

CALTRANS - MAINTENANCE DEPARTMENT

FACSIMILE TRANSMITTAL SHEET

TO: E Leve	FROM: M Hilliard
FAX NUMBER: (510) 337-9335	DATE: 2-5-98
COMPANY: ALA Co EHS	TOTAL NO. OF PAGES INCLUDING COVER: 9
PHONE NUMBER: 567-6771	SENDER'S REFERENCE NUMBER:
RE: WATER ANALYSIS - EAST BAY PAINT YARD	YOUR REFERENCE NUMBER:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:

EAST BAY PAINT UST Removal
WATER ANALYSIS.

Please review the data - should there
be further questions regarding this
matter call me

Thanks

MATT
Caltrans - Office of Maint
Services
(510) 286-4435



*Send
to me on file*

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

**DHS TPH LUFT as Diesel
Analysis Report**

Attention: Mr. Gary Smith
Bradley Environmental
5175-B Hillsdale Circle
El Dorado Hills, CA 95762

Date Sampled: Jan 29, 1998
Date Received: Jan 30, 1998
Date Requested: Feb 2, 1998
Date Analyzed: Feb 4, 1998
Invoice #: 9054JAN98

Project #: 7378
Project Name: East Bay Paint

Client ID: Baker Tank Composite
LAB ID: 9054-003A

Matrix: ~~TPH Diesel~~
Dilution: 1 : 1

Name	Amount	Reporting Limit	Units
TPH Diesel	5000*	50	ug/l

ppb = parts per billion = ug/l = micrograms per liter
ppm = parts per million = ug/ml = micrograms per milliliter
40 = not detected. Compound(s) may be present at concentrations below the detection limit.
* TPH Diesel is Weathered.

R. L. James
R. L. James, Principal Chemist

Feb 4, 1998
Date Reported

SPARGER TECHNOLOGY ANALYTICAL LABORATORY, INC IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(CERCLA/RCRA No. 1914)

8015003

3050 Fite Circle, Suite 112 • Sacramento, California 95827 • (916) 362-8947 • FAX (916) 362-0947



Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Salinity Analysis Report

Attention:	Mr. Gary Smith Bradley Environmental 5175-B Hillsdale Circle El Dorado Hills, CA 95762	Date Sampled:	Jan 29, 1998
		Date Received:	Jan 30, 1998
		Date Requested:	Feb 2, 1998
		Date Analyzed:	Feb 3, 1998
		Invoice #:	9054JAN98
Project #:	7379	Project Name:	East Bay Paint
Client ID:	Baker Tank Composite	LAB ID:	9054-004A
Matrix:	Water	Dilution:	

	Amount	Reporting limit	Detection Limit
Salinity	77	0 C100	ppt

ppt = parts per thousand
N.A. = Not Applicable
N.D. = Not Detected Compound(s) may be present in concentrations below the detection limit
N.R. = not required

for Chris McKinstry
Chlorides, Inorganics Supervisor

Feb 4, 1998
Date Reported

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA Method 624 GCMS Analysis Report

Attention: Mr. Gary Smith
Bradley Environmental
5175-B Hillside Circle
El Dorado Hills, CA 95762

Date Sampled: Jan 29, 1998
Date Received: Jan 30, 1998
Date Requested: Feb 2, 1998
Date Analyzed: Feb 3, 1998
Invoice #: 9054JAN98

Project #: 7379

Project Name: East Bay Paint

Client ID: Baker Tank Composite

LAB ID: 9054-002A

Matrix: Water

Dilution: 1: 1

Name	Concentration	Reporting Limit	Units
1.) 1,1 - Dichloroethane	ND	5.0	ug/l
2.) 1,1 - Dichloroethene	ND	5.0	ug/l
3.) 1,1,1 - Trichloroethane	ND	5.0	ug/l
4.) 1,1,2 - Trichloroethane	ND	5.0	ug/l
5.) 1,1,2,2 - Tetrachloroethane	ND	5.0	ug/l
6.) 1,2 - Dichloroethane	ND	5.0	ug/l
7.) cis - 1,2 - Dichloroethene	ND	5.0	ug/l
8.) 1,2 - Dichloropropane	ND	5.0	ug/l
9.) trans - 1,2 - Dichloroethene	ND	10	ug/l
10.) 2 - Butanone	ND	10	ug/l
11.) 2 - Hexanone	ND	10	ug/l
12.) 4 - Methyl - 2 - pentanone	ND	25	ug/l
13.) Acetone	ND	5.0	ug/l
14.) Benzene	ND	5.0	ug/l
15.) Bromodichloromethane	ND	5.0	ug/l
16.) Bromoform	ND	5.0	ug/l
17.) Bromomethane	ND	5.0	ug/l
18.) Carbon disulfide	ND	5.0	ug/l
19.) Carbon tetrachloride	ND	5.0	ug/l
20.) Chlorobenzene	ND	5.0	ug/l
21.) Chloroethane	ND	5.0	ug/l
22.) Chloroform	ND	5.0	ug/l
23.) Chloromethane	ND	5.0	ug/l
24.) cis - 1,3 - Dichloropropene	ND	5.0	ug/l
25.) Dibromochloromethane	ND	5.0	ug/l

ppb - parts per billion = ug/l = micrograms per liter

ppm - parts per million = ug/ml = micrograms per milliliter

ND - Not Detected. Compounds may be present at concentrations below the reporting limit.

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Page 2 of 2

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA Method 624 GCMS Analysis Report

Attention: Mr. Gary Smith
Bradley Environmental
5175-B Hillside Circle
El Dorado Hills, CA 95762

Date Sampled: Jan 29, 1998
Date Received: Jan 30, 1998
Date Requested: Feb 2, 1998
Date Analyzed: Feb 3, 1998
Invoice #: 9054JAN98

Project #: 7379

Project Name: East Bay Point

Client ID: Baker Tank Composite

LAB ID: 9054-002A

Matrix: Water

Dilution: 1: 1

Name	Concentration	Reporting Limit	Units
26.) Ethyl benzene	ND	5.0	ug/l
27.) Methylene chloride	ND	10	ug/l
28.) Styrene	ND	5.0	ug/l
29.) Tetrachloroethene	ND	5.0	ug/l
30.) Toluene	ND	5.0	ug/l
31.) Meta/Para-Xylenes	ND	5.0	ug/l
32.) Ortho-Xylenes	ND	5.0	ug/l
33.) trans - 1,3 - Dichloropropene	ND	5.0	ug/l
34.) Trichloroethene	ND	5.0	ug/l
35.) Vinyl acetate	ND	5.0	ug/l
36.) Vinyl chloride	ND	5.0	ug/l

Surrogate % Recovery 1,2 - Dichloroethane d-4 = 129%
Surrogate % Recovery Toluene d-8 = 122%
Surrogate % Recovery 4 - Bromofluorobenzene = 124%

ppb = parts per billion = ug/l = micrograms per liter
ppm = parts per million = ug/ml = micrograms per milliliter
ND = Not Detected. Compounds may be present at concentrations below the reporting limit.

R. L. James, Principal Chemist

Feb 4, 1998

Date Reported

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Analytical Laboratory Division
 Mobile Laboratory Division
 Scientific Division

**EPA Method 6010/7470
 Metals, CAM 8
 Method Blank**

Attention: Mr. Gary Smith
 Bradley Environmental
 5175-B Hillside Circle
 El Dorado Hills, CA 95762

Date Sampled: Jan 29, 1998
 Date Received: Jan 30, 1998
 Date Requested: Feb 2, 1998
 Date Analyzed: Feb 4, 1998
 Invoice #: 9054JAN98

Project #: 7379

Project Name: East Bay Point

Client ID: Method Blank

LAB ID: MB980204C Mercury
 MB980202A ICP

Matrix: Water

Dilution: 1: 1

Name	Concentration	Reporting Limit	Units
Arsenic (As)	ND	0.10	mg/l
Barium (Ba)	ND	0.020	mg/l
Cadmium (Cd)	ND	0.0050	mg/l
Chromium (Cr)	ND	0.010	mg/l
Lead (Pb)	ND	0.010	mg/l
Mercury (Hg)	ND	0.00020	mg/l
Selenium (Se)	ND	0.10	mg/l
Silver (Ag)	ND	0.010	mg/l

ppm = parts per million = mg/l = milligrams per liter
 ND = not detected. Compound(s) may be present at concentrations below the detection limit.

L. Abbanosa
 L. Abbanosa, Inorganics Supervisor

Feb 4, 1998
 Date Reported

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6010mbw

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA Method 6010/7470 Metals, CAM 8

Attention:	Mr. Gary Smith Bradley Environmental 5175-B Hillside Circle El Dorado Hills, CA 95762	Date Sampled:	Jan 29, 1998
		Date Received:	Jan 30, 1998
		Date Requested:	Feb 2, 1998
		Date Analyzed:	Feb 4, 1998
		Invoice #:	9054JAN98
Project #:	7379	Project Name:	East Bay Paint
Client ID:	Baker Tank Composite	LAB ID:	9054-001A
Matrix:	Water	Dilution:	1: 1

Name	Concentration	Reporting Limit	Units
Arsenic (As)	ND	0.10	mg/l
Barium (Ba)	0.059	0.020	mg/l
Cadmium (Cd)	ND	0.0050	mg/l
Chromium (Cr)	ND	0.010	mg/l
Lead (Pb)	ND	0.010	mg/l
Mercury (Hg)	0.00031	0.00020	mg/l
Selenium (Se)	ND	0.10	mg/l
Silver (Ag)	ND	0.010	mg/l

ppm = parts per million = mg/l = milligrams per liter

ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

L. Abellanes
L. Abellanes, Inorganics Supervisor

Feb 4, 1998

Date Reported

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA Method 6010/7470 Metals, CAM 8 MS/MSD Recoveries

Attention: Mr. Gary Smith
Bradley Environmental
5175-B Hillside Circle
El Dorado Hills, CA 95762

Date Sampled: Jan 29, 1998
Date Received: Jan 30, 1998
Date Requested: Feb 2, 1998
Date Analyzed: Feb 4, 1998
Invoice #: 9054JAN98

Project ID: 7379
Project Name: East Bay Paint

Client ID: MS/MSD
LAB ID: 9042-009A

Matrix: Water

Element	Sample Conc.	Spike Conc.	MS	MS % Recovery	MSD	Units: (mg/l)	
						MSD % Recovery	% RSD
Arsenic (As)	ND	0.500	0.566	113%	0.553	111%	2.3%
Barium (Ba)	0.192	0.500	0.720	106%	0.704	102%	3.1%
Cadmium (Cd)	ND	0.200	0.218	109%	0.210	105%	3.7%
Chromium (Cr)	ND	0.500	0.527	105%	0.506	101%	4.1%
Lead (Pb)	ND	0.500	0.513	103%	0.490	98.0%	4.6%
Mercury (Hg)	ND	0.00100	0.00104	104%	0.00103	103%	1.0%
Selenium (Se)	ND	0.500	0.552	110%	0.552	110%	0.00%
Silver (Ag)	ND	0.0500	0.0490	98.0%	0.0495	99.0%	1.0%

ND = Not Detected. Co-solvents may be present at concentrations below the detection limit.

L. Abellera
L. Abellera, Inorganics Supervisor

Feb 4, 1998

Date Reported

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

EPA Method 6010/7470 Metals, CAM 8 LCS/LCSD Recoveries

Attention:	Mr. Gary Smith Bradley Environmental 5175-B Hilldale Circle El Dorado Hills, CA 95762	Date Sampled: Jan 29, 1998 Date Received: Jan 30, 1998 Date Requested: Feb 2, 1998 Date Analyzed: Feb 4, 1998 Invoice #: 9054JAN98
Project ID:	7379	Project Name: East Bay Paint
Client ID:	LCS/LCSD	LAB ID: 980204C Mercury 980202A ICP
Matrix:	Water	Dilution:

Element	Spike Conc.	LCS %		LCSD	LCSD %	
		LCS	Recovery		Recovery	RSD
Arsenic (As)	0.500	0.538	108%	0.555	111%	3.1%
Barium (Ba)	0.500	0.539	108%	0.539	108%	0.00%
Cadmium (Cd)	0.200	0.211	106%	0.214	107%	1.4%
Chromium (Cr)	0.500	0.518	104%	0.524	105%	1.2%
Lead (Pb)	0.500	0.514	103%	0.520	104%	1.2%
Mercury (Hg)	0.00100	0.000962	96.2%	0.000941	94.1%	2.2%
Selenium (Se)	0.500	0.550	110%	0.548	110%	0.38%
Silver (Ag)	0.0500	0.0505	101%	0.0514	103%	1.8%

ppm = parts per million = mg/L
mg/L = milligrams per liter
ND = Not Detected. Compound(s) may be present at concentrations below the detection limit.

For Lisa McKinney
L. Appliances, Inorganic Supervisor

Feb 4, 1998
Date Reported

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(Certification No. 1014)

CamBlow

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