Transportation Terminals Company

4919 Tidewater Ave. Unit B
Oakland, CA 94601

RECEIVED

8:19 am, May 10, 2012

Alameda County
Environmental Health

May 3, 2012

Kieth Nowell, Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

Subject: Letter of Transmittal for
Semi-Annual Monitoring Report
15651 Worthley Ave., San Lorenzo, CA

Case No. RO0002558

Dear Mr. Nowell,

On behalf of RWL Investments Inc., Environmental Restoration Services has prepared the attached Report dated April 30, 2012, for the above referenced site.

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

Sincerely,
RWL Investments, Inc.

Bob Lawlor
President

Environmental Restoration Services

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

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

April 30, 2012

Attn: Mr. Keith Nowell, Haz Mat. Specialist for : 15651 Worthley Dr., San Lorenzo

Re: Groundwater Monitoring Well Sampling Event

Tank Excavation Groundwater Grab Sampling Event

On March 12, 2012, a single round of groundwater samples were obtained from monitoring wells MW1, MW2 and MW-3 by Well Test Inc. (Well Test) of San Jose, CA. Groundwater samples were collected by Well Test personnel 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Each well was bailed until the volume of water withdrawn was equal to at least three casing volumes.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)

In addition, the groundwater sample obtained from monitor well MW-1 was analyzed for dissolved zinc by EPA Method 6010.

The results of the groundwater samples recovered from monitoring wells MW-1, MW-2 and MW-3 indicated detection of Total Petroleum Hydrocarbon as diesel (TPH/d) at concentrations of 36.9, 78.4 and 33.9 micrograms per liter (ug/l), respectively. Monitoring well MW-3 also detected MTBE, at a concentration of 2.1 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
3/12/12	MW1	36.9	ND<1	ND<1	ND<1	ND<2	ND<2	3.95	8.12

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
3/12/12	MW2	78.4	ND<1	ND<1	ND<1	ND<2	ND<2	2.21	9.49

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
3/12/12	MW3	33.9	ND<1	ND<1	ND<1	ND<2	2.1	4.05	8.00

On March 12, 2012, Well Test personal the water levels in monitor wells MW-2, MW-3 and MW-1 were measured, by Well Test personal, 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.

TANK EXCAVATION GROUNDWATER GRAB SAMPLING

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

Prior to mobilization of the drilling equipment on-site, all associated equipment was thoroughly cleaned to removed all soil, oil, grease, mud, tar, etc. The cleaning process consisted of non-TSP cleaning and a clean water final rinse. On April 17, 2012, a single boring was advanced by Well Test using a 1.5 inch diameter stainless steel vibra-push Geo-Probe groundwater sample point to a depth of five feet.

The sample point was then allowed to recharge with groundwater. Well Test personal then inserted new Teflon single use tubing with check valve into the sample point for recovery of a groundwater grab sample. The groundwater then pumped to the surface by manually activating the check valve and placed into sample containers obtained directly from the analytical laboratory. An effort was made to minimize exposure of the sample to air. The groundwater sample, "PITGW4-17", was immediately stored on crushed ice and maintained at a constant 4 degrees Celsius. The sample was then transported to Accutest by Well Test personal, under proper chain-of-custody procedures.

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 boring was backfilled immediately after completion of sampling, according to ACPWD guidelines and under ACPWD inspection.

3.1.4 Laboratory Analyses

The following analyses were performed by Accutest on the groundwater sample "PITGW4-17" obtained from boring .

Naphthalene	(EPA Method 8270C)
Dissolved LUFT 5 Metals	(EPA Method 6010)

The analytical results of the groundwater grab sample indicated no amount of analyzed constituents above the laboratory detection limit, with the exception of dissolved zinc at 39.2 ug/l.

CONCLUSIONS

It appears that the groundwater at the monitoring well sample points MW-1, MW-2 and MW-3 all contained TPH/d contaminates at concentrations above the lab detective limits, at concentrations of 36.9, 78.4 and 33.9 ug/l, respectively. Sample point MW-3 also reported a trace detection of MTBE at 2.1 ug/l. It also appears that the groundwater at grab sample point "TNK PIT", located within the backfill of the former tank excavation, contained dissolved zinc concentration of 39.2 ug/l. At this time, these concentrations all appear to be below the California Regional Water Quality Control Board, San Francisco Bay Region, Tier I , Table G Environmental Screening Level.

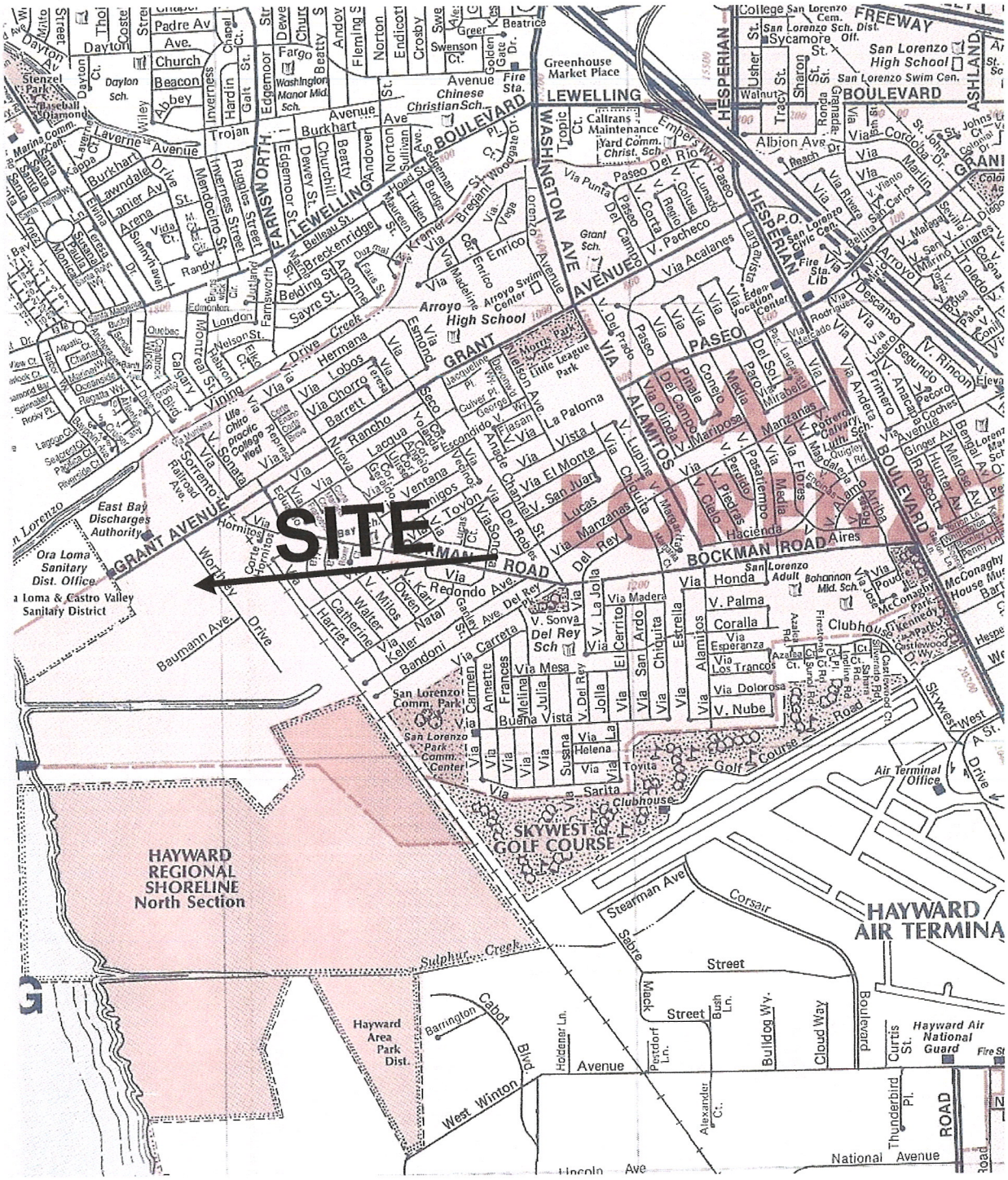
Respectfully submitted this 30th day of April, 2012

Bennett T. Halsted
Project Manager

Samuel H. Halsted PE
C.E. 14095

REGISTERED PROFESSIONAL ENGINEER
SAMUEL H. HALSTED
C14095
3-31-13
CIVIL
STATE OF CALIFORNIA

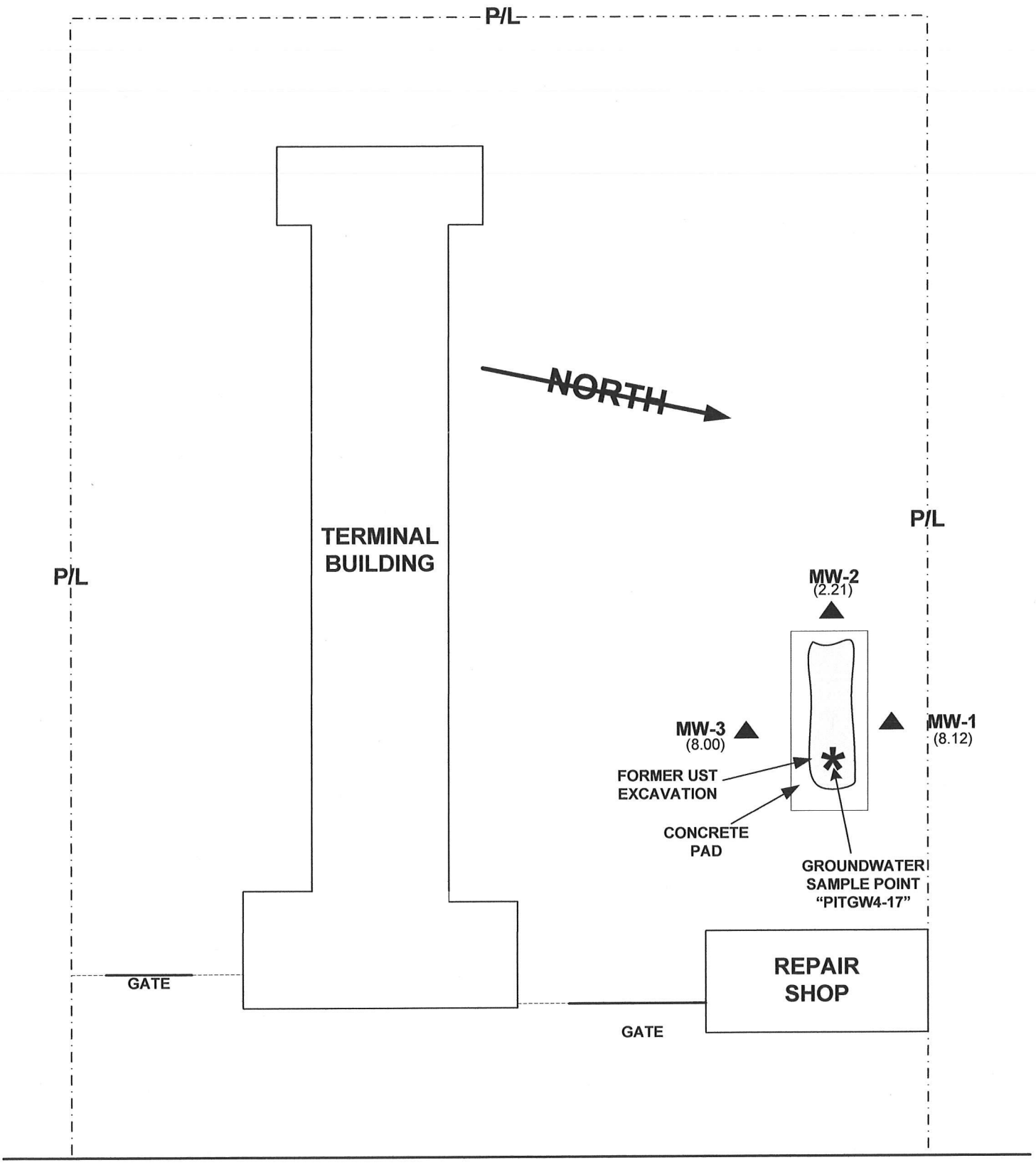
FIGURES



VICINITY MAP

15651 Worthley Dr., San Lorenzo, CA

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



WELL#	CASING ELEV.	DEPTH TO GRNDWTR.	GRNDWTR. ELEV.
MW1	12.07	3.95	8.12
MW2	11.70	2.21	9.49
MW3	12.05	4.05	8.00

SITE PLAN

15651 Worthley Dr., San Lorenzo, CA

DATE 4/17/12 | SCALE: 1"=40' | BY:

Environmental Restoration Services
PO Box 2006, Menlo Park, CA 94026

FIGURE 2

DRILL PERMIT

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/11/2012 By jamesy

Permit Numbers: W2012-0246
Permits Valid from 04/16/2012 to 04/16/2012

Application Id: 1333562932772
City of Project Site: San Lorenzo
Site Location: 15651 Worthley Dr.
San Lorenzo CA
Project Start Date: 04/16/2012
Completion Date: 04/16/2012
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Environmental Restoration Services - Ben Halsted
PO Box 2006, Menlo Park, CA 94026
Phone: 408-655-9434

Property Owner: Tansportation Terminalsl nc.
4919 Tidewater Ave. Unit B, Oakland, CA 94601
Phone: --

Client: ** same as Property Owner **

Total Due: $265.00
Receipt Number: WR2012-0105 **Total Amount Paid:** $265.00
Payer Name : Bennett T Halsted Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 1 Boreholes
Driller: Environmental Restoration Services - Lic #: 589652 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2012-0246	04/11/2012	07/15/2012	1	1.50 in.	4.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

WELL PURGE LOGS

Well Purging/Sampling Logs
Project 2713 - Transportation Terminals
15651 Worthley Drive, San Lorenzo, CA

WELL: MW-1

Well Purge Method:	PVC Bailer
Sample Collection Method:	Disposable Bailer
Sample Depth (ft-btoc):	3.95
Sampled By:	Curtis Kilgore
Observations:	No Hydrocarbon Odor
Recovery %:	100.00%
Field Meter Types:	Solinst DTW; Hanna Water Test; Hanna HI 731313; SM 600
Decontamination Method:	3 Stage (Alconox, Tap Water & DI Rinse)

Screen Interval:	3.5 - 10	ft bgs
Casing Diameter:	2	inches
Casing Depth:	9.71	ft btoc
Depth to Water:	3.95	ft btoc
Height of Water:	5.76	ft
Three Well Volumes:	2.82	gal

Container Type(s):	1 L; 2 VOAs; 1 (250 ml)
Preservatives:	none/HCL/Nitric
Filtered (Y/N):	No

Date/Time	Total Purge	Task	D.O.	O.R.P.	pH	EC	Temp	Turbidity	DTW	Pump
03/12/12	Vol. *[Gal]*	Status	mg/L	mV	Std. Units	uS/cm	°C	FTU	BTOC [ft]	Depth *[ft]*
9:08 AM	0	Pre-Purge							3.95	No Pump
9:46 AM	1	Purge			7.10	912	17.8			
9:50 AM	2	Purge			7.12	948	17.7			
9:52 AM	3	Purge			7.12	943	17.7			
11:45 AM	3	Collect Sampales							3.95	

WELL: MW-2

Well Purge Method:	PVC Bailer
Sample Collection Method:	Disposable Bailer
Sample Depth (ft-btoc):	2.29
Sampled By:	Curtis Kilgore
Observations:	No Hydrocarbon Odor
Recovery %:	99.58%
Field Meter Types:	Solinst DTW; Hanna Water Test; Hanna HI 731313; SM 600
Decontamination Method:	3 Stage (Alconox, Tap Water & DI Rinse)

Screen Interval:	3.5 - 10	ft bgs
Casing Diameter:	2	inches
Casing Depth:	10.15	ft btoc
Depth to Water:	2.21	ft btoc
Height of Water:	7.94	ft
Three Well Volumes:	3.89	gal

Container Type(s):	1 Amber L; 2 VOAs
Preservatives:	HCL
Filtered (Y/N):	No

Date/Time	Total Purge	Task	D.O.	O.R.P.	pH	EC	Temp	Turbidity	DTW	Pump
03/12/12	Vol. *[Gal]*	Status	mg/L	mV	Std. Units	uS/cm	°C	FTU	BTOC [ft]	Depth *[ft]*
9:20 AM	0	Pre-Purge							2.21	No Pump
10:05 AM	1	Purge			8.00	580	17.4			
10:08 AM	2.5	Purge			7.82	497	17.4			
10:11 AM	4.5	Purge			7.90	512	17.4			
11:15 AM	4.5	Collect Sampales							2.29	

WELL: MW-3

Well Purge Method:	PVC Bailer
Sample Collection Method:	Disposable Bailer
Sample Depth (ft-btoc):	4.07
Sampled By:	Curtis Kilgore
Observations:	No Hydrocarbon Odor
Recovery %:	99.88%
Field Meter Types:	Solinst DTW; Hanna Water Test; Hanna HI 731313; SM 600
Decontamination Method:	3 Stage (Alconox, Tap Water & DI Rinse)

Screen Interval:	3.5 - 10	ft bgs
Casing Diameter:	2	inches
Casing Depth:	9.73	ft btoc
Depth to Water:	4.05	ft btoc
Height of Water:	5.68	ft
Three Well Volumes:	2.78	gal

Container Type(s):	1 Amber L; 2 VOAs
Preservatives:	HCL
Filtered (Y/N):	No

Date/Time	Total Purge	Task	D.O.	O.R.P.	pH	EC	Temp	Turbidity	DTW	Pump
03/12/12	Vol. *[Gal]*	Status	mg/L	mV	Std. Units	uS/cm	°C	FTU	BTOC [ft]	Depth *[ft]*
9:10 AM	0	Pre-Purge							4.05	No Pump
10:24 AM	1	Purge			7.51	610	17.6			
10:30 AM	2	Purge			7.60	587	17.5			
10:32 AM	3	Purge			7.47	592	17.6			
12:15 PM	3	Collect Sampales							4.07	

CHAIN-OF-CUSTODY ANALYTICAL RESULTS

Northern California ACCUTEST LABORATORIES

03/24/12

Technical Report for

Environmental Restoration Services

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

Accutest Job Number: C20813

Sampling Date: 03/12/12

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: **29**

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.

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)

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

Environmental Restoration Services

Job No: C20813

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C20813-1	03/12/12	11:15	CK	03/12/12	AQ	Ground Water	MW-2
C20813-2	03/12/12	11:45	CK	03/12/12	AQ	Ground Water	MW-1
C20813-2F	03/12/12	11:45	CK	03/12/12	AQ	Groundwater Filtered	MW-1
C20813-3	03/12/12	12:15	CK	03/12/12	AQ	Ground Water	MW-3

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	C20813-1	**Date Sampled:**	03/12/12
Matrix:	AQ - Ground Water	**Date Received:**	03/12/12
Method:	SW846 8260B	**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 [a]	W29524.D	1	03/22/12	TN	n/a	n/a	VW1002
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		60-130%
2037-26-5	Toluene-D8	91%		60-130%
460-00-4	4-Bromofluorobenzene	94%		60-130%

(a) Sample vial contained more than 0.5cm of sediment.

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:	MW-2		
Lab Sample ID:	C20813-1	**Date Sampled:**	03/12/12
Matrix:	AQ - Ground Water	**Date Received:**	03/12/12
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	GG32701.D	1	03/16/12	JH	03/14/12	OP5580	GGG873
Run #2							

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

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0784	0.094	0.024	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	39% [a]		45-140%

(a) Surrogate outside control limits due to matrix interference. Emulsion formed during extraction process.

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:	MW-1		
Lab Sample ID:	C20813-2	**Date Sampled:**	03/12/12
Matrix:	AQ - Ground Water	**Date Received:**	03/12/12
Method:	SW846 8260B	**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 [a]	W29525.D	1	03/22/12	TN	n/a	n/a	VW1002
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		60-130%
2037-26-5	Toluene-D8	92%		60-130%
460-00-4	4-Bromofluorobenzene	94%		60-130%

(a) Sample vial contained more than 0.5cm of sediment.

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: MW-1
Lab Sample ID: C20813-2 **Date Sampled:** 03/12/12
Matrix: AQ - Ground Water **Date Received:** 03/12/12
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	GG32671.D	1	03/15/12	JH	03/14/12	OP5580	GGG872
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0369	0.10	0.025	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	58%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	C20813-2F	**Date Sampled:**	03/12/12
Matrix:	AQ - Groundwater Filtered	**Date Received:**	03/12/12
		Percent Solids:	n/a
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Zinc	< 20	20	ug/l	1	03/15/12	03/19/12	RS	SW846 6010B [1]	SW3010A [2]

(1) Instrument QC Batch: MA2392
(2) Prep QC Batch: MP4666

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	C20813-3	**Date Sampled:**	03/12/12
Matrix:	AQ - Ground Water	**Date Received:**	03/12/12
Method:	SW846 8260B	**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 [a]	W29526.D	1	03/22/12	TN	n/a	n/a	VW1002
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		60-130%
2037-26-5	Toluene-D8	93%		60-130%
460-00-4	4-Bromofluorobenzene	96%		60-130%

(a) Sample vial contained more than 0.5cm of sediment. Sample was not preserved to the pH < 2.

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:	MW-3		
Lab Sample ID:	C20813-3	**Date Sampled:**	03/12/12
Matrix:	AQ - Ground Water	**Date Received:**	03/12/12
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	GG32672.D	1	03/15/12	JH	03/14/12	OP5580	GGG872
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0339	0.10	0.025	mg/l	J

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

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

ERSCAMP1307

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest NC Job #: C C20813

Client / Reporting Information

Company Name: Environmental Restoration Svc
Address: P.O. Box 2006
City: Menlo Park State: Ca Zip: 94026
Project Contact: B. Halsted
Phone #: 408-655-9434
Samplers's Name: Curtis Kilgore

Project Information

Project Name: Trans Term
Street: 15651 Worthley Dr.
City: San Lorenzo State: Ca
Project #:
EMAIL: envirest@aol.com
Client Purchase Order #:

Requested Analysis: TPH-d w/silica gel c/u; 8260 Fuel Scan; Dissolved Zinc

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; 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	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	TPH-d w/silica gel c/u	8260 Fuel Scan	Dissolved Zinc								LAB USE ONLY
1	mw-2	3-12-12	1115	ck	W	3	X								X	X									2-Via (S(w/HCl) 1-1Lt Amber w/HCl
2	mw-1	↓	1145	CK	↓	4	X								X	X	X			+1-Sdom poly NP					↓
3	mw-3	↓	1215	ck	↓	3	X								X	X									↓

Turnaround Time (Business days) — Approved By:/ Date:

- [ ] Standard TAT 15 Business Days
- [ ] 10 Day (Workload dependent)
- [x] 5 Day (Workload dependent)
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day *(200% markup)*
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [x] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Lab filter MW-1 sample immediatly for zinc analysis.

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Curtis Kilgore	3-12-12 12:50	1 Mike Moorefield	2		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; Labels match Coc (Y) / N; Headspace Y /(N); Separate Receiving Check List used (Y) / N; On Ice (Y) N	Cooler Temp. 2.4-0.4=2.0 °C

C20813: Chain of Custody
Page 1 of 2

Accutest Laboratories Northern California Sample Receiving Check List Job# : C20813 Initial: JM

Review Chain of Custody **Chain of Custody is to be complete and legible.**

- ☑ Are these regulatory (NPDES) samples? CWA — Yes / No
- ☑ Is pH requested? — Yes / No
  - ☐ Was Client informed that hold time is 15 min? Yes / No — Continue Yes / No
  - ☐ Was ortho-Phosphate filtered with in 15 min? Yes / No — Continue Yes / No
- ☑ Are sample within hold time? — Yes / No
  - Are sample in danger of exceeding hold-time — Yes / No
- ☑ Existing Client? Yes / No — Existing Project? Yes / No
  - **If No:** Is Report to info complete and legible, including;
    - ☐ deliverable ☐ Name ☐ Address ☐ phone ☐ e-mail
    - Is Bill to info complete and legible, including;
    - ☐ PO# ☐ Credit card ☐ Contact address ☐ phone ☐ e-mail
    - Is Contact and/or Project Manager identified, including;
    - ☐ phone ☐ e-mail
    - ☐ Project name / number
- ☑ Special requirements? — Yes / No
- ☑ Sample IDs / date & time of collection provided? — Yes / No
- ☑ Is Matrix listed and correct? — Yes / No
- ☑ Analyses listed, we do, or client has authorized a subcontract? — Yes / No
- ☑ Chain is signed and dated by both client and sample custodian? — Yes / No
- ☑ TAT requested available? Yes / No — Approved by PM

Review Coolers:

- ☑ Were all Coolers temperatures measured at ≤6°C? — Yes / No
  - If cooler is outside the ≤6°C; note down the affected bottles in that cooler on the left
- ☑ Are samples on Ice? — Yes / No

Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)

- ☑ Shipment Received Method walk In
- ☑ Custody Seals: Present: Yes / No — If Yes; Unbroken: Yes / No

Review of Sample Bottles: If you answer no, explain to the side

- ☑ Chain matches bottle labels? Yes / No — ☑ Sample bottle intact? Yes / No
- ☑ Is there enough sample volume in proper bottle for requested analyses? Yes / No
- ☑ Proper Preservatives? Yes / No
  - Check pH on preserved samples except 1664, 625, 8270 and VOAs; make notes on left.
- ☑ Headspace-VOAs? **Greater than 6mm in diameter** — Yes / No
  - **List sample ID and affected container**

Client Sample ID	pH Check	Other Comments/Issues

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\Accunca.accutest.com\depts\qa\sops\sop_completelist_2010\current_active_sop_oct_2010\sc001f1_0_form1_samplecontrol_samplereceivingchecklist_2009-01-01.doc

C20813: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

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: C20813
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
VW1002-MB	W29513.D	1	03/22/12	TN	n/a	n/a	VW1002

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	60-130%
2037-26-5	Toluene-D8	90%	60-130%
460-00-4	4-Bromofluorobenzene	88%	60-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C20813
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
VW1002-BS	W29510.D	1	03/22/12	TN	n/a	n/a	VW1002
VW1002-BSD	W29511.D	1	03/22/12	TN	n/a	n/a	VW1002

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.1	91	18.3	92	1	60-130/30
106-93-4	1,2-Dibromoethane	20	18.6	93	18.3	92	2	60-130/30
107-06-2	1,2-Dichloroethane	20	19.8	99	18.8	94	5	60-130/30
108-20-3	Di-Isopropyl ether	20	17.8	89	17.0	85	5	60-130/30
100-41-4	Ethylbenzene	20	17.6	88	18.0	90	2	60-130/30
637-92-3	Ethyl Tert Butyl Ether	20	19.4	97	18.4	92	5	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	18.7	94	17.9	90	4	60-130/30
994-05-8	Tert-Amyl Methyl Ether	20	19.2	96	18.0	90	6	60-130/30
75-65-0	Tert-Butyl Alcohol	100	81.9	82	76.3	76	7	60-130/30
108-88-3	Toluene	20	17.0	85	17.0	85	0	60-130/30
1330-20-7	Xylene (total)	60	54.2	90	54.9	92	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	97%	60-130%
2037-26-5	Toluene-D8	95%	90%	60-130%
460-00-4	4-Bromofluorobenzene	97%	95%	60-130%

Laboratory Control Sample Summary

Job Number: C20813
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
VW1002-LCS	W29512.D	1	03/22/12	TN	n/a	n/a	VW1002

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	117	94	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	60-130%
2037-26-5	Toluene-D8	96%	60-130%
460-00-4	4-Bromofluorobenzene	92%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C20813
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
C20839-3MS	W29522.D	1	03/22/12	TN	n/a	n/a	VW1002
C20839-3MSD	W29523.D	1	03/22/12	TN	n/a	n/a	VW1002
C20839-3	W29514.D	1	03/22/12	TN	n/a	n/a	VW1002

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	C20839-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.4	92	17.8	89	3	60-130/25
106-93-4	1,2-Dibromoethane	ND		20	20.0	100	18.8	94	6	60-130/25
107-06-2	1,2-Dichloroethane	ND		20	18.5	93	17.9	90	3	60-130/25
108-20-3	Di-Isopropyl ether	ND		20	17.4	87	16.7	84	4	60-130/25
100-41-4	Ethylbenzene	ND		20	18.3	92	17.6	88	4	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND		20	19.1	96	18.2	91	5	60-130/25
1634-04-4	Methyl Tert Butyl Ether	0.28	J	20	19.2	95	18.2	90	5	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND		20	18.9	95	18.0	90	5	60-130/25
75-65-0	Tert-Butyl Alcohol	ND		100	89.8	90	84.8	85	6	60-130/25
108-88-3	Toluene	ND		20	17.8	89	17.0	85	5	60-130/25
1330-20-7	Xylene (total)	ND		60	55.9	93	54.0	90	3	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C20839-3	Limits
1868-53-7	Dibromofluoromethane	97%	95%	95%	60-130%
2037-26-5	Toluene-D8	94%	91%	93%	60-130%
460-00-4	4-Bromofluorobenzene	99%	96%	94%	60-130%

Northern California ACCUTEST LABORATORIES

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: C20813
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
OP5580-MB	GG32621.D	1	03/14/12	JH	03/14/12	OP5580	GGG871

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.025	mg/l	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	81%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C20813
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
OP5580-BS	GG32622.D	1	03/14/12	JH	03/14/12	OP5580	GGG871
OP5580-BSD	GG32623.D	1	03/14/12	JH	03/14/12	OP5580	GGG871

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.677	68	0.760	76	12	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	74%	74%	45-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C20813
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
OP5580-MS	HH020981.D	1	03/15/12	JH	03/15/12	OP5580	GHH694
OP5580-MSD	HH020982.D	1	03/15/12	JH	03/15/12	OP5580	GHH694
C20865-2	GG32657.D	1	03/15/12	JH	03/15/12	OP5580	GGG872

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

C20813-1, C20813-2, C20813-3

CAS No.	Compound	C20865-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.684		1.89	2.34	88	2.75	109	16	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C20865-2	Limits
630-01-3	Hexacosane	73%	85%	58%	45-140%

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C20813
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4666
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/15/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51		
Arsenic	10	.7	.65		
Barium	200	.4	.35		
Beryllium	5.0	.2	.4		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15		
Calcium	5000	7.1	12		
Chromium	10	.3	.41		
Cobalt	5.0	.2	.3		
Copper	10	1.2	3		
Iron	200	6.4	12		
Lead	10	.7	.85		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22		
Nickel	5.0	.2	.12		
Potassium	10000	18	44		
Selenium	10	1.8	2.2		
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47		
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54		
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3		
Zinc	20	.3	4.2	0.80	<20

Associated samples MP4666: C20813-2F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C20813
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4666 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/15/12

Metal	C20877-1 Original MS		Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium					
Beryllium	anr				
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	anr				
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium					
Zinc	109	633	500	104.8	75-125

Associated samples MP4666: C20813-2F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C20813
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4666 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/15/12

Metal	C20877-1 Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	109	639	500	106.0	0.9	20

Associated samples MP4666: C20813-2F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C20813
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4666
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/15/12

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	531	500	106.2	80-120

Associated samples MP4666: C20813-2F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C20813
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4666 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/15/12

Metal	C20877-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc	109	108	1.5	0-10

Associated samples MP4666: C20813-2F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Northern California ACCUTEST LABORATORIES

04/25/12

Technical Report for

Environmental Restoration Services

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

Accutest Job Number: C21384

Sampling Date: 04/17/12

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: **18**

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.

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)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5

Table of Contents

-1-

Accutest Laboratories

Sample Summary

Environmental Restoration Services

Job No: C21384

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C21384-1	04/17/12	10:05	CK	04/17/12	AQ	Ground Water	PITGW4-17
C21384-1F	04/17/12	10:05	CK	04/17/12	AQ	Groundwater Filtered	PITGW4-17

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: PITGW4-17
Lab Sample ID: C21384-1 **Date Sampled:** 04/17/12
Matrix: AQ - Ground Water **Date Received:** 04/17/12
Method: SW846 8270C 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	Y14927.D	1	04/18/12	MT	04/18/12	OP5813	EY677
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	4.7	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		25-100%
321-60-8	2-Fluorobiphenyl	80%		25-106%
1718-51-0	Terphenyl-d14	86%		35-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	PITGW4-17		
Lab Sample ID:	C21384-1F	**Date Sampled:**	04/17/12
Matrix:	AQ - Groundwater Filtered	**Date Received:**	04/17/12
		Percent Solids:	n/a
Project:	Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Cadmium	< 2.0	2.0	ug/l	1	04/20/12	04/22/12	RS	SW846 6010B [1]	SW3010A [2]
Chromium	< 10	10	ug/l	1	04/20/12	04/22/12	RS	SW846 6010B [1]	SW3010A [2]
Lead	< 10	10	ug/l	1	04/20/12	04/22/12	RS	SW846 6010B [1]	SW3010A [2]
Nickel	< 5.0	5.0	ug/l	1	04/20/12	04/22/12	RS	SW846 6010B [1]	SW3010A [2]
Zinc	39.2	20	ug/l	1	04/20/12	04/22/12	RS	SW846 6010B [1]	SW3010A [2]

(1) Instrument QC Batch: MA2465
(2) Prep QC Batch: MP4841

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

EKSCAMP1307

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest NC Job #: C C21384

Client / Reporting Information

Company Name: Environmental Restoration Services
Address: P.O. Box 2006
City: Menlo Park State: Ca Zip: 94026
Project Contact: B. Halsted
Phone #: 408-655-9434
Sampler's Name: Curtis Kilgore

Project Information

Project Name: Trans. Term.
Street: 15651 Worthley Dr
City: San Lorenzo State: Ca
Project #:
EMAIL: enviresteaol.com
Client Purchase Order #:

Requested Analysis

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

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	Dissolved Zinc WET 5 metals (LAB-FILTER)	Naphthalene By (8270)	LAB USE ONLY
-1	P-tGW4-17	4-17-12	1025	ek	w	2					2				X	X	

Turnaround Time (Business days)

Approved By/ Date:

- [ ] 10 Day
- [X] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [X] Commercial "B" - Results with QC summaries
- [X] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID:
- Provide EDF Logcode:

Comments / Remarks

Immediately Filter & Preserve sample
Hold one liter amber bottle

250mL HDPE N/P
1-Liter Amber N/P

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Curtis Kilgore	4-17-12 13:55	1	2	11:55 4-17-12	2
3			3	4		4
5			5			

Custody Seal #

Appropriate Bottle / Preservative Y/N
Labels match Container Y N
Headspace Y/N N/A
Separate Receiving Check List used Y N
On Ice Y N
Cooler Temp. 20.8-0.4=20.4 °C

C21384: Chain of Custody
Page 1 of 2

Accutest Laboratories Northern California Sample Receiving Check List

Job# : C21384 Initial: EK

Review Chain of Custody — **Chain of Custody is to be complete and legible.**

- ✓Are these regulatory (NPDES) samples? CWA — Yes / No
- ✓Is pH requested? — Yes / No
  - □ Was Client informed that hold time is 15 min? Yes / No — Continue Yes / No
  - □ Was ortho-Phosphate filtered with in 15 min? Yes / No — Continue Yes / No
- ✓Are sample within hold time? — Yes / No
  - Are sample in danger of exceeding hold-time — Yes / No
- ✓Existing Client? Yes / No — Existing Project? Yes / No
  - If No: Is Report to info complete and legible, including;
    - □ deliverable □ Name □ Address □ phone □ e-mail
    - Is Bill to info complete and legible, including;
    - □ PO# □ Credit card □ Contact address □ phone □ e-mail
    - Is Contact and/or Project Manager identified, including;
    - □ phone □ e-mail
    - □ Project name / number
- ✓Special requirements? — Yes / No
- ✓Sample IDs / date & time of collection provided? — Yes / No
- ✓Is Matrix listed and correct? — Yes / No
- ✓Analyses listed, we do, or client has authorized a subcontract? — Yes / No
- ✓Chain is signed and dated by both client and sample custodian? — Yes / No
- ✓TAT requested available? Yes / No — Approved by PM

Review Coolers: Samples Dropped off Straight from field.

- ✓Were all Coolers temperatures measured at ≤6°C? — Yes / No
  - If cooler is outside the ≤6°C; note down the affected bottles in that cooler on the left
- ✓Are samples on Ice? — Yes / No

Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)

- ✓Shipment Received Method Walk In
- ✓Custody Seals: Present: Yes / No — If Yes; Unbroken: Yes / No

Review of Sample Bottles: If you answer no, explain to the side

- ✓Chain matches bottle labels? Yes / No — ✓Sample bottle intact? Yes / No
- ✓Is there enough sample volume in proper bottle for requested analyses? Yes / No
- □ Proper Preservatives? Yes / No
  - Check pH on preserved samples except 1664, 625, 8270 and VOAs; make notes on left.
- □ Headspace-VOAs? **Greater than 6mm in diameter** — Yes / No
  - **List sample ID and affected container**

Client Sample ID	pH Check	Other Comments~~Issues~~
		Dissolved metals: Lab-Filtered & preserved In Lab. for WFT5 metals
		* WFT 5 metals and Naphthalene added as per BH. (EK) 4-17-12

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\Accunca.accutest.com\depts\qa\sops\sop_completelist_2010\current_active_sop_oct_2010\sc001f1_0_form1_samplecontrol_samplereceivingchecklist_2009-01-01.doc

C21384: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS 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: C21384
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
OP5813-MB	Y14929.D	1	04/18/12	MT	04/18/12	OP5813	EY677

The QC reported here applies to the following samples: **Method:** SW846 8270C

C21384-1

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	80%	25-100%
321-60-8	2-Fluorobiphenyl	80%	25-106%
1718-51-0	Terphenyl-d14	87%	35-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C21384
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
OP5813-BS	Y14922.D	1	04/18/12	MT	04/18/12	OP5813	EY677
OP5813-BSD	Y14923.D	1	04/18/12	MT	04/18/12	OP5813	EY677

The QC reported here applies to the following samples: **Method:** SW846 8270C

C21384-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	25	24.4	98	24.5	98	0	20-104/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	83%	84%	25-100%
321-60-8	2-Fluorobiphenyl	81%	82%	25-106%
1718-51-0	Terphenyl-d14	85%	92%	35-130%

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C21384
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4841
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/20/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51		
Arsenic	10	.7	.65		
Barium	200	.4	.35		
Beryllium	5.0	.2	.4		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	0.40	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	-0.40	<10
Cobalt	5.0	.2	.3		
Copper	10	1.2	3		
Iron	200	6.4	12		
Lead	10	.7	.85	0.10	<10
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22		
Nickel	5.0	.2	.12	-0.70	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2		
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47		
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54		
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3		
Zinc	20	.3	4.2	1.1	<20

Associated samples MP4841: C21384-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C21384
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4841
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/20/12

Metal	C21358-2F Original	MS	Spikelot MPIR4	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Boron	anr				
Cadmium	0.80	524	500	104.7	75-125
Calcium	anr				
Chromium	0.90	503	500	100.4	75-125
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	2.3	489	500	97.8	75-125
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	94.1	598	500	102.9	75-125
Potassium	anr				
Selenium	anr				
Silicon	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	18.1	532	500	103.3	75-125

Associated samples MP4841: C21384-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C21384
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4841 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 04/20/12

Metal	C21358-2F Original	MSD	Spikelot MPIR4	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron	anr					
Cadmium	0.80	525	500	104.9	0.2	20
Calcium	anr					
Chromium	0.90	502	500	100.2	0.2	20
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	2.3	488	500	97.6	0.2	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	94.1	596	500	102.5	0.3	20
Potassium	anr					
Selenium	anr					
Silicon	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	18.1	529	500	102.7	0.6	20

Associated samples MP4841: C21384-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C21384
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4841
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			04/20/12					04/20/12	
Metal	BSP Result	Spikelot MPIR4	% Rec	QC Limits	BSD Result	Spikelot MPIR4	% Rec	BSD RPD	QC Limit
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron	anr								
Cadmium	496	500	99.2	80-120	489	500	97.8	1.4	
Calcium	anr								
Chromium	498	500	99.6	80-120	492	500	98.4	1.2	
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	485	500	97.0	80-120	477	500	95.4	1.7	
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	481	500	96.2	80-120	473	500	94.6	1.7	
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	516	500	103.2	80-120	508	500	101.6	1.6	

Associated samples MP4841: C21384-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C21384
Account: ERSCAMP - Environmental Restoration Services
Project: Trans. Terminals - 15651 Worthley Drive, San Lorenzo, CA

QC Batch ID: MP4841 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 04/20/12

Metal	C21358-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron	anr			
Cadmium	0.700	0.00	100.0(a)	0-10
Calcium	anr			
Chromium	1.40	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	105	76.1	8.6	0-10
Potassium	anr			
Selenium	anr			
Silicon	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	19.0	16.6	7.8	0-10

Associated samples MP4841: C21384-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).