

Transportation Terminals Company
PO Box 882682
San Francisco, CA 94188-2682

RECEIVED

8:19 am, Feb 21, 2012

Alameda County
Environmental Health

Date: 2/6/2012
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

November 6, 2011

Re: Groundwater Monitoring Event
15651 Worthley Dr., San Lorenzo

On October 12, 2011, 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Each well was bailed until the volume of water withdrawn was equal to at least three casing volumes.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 bailer was used for evacuating the well casing (purging) of the monitor well. Water samples were collected using a disposable bailer. 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 Accutest Laboratories (Accutest) 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 Accutest on the groundwater samples obtained from each monitor well:

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

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-2, both of which detected TPH/d, at a concentration of 54.6 and 131 micrograms per liter, respectively, and well MW-3 which detected MTBE, at a concentration of 1.9 micrograms per liter

Historical Monitoring Well Analytical Results

Results in micrograms per liter

Date	Sample#	TPH/d	Benzene	Toluene	E-Benzene	Xylenes	MTBE	DTG	GE
9/16/08	MW1	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	2.09	4.96	7.11
1/19/09	MW1	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	0.96	4.01	8.06
10/12/11	MW1	54.6	-----	-----	-----	-----	ND<.5	4.76	7.31

Date	Sample#	TPH/d	Benzene	Toluene	E-Benzene	Xylenes	MTBE	DTG	GE
9/16/08	MW2	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	ND<.5	5.18	6.52
1/19/09	MW2	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	ND<.5	1.90	9.80
10/12/11	MW2	131	-----	-----	-----	-----	ND<.5	1.79	9.91

Date	Sample#	TPH/d	Benzene	Toluene	E-Benzene	Xylenes	MTBE	DTG	GE
9/16/08	MW3	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	ND<.5	3.88	8.17
1/19/09	MW3	ND<100	ND<.5	ND<.5	ND<.5	ND<1.5	ND<.5	4.53	7.52
10/12/11	MW3	ND<50	-----	-----	-----	-----	1.9	4.31	7.74

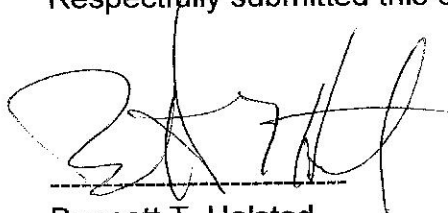
DETERMINATION OF HORIZONTAL GROUNDWATER GRADIENT

On October 12, 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 groundwater at the monitoring well sample points did not contain contaminants of concern above the lab detective limits, with the exception of groundwater samples "MW-1" and "MW-2" with concentrations of 54.6 and 131 micrograms per liter, respectively, and "MW-3" with a trace detection of MTBE.

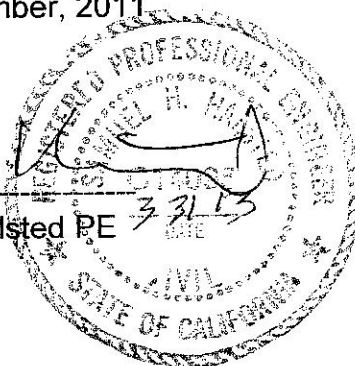
Respectfully submitted this 6th day of November, 2011



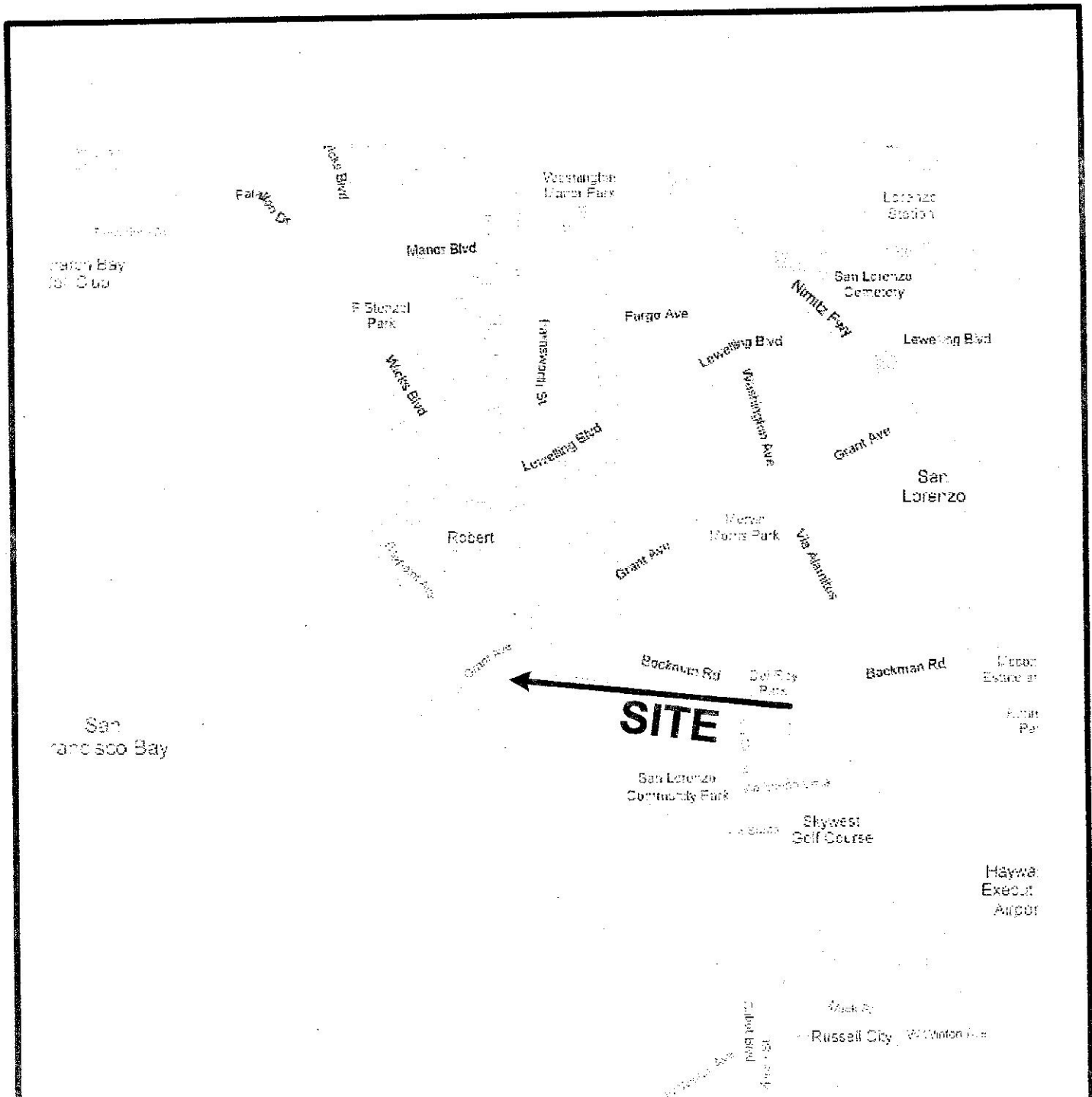
Bennett T. Halsted
Project Manager



Samuel H. Halsted PE
C.E. 14095

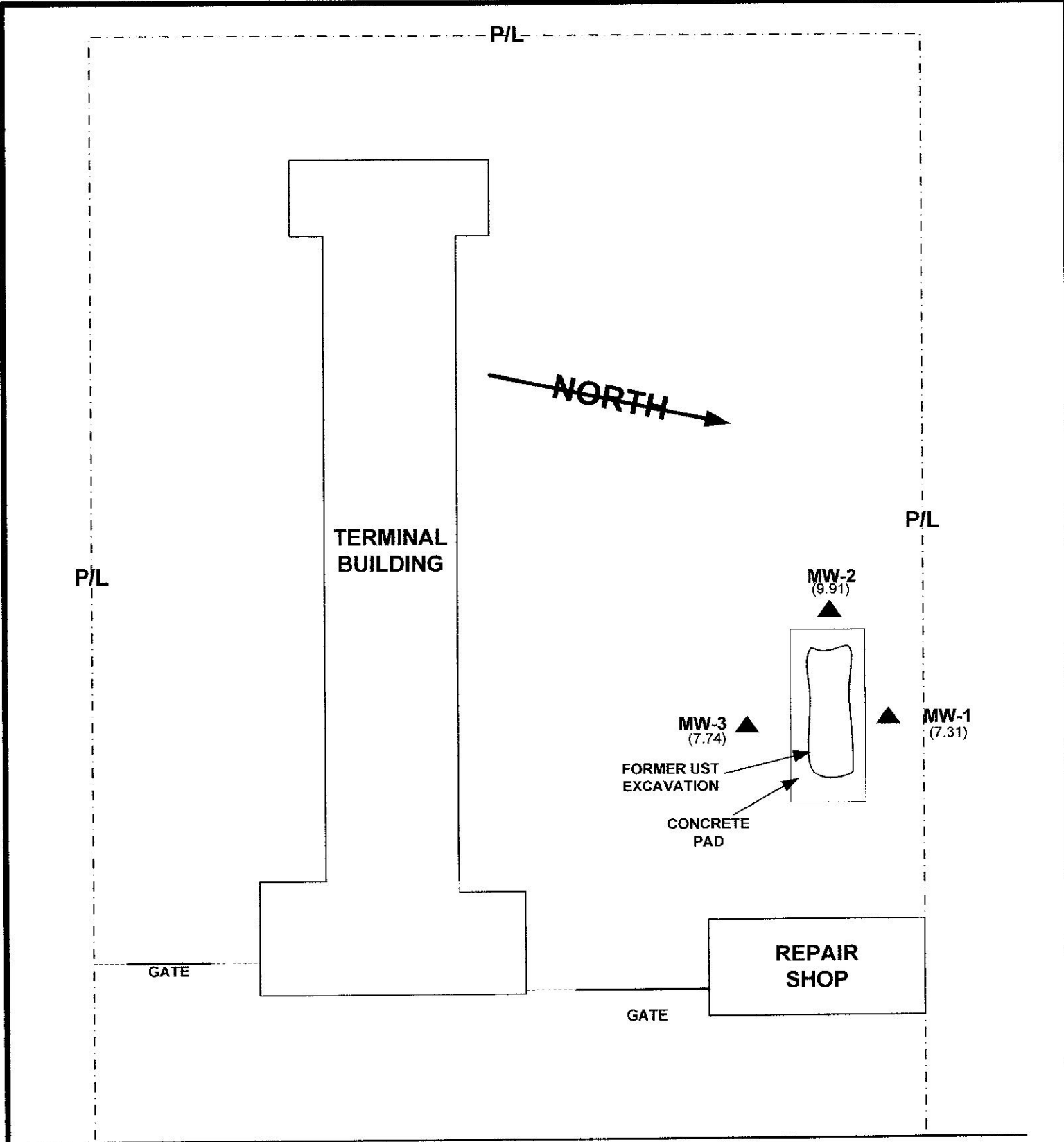


FIGURES



©2008 Google - Map data ©2008 NAVTEQ™

VICINITY MAP		
15651 Worthley Dr., San Lorenzo, CA		
	SCALE: 1" = 2000'	BY:
<i>Environmental Restoration Services</i>		FIGURE 1
500 Santa Cruz Ave., Menlo Park, CA 94025		



WORTHLEY DR.

WELL#	CASING ELEV.	DEPTH TO GRNDWTR.	GRNDWTR. ELEV.
MW1	12.07	4.76	7.31
MW2	11.70	1.79	9.91
MW3	12.05	4.31	7.74

▲ Monitoring Well Locations

SITE PLAN		
<i>15651 Worthley Dr., San Lorenzo, CA</i>		
DATE 10/12/11	SCALE: 1"=40'	BY:
<i>Environmental Restoration Services</i>		FIGURE 2
<i>PO Box 2006, Menlo Park, CA 94026</i>		

WELL PURGE LOGS

**Environmental Restoration Services
WELL PURGE LOG**

WELL ID: MW-1	Site Name: Transportation Terminals					
Site Address: 15651 Worthley Dr., San Lorenzo						
Project No.:			Date: 10/12/11			
Samplers Name: B. Halsted						
Measuring method: Sounder						
Purge Equipment: Bailer						
Water in Well Box? No Inside diameter of well: 2"						
Conversion factors (CF): 2-inch well = 0.16 gallons/ft., 4-inch well = 0.65 gallons/ft., 6-inch well = 1.47 gallons/ft.,						
Depth to water from top of casing: 4.76						
Total Well Depth: 9.6						
Well volume = (Feet - Feet) X 0.16 = Gallons {total well depth} - {depth to water} {CF}						
Water Volume in Well: 4.84 ft / 0.77 gallons						
Well pumped/bailed dry? __ Yes <input checked="checked" type="checkbox"/> No						
Lab Analysis: 8015B 8260B						
Sample Containers: (1) 1 liter amber (2) 40ml VOAs						
Sample Equipment: Disposable Bailer						
FIELD MEASUREMENTS						
Time	Gallons	Temp. (EF)	pH	Conductivity	Other:	Comments
4:37	1	62	7.11	9.67		
4:47	2	64	7.09	9.79		
4:58	3	64	7.06	9.70		
COMMENTS:						

Environmental Restoration Services

WELL PURGE LOG

WELL ID: MW-2		Site Name: Transportation Terminals				
Site Address: 15651 Worthley Dr., San Lorenzo						
Project No.:			Date: 10/12/11			
Samplers Name: B. Halsted						
Measuring method: Sounder						
Purge Equipment: Bailer						
Water in Well Box? No		Inside diameter of well: 2"				
Conversion factors (CF): 2-inch well = 0.16 gallons/ft., 4-inch well = 0.65 gallons/ft., 6-inch well = 1.47 gallons/ft.,						
Depth to water from top of casing: 1.79						
Total Well Depth: 10.4						
Well volume = (Feet - Feet) X 0.16 = Gallons {total well depth} - {depth to water} {CF}						
Water Volume in Well: 8.61 ft / 1.37 gallons						
Well pumped/bailed dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Lab Analysis: 8015B 8260B						
Sample Containers: (1) 1 liter amber (2) 40ml VOAs						
Sample Equipment: Disposable Bailer						
FIELD MEASUREMENTS						
Time	Gallons	Temp. (EF)	pH	Conductivity	Other:	Comments
3:47	1.5	63	7.08	4.37		
4:59	3.0	64	7.03	4.65		
4:14	5.0	61	7.07	4.17		
COMMENTS:						

Environmental Restoration Services

WELL PURGE LOG

WELL ID: MW-3		Site Name: Transportation Terminals				
Site Address: 15651 Worthley Dr., San Lorenzo						
Project No.:			Date: 10/12/11			
Samplers Name: B. Halsted						
Measuring method: Sounder						
Purge Equipment: Bailer						
Water in Well Box? No		Inside diameter of well: 2"				
Conversion factors (CF): 2-inch well = 0.16 gallons/ft., 4-inch well = 0.65 gallons/ft., 6-inch well = 1.47 gallons/ft.,						
Depth to water from top of casing: 4.31						
Total Well Depth: 9.7						
Well volume = (Feet - Feet) X 0.16 = Gallons {total well depth} - {depth to water} {CF}						
Water Volume in Well: 5.4 ft / 0.85 gallons						
Well pumped/bailed dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Lab Analysis: 8015B 8260B						
Sample Containers: (1) 1 liter amber (2) 40ml VOAs						
Sample Equipment: Disposable Bailer						
FIELD MEASUREMENTS						
Time	Gallons	Temp. (EF)	pH	Conductivity	Other:	Comments
3:16	1	66	6.81	3.43		
5:29	2	65	6.67	3.21		
5:44	3	66	6.57	3.16		
COMMENTS:						

CHAIN-OF-CUSTODY ANALYTICAL RESULTS

Technical Report for

Environmental Restoration Services

Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Accutest Job Number: C18436

Sampling Date: 10/12/11

Report to:

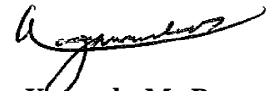
Environmental Restoration Services
500 Santa Cruz Avenue
Menlo Park, CA 94025
envirest@aol.com

ATTN: Ben Halsted

Total number of pages in report: 25



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read "Kesavalu M. Bagawandoss".

Kesavalu M. Bagawandoss,
Ph.D., J.D., Lab Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Environmental Restoration Services

Job No: C18436

Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C18436-1	10/12/11	16:18 BH	10/13/11	AQ	Ground Water	MW-1
C18436-2	10/12/11	17:00 BH	10/13/11	AQ	Ground Water	MW-2
C18436-3	10/12/11	17:45 BH	10/13/11	AQ	Ground Water	MW-3

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-1		Date Sampled: 10/12/11
Lab Sample ID: C18436-1		Date Received: 10/13/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5298.D	1	10/18/11	BD	n/a	n/a	VR185
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	112%		60-130%
460-00-4	4-Bromofluorobenzene	99%		60-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-1		
Lab Sample ID: C18436-1		Date Sampled: 10/12/11
Matrix: AQ - Ground Water		Date Received: 10/13/11
Method: SW846 8015B M SW846 3510C		Percent Solids: n/a
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH17924.D	1	10/15/11	JH	10/14/11	OP4727	GHH584
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0546	0.094	0.047	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	61%		45-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-2		
Lab Sample ID: C18436-2		Date Sampled: 10/12/11
Matrix: AQ - Ground Water		Date Received: 10/13/11
Method: SW846 8260B		Percent Solids: n/a
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5299.D	1	10/18/11	BD	n/a	n/a	VR185
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%
2037-26-5	Toluene-D8	108%		60-130%
460-00-4	4-Bromofluorobenzene	98%		60-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-2		Date Sampled: 10/12/11
Lab Sample ID: C18436-2		Date Received: 10/13/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG29039.D	1	10/17/11	JH	10/14/11	OP4731	GGG775
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.131	0.096	0.048	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
630-01-3	Hexacosane	88%		45-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-3		Date Sampled: 10/12/11
Lab Sample ID: C18436-3		Date Received: 10/13/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R5300.D	1	10/18/11	BD	n/a	n/a	VR185
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.9	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%
2037-26-5	Toluene-D8	112%		60-130%
460-00-4	4-Bromofluorobenzene	100%		60-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-3		
Lab Sample ID: C18436-3		Date Sampled: 10/12/11
Matrix: AQ - Ground Water		Date Received: 10/13/11
Method: SW846 8015B M SW846 3510C		Percent Solids: n/a
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG29040.D	1	10/17/11	JH	10/14/11	OP4731	GGG775
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.096	0.048	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		45-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST
LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #
Accutest Quote #
Bottle Order Control #
Accutest NC Job #: **C18436**

Client / Reporting Information
Environmental Restoration Services

Project Information
Transportation Terminals

Company Name: Environmental Restoration Services
Address: P.O. Box 2006
City: Menlo Park, State: Ca, Zip: 94026
Street: 15651 Worthley Dr.
City: San Lorenzo, State: Ca
Project Contact: Ben Naishek
Project #:
Phone #: 408-655-9434
EMAIL: env_rest@aol.com
Sampler's Name: B. Naishek
Client Purchase Order #

Requested Analysis

Matrix Codes
WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-OI
WP-Wipa
LIQ- Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles																			
							P	U	HPC	NPCH	HRECS	NONE	NPUSCA	MEDH	UNDOE	TPH/diesel	Fuel Oxygenates by BTEX									
1	MW-1	10/21/11	4:18	BN	W	3	2															XX	XX	LAB USE ONLY 2-Vials with IC 1-1 of the water		
2	MW-2		5:00			2																			XX	XX
3	MW-3		5:45			2																				

Turnaround Time (Business days)
 Standard TAT 15 Business Days
 10 Day (Workload dependent)
 5 Day (Workload dependent)
 3 Day (125% markup)
 2 Day (150% markup)
 1 Day (200% markup)
 Same Day (300% markup)

Approved By/ Date: _____

Data Deliverable Information
 Commercial "A" - Results only
 Commercial "B" - Results with QC summaries
 Commercial "B+" - Results, QC, and chromatograms
 FULLT1 - Level 4 data package
 EDF for Geotracker EDD Format
 Provide EDF Global ID _____
 Provide EDF Logcode: _____

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished by: <i>[Signature]</i> Date Time: 10/23/11 5:50 Received By: <i>[Signature]</i> Date Time:	2 Relinquished by: Date Time: Received By: Date Time:
3 Relinquished by: Date Time: Received By: Date Time:	4 Relinquished by: Date Time: Received By: Date Time:
5 Relinquished by: Date Time: Received By: Date Time:	Custody Seal # _____ Appropriate Bottle / Pres. Y/N _____ Headspace Y/N _____ On Ice Y/N _____ Labels match Code? Y/N _____ Separate Receiving Check List used? Y/N _____ <i>2.3.01.1.22.00</i>

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3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR185-MB	R5294.D	1	10/18/11	BD	n/a	n/a	VR185

The QC reported here applies to the following samples:

Method: SW846 8260B

C18436-1, C18436-2, C18436-3

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Result	Limits
1868-53-7	Dibromofluoromethane	96%	60-130%
2037-26-5	Toluene-D8	113%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR185-BS	R5290.D	1	10/18/11	BD	n/a	n/a	VR185
VR185-BSD	R5291.D	1	10/18/11	BD	n/a	n/a	VR185

The QC reported here applies to the following samples: **Method:** SW846 8260B

C18436-1, C18436-2, C18436-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
108-20-3	Di-Isopropyl ether	20	19.1	96	18.2	91	5	60-130/30
637-92-3	Ethyl Tert Butyl Ether	20	18.2	91	17.4	87	4	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	17.5	88	16.7	84	5	60-130/30
994-05-8	Tert-Amyl Methyl Ether	20	17.7	89	16.8	84	5	60-130/30
75-65-0	Tert-Butyl Alcohol	100	94.6	95	91.2	91	4	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	97%	60-130%
2037-26-5	Toluene-D8	109%	111%	60-130%
460-00-4	4-Bromofluorobenzene	101%	101%	60-130%

4.2.1
4

Laboratory Control Sample Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR185-LCS	R5293.D	1	10/18/11	BD	n/a	n/a	VR185

The QC reported here applies to the following samples: Method: SW846 8260B

C18436-1, C18436-2, C18436-3

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	60-130%
2037-26-5	Toluene-D8	112%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

4.3.1
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C18444-1MS	R5312.D	1	10/18/11	BD	n/a	n/a	VR185
C18444-1MSD	R5313.D	1	10/18/11	BD	n/a	n/a	VR185
C18444-1	R5295.D	1	10/18/11	BD	n/a	n/a	VR185

The QC reported here applies to the following samples:

Method: SW846 8260B

C18436-1, C18436-2, C18436-3

CAS No.	Compound	C18444-1 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-20-3	Di-Isopropyl ether	ND	20	18.6	93	18.6	93	0	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND	20	17.8	89	17.9	90	1	60-130/25
1634-04-4	Methyl Tert Butyl Ether	1.2	20	17.7	83	17.8	83	1	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND	20	17.3	87	17.4	87	1	60-130/25
75-65-0	Tert-Butyl Alcohol	ND	100	91.9	92	90.7	91	1	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C18444-1	Limits
1868-53-7	Dibromofluoromethane	96%	96%	99%	60-130%
2037-26-5	Toluene-D8	109%	109%	111%	60-130%
460-00-4	4-Bromofluorobenzene	100%	100%	101%	60-130%

4.4.1
4

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4727-MB	HH17881.D	1	10/14/11	JH	10/14/11	OP4727	GHH584

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	87% 45-140%

Method Blank Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4731-MB	GG29022.D	1	10/17/11	JH	10/14/11	OP4731	GGG775

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-2, C18436-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	93% 45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4727-BS	HH17882.D	1	10/14/11	JH	10/14/11	OP4727	GHH584
OP4727-BSD	HH17883.D	1	10/14/11	JH	10/14/11	OP4727	GHH584

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.949	95	0.929	93	2	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	87%	90%	45-140%

5.2.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4731-BS	GG29023.D	1	10/17/11	JH	10/14/11	OP4731	GGG775
OP4731-BSD	GG29024.D	1	10/17/11	JH	10/14/11	OP4731	GGG775

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-2, C18436-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.940	94	0.921	92	2	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	102%	93%	45-140%

5.2.2
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4727-MS	HH17948.D	1	10/17/11	JH	10/14/11	OP4727	GHH585
OP4727-MSD	HH17949.D	1	10/17/11	JH	10/14/11	OP4727	GHH585
C18424-9	HH17922.D	1	10/15/11	JH	10/14/11	OP4727	GHH584

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-1

CAS No.	Compound	C18424-9 mg/l	Spike Q	mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.0798	J	1.89	1.81	92	1.79	91	1	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C18424-9	Limits
630-01-3	Hexacosane	87%	89%	67%	45-140%

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C18436
Account: ERSCAMP Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4731-MS	HH17957.D	1	10/17/11	JH	10/14/11	OP4731	GHH585
OP4731-MSD	HH17958.D	1	10/17/11	JH	10/14/11	OP4731	GHH585
C18443-1	GG29041.D	1	10/17/11	JH	10/14/11	OP4731	GGG775

The QC reported here applies to the following samples:

Method: SW846 8015B M

C18436-2, C18436-3

CAS No.	Compound	C18443-1 mg/l	Spike Q mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1.55	2	3.05	75	3.17	81	4	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C18443-1	Limits
630-01-3	Hexacosane	75%	83%	97%	45-140%

5.3.2
5