Transportation Terminals Company

4919 Tidewater Ave. Unit B
Oakland, CA 94601

10/9/2008

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

October 9, 2008

Attn: Mr. Paresh Khatri, County LUFT Program Coordinator for
15651 Worthley Dr., San Lorenzo

Re: Soil and Groundwater Investigation

Environmental Restoration Services (ERS) is pleased to submit to following Investigative Repor of for your review.

1.0 INTRODUCTION

On April 30, 2003 , one 12000 gallon underground tank last containing diesel was removed at the subject site (Figure 2) by ERS. Analytical results of a groundwater sample recovered from the excavation showed elevated levels of diesel constituents.

ERS treated the affected groundwater within the open excavation, has de-watered the excavation and sampled the re-charge. ERS has also sampled soil imported from off-site for backfilling purposes, and was granted a permit to discharge the treated groundwater to the sanitary sewer. When permission had been granted to use the imported soil as backfill, ERS de-watered the excavation one additional time, and sampled the re-charge, and backfilled the excavation using existing and imported soil. Under a discharge permit granted by the Oro Loma Sanitary District (OLSD), ERS has discharged all of the affected groundwater to the sanitary sewer.

This Report first reviews the site background, describes the tank removal, sampling protocols and the analytical results and remedial actions, and then describes the additional investigative scope of work, as requested by the Alameda County Health Care Services Agency (ACHCSA)

1.1 Site Location

The site is located in a commercial district of San Lorenzo, California on property at 15651 Worthley Dr. (Figure 1).

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

1.2 Background

On April 30, 2003 , one 12,000 gallon underground tank last containing diesel was removed.

1.3 Site History

1.3.1 Description of Site

The site is occupied by a trucking terminal. About 20% of the site is occupied by the present structures, with the remaining area covered by asphalt and concrete driving surfaces.

2.0 SITE DESCRIPTION

2.1 Site Description

The site is located approximately 200 feet southeast of the corner of Grant Ave.. and Worthley Dr.. An approximate 12,000 square foot office and trucking terminal is located down the center portion of the parcel with an approximate 2000 square foot truck repair building located in north corner of the parcel. The majority of the remaining property is paved.

2.2 Vicinity Map

A vicinity map is given in Figure 1 which includes the location of any known hydraulic influences. San Lorenzo Creek lies approximately 1600 feet northwest of the site and San Francisco Bay lies approximately 2700 feet northwest of the site . A site map is given in Figure 1 which includes information on adjacent streets.

2.3 Depth to Groundwater

Depth to groundwater based groundwater elevation within the existing excavation at the site and from groundwater borings, is approximately three and one half to four feet below ground surface (bgs.)

2.4 Soil Profile

Previous boring logs show predominantly high plasticity clays starting at the ground surface, becoming a silty clay at approximately three feet bgs., becoming a silty fine sand or clay silt.

2.5 Waste Removal

One tank has been removed from the site.

2.6 Previous Investigative and Remedial Work

On April 30, 2003, permission was given by the Health Inspector Robert Weston of the ACHSA to remove the tank from the excavation. The pea-gravel backfill material surrounding the tanks did appear to be stained and emit an odor. The tank was transported to the ECI T.S.D. facility in Richmond.

On April 30, 2003, after removal of the UST, ERS recovered one soil sample ("West SW @4'") from the western excavation sidewall at approximately 4' bgs., and one groundwater sample from the excavation ("Pit GW"). The results of the analysis indicated levels of TPH/d, BTEX and fuel oxygenates below the varying detection limit for both samples, with the exception of TPH/d concentrations in groundwater sample "Pit GW" at 2560 parts per million (ppm).

On May 1, 2003 the groundwater within the excavation was inoculated with Solmar L-100 hydrocarbon consuming microbes. The groundwater within the excavation was aerated using a submersible electric pump.

On June 5, 2003, the excavation was dewatered of approximately 5000 gallons and stored on-site within a 5000 gallon aboveground storage tank (AST) and as groundwater was recharging into the excavation, a grab water sample was recovered. The analytical results of the groundwater recharge sample indicated no BTEX above the detection limit and 0.52 parts per million of TPH/d.

On June 5, 2003, one sample was obtained from the water contained in the tank and tested per Oro Loma Sanitary District (OLSD) waste discharge requirements. The analytical results were below discharge limits and a discharge permit was obtained from the OLSD.

On October 1, 2003 the 5000 gallons of groundwater within the AST and approximately 2000 gallons of groundwater within the excavation, was disposed of to the sanitary sewer. On October 1, 2003, as groundwater was recharging into the excavation prior to backfill, a grab water sample was recovered. The analytical results of the groundwater recharge sample indicated no TPH/d above the analytical detection limit. On October 1, 2003, prior to backfill, ERS also recovered one soil sample ("East-SW @4'") from the eastern excavation sidewall at approximately 4' bgs.. The analytical results of the soil sample indicated no TPH/d or BTEX above the analytical detection limit.

On October 17, 2006, six borings were advanced at the site using a small diameter push rig (Geo-Probe) to a depth of approximately 8 feet. The borings were located around the former tank location, as shown in Figure 2. Groundwater samples were recovered from each boring. Analytical results did not indicate TPH-diesel, BTEX or MTBE concentrations above the detection limits at any of the sampling points.

3.0 INVESTIGATIVE SCOPE OF WORK

The ACHCSA believed that the lab analysis from October 2006 groundwater sample points and the October 2003 recharge sample, did not accurately reflect the quality of the groundwater within and outside of the former tank excavation, and further believed that the October 2006 informal groundwater gradient determination did not accurately reflect the groundwater gradient at the site. Therefore, this investigative work of installing three groundwater monitoring wells, sampling the groundwater at each well location, as well as sampling the groundwater within the former tank pit excavation, was performed. Groundwater samples and gradient data were obtained by personnel of Dysert Environmental of San Mateo, CA..

Monitoring well MW-1 was placed approximately 10 feet north of the former tank excavation, while monitoring wells MW-2 and MW-3 were placed approximately 10 feet to the west and south, respectively, of the former tank location. The well locations are shown in Figure 2.

3.1 Monitoring Well Installation and Groundwater Sampling

Prior to initiating drilling, a subsurface drilling permit was obtained from the Alameda County Public Works Agency (ACPWA). ACHCSA was notified a minimum of 72 hours prior to drilling.

Prior to mobilization of the drill rig on-site, and prior to leaving the site, all associated equipmen and well installation equipment was thoroughly cleaned to removed all soil, oil, grease, mud, tar etc. The cleaning process consisted of high pressure steam cleaning of the drilling equipment anc a high-pressure hot water final rinse. Before drilling the boring, all drilling equipment was steam-cleaned.

On September 5, 2008, Vironex Inc. of Pacheco, CA, installed three monitoring wells at the locations are shown in Figure 2. A nominal 8-inch diameter boring was advanced using a hollow stem auger. Soils were visually logged and samples collected at approximate five foot intervals. In addition, field instrument and visual observations of petroleum hydrocarbons were noted on the boring logs. The two soil samples were collected from each of the three borings, one from the capillary fringe (approximately 4.5 feet) and from the bottom (approximately 10 feet).

3.1.1 Soil Sampling Procedures

Each sample was recovered in a 2 inch diameter by 6 inch long stainless steel sample container, within an 18 inch split spoon sampler. Upon opening the split spoon sampler, the desired sample container was removed and sealed with Teflon sheet and plastic caps. The soil samples were immediately stored on ice. The samples were transported to Accutest Laboratories (Accutest) of Santa Clara, under chain-of-custody procedures.

3.1.2 Laboratory Analyses

The following analyses were performed on the samples obtained from the monitoring well borings;

TPH-diesel (TPH C10-C28) (EPA Method 8015B); with silica gel cleanup
BTEX and Fuel Oxygenates (EPA Method 8260B)

Analytical results of soil samples recovered from the monitoring well borings were as follows:

TPH/d (TPH C10-C28) Results in Parts Per Million (ppm)
TPH/g (TPH C6-C10) BTEX MTBE Results in Parts Per Billion (ppb)

Sample#	TPH C10-28	TPH C6-10	Benzene	Toluene	E-benzene	Xylenes	Fuel Oxy.
MW1 @4.5'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb
MW1 @10'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb
MW2 @4.5'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb
MW2 @10'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb
MW3 @4.5'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb
MW3 @10'	<5ppm	<25ppb	<1ppb	<1ppb	<1ppb	<2ppb	<10ppb

3.1.3 Monitoring Well Installation

Based on the anticipated highest level groundwater depth of approximately 3.5 feet at the site, the borings were terminated, and the monitor wells constructed, to a depth of approximately 10 feet below ground surface (bgs.). The well casing and screens for the monitor wells were constructed with 2-inch diameter, Schedule 40, flush-joint threaded PVC material. The screens consisted of factory-milled 0.020 inch slots. The screens were installed at the interval from approximately 3.5 to 10 feet below ground surface. A sand pack of clean washed Monterey 2/12 sand was placed adjacent to the entire screened interval and was extended a recommended minimum distance of six inches above the top of the screen. The sand pack was placed by carefully pouring sand down the annulus between the hollow stem and the well casing. The auger was raised periodically and an auger flight removed to allow the sand to fill the annulus between the casing and the borehole wall. Approximately every two feet of sand placement, the well casing was surged using a vented surge block to minimize void spaces in the boring annulus.

A one foot thick bentonite chip seal was placed after the last auger flight was withdrawn from the borehole. The bentonite was hydrated with water at the quantity of 1 gallon per pound of bentonite. The bentonite was hydrated three times and allowed to swell for a minimum of 45 minutes. The annulus above the bentonite seal was grouted with a cement grout. The grout consisted of clean water mixed with Portland cement. The grout was placed after the last auger flight was withdrawn from the borehole. Well completion consisted of a locking PVC cap and subsurface traffic-rated utility box set slightly above grade in concrete.

3.2 Monitor Well Development and Sampling

3.2.1 **Monitor Well Development**

On September 7, 2008, the new wells were developed by surging and bailing with clean equipment in order to prepare the well for collection of a representative groundwater sample. Groundwater was pumped from the wells until the water was relatively clear. Water generated during development was stored separately, on-site, in labeled 55gallon drums pending analytical results.

3.2.2 **Sampling Procedure**

On September 16 and 17, 2008, groundwater samples were obtained from monitoring wells MW1 through MW3. Each new monitor well was sampled after the water level had re-equilibrated from development. Groundwater samples were collected as follows:

All groundwater well samples and depth to water measurements were obtained from employees of Dysert Environmental. 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. The sample was collected only when the temperature, pH, and specific conductance reached relatively constant value and the well had recharged to a minimum of 80% of its per purge volume.

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

Sample containers were obtained directly from the analytical laboratory. To ensure that the analytical laboratory has a sufficient volume of sample for analyses a duplicate sample was collected. Sample containers were labeled with self-adhesive tags.

Subsequent to collection, the samples were immediately stored on ice in an appropriate ice chest. Samples were transported under Chain-of-Custody procedures to Torrent Laboratory Inc. (Torrent) of Milpitas, CA... Individual log sheets were maintained throughout the sampling operations and are contained in the appendix of this report.

Sample bottles, bottle caps, and septa were protected from solvent contact or other contamination. Sampling equipment was cleaned or replaced after its use at each sampling location. Thermometers, pH electrodes, and conductivity probes were also cleaned after sampling of each well.

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

3.2.3 **Laboratory Analyses**

The following analyses were performed by Torrent on groundwater samples obtained from monitoring wells MW-1, MW-2 and MW-3:

TPH-diesel (EPA Method 8015M)
BTEX,MBTE, Fuel Oxygenates (EPA Method 8260B)

The analytical results were as follows;

Results in Parts Per Billion (PPB)

Sample#	TPH/d	Benzene	Toluene	E-Benzene	Xylenes	MTBE	DIPE	ETBE	TAME	t-Butanol
MW1	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1.5	2.09	ND<0.5	ND<0.5	ND<0.5	ND<10
MW2	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10
MW3	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10

3.3 TANK PIT GROUNDWATER GRAB SAMPLE

On September 16, 2008, a 4 inch diameter core was drilled through the center of the former tank pit. A Campbell Model #S24-60 1.25 inch diameter by 2 foot long well point, coupled to a 5 foot length of stainless steel 1.25 inch well screen, was then manually driven to an approximate depth of 5.5 feet bgs.. The Campbell well point cut sheet is presented in the Appendix of this report.

A groundwater grab sample was then obtained by Dysert Environmental using a ½ inch diameter disposable bailer. An effort was made to minimize exposure of the sample to air. Sample containers were obtained directly from the analytical laboratory. Subsequent to collection, the sample was immediately stored on ice in an appropriate ice chest. Samples were transported under Chain-of-Custody procedures to Torrent Laboratory, Inc. of Milpitas, CA...

The following analyses were performed by Torrent on groundwater sample obtained from the tank pit well point:

Total Extractable Petroleum Hydrocarbons (TEPH) (EPA Method CATFH)
LUFT 5 Metals (EPA Method 6010B)
TPH/d(EPA Method 8015B), BTEX, MTBE, Fuel Oxygenates (EPA Method 8260B)

The analytical results were as follows;

Results in Parts Per Billion (PPB)

Sample#	TPH/d	Benzene	Toluene	E-Benzene	Xylenes	MTBE	DIPE	ETBE	TAME	t-Butanol
TankPit	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<10

Sample#	Cadmium	Chromium	Lead	Nickel	Zinc
TankPit	ND<0.5	7	42	25	11,000

3.3 Groundwater Gradient Determination

In order to obtain an accurate estimation for groundwater gradient, the top of each well casing was surveyed to an accuracy of 0.01 feet by CSS Environmental Services Inc. (CSS) of Novato Ca., using the Horizontal Coordinate System "North American 1983-CONUS" and Height System "North American Vertical Datum 1988-Ortho.Ht. (GEOID03). The CSS Survey sheet is presented in the Appendix of this report.

Water levels in each of the monitor wells were measured by Dysert on September 16, 2008, prior to sampling activities and within a fifteen minute period. The water surface elevations in the wells were calculated using the survey data. Then, the horizontal hydraulic gradient was calculated based on accurately determined well locations. The gradient calculated indicated a northwestern flow direction at an average gradient of 4.125%. Gradient information is contained in Figure 2.

4.0 CONCLUSIONS and RECOMMENDATION

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 sample "MW1" with a trace detection of MTBE.

It further appears that the groundwater at the tank pit sample point did not contain hydrocarbon contaminates above the lab detective limits, but did contain elevated levels of lead, nickel and zinc.

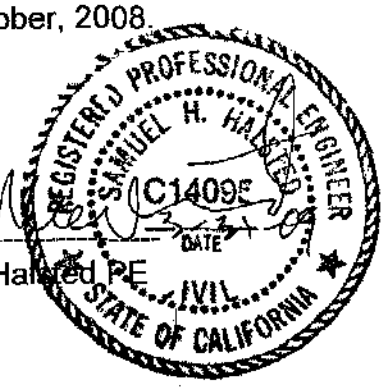
ERS believes these elevated metals are due to the well point used to drive to groundwater. Although advertised to be stainless steel, upon further research after sampling, the well point body was found to be electro-galvanized steel, with a stainless steel screen.

ERS recommends that the groundwater within the former tank pit be re-sampled at the next quarterly event, using an all stainless steel materials, and tested for LUFT 5 metals.

Respectfully submitted this 9th day of October, 2008.

Bennett T. Halsted
Project Manager

Samuel H. Halsted P.E.
C.E. 14095

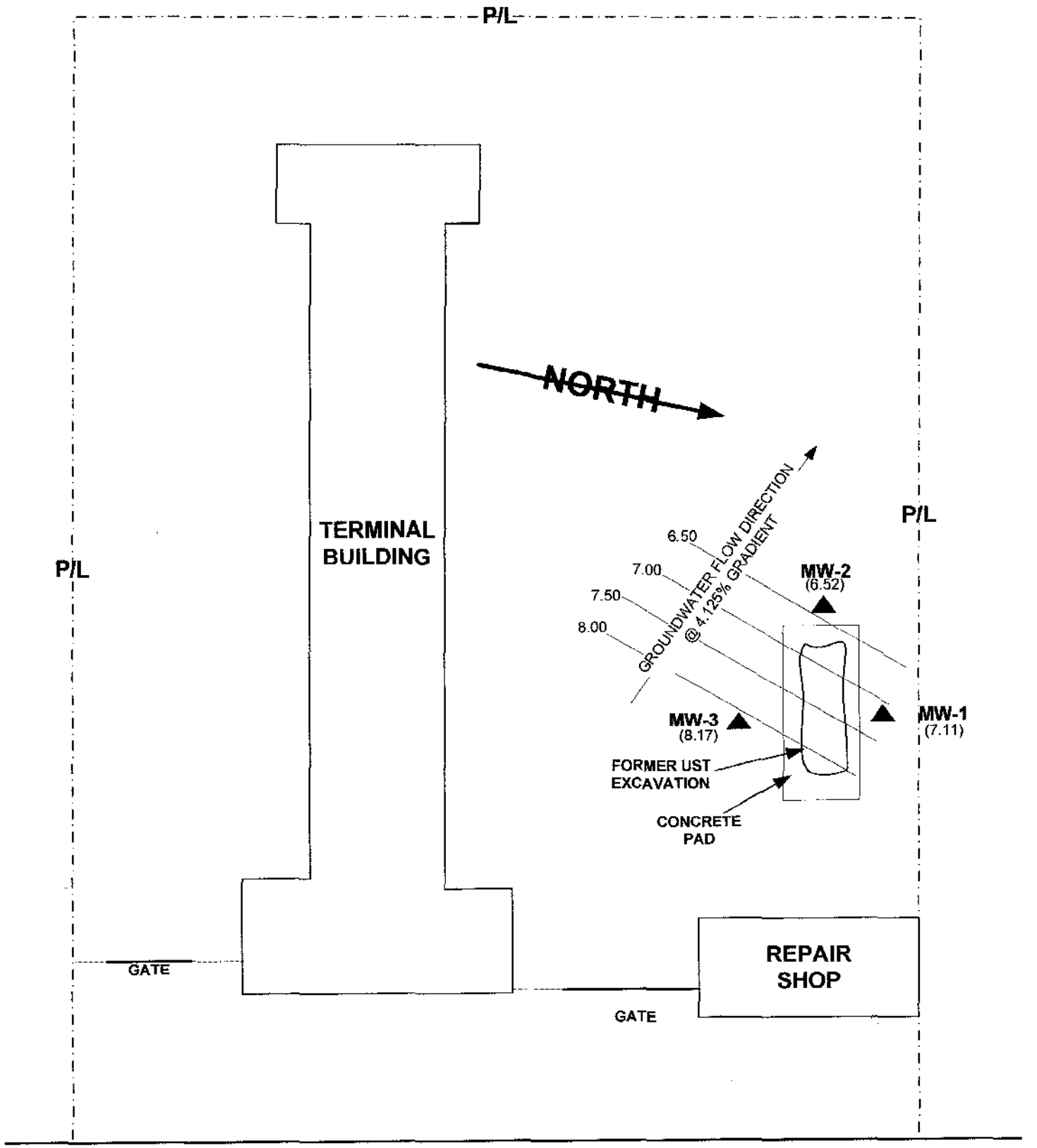


FIGURES

VICINITY MAP

15651 Worthley Dr., San Lorenzo, CA

SCALE: 1"= 0.5 miles	BY:
Environmental Restoration Services	**FIGURE 1**
PO Box 2006, Menlo Park, CA 94026	



WELL#	CASING ELEV.	DEPTH TO GRNDWTR.	GRNDWTR. ELEV.
MW1	12.07	4.96	7.11
MW2	11.70	5.18	6.52
MW3	12.05	3.88	8.17

▲ Monitoring Well Locations

SITE PLAN

15651 Worthley Dr., San Lorenzo, CA

DATE 10/17/08 | SCALE: 1"=40' | BY:

Environmental Restoration Services

500 Santa Cruz Ave., Menlo Park, CA 94025

FIGURE 2

BORING LOGS

Environmental Restoration Services — Boring Log

Location: 15651 Worthley Dr. , San Lorenzo **Date:** 9/7/08 **Boring No.:** MW-1

Drill Method: 8" Hollow Stem **Logged By:** BTH **Page** 1 **of** 1

Sample No.	Blow Count	Sample Type	Depth	USGS	Lithology Description
					Asphalt/Baserock
				CH	CLAY, dark grey (10YR 4/1), v. stiff, high plasticity, moist. no odor.
MW1@4.5'		Soil	5'	CL	silty CLAY, brown (7.5Y 5/4), med. stiff, high/med. plasticity, moist. no odor.
				SM	Silty SAND. Fine. 30% silt, 10% clay, med. dense, v. moist. Light yellowish brown (10YR6/4). No odor.
				ML	Low plasticity clayey SILT. 30% clay 15% fine sand. soft, v. moist. brownish yellow(10YR6/6). No odor.
				CH	High Plasticity CLAY v dark grey (5Y3/1), soft, wet, no odor
MW1@10'		Soil	10'		**BOH**
			15'		
			20'		
			25'		
			30'		

Bolted Traffic Cover — **Well/Boring Completion Detail**

- Locking Cap
- Portland Cement
- 2" Schd. 40 PVC Blank
- Bentonite Chip
- 2" Schd. 40 PVC 0.02 screen
- Cemex 2/12 sand

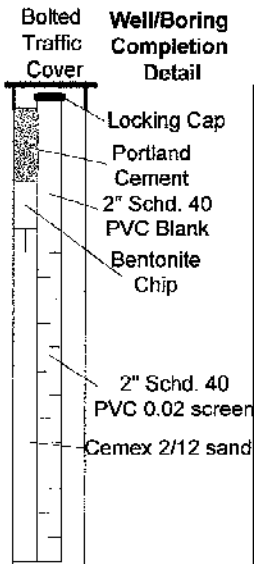
Environmental Restoration Services — Boring Log

Location: 15651 Worthley Dr. , San Lorenzo **Date:** 9/7/08 **Boring No.:** MW-2

Drill Method: 8" Hollow Stem **Logged By:** BTH **Page** 1 **of** 1

Sample No.	Blow Count	Sample Type	Location	Depth	USCS	Lithology Description
						Asphalt/Baserock
					CH	CLAY, dark grey (10YR 4/1), v. stiff, high plasticity, moist. no odor.
MW2@4.5'		Soil		5'	CL	silty CLAY, brown (7.5Y 5/4), med. stiff, high/med. plasticity, moist. no odor.
					SM	Silty SAND. Fine. 30% silt, 10% clay, med. dense, v. moist. Light yellowish brown (10YR6/4). No odor.
					ML	Low plasticity clayey SILT. 30% clay 15% fine sand. soft, v. moist. brownish yellow(10YR6/6). No odor.
					CH	High Plasticity CLAY v dark grey (5Y3/1), soft, wet, no odor
MW2@10'		Soil		10'		**BOH**
				15'		
				20'		
				25'		
				30'		

Well/Boring Completion Detail

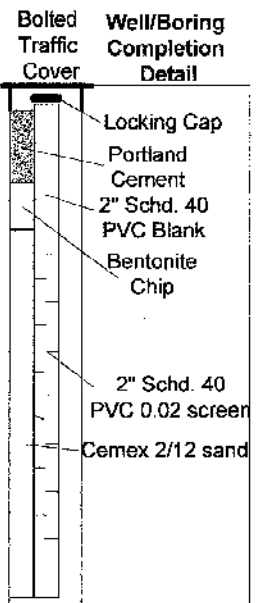


Environmental Restoration Services — Boring Log

Location: 15651 Worthley Dr. , San Lorenzo **Date:** 9/7/08 **Boring No.:** MW-3

Drill Method: 8" Hollow Stem **Logged By:** BTH **Page** 1 **of** 1

Sample No.	Blow Count	Sample Type	Depth	USCS	Lithology Description
					Asphalt/Baserock
				CH	CLAY, dark grey (10YR 4/1), v. stiff, high plasticity, moist. no odor.
				CL	silty CLAY, brown (7.5Y 5/4), med. stiff, high/med. plasticity, moist. no odor.
MW3@4.5'		Soil	5'		
				ML	Low plasticity clayey SILT. 30% clay 15% fine sand. soft, v. moist. brownish yellow(10YR6/6). No odor.
MW3@10'		Soil	10'	CH	High Plasticity CLAY v dark grey (5Y3/1), soft, wet, no odor
					BOH
			15'		
			20'		
			25'		
			30'		



WELL PURGE LOGS

Well ID: MW-1

DYSERT ENVIRONMENTAL, INC.
WELL PURGING / SAMPLING DATA

Dysert Environmental, Inc.

PROJECT:
SITE LOCATION: 15651 Worthley Drive

DATE: 9-16-08

CITY: San Lorenzo **STATE: CA**

PURGE DEVICE

circle one submersible pump peristaltic pump bladder pump disposable bailer

SAMPLING DEVICE

circle one	bladder pump	peristaltic pump	disposable bailer	discrete sampler	other	
casing diameter (inches)	*circle one*	0.75	1	1.5	2	4	6
casing volumes (gallons)	*circle one*	0.02	0.05	0.15	0.2	0.7	1.52

WELL DATA

SAMPLER/S: R. VASQUEZ
WELL NUMBER / FIELD POINT ID: MW-1
A. TOTAL WELL DEPTH: 9.72
B. DEPTH TO WATER: 4.96
C. WATER HEIGHT (A-B): 4.76
D. WELL CASING DIAMETER: 2
E. CASING VOLUME: 0.2
F. SINGLE CASE VOLUME (CxE): 0.95
G. CASE VOLUME (s) (CxEx 3): 2.85
H: 80% RECHARGE LEVEL (F+B): 5.91

PURGE DATA

START TIME: 1405
FINISH TIME: 1525

RECHARGE / SAMPLE TIME

DEPTH TO WATER: 6.74 9-17-08 **TIME MEASURED:** 0928
GREATER THAN OR EQUAL TO 80% RECHARGE LEVEL (H): *circle one* YES NO
SAMPLE TIME: 0930 **DEPTH TO WATER:** 6.74
SAMPLE APPEARANCE / ODOR:
TOTAL GALLONS PURGED: 5 GALLONS

WELL FLUID PARAMETERS

CASE VOLUME	1.5	2.0	2.5	3.0	4.0			
pH	7.29	7.26	7.25	7.29	7.28			
TEMP in °C	24.0	24.0	24.0	24.0	24.0			
COND / SC	3.12	2.94	3.05	3.01	2.99			
DTW	8.94	9.71	9.71	9.71	9.71			
Pump Depth	9.5FT	—	—	—	—			
Pump Rate	3500 gpm/min	—	—	—	—			

NOTES: MW-1 WAS NOT SURGED NO ACCESS TRUCK PARKED OVER WELL

Well ID: MW-2

DYSERT ENVIRONMENTAL, INC.
WELL PURGING / SAMPLING DATA

Dysert Environmental, Inc.

PROJECT: DATE: 9-16-08

CITY: San Lorenzo STATE: CA

PURGE DEVICE

circle one submersible pump peristaltic pump bladder pump disposable bailer

SAMPLING DEVICE

circle one bladder pump peristaltic pump disposable bailer discrete sampler other

casing diameter (inches)	circle one	0.75	1	1.5	2	4	6
casing volumes (gallons)	circle one	0.02	0.05	0.15	0.2	0.7	1.52

WELL DATA

SAMPLER/S: R. VASQUEZ

WELL NUMBER / FIELD POINT ID: MW-2

A. TOTAL WELL DEPTH: 9.70

B. DEPTH TO WATER: 5.18

C. WATER HEIGHT (A-B): 4.52

D. WELL CASING DIAMETER: 2

E. CASING VOLUME: 0.2

F. SINGLE CASE VOLUME (CxE): 0.90

G. CASE VOLUME (s) (CxEx 3): 2.70

H: 80% RECHARGE LEVEL (F+B): 6.08

PURGE DATA

START TIME: 1315

FINISH TIME: 1321

RECHARGE / SAMPLE TIME

DEPTH TO WATER: 7.31 TIME MEASURED: 1520

GREATER THAN OR EQUAL TO 80% RECHARGE LEVEL (H): circle one YES NO

SAMPLE TIME: 1521 DEPTH TO WATER:

SAMPLE APPEARANCE / ODOR: BROWN / NO ODOR

TOTAL GALLONS PURGED: 5 GALLONS

WELL FLUID PARAMETERS

CASE VOLUME	1.0	2.0	3.0					
pH	7.20	7.36	7.57					
TEMP in °C	26.5	26.6	24.3					
COND / SC	4.97	5.00	3.27					
DTW	8.89	9.56	9.49					
Pump Depth	9FT	→	→					
Pump Rate	3500 / MIN	→	→					

NOTES: SURGED MW-2 FOR 20 MIN. PURGED 3 CASE VOLUMES

Well ID: MW-3

DYSERT ENVIRONMENTAL, INC.
WELL PURGING / SAMPLING DATA

Dysert Environmental, Inc.

PROJECT:
DATE: 9-16-08
SITE LOCATION: 15651 Worthley Drive

CITY: San Lorenzo STATE: CA

PURGE DEVICE

circle one submersible pump peristaltic pump bladder pump disposable bailer

SAMPLING DEVICE

circle one bladder pump peristaltic pump disposable bailer discrete sampler other

casing diameter (inches)	circle one	0.75	1	1.5	2	4	6
casing volumes (gallons)	circle one	0.02	0.05	0.15	0.2	0.7	1.52

WELL DATA

SAMPLER/S: R. VASQUEZ
WELL NUMBER / FIELD POINT ID: MW-3
A. TOTAL WELL DEPTH: 10.49
B. DEPTH TO WATER: 3.88
C. WATER HEIGHT (A-B): 6.61
D. WELL CASING DIAMETER: 2
E. CASING VOLUME: 0.2
F. SINGLE CASE VOLUME (CxE): 1.32
G. CASE VOLUME (s) (CxEx 3): 3.96
H: 80% RECHARGE LEVEL (F+B): 5.20

PURGE DATA

START TIME: 1340
FINISH TIME: 1347

RECHARGE / SAMPLE TIME

DEPTH TO WATER: 3.98 TIME MEASURED: 1349
GREATER THAN OR EQUAL TO 80% RECHARGE LEVEL (H): circle one (YES) NO
SAMPLE TIME: 1350 DEPTH TO WATER: 3.98
SAMPLE APPEARANCE / ODOR: CLEAR / NO ODOR
TOTAL GALLONS PURGED: 6 1/2 GALLONS

WELL FLUID PARAMETERS

CASE VOLUME	1.0	1.5	2.0	3.0				
pH	7.66	7.46	7.56	7.36				
TEMP in °C	27.3	27.4	27.4	27.6				
COND / SC	FX 852	652	623	605				
DTW	3.93	3.94	3.98	4.03				
Pump Depth	9FT	→	→	→				
Pump Rate	350cc/min	→	→	→				

NOTES: SURGED MW-3 - FOR 20 MIN. PURGED 3 CASE VOLUME

CHAIN-OF-CUSTODY
ANALYTICAL RESULTS
Soil Samples

Northern California
ACCUTEST Laboratories

09/16/08

Technical Report for

Environmental Restoration Services

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

Accutest Job Number: C2275

Sampling Date: 09/05/08

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: 36

ACCREDITED IN ACCORDANCE WITH nelac

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.

Laurie Glantz-Murphy
Laboratory Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA)

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Sections: 1 2 3 4 5

Table of Contents

Sample Summary

Environmental Restoration Services

Job No: C2275

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
C2275-1	09/05/08	06:54	BH	09/09/08	SO	Soil	MW1@4.5
C2275-2	09/05/08	07:21	BH	09/09/08	SO	Soil	MW1@10
C2275-3	09/05/08	08:50	BH	09/09/08	SO	Soil	MW2@4.5
C2275-4	09/05/08	09:18	BH	09/09/08	SO	Soil	MW2@10
C2275-5	09/05/08	11:45	BH	09/09/08	SO	Soil	MW3@4.5
C2275-6	09/05/08	12:10	BH	09/09/08	SO	Soil	MW3@10

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1@4.5		
Lab Sample ID:	C2275-1	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2264.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.08 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.098	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		60-157%

(a) All results reported on wet weight basis.

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:	MW1@4.5		
Lab Sample ID:	C2275-1	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8021B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2264.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.08 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.98	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
1330-20-7	Xylenes (total)	ND	9.8	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		60-157%

(a) All results reported on wet weight basis.

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:	MW1@4.5		
Lab Sample ID:	C2275-1	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1187.D	1	09/10/08	JH	09/10/08	OP347	GGG53
Run #2							

	Initial Weight	Final Volume
Run #1	10.2 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.8	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	81%		45-140%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1@10		
Lab Sample ID:	C2275-2	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2265.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.07 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.099	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1@10		
Lab Sample ID:	C2275-2	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8021B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2265.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.07 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.99	ug/kg	
108-88-3	Toluene	ND	4.9	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.99	ug/kg	
1330-20-7	Xylenes (total)	ND	9.9	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW1@10		
Lab Sample ID:	C2275-2	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1188.D	1	09/10/08	JH	09/10/08	OP347	GGG53
Run #2							

	Initial Weight	Final Volume
Run #1	10.3 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [b]	ND	9.7	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	68%		45-140%

(a) All results reported on wet weight basis.
(b) In addition, the sample contains 30 mg/Kg Motor Oil .

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@4.5		
Lab Sample ID:	C2275-3	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2269.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.14 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.097	0.024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@4.5		
Lab Sample ID:	C2275-3	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8021B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2269.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.14 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.97	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
1330-20-7	Xylenes (total)	ND	9.7	1.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	24	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@4.5		
Lab Sample ID:	C2275-3	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1189.D	1	09/10/08	JH	09/10/08	OP347	GGG53
Run #2							

	Initial Weight	Final Volume
Run #1	10.1 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.9	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	75%		45-140%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@10		
Lab Sample ID:	C2275-4	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2270.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.10 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.098	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@10		
Lab Sample ID:	C2275-4	Date Sampled:	09/05/08
Matrix:	SO - Soil	Date Received:	09/09/08
Method:	SW846 8021B	Percent Solids:	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2270.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.10 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.9	0.98	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
1330-20-7	Xylenes (total)	ND	9.8	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW2@10		
Lab Sample ID:	C2275-4	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1190.D	1	09/10/08	JH	09/10/08	OP347	GGG53
Run #2							

	Initial Weight	Final Volume
Run #1	10.4 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.6	4.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	70%		45-140%

(a) All results reported on wet weight basis.

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:	MW3@4.5		
Lab Sample ID:	C2275-5	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2271.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.02 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		60-157%

(a) All results reported on wet weight basis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW3@4.5		
Lab Sample ID:	C2275-5	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8021B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2271.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.02 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
1330-20-7	Xylenes (total)	ND	10	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		60-157%

(a) All results reported on wet weight basis.

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:	MW3@4.5		
Lab Sample ID:	C2275-5	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1192.D	1	09/10/08	JH	09/10/08	OP347	GGG53
Run #2							

	Initial Weight	Final Volume
Run #1	10.3 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.7	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	81%		45-140%

(a) All results reported on wet weight basis.

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:	MW3@10		
Lab Sample ID:	C2275-6	**Date Sampled:**	09/05/08
Matrix:	SO Soil	**Date Received:**	09/09/08
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK2272.D	1	09/12/08	JA	n/a	n/a	GJK83
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		60-157%

(a) All results reported on wet weight basis.

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:	MW3@10		
Lab Sample ID:	C2275-6	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8021B	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ2272.D	1	09/12/08	JA	n/a	n/a	GJJ83
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
1330-20-7	Xylenes (total)	ND	10	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		60-157%

(a) All results reported on wet weight basis.

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:	MW3@10		
Lab Sample ID:	C2275-6	**Date Sampled:**	09/05/08
Matrix:	SO - Soil	**Date Received:**	09/09/08
Method:	SW846 8015B M SW846 3545A	**Percent Solids:**	n/a [a]
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG1215.D	1	09/12/08	JH	09/10/08	OP347	GGG55
Run #2							

	Initial Weight	Final Volume
Run #1	10.0 g	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	5.0	mg/kg	

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

(a) All results reported on wet weight basis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Northern California
ACCUTEST
Laboratories

CHAIN OF CUSTODY

3334 Victor Court, Santa Clara, CA 95054
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest NC Job # C: C2275

Client / Reporting Information

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

Project Information / **Requested Analyses**

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	MeOH	NaHSO4	ENCORE	8260 Full List ☐ 524 ☐ w/8015TPH as Gasoline	8260Petro (includes BTEX / MtBE / TBA / ETBE / DIPE / TAME / 1,2-DCA / EDB ☐ TPH as Gas ☐	8270 ☐ PAHs only ☐ 625 ☐ +TICs ☐	TPH-Extractable - (Diesel) - Motor Oil - Other ☐ With Silica Gel Cleanup ☒	METALS: CAM-17☐ LUFT-5☐ RCRA-8☐ PPM-13☐	Pesticides-8081 ☐ PCBs-8082 ☐ 608 ☐	BTEX MtBE-TPH as Gasoline by GC/FID-PID ☒				LAB USE ONLY
	mw1@4.5'	9/5/08	6:54	BH	S													X			X			001	
	mw1@10'	↓	7:21	↓	↓													X			X			002	
	mw2@4.5'	↓	8:50	↓	↓													X			X			003	
	mw2@10'	↓	9:18	↓	↓													X			X			004	
	mw3@4.5'	↓	11:45	↓	↓													X			X			005	
	mw3@10'	↓	12:10	↓	↓													X			X			006	
	Rec'd 2+3 Brass Tubes																								
	w/ 11.8° Temp.																								

Matrix Codes: WW- Water; GW- Ground Water; SW- Surface Water; SO- Soil; OI- Oil; WP- Wipe; LIQ- Non-aqueous Liquid; AIR; DW- Drinking Water (Pertussis Only)

Turnaround Time (Business days)

- ☐ Std. 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: ______

Emergency T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A"
- ☒ Commercial "B"
- ☐ EDF for Geotracker
- ☐ EDD Format ______
- Provide EDF Global ID ______
- Provide EDF Logcode: ______

Comments / Remarks

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

Relinquished by Sampler: 1 [signature]	Date Time: 9/9/08 1:00 PM	Received By: 1 Joseph [signature]	Relinquished By: 2	Date Time:	Received By: 2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Headspace Y / N; On Ice Y / N; Labels match CoC? Y / N; Separate Receipt Log Y / N	Cooler Temp. ______ °C

C2275: Chain of Custody
Page 1 of 2

Sample Receiving Checklist

Job # C2275

Review Chain of Custody: The Chain of Custody is to be completely and legibly filled out by Client.

- ☑ Are these regulatory (NPDES) samples? Yes / (No) circle one ☐ Is pH requested? Yes / No circle one
- ☐ Was Client informed that the hold time is 15mins Yes / No circle one If yes, did they consent to continue? _____
- ☐ Are sample within one-half hold-time? Yes / No circle one If no, was the lab informed? _____
- ☑ Report to info is complete and legible, including:
  - ☐ Type of Deliverable needed ☑ name ☑ address ☐ phone ☐ email
- ☑ Bill to info is complete and legible, including: ☐ PO# ☐ Credit card ☐ contact ☐ address ☐ phone ☐ email
- ☐ Contact and/or Project Mgr identified, including: ☐ phone ☐ email
- ☐ Project name / number ☐ Special requirements? Yes / No circle one
- ☑ Sample IDs / date & time of collection provided? (Yes) / No circle one
- ☑ Matrix listed and correct? (Yes) / No circle one
- ☑ Analyses listed are those we do ~~or client has authorized a subcontract~~? (Yes) / No circle one
- ☑ Chain is signed / dated by both client and sample custodian? (Yes) / No circle one
- ☐ TAT requested available? Approved by _____

Review Coolers:

- ☐ Samples / Coolers are at 0-6°C? If sampled within 4 hrs, then "on ice" is acceptable.

If a cooler is outside the 0-6°C range; note below the bottles in that cooler below.
Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)
Shipment Method: _____
Custody Seals Present Yes / No circle one Un-broken: Yes / No circle one

Review of Sample Bottles: If you answer no, explain below

- ☑ IDs / bottle number / Date / Time of bottle labels match CoC?
- ☐ Sample bottle intact? Yes / No circle one
- ☑ Proper containers and volumes? (Yes) / No circle one
- ☐ Proper preservatives? Check pH on preserved samples except 1664, 625, 8270, and VOAs and list below.
- ☐ VOAs received without headspace? Yes / No circle one

Lab #	Client Sample ID	pH Check:	Other Comments / Issues

C2275: Chain of Custody
Page 2 of 2

☐ Client informed of irregularities at receiving ☐ Project Mgr needs to contact Client for issues

Comments:

T:\Laboratory\Forms\SampleControl\Form_SampleReceiving_2008-04-12.doc

GC 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: C2275
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
GJK83-MB	JK2241.D	1	09/11/08	JA	n/a	n/a	GJK83

The QC reported here applies to the following samples: Method: SW846 8015B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.025	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	60-157%

Method Blank Summary

Job Number: C2275
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
GJJ83-MB	JJ2241.D	1	09/11/08	JA	n/a	n/a	GJJ83

The QC reported here applies to the following samples: Method: SW846 8021B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	25	10	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
1330-20-7	Xylenes (total)	ND	10	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	101%	60-157%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C2275
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
GJK83-BS	JK2244.D	1	09/11/08	JA	n/a	n/a	GJK83
GJK83-BSD	JK2245.D	1	09/11/08	JA	n/a	n/a	GJK83

The QC reported here applies to the following samples: Method: SW846 8015B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1	0.753	75	0.737	74	2	65-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	111%	60-157%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C2275
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
GJJ83-BS	JJ2242.D	1	09/11/08	JA	n/a	n/a	GJJ83
GJJ83-BSD	JJ2243.D	1	09/11/08	JA	n/a	n/a	GJJ83

The QC reported here applies to the following samples: Method: SW846 8021B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	54.9	110	54.8	110	0	65-135/30
100-41-4	Ethylbenzene	50	53.5	107	53.4	107	0	65-135/30
1634-04-4	Methyl Tert Butyl Ether	50	53.2	106	51.3	103	4	65-135/30
108-88-3	Toluene	50	51.3	103	50.9	102	1	65-135/30
1330-20-7	Xylenes (total)	150	162	108	162	108	0	65-135/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	105%	60-157%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C2275
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
C2295-2MS	JK2262.D	1	09/12/08	JA	n/a	n/a	GJK83
C2295-2MSD	JK2263.D	1	09/12/08	JA	n/a	n/a	GJK83
C2295-2	JK2247.D	1	09/11/08	JA	n/a	n/a	GJK83

The QC reported here applies to the following samples: Method: SW846 8015B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	C2295-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.977	0.686	70	0.646	65	6	65-135/25

CAS No.	Surrogate Recoveries	MS	MSD	C2295-2	Limits
460-00-4	4-Bromofluorobenzene	117%	113%	106%	60-157%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C2275
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
C2295-1MS	JJ2260.D	1	09/12/08	JA	n/a	n/a	GJJ83
C2295-1MSD	JJ2261.D	1	09/12/08	JA	n/a	n/a	GJJ83
C2295-1	JJ2246.D	1	09/11/08	JA	n/a	n/a	GJJ83

The QC reported here applies to the following samples: Method: SW846 8021B

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	C2295-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		48.7	48.8	100	47.5	97	3	65-135/25
100-41-4	Ethylbenzene	ND		48.7	46.7	96	45.8	94	2	65-135/25
1634-04-4	Methyl Tert Butyl Ether	ND		48.7	46.7	96	45.3	93	3	65-135/25
108-88-3	Toluene	ND		48.7	45.6	94	44.5	91	2	65-135/25
1330-20-7	Xylenes (total)	ND		146	140	96	138	94	1	65-135/25

CAS No.	Surrogate Recoveries	MS	MSD	C2295-1	Limits
460-00-4	4-Bromofluorobenzene	106%	107%	108%	60-157%

GC Semi-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: C2275
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
OP347-MB	HH819.D	1	09/09/08	JH	09/09/08	OP347	GHH50

The QC reported here applies to the following samples: Method: SW846 8015B M

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	75%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C2275
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
OP347-BS	HH820.D	1	09/09/08	JH	09/09/08	OP347	GHH50
OP347-BSD	HH821.D	1	09/09/08	JH	09/09/08	OP347	GHH50

The QC reported here applies to the following samples: Method: SW846 8015B M

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	100	64.2	64	70.5	71	9	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	72%	77%	45-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C2275
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
OP347-MS	HH845.D	1	09/10/08	JH	09/09/08	OP347	GHH50
OP347-MSD	HH846.D	1	09/10/08	JH	09/09/08	OP347	GHH50
C2255-5	HH825.D	1	09/09/08	JH	09/09/08	OP347	GHH50

The QC reported here applies to the following samples: Method: SW846 8015B M

C2275-1, C2275-2, C2275-3, C2275-4, C2275-5, C2275-6

CAS No.	Compound	C2255-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	ND		100	60.5	61	64.8	65	7	45-140/30

CAS No.	Surrogate Recoveries	MS	MSD	C2255-5	Limits
630-01-3	Hexacosane	79%	75%	76%	45-140%

CHAIN-OF-CUSTODY
ANALYTICAL RESULTS
Groundwater Samples

Torrent
LABORATORY, INC.

September 26, 2008

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

TEL: (650) 799-9204
FAX

RE: 0315

Order No.: 0809124

Dear Ben Halsted:

Torrent Laboratory, Inc. received 4 samples on 9/17/2008 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.

Laboratory Director

09-26-08
Date

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

Report prepared for: Ben Halsted
Environmental Restoration Services

Date Received: 9/17/2008
Date Reported: 9/26/2008

Client Sample ID: MW-1
Sample Location: 15651 Worthley Dr,San Lorenzo
Sample Matrix: WATER
Date/Time Sampled 9/17/2008 9:30:00 AM

Lab Sample ID: 0809124-001
Date Prepared: 9/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/19/2008	0.1	1	0.100	ND	mg/L	R17407
Surr: Pentacosane	SW8015B	9/19/2008	0	1	64.2-123	91.0	%REC	R17407
Benzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Diisopropyl ether (DIPE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethyl tert-butyl ether (ETBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethylbenzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Methyl tert-butyl ether (MTBE)	SW8260B	9/26/2008	0.5	1	0.500	2.09	µg/L	R17429
t-Butyl alcohol (t-Butanol)	SW8260B	9/26/2008	10	1	10.0	ND	µg/L	R17429
tert-Amyl methyl ether (TAME)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Toluene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Xylenes, Total	SW8260B	9/26/2008	1.5	1	1.50	ND	µg/L	R17429
Surr: Dibromofluoromethane	SW8260B	9/26/2008	0	1	61.2-131	80.8	%REC	R17429
Surr: 4-Bromofluorobenzene	SW8260B	9/26/2008	0	1	64.1-120	117	%REC	R17429
Surr: Toluene-d8	SW8260B	9/26/2008	0	1	75.1-127	118	%REC	R17429

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Ben Halsted
Environmental Restoration Services

Date Received: 9/17/2008
Date Reported: 9/26/2008

Client Sample ID: MW-2
Sample Location: 15651 Worthley Dr,San Lorenzo
Sample Matrix: WATER
Date/Time Sampled 9/16/2008 3:21:00 PM

Lab Sample ID: 0809124-002
Date Prepared: 9/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/19/2008	0.1	1	0.100	ND	mg/L	R17407
Surr: Pentacosane	SW8015B	9/19/2008	0	1	64.2-123	83.5	%REC	R17407
Benzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Diisopropyl ether (DIPE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethyl tert-butyl ether (ETBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethylbenzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Methyl tert-butyl ether (MTBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
t-Butyl alcohol (t-Butanol)	SW8260B	9/26/2008	10	1	10.0	ND	µg/L	R17429
tert-Amyl methyl ether (TAME)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Toluene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Xylenes, Total	SW8260B	9/26/2008	1.5	1	1.50	ND	µg/L	R17429
Surr: Dibromofluoromethane	SW8260B	9/26/2008	0	1	61.2-131	112	%REC	R17429
Surr: 4-Bromofluorobenzene	SW8260B	9/26/2008	0	1	64.1-120	104	%REC	R17429
Surr: Toluene-d8	SW8260B	9/26/2008	0	1	75.1-127	101	%REC	R17429

Report prepared for: Ben Halsted
Environmental Restoration Services

Date Received: 9/17/2008
Date Reported: 9/26/2008

Client Sample ID: MW-3
Sample Location: 15651 Worthley Dr,San Lorenzo
Sample Matrix: WATER
Date/Time Sampled 9/16/2008 1:50:00 PM

Lab Sample ID: 0809124-003
Date Prepared: 9/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	9/19/2008	0.1	1	0.100	ND	mg/L	R17407
Surr: Pentacosane	SW8015B	9/19/2008	0	1	64.2-123	79.0	%REC	R17407
Benzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Diisopropyl ether (DIPE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethyl tert-butyl ether (ETBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethylbenzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Methyl tert-butyl ether (MTBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
t-Butyl alcohol (t-Butanol)	SW8260B	9/26/2008	10	1	10.0	ND	µg/L	R17429
tert-Amyl methyl ether (TAME)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Toluene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Xylenes, Total	SW8260B	9/26/2008	1.5	1	1.50	ND	µg/L	R17429
Surr: Dibromofluoromethane	SW8260B	9/26/2008	0	1	61.2-131	93.6	%REC	R17429
Surr: 4-Bromofluorobenzene	SW8260B	9/26/2008	0	1	64.1-120	103	%REC	R17429
Surr: Toluene-d8	SW8260B	9/26/2008	0	1	75.1-127	93.3	%REC	R17429

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Ben Halsted
Environmental Restoration Services

Date Received: 9/17/2008
Date Reported: 9/26/2008

Client Sample ID: Tank Pit
Sample Location: 15651 Worthley Dr,San Lorenzo
Sample Matrix: WATER
Date/Time Sampled 9/16/2008 12:41:00 PM

Lab Sample ID: 0809124-004
Date Prepared: 9/19/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Cadmium	SW6010B	9/20/2008	0.005	1	0.0050	ND	mg/L	4608
Chromium	SW6010B	9/20/2008	0.005	1	0.0050	0.0070	mg/L	4608
Lead	SW6010B	9/20/2008	0.015	1	0.015	0.042	mg/L	4608
Nickel	SW6010B	9/20/2008	0.01	1	0.010	0.025	mg/L	4608
Zinc	SW6010B	9/20/2008	0.005	1	0.0050	11	mg/L	4608
TPH (Diesel-SG)	SW8015B	9/19/2008	0.1	1	0.233	ND	mg/L	R17407
Surr: Pentacosane	SW8015B	9/19/2008	0	1	64.2-123	78.0	%REC	R17407
Note: Reporting limits increased due to limited sample available.								
Benzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Diisopropyl ether (DIPE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethyl tert-butyl ether (ETBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Ethylbenzene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Methyl tert-butyl ether (MTBE)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
t-Butyl alcohol (t-Butanol)	SW8260B	9/26/2008	10	1	10.0	ND	µg/L	R17429
tert-Amyl methyl ether (TAME)	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Toluene	SW8260B	9/26/2008	0.5	1	0.500	ND	µg/L	R17429
Xylenes, Total	SW8260B	9/26/2008	1.5	1	1.50	ND	µg/L	R17429
Surr: Dibromofluoromethane	SW8260B	9/26/2008	0	1	61.2-131	95.0	%REC	R17429
Surr: 4-Bromofluorobenzene	SW8260B	9/26/2008	0	1	64.1-120	96.7	%REC	R17429
Surr: Toluene-d8	SW8260B	9/26/2008	0	1	75.1-127	88.3	%REC	R17429

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

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.
a	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 #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: Environmental Restoration Services
Work Order: 0809124
Project: 0315

ANALYTICAL QC SUMMARY REPORT

BatchID: 4608

Sample ID	MB-4608	SampType:	MBLK	TestCode:	6010B_W	Units:	mg/L	Prep Date:	9/19/2008	RunNo:	17383
Client ID:	ZZZZZ	Batch ID:	4608	TestNo:	SW6010B	(E200.7/SW3		Analysis Date:	9/20/2008	SeqNo:	248902

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.0050									
Chromium	ND	0.0050									
Lead	ND	0.015									
Nickel	ND	0.010									
Zinc	ND	0.010									

Sample ID	LCS-4608	SampType:	LCS	TestCode:	6010B_W	Units:	mg/L	Prep Date:	9/19/2008	RunNo:	17383
Client ID:	ZZZZZ	Batch ID:	4608	TestNo:	SW6010B	(E200.7/SW3		Analysis Date:	9/20/2008	SeqNo:	248900

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.9880	0.0050	1	0.001	98.7	80	120				
Chromium	1.025	0.0050	1	0	103	80	120				
Lead	1.011	0.015	1	0	101	80	120				
Nickel	1.015	0.010	1	0	102	80	120				
Zinc	1.044	0.010	1	0.006	104	80	120				

Sample ID	LCSD-4608	SampType:	LCSD	TestCode:	6010B_W	Units:	mg/L	Prep Date:	9/19/2008	RunNo:	17383
Client ID:	ZZZZZ	Batch ID:	4608	TestNo:	SW6010B	(E200.7/SW3		Analysis Date:	9/20/2008	SeqNo:	248901

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.9770	0.0050	1	0.001	97.6	80	120	0.988	1.12	20	
Chromium	1.017	0.0050	1	0	102	80	120	1.025	0.784	20	
Lead	0.9950	0.015	1	0	99.5	80	120	1.011	1.60	20	
Nickel	1.013	0.010	1	0	101	80	120	1.015	0.197	20	
Zinc	1.041	0.010	1	0.006	104	80	120	1.044	0.288	20	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Environmental Restoration Services
Work Order: 0809124
Project: 0315

ANALYTICAL QC SUMMARY REPORT

BatchID: 4608

Sample ID	0809124-004AMS	SampType:	MS	TestCode:	6010B_W	Units:	mg/L	Prep Date:	9/19/2008	RunNo:	17383
Client ID:	Tank Pit	Batch ID:	4608	TestNo:	SW6010B		(E200.7/SW3	Analysis Date:	9/20/2008	SeqNo:	248896

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.9090	0.0050	1	0.003	90.6	75	125				
Chromium	0.9540	0.0050	1	0.007	94.7	75	125				
Lead	1.002	0.015	1	0.042	96.0	75	125				
Nickel	0.9360	0.010	1	0.025	91.1	75	125				
Zinc	12.04	0.010	1	11.22	82.0	75	125				

Sample ID	0809124-004AMSD	SampType:	MSD	TestCode:	6010B_W	Units:	mg/L	Prep Date:	9/19/2008	RunNo:	17383
Client ID:	Tank Pit	Batch ID:	4608	TestNo:	SW6010B		(E200.7/SW3	Analysis Date:	9/20/2008	SeqNo:	248897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.9040	0.0050	1	0.003	90.1	75	125	0.909	0.552	30	
Chromium	0.9570	0.0050	1	0.007	95.0	75	125	0.954	0.314	30	
Lead	0.9950	0.015	1	0.042	95.3	75	125	1.002	0.701	30	
Nickel	0.9430	0.010	1	0.025	91.8	75	125	0.936	0.745	30	
Zinc	12.21	0.010	1	11.22	99.0	75	125	12.04	1.40	30	

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Environmental Restoration Services
Work Order: 0809124
Project: 0315

ANALYTICAL QC SUMMARY REPORT

BatchID: R17407

Sample ID	WDSG080918A-MB	SampType:	MBLK	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	9/18/2008	RunNo:	17407
Client ID:	ZZZZZ	Batch ID:	R17407	TestNo:	SW8015B			Analysis Date:	9/19/2008	SeqNo:	249178

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.100									
Surr: Pentacosane	0.08500	0	0.1	0	85.0	64.2	123				

Sample ID	WDSG080918A-LCS	SampType:	LCS	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	9/18/2008	RunNo:	17407
Client ID:	ZZZZZ	Batch ID:	R17407	TestNo:	SW8015B			Analysis Date:	9/19/2008	SeqNo:	249179

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.6740	0.100	1	0	67.4	34.5	95.6				
Surr: Pentacosane	0.08300	0	0.1	0	83.0	64.2	123				

Sample ID	WDSG080918A-LCS	SampType:	LCSD	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	9/18/2008	RunNo:	17407
Client ID:	ZZZZZ	Batch ID:	R17407	TestNo:	SW8015B			Analysis Date:	9/19/2008	SeqNo:	249180

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.6240	0.100	1	0	62.4	34.5	95.6	0.674	7.70	30	
Surr: Pentacosane	0.08600	0	0.1	0	86.0	64.2	123	0	0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Environmental Restoration Services
Work Order: 0809124
Project: 0315

ANALYTICAL QC SUMMARY REPORT

BatchID: R17429

Sample ID	MB_R17429	SampType:	MBLK	TestCode:	8260B_W	Units:	µg/L	Prep Date:	9/25/2008	RunNo:	17429
Client ID:	ZZZZZ	Batch ID:	R17429	TestNo:	SW8260B			Analysis Date:	9/25/2008	SeqNo:	249486

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									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
Toluene	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.94	0	11.36	0	96.3	61.2	131				
Surr: 4-Bromofluorobenzene	10.55	0	11.36	0	92.9	64.1	120				
Surr: Toluene-d8	11.44	0	11.36	0	101	75.1	127				

Sample ID	LCS_R17429	SampType:	LCS	TestCode:	8260B_W	Units:	µg/L	Prep Date:	9/25/2008	RunNo:	17429
Client ID:	ZZZZZ	Batch ID:	R17429	TestNo:	SW8260B			Analysis Date:	9/25/2008	SeqNo:	249487

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	14.87	0.500	17.04	0	87.3	66.9	140				
Toluene	16.73	0.500	17.04	0	98.2	76.6	123				
Surr: Dibromofluoromethane	9.130	0	11.36	0	80.4	61.2	131				
Surr: 4-Bromofluorobenzene	12.71	0	11.36	0	112	64.1	120				
Surr: Toluene-d8	11.16	0	11.36	0	98.2	75.1	127				

Sample ID	LCSD_R17429	SampType:	LCSD	TestCode:	8260B_W	Units:	µg/L	Prep Date:	9/25/2008	RunNo:	17429
Client ID:	ZZZZZ	Batch ID:	R17429	TestNo:	SW8260B			Analysis Date:	9/25/2008	SeqNo:	249488

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	15.49	0.500	17.04	0	90.9	66.9	140	14.87	4.08	20	
Toluene	19.35	0.500	17.04	0	114	76.6	123	16.73	14.5	20	
Surr: Dibromofluoromethane	12.91	0	11.36	0	114	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.50	0	11.36	0	101	64.1	120	0	0	0	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Environmental Restoration Services
Work Order: 0809124
Project: 0315

ANALYTICAL QC SUMMARY REPORT

BatchID: R17429

Sample ID: LCSD_R17429	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 9/25/2008	RunNo: 17429
Client ID: ZZZZZ	Batch ID: R17429	TestNo: SW8260B		Analysis Date: 9/25/2008	SeqNo: 249488

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	12.99	0	11.36	0	114	75.1	127	0	0	0	

Qualifiers:
- B Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Torrent Laboratory, Inc.

WORK ORDER Summary

18-Sep-08

Work Order 0809124

Client ID: DYSERT (ENV RESTORATION S

Project: 0315 **QC Level:**

Comments: 5 day TAT! Received 4 waters.

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0809124-001A	MW-1	9/17/2008 9:30:00 AM	9/17/2008	9/23/2008	Water	8260B_W_PETRO LEVM	☐	☐	☑	☐	SR
				9/23/2008		TPHDSG_W	☐	☐	☐	☐	SR
0809124-002A	MW-2	9/16/2008 3:21:00 PM		9/23/2008		8260B_W_PETRO LEVM	☐	☐	☑	☐	SR
				9/23/2008		TPHDSG_W	☐	☐	☐	☐	SR
0809124-003A	MW-3	9/16/2008 1:50:00 PM		9/23/2008		8260B_W_PETRO LEVM	☐	☐	☑	☐	SR
				9/23/2008		TPHDSG_W	☐	☐	☐	☐	SR
0809124-004A	Tank Pit	9/16/2008 12:41:00 PM		9/23/2008		200.7PR/3010A_W	☐	☐	☐	☐	SR
				9/23/2008		6010B_W	☐	☐	☑	☐	SR
				9/23/2008		8260B_W_PETRO LEVM	☐	☐	☑	☐	SR
				9/23/2008		TPHDSG_W	☐	☐	☐	☐	SR

CHAIN OF CUSTODY / ANALYSIS REQUEST 0809124

Attention	Ben Halsted	**Telephone**		***Billing (if different)***
Company Name	Environmental Restoration Services	**Email**		***Attn: Accounts Payable***
Mailing Address		**Mobile**		***Dysert Environmental, Inc.***
City, State & Zip		**P.O. No.**	***0315***	***P.O. Box 5608***
Lab I.D.		**Sampler/s**	**Richard Vasquez /**	***San Mateo, CA 94402***
Project Name	Groundwater Sampling	**Project Location**	15651 Worthley Drive San Lorenzo, CA	**Sampling Code =**

Sample Matrix = Groundwater

Turn Around Time = *5 DAY*

	Sample ID:	Date:	Time:	No. of Containers	TPH-Diesel by 8015 w/silica gel cleanup	Fuel Oxygenates + BTEX by 8260	Total Luft 5 Metals
001A	MW-1	9-17-08	0930	5	X	X	
002A	MW-2	9-16-08	1521	5	X	X	
003A	MW-3	9-16-08	1350	5	X	X	
004A	Tank Pit	9-16-08	1241	6	X	X	X

Relinquished by	Received by FRol	Time 1645	Date 9-16-08
Relinquished by MW-1	Received by FRol	Time 1151	Date 9-17-08
Relinquished by FRol	Received by C Moore	Time 13:40	Date 9-17-08
Relinquished by C Moore	Received by M.S. Labib	Time 14:25	Date 9.17

Additional Mailing Instructions:

cc: markdysert@aol.com

Lab Notes:

Sample Temperature Upon Receipt in Lab = 4°C

Sampling Notes:

Dysert Environmental, Inc. Tel: (650) 799-9204

MK 9/18

DB 09/18

WELL SURVEY

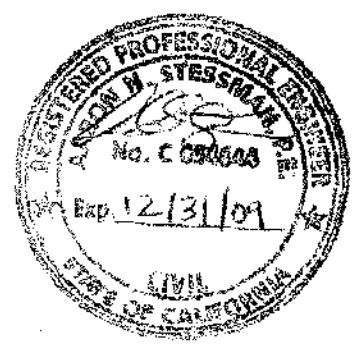
CSS ENVIRONMENTAL SERVICES, INC.
Managing Cost, Scope and Schedule
100 Galli Drive, Suite 1
Novato, CA 94949
Telephone: (415) 883-6203
Facsimile: (415) 883-6204

Site Positions

CSS Project 6570 - Environmental Restoration Services
16651 Worthley Dr, San Lorenzo

Horizontal Coordinate System: North American 1983-CONUS **Survey Date:** 10/01/08
Height System: North American Vertical Datum 1988-Ortho, Ht. (GEOID03)
Project file: 6570 Env. Restoration Serv. San Lorenzo.spr
Desired Horizontal Accuracy: 0.100Ft + 1ppm
Desired Vertical Accuracy: 0.100Ft + 2ppm
Confidence Level: 95% Err.
Linear Units of Measure: Int. Feet

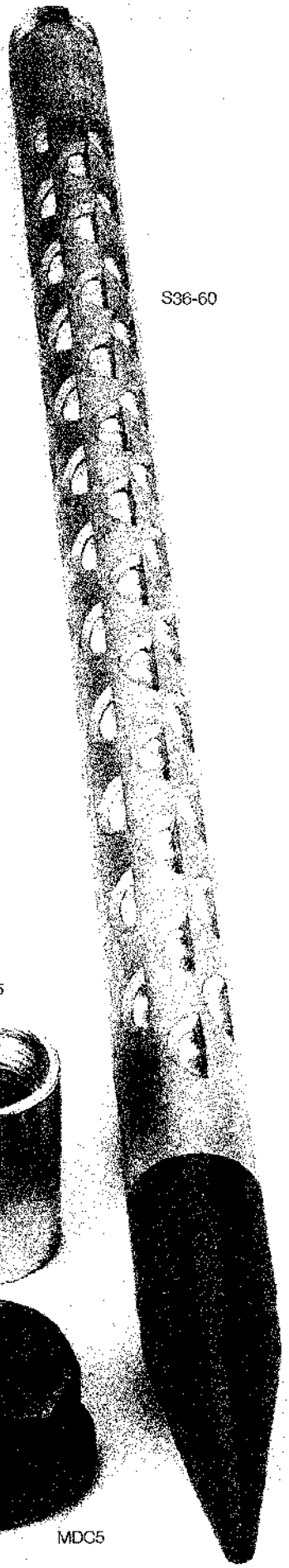
	Site ID	Site Descriptor	Position		95% Error	Fix Status	Position Status
1	3814	MONUMENT AA3814	Lat.	37° 44′ 59.76244″ N	0.000	Fixed	Processed
			Lon.	122° 12′ 18.12186″ W	0.000	Fixed	
			Elv.	11.581	0.000	Fixed	
2	MW-1	TBM-B ON N RIM	Lat.	37° 40′ 12.32799″ N	0.006		Processed
			Lon.	122° 09′ 12.02469″ W	0.006		
		N RIM WELL LOCATION	Elv.	12.24			
		N TOC	Elv.	12.07			
3	MW-3	NR WELL LOC	Lat.	37° 40′ 11.96369″ N	0.006		Processed
			Lon.	122° 09′ 11.78091″ W	0.006		
		N RIM WELL LOCATION	Elv.	12.30			
		N TOC	Elv.	12.05			
4	3667	MONUMENT HT3667	Lat.	37° 39′ 13.09995″ N	0.000	Fixed	Processed
			Lon.	122° 06′ 40.30971″ W	0.000	Fixed	
			Elv.	55.774	0.000	Fixed	
5	MW-2	TBM-A ON N RIM	Lat.	37° 40′ 11.96359″ N	0.019		Processed
			Lon.	122° 09′ 12.25711″ W	0.026		
		N RIM WELL LOCATION	Elv.	12.27	0.045		
		N TOC	Elv.	11.70			

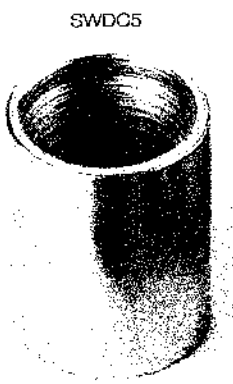


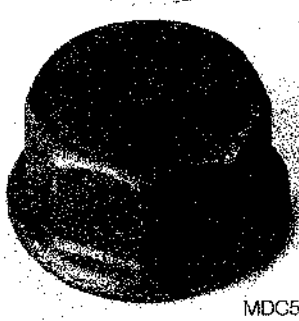
WELL POINT CUT SHEET

Campbell
Well Points

P1





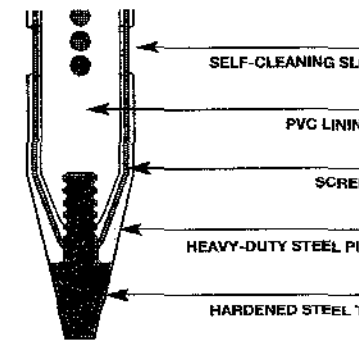


WELL POINT

part	size	length	gauze	screen material	pcs/ctn
S24-60	1-1/4	24	60	stainless steel	Bulk
S30-60	1-1/4	30	60	stainless steel	Bulk
S36-60	1-1/4	36	60	stainless steel	Bulk
S48-60	1-1/4	48	60	stainless steel	Bulk
S60-60	1-1/4	60	60	stainless steel	Bulk
S24-80	1-1/4	24	80	stainless steel	Bulk
S30-80	1-1/4	30	80	stainless steel	Bulk
S36-80	1-1/4	36	80	stainless steel	Bulk
S48-80	1-1/4	48	80	stainless steel	Bulk
S24-100	1-1/4	24	100	stainless steel	Bulk
S30-100	1-1/4	30	100	stainless steel	Bulk
S36-100	1-1/4	36	100	stainless steel	Bulk
S48-100	1-1/4	48	100	stainless steel	Bulk
S236-60	2	36	60	stainless steel	Bulk
S248-60	2	48	60	stainless steel	Bulk
S260-60	2	60	60	stainless steel	Bulk
S236-80	2	36	80	stainless steel	Bulk
S248-80	2	48	80	stainless steel	Bulk
S236-100	2	36	100	stainless steel	Bulk
S248-100	2	48	100	stainless steel	Bulk
S260-100	2	60	100	stainless steel	Bulk

features

- Flush point for less friction resistance and easier driving. Easily passes through well casing and drive shoe.
- Self-flushing, chamfered, half-moon slots eliminate clay build-up.
- Internal screen for added protection against damage when driving.
- Engineered for use in most types of soil.
- Corrosion-resistant electro-galvanized steel pipe body.
- No welded seams on screen.
- NSF-approved PVC pipe lining.
- Can be used as a drive point, suction strainer, or jet pump installation (shallow or deep well).



SHALLOW WELL DRIVE COUPLING (imported)

part	size	pcs/ctn
SWDC5	1-1/4	40
SWDC8	2	20

Heavy galvanized steel design to provide extra strength. Taper-tapped 3/4" per foot on diameter, reamed, and drifted. Individually boxed.

DRIVE CAP

part	size	pcs/ctn
MDC5	1-1/4	Bulk
MDC8	2	Bulk

Malleable iron for extra strength and durability. Vented in top.

Campbell Manufacturing, Inc.
Spring & Railroad Streets
Bechtelsville, PA 19505
800-523-0224, Fax 610-369-3580