



PORT OF OAKLAND



Alameda County
NOV 18 2002
Environmental Health

November 13, 2002

Mr. Barney Chan
Alameda County Health Care Services Agency
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

**Subject: 801 Maritime Street UST Site
Oakland, California
STID #3780**

Dear Mr. Chan:

Please find enclosed a report prepared on the behalf of the Port of Oakland by Harding ESE titled, *Third Quarter 2002 Groundwater Monitoring Report, 801 Maritime Street, Oakland, California*. Should you have any questions, regarding the report, please contact the undersigned at (510) 627-1373.

Sincerely,

John Prall, R.G.

Associate Environmental Scientist

Enclosure

Cc: Jeff Jones

NOV 18 2002 5:22 PM

**Alameda County
NOV 18 2002
Environmental Health**

November 4, 2002

54821.2

Mr. John Prall
Associate Environmental Scientist
Port of Oakland
530 Water Street
Oakland, California 94607

**Third Quarter 2002 Groundwater Monitoring Report
801 Maritime Street
Oakland, California**

Dear Mr. Prall:

Harding ESE, Inc. (Harding ESE) has prepared this Groundwater Monitoring and Sampling Report on behalf of the Port of Oakland for the groundwater monitoring and sampling performed on October 17, 2002 at the 801 Maritime Street site in Oakland, California. A site location map is shown on Plate 1.

The scope of work included collecting a groundwater sample from MW-1 and testing the groundwater sample for Total Petroleum Hydrocarbons as gasoline (TPH-g) and diesel (TPH-d), benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl t-butyl ether (MTBE), and total dissolved solids (TDS).

Monitoring well MW-1 is located in the vicinity of three former underground storage tanks (USTs) removed from the site in February 1989. The USTs included two 10,000-gallon tanks (CF-06 and CF-35) and one 20,000-gallon tank (CF-07).

GROUNDWATER SAMPLING

Harding ESE performed the monitoring and sampling on October 17, 2002. Prior to purging and sampling the monitoring well, Harding ESE measured the depth to groundwater below the top of the well casing with an electric water level indicator. After measuring the depth to water, Harding ESE purged the well using a PVC bailer. Conductivity, pH, and temperature were monitored periodically during purging. Harding ESE collected the groundwater samples after removing a minimum of three well-casing volumes of water and when the conductivity, pH, and temperature measurements had stabilized. The depths to groundwater and field parameter measurements were recorded on a Groundwater Sampling Form. The purge water was stored in the product recovery tank at the nearby 2277 7th Street facility.

Harding ESE collected groundwater samples from the monitoring well using a disposable bailer and then transferred the groundwater into laboratory-provided containers. Sample containers were labeled with the sample number, date and time of collection, and sampler's initials, then placed in an insulated cooler with

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Mr. John Prall
Associate Environmental Scientist
Port of Oakland
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ice. The samples were delivered under chain-of-custody protocol to STL San Francisco, a California certified analytical laboratory.

MONITORING WELL GROUNDWATER LEVEL

Depth to water data is summarized in Table 1. The top of casing elevation was re-surveyed after the retrofit activities in April 2001. The groundwater elevation was 6.41 in October 2002, similar to the measured groundwater elevation in June 2002.

LABORATORY ANALYSIS GROUNDWATER SAMPLES

STL San Francisco performed the chemical analyses of the groundwater samples using the following analytical methods:

- Total petroleum hydrocarbons as gasoline (TPHg) in accordance with EPA Method 8015 modified.
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl t-butyl ether (MTBE) in accordance with EPA Method 8020B.
- TPH as diesel (TPHd) in accordance with EPA Method 8015 modified following a silica-gel cleanup procedure.
- Total dissolved solids (TDS) by EPA method 160.1.

The laboratory results for the groundwater sample are summarized in Table 2, and are shown on Plate 2. Copies of the laboratory results, chromatograms, and chain-of-custody are provided in Appendix A.

FINDINGS

The results of the October 17, 2002 groundwater monitoring and sampling of MW-1 are summarized below:

- TPHg was detected at a concentration of 140 µg/L.
- TPHd was detected at a concentration of 93 µg/L.
- Benzene, toluene, ethylbenzene, and xylenes were detected at concentrations of 9.1 µg/L, 4.9 µg/L, 2.3 µg/L, and 9.4 µg/L, respectively.
- MTBE was not detected above the reporting limit of 5.0 µg/L.
- TDS was reported at a concentration of 2,000 mg/L.

November 4, 2002
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Mr. John Prall
Associate Environmental Scientist
Port of Oakland
Page 3

CLOSURE

We trust that this provides the information required at this time. If you have any questions or need additional information, please contact Trish Eliasson at (510) 451-1001.

Yours very truly,

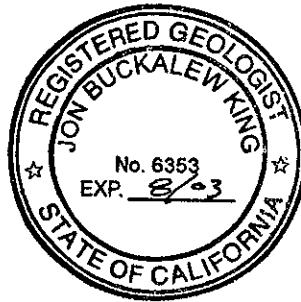
Harding ESE, Inc.



Trish A. Eliasson
Senior Staff Engineer



Buck King, RG, CHG
Senior Project Hydrogeologist



Llv-BK/TAE/mlb:MB59258-Oakland

Attachments: Table 1 – Groundwater Elevations
Table 2 – Summary of Laboratory Results
Plate 1 – Site Location Map
Plate 2 – Laboratory Results, October 17, 2002
Appendix A - Laboratory Reports

TABLES

**Table 1. Groundwater Elevations
801 Maritime Street
Oakland, California**

Monitoring Well ID	Date of Monitoring	Top of Casing Elevation (feet)	Measured Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (feet)
MW-1	7/10/1996 ¹	13.81 ²	7.36	-	6.45 (3.25)
	12/27/1996 ⁴	(10.61) ²	7.55	-	6.26 (3.06)
	3/25/1997 ⁴	(10.61) ²	7.31	-	6.50 (3.30)
	6/23/1997 ⁴	(10.61) ²	7.55	-	6.26 (3.06)
	9/30/1997 ⁴	13.55 ³	7.46	-	6.09
	12/31/1997 ⁴	13.55	7.17	-	6.38
	4/17/01	14.18 ⁵	7.59	-	6.59
	7/26/01	14.18 ⁶	7.65	-	6.53
	10/21/01	14.18	7.71	-	6.47
	3/13/02	14.18	7.52	-	6.66
	6/21/02	14.18	7.6	-	6.58
	10/17/02	14.18	7.77	-	6.41

Notes:

- 1 Data from Table 2, Summary of Results of Groundwater Sampling, Port of Oakland Tanks CF-06, CF-07, and CF-35, 801 Maritime Street, Oakland, California, dated August 7, 1996, by Alisto Engineering Group.
- 2 Elevation data corrected relative to Port of Oakland datum: elevation data in parentheses referenced to mean sea level.
- 3 Top of casing cut and resurveyed on September 30, 1997 relative to Port of Oakland datum.
- 4 Data from Table 2, Summary of Laboratory Results, 801 Maritime Street, Oakland, California, dated March 3, 1998 by Innovative Technical Solutions, Inc.
- 5 Top of casing elevation changed due to retrofitting activities on April 17, 2001.
- 6 Elevation remeasured in 2001 after retrofitting activities on April 17, 2001. Relative to Port of Oakland datum.

**Table 2. Summary of Laboratory Results
801 Maritime Street
Oakland, California**

Monitoring Well ID	Date of Sampling	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPHd (µg/L)	TDS (mg/L)
MW-1	7/10/1996 ¹	180	27	14	5.4	23	-	7,100	-
	12/27/1996 ²	180	30	15	5.8	26	-	670	-
	3/25/1997 ²	180	21	11	4	17	-	19	1,840
	6/23/1997 ²	170	20	11	4.1	18	-	3,000	1,320
	9/30/1997 ^{2,3}	190	35	17	5.2	22	-	830	2,020
	12/31/1997 ^{2,3}	130	26	14	4.3	18	-	<48	1,880
	4/17/01	160	11	6.2	2.6	6.8 (m,p-) 4.4 (o-)	ND(2.0)	59 ⁴	1,860
	7/26/01	130	17	8.7	3.2	8.7 (m,p-) 5.5 (o-)	ND(2.0)	ND(50)	1,880
	12/21/01	160	14	6.9	2.6	7.3 (m,p-) 4.2 (o-)	ND(2.0)	ND(100)	1,860
	3/13/02	100	8.5	4.2	1.3	7.3	ND(5.0)	ND(50)	1100
	6/21/02	120	14	7.1	3.1	13	ND(5.0)	ND(50)	2000
	10/17/02	140	9.1	4.9	2.3	9.4	ND(5.0)	93 ⁴	2000

Notes:

TPHg = Total petroleum hydrocarbons (TPH) as gasoline

MTBE= Methyl t-butyl ether

TPHd = TPH as diesel

TDS = Total dissolved solids

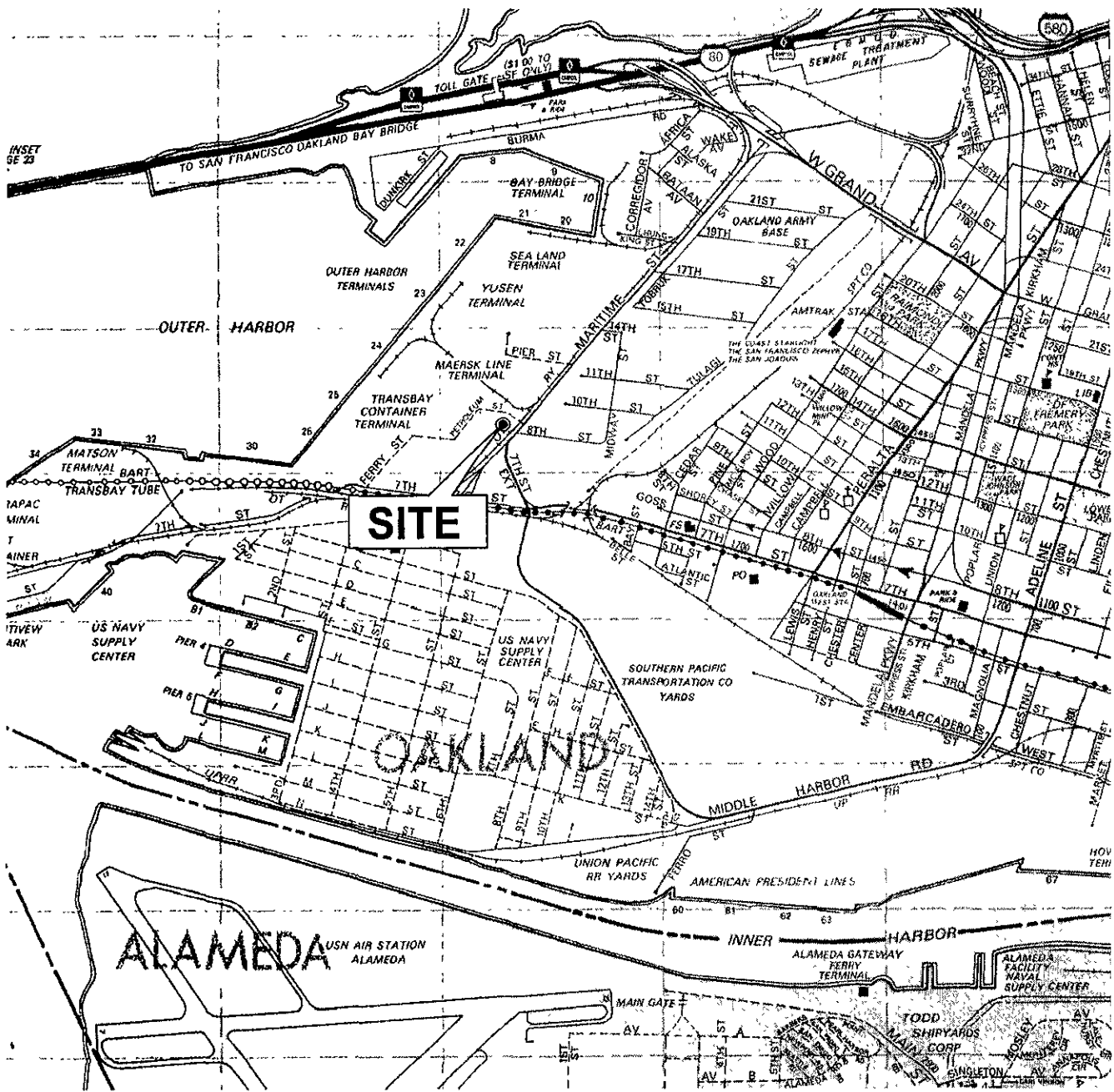
ND= Not Detected above reporting limit shown in parentheses.

(m,p-) = m,p-Xylenes

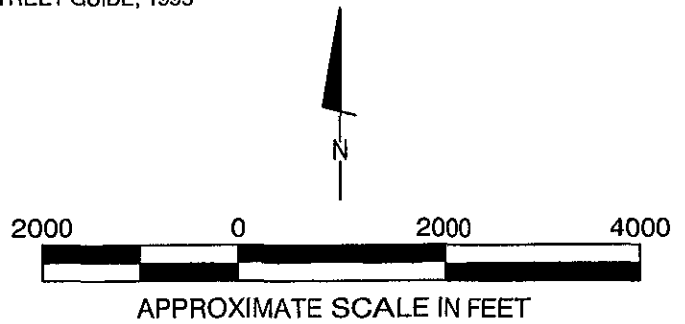
(o-) = o-Xylenes

- 1 Data from Table 2, Summary of Results of Groundwater Sampling, Port of Oakland Tanks CF-06, CF-07, and CF-35. 801 Maritime Street, Oakland, California, dated August 7, 1996, by Alisto Engineering Group.
- 2 Data from Table 2, Summary of Laboratory Results, 801 Maritime Street, Oakland, California, dated March 3, 1998 by Innovative
- 3 Laboratory results represent the highest concentrations reported for either the sample or field duplicate sample (QC-1).
- 4 Results exhibit fuel pattern not resembling standard

PLATES



SOURCE: THOMAS BROTHERS ALAMEDA/CONTRA COSTA COUNTIES STREET GUIDE; 1995



Vicinity Map
801 Maritime Street
Oakland, California
Port of Oakland

PLATE

1

DRAWN
SS

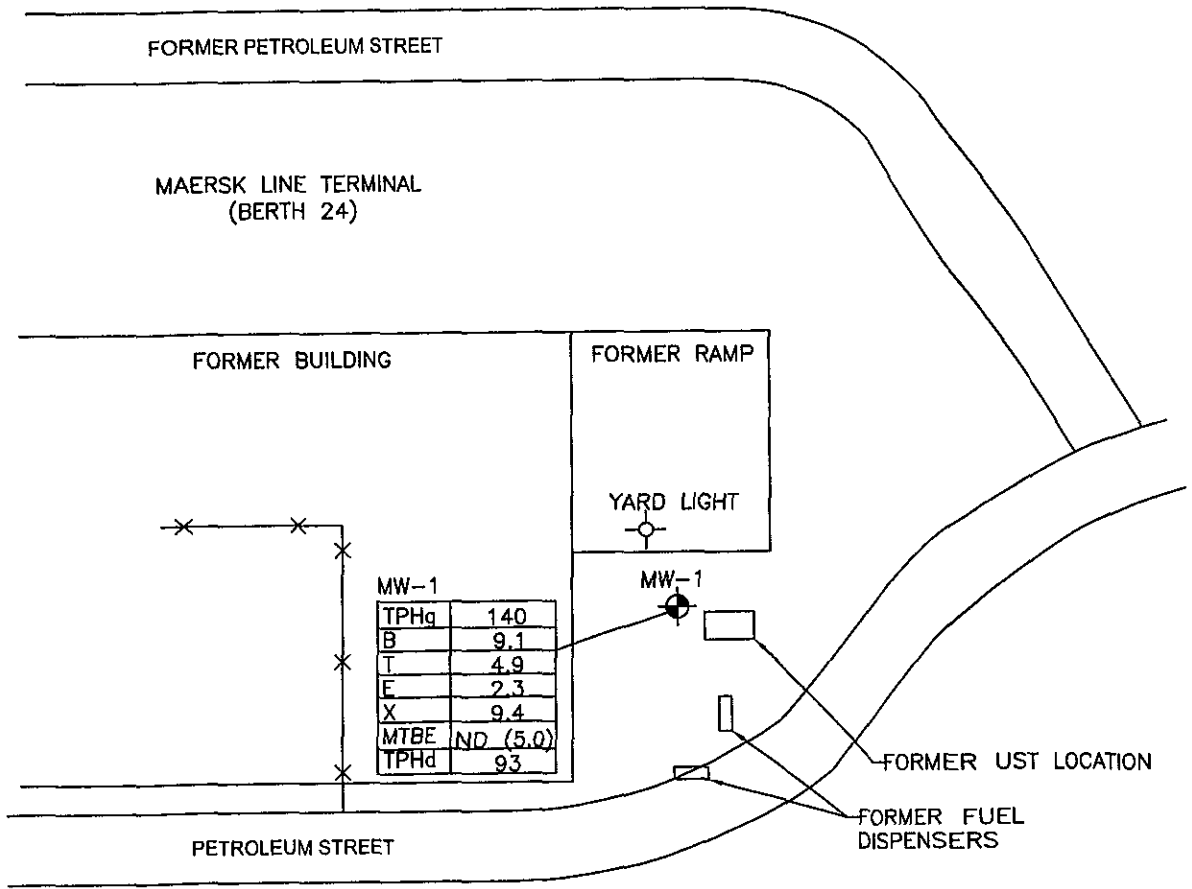
JOB NUMBER
54821.2

APPROVED

DATE
10/02

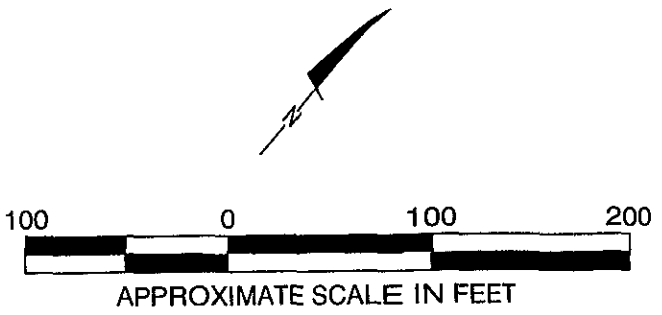
REVISED DATE

10
54821.001.DWG
2002.10.30.1121



LEGEND

- MW-1 MONITORING WELL
- TPHg TPH AS GASOLINE (in µg/L)
- B BENZENE (in µg/L)
- T TOUENE (in µg/L)
- E ETHYLBENZENE (in µg/L)
- X XYLENES (in µg/L)
- MTBE METHYL T-BUYTL ETHER (in µg/L)
- TPHd TPH AS DIESEL (in µg/L)



54821016.DWG
20021104,1615
1.0



Laboratory Results for Petroleum Hydrocarbons
 October 17, 2002
 801 Maritime Street
 Oakland, California
 Port of Oakland

PLATE
2

APPENDIX A
LABORATORY REPORT

Submission#: 2002-10-0425

October 28, 2002

SEVERN

TRENT

LABORATORY

Harding ESE, Inc.

600 Grand Ave, Suite 300

Oakland, CA 94607

Attn.: Trish Eliasson

Project#: 54821.2

Project: 801 Martime (Beth 24)

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

Tel.: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#:2496

Attached is our report for your samples received on 10/18/2002 18:10

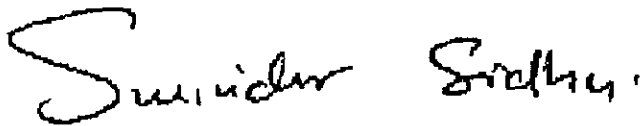
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/02/2002 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: ssidhu@chromalab.com

Sincerely,



Surinder Sidhu
Project Manager

Submission #: 2002-10-0425

Total Dissolved Solids (TDS)

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/17/2002 14:05	Water	1

Submission #: 2002-10-0425

Total Dissolved Solids (TDS)

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

SEVERN

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1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	160.1	Test(s):	160.1
Sample ID:	MW-1	Lab ID:	2002-10-0425 - 1
Sampled:	10/17/2002 14:05	Extracted:	10/22/2002 00:00
Matrix:	Water	QC Batch#:	2002/10/22-01.28

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TDS	2000	10	mg/L	1.00	10/23/2002 09:23	

Submission #: 2002-10-0425

Total Dissolved Solids (TDS)

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

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Pleasanton, CA 94566

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Fax: (925) 484-1096
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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 160.1

Method Blank

MB: 2002/10/22-01.28-001

Water

Test(s): 160.1

QC Batch # 2002/10/22-01.28

Date Extracted: 10/22/2002 05:48

Compound	Conc.	RL	Unit	Analyzed	Flag
TDS	ND	10	mg/L	10/23/2002 09:13	

Submission #: 2002-10-0425

Total Dissolved Solids (TDS)

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

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Pleasanton, CA 94566

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Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 160.1

Test(s): 160.1

Laboratory Control Spike

Water

QC Batch # 2002/10/22-01.28

LCS 2002/10/22-01.28-002

Extracted: 10/22/2002

Analyzed: 10/23/2002 09:15

LCSD 2002/10/22-01.28-003

Extracted: 10/22/2002

Analyzed: 10/23/2002 09:17

Compound	Conc. mg/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TDS	1080	1050	1000	108.0	105.0	2.8	80-120	20		

Submission #: 2002-10-0425

Gas/BTEX Compounds by 8015M/8021

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

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Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/17/2002 14:05	Water	1

Submission #: 2002-10-0425

Gas/BTEX Compounds by 8015M/8021

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Maritime (Beth 24)

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Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5030	Test(s): 8021B
5030	8015M
Sample ID: MW-1	Lab ID: 2002-10-0425 - 1
Sampled: 10/17/2002 14:05	Extracted: 10/25/2002 12:28
Matrix: Water	QC Batch#: 2002/10/25-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	140	50	ug/L	1.00	10/25/2002 12:28	
Benzene	9.1	0.50	ug/L	1.00	10/25/2002 12:28	
Toluene	4.9	0.50	ug/L	1.00	10/25/2002 12:28	
Ethyl benzene	2.3	0.50	ug/L	1.00	10/25/2002 12:28	
Xylene(s)	9.4	0.50	ug/L	1.00	10/25/2002 12:28	
MTBE	ND	5.0	ug/L	1.00	10/25/2002 12:28	
Surrogates(s)						
Trifluorotoluene	99.3	58-124	%	1.00	10/25/2002 12:28	
4-Bromofluorobenzene-FID	82.8	50-150	%	1.00	10/25/2002 12:28	

Submission #: 2002-10-0425

Gas/BTEX Compounds by 8015M/8021

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

**SEVERN
TRENT
LABORATORY**

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2002/10/25-01.05-003

Water

Test(s): 8015M

QC Batch # 2002/10/25-01.05

Date Extracted: 10/25/2002 08:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/25/2002 08:25	
Benzene	ND	0.5	ug/L	10/25/2002 08:25	
Toluene	ND	0.5	ug/L	10/25/2002 08:25	
Ethyl benzene	ND	0.5	ug/L	10/25/2002 08:25	
Xylene(s)	ND	0.5	ug/L	10/25/2002 08:25	
MTBE	ND	5.0	ug/L	10/25/2002 08:25	
Surrogates(s)					
Trifluorotoluene	107.4	58-124	%	10/25/2002 08:25	
4-Bromofluorobenzene-FID	88.6	50-150	%	10/25/2002 08:25	

Submission #: 2002-10-0425

Gas/BTEX Compounds by 8015M/8021

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

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801 Maritime (Beth 24)

Received: 10/18/2002 18:10

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2002/10/25-01.05

LCS 2002/10/25-01.05-004

Extracted: 10/25/2002

Analyzed: 10/25/2002 08:57

LCSD 2002/10/25-01.05-005

Extracted: 10/25/2002

Analyzed: 10/25/2002 09:29

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	95.4	94.6	100.0	95.4	94.6	0.8	77-123	20		
Toluene	94.9	94.3	100.0	94.9	94.3	0.6	78-122	20		
Ethyl benzene	97.5	94.8	100.0	97.5	94.8	2.8	70-130	20		
Xylene(s)	294	285	300	98.0	95.0	3.1	75-125	20		
Surrogates(s)										
Trifluorotoluene	524	535	500	104.8	107.0		58-124			

Submission #: 2002-10-0425

Gas/BTEX Compounds by 8015M/8021

Harding ESE, Inc.

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600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

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Fax: (925) 484-1096
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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/10/25-01.05

LCS 2002/10/25-01.05-006

Extracted: 10/25/2002

Analyzed: 10/25/2002 10:02

LCSD 2002/10/25-01.05-007

Extracted: 10/25/2002

Analyzed: 10/25/2002 10:34

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	510	530	500	102.0	106.0	3.8	75-125	20		
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	457	465	500	91.4	93.0		50-150			

Submission #: 2002-10-0425

TEPH w/ Silica Gel Clean-up

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2
801 Martime (Beth 24)

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Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/17/2002 14:05	Water	1

Submission #: 2002-10-0425

TEPH w/ Silica Gel Clean-up

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

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LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-1

Lab ID: 2002-10-0425 - 1

Sampled: 10/17/2002 14:05

Extracted: 10/21/2002 05:43

Matrix: Water

QC Batch#: 2002/10/21-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	93	50	ug/L	1.00	10/21/2002 12:41	ndp
Surrogates(s) o-Terphenyl	88.4	60-130	%	1.00	10/21/2002 12:41	

Submission #: 2002-10-0425

TEPH w/ Silica Gel Clean-up

Harding ESE, Inc.

Attn.: Trish Eliasson

600 Grand Ave, Suite 300

Oakland, CA 94607

Phone: (510) 628-3240 Fax: (510) 451-3165

Project: 54821.2

801 Martime (Beth 24)

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2002/10/21-02.10-001

Water

Test(s): 8015M

QC Batch # 2002/10/21-02.10

Date Extracted: 10/21/2002 05:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/21/2002 17:02	
Surrogates(s) o-Terphenyl	78.7	60-130	%	10/21/2002 17:02	

Submission #: 2002-10-0425

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2002/10/21-02.10

LCS 2002/10/21-02.10-002

Extracted: 10/21/2002

Analyzed: 10/21/2002 15:48

LCSD 2002/10/21-02.10-003

Extracted: 10/21/2002

Analyzed: 10/21/2002 16:25

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	791	840	1250	63.3	67.2	6.0	60-130	25		
Surrogates(s) o-Terphenyl	16.7	17.1	20.0	83.5	85.4		60-130	0		

Submission #: 2002-10-0425

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard