collection, the samples were immediately stored on crushed ice in an appropriate ice chest and maintained at a constant 4 degrees Celsius. Samples were transported under Chain-of-Custody procedures to Torrent Laboratory (Torrent) on the day after their collection.

Care was taken to collect all excess water resulting from the sampling and cleaning procedures. The excess water is contained in a pre-labeled 55-gallon drum on-site pending receipt of laboratory analyses.

The following analyses were performed by Torrent on the groundwater samples obtained from each monitor well:

TPH-diesel (Method 8015B), BTEX, MTBE and Fuel Oxygenates (Method 8260B)

PO Box 2006 \* Menlo Park California 94026 \* Phone 408/655-9434 \* Fax 650/325-3238

The results of the groundwater samples indicated no detection of any of the chemical constituents tested, above the lab detection limits, with the exception of wells MW-1 and MW-3, both of which detected MTBE, at a concentration of 0.96 and 2.27 micrograms per liter, respectively.

#### **DETERMINATION OF HORIZONTAL GROUNDWATER GRADIENT**

On January 19, 2009, the water levels in monitor wells MW-2, MW-3 and MW-1 were measured within a one hour period. The water surface elevations in the wells were calculated using the survey data. However, the horizontal hydraulic gradient was not calculated because the unusually shallow groundwater elevation in monitoring well MW-2.

#### CONCLUSIONS

It appears that the soil and groundwater at the monitoring well sample points did not contain contaminates of concern above the lab detective limits, with the exception of groundwater samples "MW-1" and "MW-3" with trace detections of MTBE.

Respectfully submitted this 6th day of February, 2009

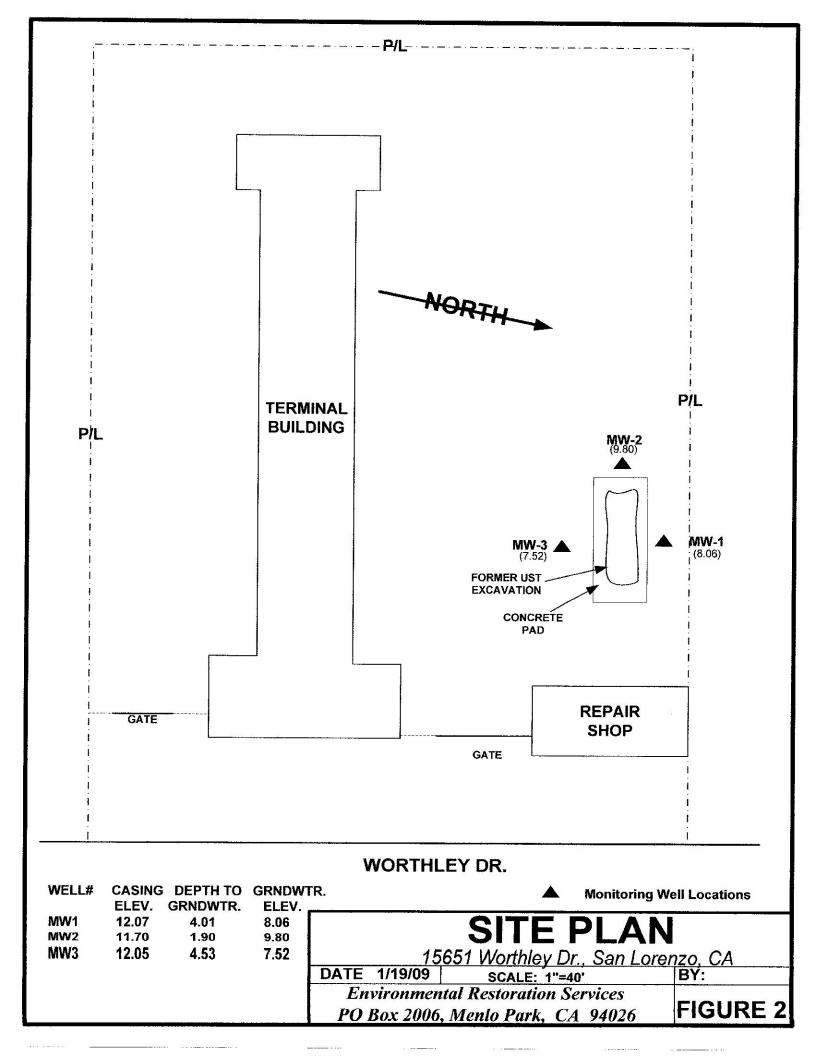
Bennett T. Halsted Project Manager

Samuel H. Halsted P.E.

C.E. 14095

## **FIGURES**

Westington Large Face Station Manor Blvd naron Bay Ion Sup San Letenzo Figurizel Park Fargo Ave Litheling Blvd Leweling Blvd Grant ave San Lorenzo Mercer Turns Fark Robert Grant Ave Bockman Ro FILER Bockman Rd Ketan Por San rancisco Bay San Lorenza ngg tengma 2013 Community Flank Skywest Belf Course Haywa Execu: Aircor 1,42 Russell City (Process) ©2008 Google - Map data ©2008 NAVTEQ™ - " CA BY: SCALE: 1"= 2000" **Environmental Restoration Services FIGURE** 500 Santa Cruz Ave., Menlo Park, CA 94025



## **WELL PURGE LOGS**

WellID: MW-1

PDG (SCT)				RONMENTA I SAMPLII	NG DATA	D DATE: 1-		onmental, Inc.
PROJECT: SITE LOCATION:	. 6161		0-4-11	EY N		1 LORE	- 12	
						- V OVCC	<u>, (u 2-u </u>	
CITY: SAN	LOREN	750		STATE: CA				
				E DEVICE	adalaa muunon	dienas	sable bailer	
<u>circle one</u> \$U	bmersible p			NG DEVIC				
circio one bla	dder pump	peristalti		disposable		screte sam		
casing diameter (i		circle one	0.75		1.5	(2	7 4	6
casing volumes (g	alions)	<u>circle one</u>	0.02	0.05	0.15	0.2	0.7	1.52
	ea ea	MPLER/S:		<u>LDATA</u> SQUE		ter		
WELL NUMB			MW	<u> </u>	ري .			
<del></del>	OTAL WEL		9.63	5				
В	. DEPTH TO	WATER:	4.0					
C. W	ATER HEI	3HT (A-B):	5.6	2				
	CASING D		<u> 7</u>					100
	E. CASING		O.2	•		· · · · · · · · · · · · · · · · · · ·		
F. SINGLE C			1:14	Ō				
G. CASE VOLL			3.4	<del>,                                    </del>				<u> </u>
H: 80% RECI	HARGE LET	/EL (F+B):	(C). [	SE DATA				
START TIME: )	20		ron	GE DATA		22		
	212							
	//.	F	ECHARGE	/SAMPLE	TIME			
DEPTH TO WAT			25011-50	TIME MEA		1518		<del> </del>
GREATER THAN SAMPLE TIME:	152入	L 10 80% I	RECHARGE	DEPTH TO			NO	
SAMPLE APPEA		DOR- C	lead_	MA CO	NO.	4.01	<del></del>	
TOTAL GALLON			Gall	7175	<u> </u>		<del></del>	
TOTAL ONCEON	O T OILOLL		VELL FLUI	DPARAME	TERS			
CASE VOLUME	10	0.5	1.0	1.5	2.0	7.5	3.0	100
pH	7.05	7.04	7 ~ 5	703	-7 5/	7.05	701	
TEMP in °C	17 2	16.9	11 (	7-07	7.00		7.00	
	117.0		(6.6	16.9	17.	17.2	17.3	
COND / SC (uS/cr	0) 213	766	949	228	4-1-20	144	969	
DTW	4.01	5.13	6.41	7.10	7.98	8.43	9_33	
Pump Depth	6FT	8FT		$\overline{}$	9FT			
Pump Rate	700/	and the state of t	7				->	
NOTES:	- Anna							× ×
USE]	N	P 10-	45	1			•	
	i i		P	AGE OF	3			

Well ID: WW - Z

		<u>L</u>	YSERI E	VVIRONME	NTAL, INC		n	r ·	
PROJECT:		W	ELL PURG	ING / SAMP	LING DAT		Dysert	Environi	mental, In
SITE LOCATIO	<b>361-</b>					DATE:	1.14.C	1 m	A GNO
OHE EDUATIO	1545	1 12	C871	ALEY	76.00	nd I			
CITY: SOR	J LORE	17.C				NE		<del></del>	
<u> </u>	o cosc	シャク		STATE:					<del></del>
circla one	submersibl	o eume		RGE DEVIC					
On GIG ONE	2001116(2(0)	e bumb	peristaltic	PLING DEV	bladder pu	mp dis	posable b	ailer	
circle one	bladder pun	np (perist	altic pump	disposab		discrete s	amalas		
casing diamete	r (inches)	circle one				1.5	2	other 4	6
casing volumes	(galions)	circle one	-				(0.2)	0.7	1.52
				ELL DATA					7.52
		SAMPLER/S	3: R-V	ASQUE	· -				
WELL NUM	BER / FIEL	D POINT ID	> Wile				<del>' </del>		
A.	TOTAL W	ELL DEPTH	1: 10	1ペ		····			-
	B. DEPTH	TO WATER					2000000	~	·
C.		IGHT (A-B)		<u> </u>					
		DIAMETER		<u> </u>					<u> </u>
	Name of State of							·	
E CINCLE		G VOLUME							1900
		UME (CXE)		· ]	22,000,00				
G. CASE VOI			: 5-	12_				<del>- +</del>	<del></del>
H: 80% REC	CHARGE LI	EVEL (F+B)		3					
CTART TAR			PÜ	RGE DATA			-		
START TIME:	1130								
FINISH TIME:	1151			90000000					<del></del>
10_41_00400011	$\sim$		RECHARG	E/SAMPL	ETIME	<del></del>		<del></del>	_
DEPTH TO WA	<u> 「ER: しゝ゚゙゙゙゙゙゚</u>	7	12 100000 - 1000	TIME ME	ASURED:	1153			/
GREATER THA	N OR EQU	AL TO 80%	RECHARG	E LEVEL (	H): circle	one (YE	S NO	1	<del></del>
SAMPLE INNE:	77.00	<b>S</b>			WATER:		F	<del></del>	<del></del>
SAMPLE APPE	ARANCE / C	ODOR: (	2619		10 6	SNA	<u> </u>		<del></del>
TOTAL GALLO	VS PURGE	D: 5/	25	SAlla	7:1			<del></del>	
<sub>2</sub> .	1 =	1 2 2 3	VELL FLU	ID PARAME	TERS				
CASE VOLUME	10	0.5	1.0	1.5	70	2.5	12 5	NI.	
	8.17			<del>                                       </del>			3.0	از	
<del>)  </del>	0.17	7.45	7-23	7-18	7.19	7.29	7.2	7	
EMP in °C	16.1	16.4	16.5	16.k	166				
OND / SC (uS/cr	A CONTRACTOR OF THE PROPERTY O		11 - 1-			16.3	164		
US/cr	A =	473	435	253	431	1466	453		iil <del>ataa aa</del> .
W	1-90	1.93	1.94	1.95	1.95			<del></del>	
		-1-1-2	1.)[	1:12	1.10	1.96	11.96		
ump Depth	5FT							7	
ump Rate	800) WIN							3	
OTES:	11.00								
661 <u>5 - 060006</u>	<b>.</b> ₩0								

Weil ID: MW-3

				ROMMEN			Dissert Frying	ronmental, Inc
		WEL	L PURGIN	g/sampl	ING DATA	DATE: 1		MONDAY
PROJECT:	2					DATE:	-14-0 (	MON THE
SITE LOCATION	5651	11/00	THL	EV A	10.			
			-       44	STATE: C		-		
CITY: SAN	LOCE	<u> </u>	0)(0)					
	1			E DEVICE	adder pump	dien	osable bailer	
<u>circle one</u> si	ubmersible	pump C	peristaltic p	ING DEVIC		o olapi	Dadore Done	
circle one bla	adder pump	Denstali		disposable		iscrete sar	npler oth	<b>e</b> ?
casing diameter (		circle one	0.75		1.5	•	2 4	6
casing volumes (		circle one	0.02	0.05		•	2 0.7	1.52
agus suichte deutschen Geber an deutschen deutschen deutschen deutschen der Ausstragen der deutschen der Ausstragen der deutschen der Ausstragen der deutschen der Ausstragen der deutschen der deutsche deutschen der deutschen der deutschen der deutschen der deutsche deutschen der deutschen der deutsche deutschen der deutsche d			(SEC) (C. 1977)	LL DATA	<u>.</u>		• ***	
	S/	AMPLER/S:		Sauce	<b>&gt;</b>			<del></del>
WELL NUMB	ER/FIELD	POINT ID:	MM	- ろ				
A. 7	TOTAL WE	LL DEPTH:	9.7	0			5 - 3.1. 32 - 35 - 3	
E	DEPTH T	O WATER:	4 -	53				
		GHT (A-B):	5.	17				
<del></del>		DIAMETER:	2.	<i>'</i>				
		VOLUME:		7				***
F. SINGLE				13				
				17)				
G. CASE VOL				<del></del>			-	
71: 00% REC	MARGE LE	ACT (LAD):	PITE	GE DATA		<del></del>	yes to the second	
START TIME: 1	120		FOR	OL DRIA				
FINISH TIME: \	11-7		-				<del> </del>	
FARISH TRUE.			FCHARGI	E/SAMPLE	TIME	···		
DEPTH TO WAT	ED. 45	The state of the s	CE OF IVINGS	Will have the statement	2000 0000	1= la		
GREATER THAN	OR FOU	I TO BO%	RECHARG	TIME MEA	NOURED:	1	S NO	
SAMPLE TIME:	1575	L 10 50 /b	TEO OTIVE		WATER:	1) 2-3	30 NO	
SAMPLE APPEA	PANCELO	anne. Y	ellou			7.7	<u> </u>	
TOTAL GALLON				1025	$\circ$	TAXX		
				D PARAME	TERS	<del></del>		<del></del>
01051/01/11		0.5	1-0	1.5		125	122	
CASE VOLUME			1.0	1.0	2.0	2.5	3.0	
pH	6.57	6.60	6.57	6.58	6.57	6.59	6.58	
TEMP in °C	15.8	13.0	16-4	16.4	17.2	172	17.2	
COND / SC (uS/cm		1	3.41	244	3.55	3.16	3.76	
DTW			5.72	6.08	6.41	7.08	5.06	
Pump Depth	7FT			->	8FT	9 FT	7	<del></del>
Dump Dat-	700/ -			250. 3000 20000			600/	
Pump Rate	PMIN					-1	more	an seemony
NOTES:	•						/	

# CHAIN-OF-CUSTODY ANALYTICAL RESULTS



January 27, 2009

Ben Halsted Environmental Restoration Services 15651 Worthley Drive San Lorenzo,CA, CA

TEL: (650) 799-9204

FAX

RE: 0496/15651 Worthley Dr.San Lorenzo CA

Dear Ben Halsted:

Order No.: 0901089

Torrent Laboratory, Inc. received 3 samples on 1/20/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com



## TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

**Date Received:** 1/20/2009

**Lab Sample ID:** 0901089-001

**Date Prepared:** 

**Report prepared for:** Ben Halsted

Environmental Restoration Services **Date Reported:** 1/27/2009

Client Sample ID: MW-1

Sample Location:

15651 Worthley Dr.San Lorenzo

**Sample Matrix:** GROUNDWATER **Date/Time Sampled** 1/19/2009 3:20:00 PM

Dute Time Sumpled 1/19/2009	3.20.00 1 11							
Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	1/23/2009	0.1	1	0.100	ND	mg/L	R18511
Surr: Pentacosane	SW8015B	1/23/2009	0	1	64.2-123	90.0	%REC	R18511
Benzene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Toluene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Ethylbenzene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	1	0.500	0.960	μg/L	R18402
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	1	10.0	ND	μg/L	R18402
Xylenes, Total	SW8260B	1/23/2009	1.5	1	1.50	ND	μg/L	R18402
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	1	61.2-131	93.9	%REC	R18402
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	1	64.1-120	108	%REC	R18402
Surr: Toluene-d8	SW8260B	1/23/2009	0	1	75.1-127	104	%REC	R18402

Report prepared for: Ben Halsted

**Environmental Restoration Services** 

**Date Received:** 1/20/2009

**Date Reported:** 1/27/2009

**Client Sample ID:** MW-2

**Sample Location:** 15651 Worthley Dr.San Lorenzo

**Lab Sample ID:** 0901089-002

**Date Prepared:** 

Sample Matrix:	GROUNDWATER
Date/Time Sampled	1/19/2009 11:55:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	1/23/2009	0.1	1	0.100	ND	mg/L	R18511
Surr: Pentacosane	SW8015B	1/23/2009	0	1	64.2-123	91.0	%REC	R18511
Benzene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Toluene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Ethylbenzene	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	1	10.0	ND	μg/L	R18402
Xylenes, Total	SW8260B	1/23/2009	1.5	1	1.50	ND	μg/L	R18402
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	1	61.2-131	85.2	%REC	R18402
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	1	64.1-120	94.9	%REC	R18402
Surr: Toluene-d8	SW8260B	1/23/2009	0	1	75.1-127	109	%REC	R18402

Report prepared for: Ben Halsted

**Environmental Restoration Services** 

**Date Received:** 1/20/2009

**Date Reported:** 1/27/2009

**Client Sample ID:** MW-3

**Lab Sample ID:** 0901089-003 **Date Prepared:** 

**Sample Location:** Sample Matrix:

**Date/Time Sampled** 

15651 Worthley Dr.San Lorenzo

GROUNDWATER

1/19/2009 3:25:00 PM

Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
SW8015B	1/23/2009	0.1	1	0.100	ND	mg/L	R18511
SW8015B	1/23/2009	0	1	64.2-123	88.0	%REC	R18511
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	2.27	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	0.5	1	0.500	ND	μg/L	R18402
SW8260B	1/23/2009	10	1	10.0	ND	μg/L	R18402
SW8260B	1/23/2009	1.5	1	1.50	ND	μg/L	R18402
SW8260B	1/23/2009	0	1	61.2-131	96.5	%REC	R18402
SW8260B	1/23/2009	0	1	64.1-120	105	%REC	R18402
SW8260B	1/23/2009	0	1	75.1-127	111	%REC	R18402
	SW8015B SW8015B SW8015B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B SW8260B	Method         Analyzed           SW8015B         1/23/2009           SW8015B         1/23/2009           SW8015B         1/23/2009           SW8260B         1/23/2009	Method         Analyzed           SW8015B         1/23/2009         0.1           SW8015B         1/23/2009         0           SW8260B         1/23/2009         0.5           SW8260B         1/23/2009         1.5           SW8260B         1/23/2009         0           SW8260B         1/23/2009         0           SW8260B         1/23/2009         0           SW8260B         1/23/2009         0           SW8260B         1/23/2009         0	Method         Analyzed         Factor           SW8015B         1/23/2009         0.1         1           SW8015B         1/23/2009         0         1           SW8015B         1/23/2009         0.5         1           SW8260B         1/23/2009         0         1           SW8260B         1/23/2009         0         1           SW8260B         1/23/2009         0         1	Method         Analyzed         Factor           SW8015B         1/23/2009         0.1         1         0.100           SW8015B         1/23/2009         0         1         64.2-123           SW8260B         1/23/2009         0.5         1         0.500           SW8260B         1/23/2009         1.5         1         1.50           SW8260B         1/23/2009         1.5         1         1.50           SW8260B         1/23/2009         0         1         61.2-131           SW8260B         1/23/2009         0         1         64.1-120	Method         Analyzed         Factor           SW8015B         1/23/2009         0.1         1         0.100         ND           SW8015B         1/23/2009         0         1         64.2-123         88.0           SW8260B         1/23/2009         0.5         1         0.500         ND           SW8260B         1/23/2009         1.5         1         0.500         ND           SW8260B         1/23/2009         1.5         1         1.50         ND           SW8260B         1/23/2009         0         1         61.2-131         96.5           SW8260B         1/23/2009         0         1	Method         Analyzed         Factor           SW8015B         1/23/2009         0.1         1         0.100         ND         mg/L           SW8015B         1/23/2009         0         1         64.2-123         88.0         %REC           SW8260B         1/23/2009         0.5         1         0.500         ND         μg/L           SW8260B         1/23/2009         1.5         1         0.500         ND         μg/L           SW8260B         1/23/2009         0.5         1         0.500         ND         μg/L

#### **Definitions, legends and Notes**

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
а	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

**Date:** 27-Jan-09

Spike Recovery outside accepted recovery limits

Page 1 of 3

**CLIENT:** Environmental Restoration Services

ND Not Detected at the Reporting Limit

**Work Order:** 0901089

ANALYTICAL QC SUMMARY REPORT

Project: 0496/15651 Worthley Dr.San Lorenzo CA

BatchID: R18402

W ID =====		npType: MBLK		TestCode: <b>8260B_W</b> Units: μg/L			Prep Date	e: <b>1/22/20</b> 0	RunNo: <b>18402</b>				
Client ID: ZZZZZ	Batch ID: I	R18402	TestN	No: <b>SW8260B</b>			Analysis Date	e: <b>1/22/20</b> 0	9	SeqNo: 266	444		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		ND	0.500										
Diisopropyl ether (DIPE)		ND	0.500										
Ethyl tert-butyl ether (ETBE)		ND	0.500										
Ethylbenzene		ND	0.500										
Methyl tert-butyl ether (MTBE)		ND	0.500										
-Butyl alcohol (t-Butanol)		ND	5.00										
ert-Amyl methyl ether (TAME)		ND	0.500										
oluene		ND	0.500										
(ylenes, Total		ND	1.50										
Surr: Dibromofluoromethane		10.77	0	11.36	0	94.8	61.2	131					
Surr: 4-Bromofluorobenzene		11.13	0	11.36	0	98.0	64.1	120					
Surr: Toluene-d8		12.58	0	11.36	0	111	75.1	127					
Sample ID LCS-R18402	SampType: I	LCS	TestCod	de: <b>8260B_W</b>	Units: µg/L		Prep Date	e: <b>1/22/20</b> 0	)9	RunNo: 184	02		
Client ID: ZZZZZ	Batch ID: I	R18402	Test	No: <b>SW8260B</b>			Analysis Date	e: <b>1/22/20</b> 0	)9	SeqNo: <b>266</b>	445		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		18.30	0.500	17.04	0	107	66.9	140					
oluene		17.64	0.500	17.04	0	104	76.6	123					
Surr: Dibromofluoromethane		10.38	0	11.36	0	91.4	61.2	131					
Surr: 4-Bromofluorobenzene		11.47	0	11.36	0	101	64.1	120					
Surr: Toluene-d8		12.65	0	11.36	0	111	75.1	127					
Sample ID LCSD-R18402	SampType: I	LCSD	TestCod	de: <b>8260B_W</b>	Units: µg/L		Prep Date	e: <b>1/22/20</b> 0	)9	RunNo: <b>18</b> 4	02		
Client ID: ZZZZZ	Batch ID: I	R18402	TestN	No: <b>SW8260B</b>			Analysis Date	e: <b>1/22/20</b> 0	)9	SeqNo: <b>266</b>	446		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene		17.83	0.500	17.04	0	105	66.9	140	18.3	2.60	20		
oluene		18.82	0.500	17.04	0	110	76.6	123	17.64	6.47	20		

RPD outside accepted recovery limits

**CLIENT: Environmental Restoration Services** 

**Work Order:** 0901089

**Project:** 

ANALYTICAL QC SUMMARY REPORT

**BatchID: R18402** 0496/15651 Worthley Dr.San Lorenzo CA

Sample ID LCSD-R18402	SampType: LCSD	TestCod	de: <b>8260B_W</b>	Units: µg/L		Prep Da	te: <b>1/22/20</b>	09	RunNo: 184	402	
Client ID: ZZZZZ	Batch ID: R18402	2 TestNo: SW8260B				Analysis Da	te: 1/22/20	09	SeqNo: <b>266446</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	11.85	0	11.36	0	104	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	12.30	0	11.36	0	108	64.1	120	0	0	0	
Surr: Toluene-d8	12.69	0	11.36	0	112	75.1	127	0	0	0	

RPD outside accepted recovery limits

Analyte detected below quantitation limits

**CLIENT: Environmental Restoration Services** 

0496/15651 Worthley Dr.San Lorenzo CA

**Work Order:** 0901089

**Project:** 

ANALYTICAL QC SUMMARY REPORT

BatchID: R18511

Sample ID WDSG090122A-MB	SampType: MBLK	TestCode: TPHDSG_W	Units: mg/L		Prep Date	e: <b>1/22/200</b> 9	9	RunNo: 18	511	
Client ID: ZZZZZ	Batch ID: R18511	TestNo: SW8015B			Analysis Date	e: <b>1/22/200</b> 9	9	SeqNo: 26	6374	
Analyte	Result	PQL SPK value S	PK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.100								
Surr: Pentacosane	0.1090	0 0.1	0	109	64.2	123				
Sample ID WDSG090122A-LCS	SampType: LCS	TestCode: TPHDSG_W	Units: mg/L		Prep Date	e: <b>1/22/200</b> 9	9	RunNo: 18	511	
Client ID: ZZZZZ	Batch ID: R18511	TestNo: SW8015B			Analysis Date	e: <b>1/22/200</b> 9	9	SeqNo: 26	6375	
Analyte	Result	PQL SPK value S	PK Ref Val	%REC	LowLimit	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte TPH (Diesel-SG)	Result 0.7480	PQL SPK value S 0.100 1	PK Ref Val	%REC 74.8	LowLimit 34.5	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
							RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.7480 0.08800	0.100 1	0	74.8	34.5	95.6 123		%RPD		Qual
TPH (Diesel-SG) Surr: Pentacosane	0.7480 0.08800	0.100 1 0 0.1	0	74.8 88.0	34.5 64.2	95.6 123 e: <b>1/22/200</b> 9	9		511	Qual
TPH (Diesel-SG) Surr: Pentacosane  Sample ID WDSG090122A-LCS	0.7480 0.08800 SampType: <b>LCSD</b>	0.100 1 0.1  TestCode: TPHDSG_W TestNo: SW8015B	0	74.8 88.0	34.5 64.2 Prep Date Analysis Date	95.6 123 e: 1/22/2009 e: 1/22/2009	9	RunNo: 18	511	Qual
TPH (Diesel-SG) Surr: Pentacosane  Sample ID WDSG090122A-LCS Client ID: ZZZZZ	0.7480 0.08800 SampType: LCSD Batch ID: R18511	0.100 1 0.1  TestCode: TPHDSG_W TestNo: SW8015B	0 0 Units: mg/L	74.8 88.0	34.5 64.2 Prep Date Analysis Date	95.6 123 e: 1/22/2009 e: 1/22/2009	9	RunNo: 188 SeqNo: 266	511 6376	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 3 of 3

0901089

Attention	Ben Halsted	,		Tele	hon	e						**	1	Billing	ı (if dif	ferent)				
Company Name		tal Restoration	Services	Ema			arkdys	ert@	naol (	rom			<del></del>							
Mailing Address	LITALIONNICH	tai Nestoration	- Oct vices	Mobi			markdysert@aol.com						Attn: Accounts Payable  Dysert Environmental, In							
City, State & Zip		·		P.O.			0496						P.O. Box 5608							
				<del> </del>						1. 1	// /	1 //								
Lab I.D.	\\			Sam	oler/s	s R	ichard \	/asqı	Jez /	uasi	DE		2	San Mateo, CA 94402						
Project Name	Groundwater Sampling			Sampling Project Location			15651 Worthley Drive San Lorenzo, CA							Sampling Code =						
Sample Matrix = Groundwater	l .	06019710220	- YES			9710220														
Turn Around Time = <u>5 DAY</u>		DF Needed - YES DF Needed - YES		TPH-Diesel by 8015 w/silica gel cleanup	Fuel Oxygenates +	λ Dy ο.	χ Dλ ο	EX by &	EX by &			+8 *				-				
Sample ID:	Date:	Time:	No. of Container	S TPH-D	Fuel C								-							
MW-1	1-19-09	1520	2x1L Amber NP 3xVOA w/HCL	X	X															
MW-2	1-19-09	1155	2x1L Amber NP 3xVOA w/HCL	X	X												1			
MW-3	1-19-09	1525 2x1L Amber NP 3xVOA NP		X	X												1			
							,			ļ .					-					
						-											$\downarrow$			
Religifyis peaks		Received by	1 HO( -			Time /6.	20	Date	10 1	9	A -1 -1	4 1			· 40					
Relinquished by TKHO!	and I	Received by	1011	<u></u>			140		Date 19.09			<u>iliOriai</u>	<u>iviaiii</u>	<u>ng ms</u>	truction	<u>5.</u>				
Religiquistied by	To D	Received by	Received by Shadasara Received by			Time	125	Date	Date - 28 -09											
Relinquished by		Received by			Time	( <del></del>	Date	) (X-)	<u> </u>											
Lab Notes: Sample Temperature	Upon Receint	in Lab = 4	· °C				oling No 3 VOA		als h	ave N	NO P	RESE	ERVA	TIVE	•					
Dysert Environme			99-9204					-								Page 1				

Drop-off