**Weiss Associates** *Environmental and Geologic Services*

*5801 Christie Avenue, Suite 600, Emeryville, CA 94608-1827* *Fax: 510-547-5043* **Phone: 510-450-6000**

Lead TPHs + TPHms

April 27, 2000

#3552

Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

ENVIRONMENTAL PROTECTION
00 APR 28 PM 3:31

RE: **First Quarter 2000**
Bucate Plata
489 43rd Street
Oakland, California
Weiss Job #138-1231-2

Dear Mr. Chan:

This status report satisfies the quarterly reporting requirements described in California Administrative Code Title 23 Waters, Division 3, Chapter 16, Article 5, Section 2652.d for the above referenced site. A site background, a summary of activities performed in the first quarter 2000, and proposed activities for the second quarter 2000, are presented below.

At the request of the Alameda County Health Care Services Agency (ACHCSA), the ground water monitoring was done in conjunction with the monitoring for the site located upgradient and across the street.

## SITE BACKGROUND

### *Location*

The subject property is located at 489 43rd Street in Oakland, California (Figure 1). The subject site consists of a commercial building occupying a corner lot (Figure 2). The building is adjacent to the sidewalk on 43rd Street and has a frontage on Telegraph Avenue.

### *Hydrogeology*

The subsurface consists of sandy silt and silty sand to 5 ft below ground surface (bgs), silty clay to 10 ft bgs, and gravelly sand 10 ft bgs to 15 ft bgs. A range of clayey silt to sandy silt exists from 15 ft bgs to a depth of 20.2 ft bgs. Based on ground water depth data collected in March 2000, the shallow ground water was generally flowing to the south-southwest as had been reported in previous years.

### *Adjacent Petroleum Hydrocarbon Sources*

There is a reported release from the former USTs located at 490 43rd Street, across the street and upgradient of the subject site. The 490 43rd Street USTs reportedly contained gasoline and paint thinner. Three ground water monitoring wells were installed at the 490 43rd Street site in 1993. Total Petroleum

Hydrocarbons as Gasoline (TPH-G), Total Petroleum Hydrocarbons as Paint Thinner (TPH-PT), and benzene, toluene, ethyl benzene and xylenes (BTEX) have been detected in ground water samples from all three wells. A fourth well was requested by ACHCSA, so MW-4 was installed on July 23, 1999. Figure 2 shows the arrangement of the subject site and the site across the street.

*Extent of Subsurface Hydrocarbons*

A former underground storage tank (UST) was located at the subject site under the north sidewalk of 489 43rd Street, about 90 feet east of the intersection of 43rd Street and Telegraph Avenue in Oakland. The UST was removed by Accutite Environmental Engineering in September 1995. Laboratory analysis of soil samples collected from beneath the UST detected maximum concentrations of 1,900 parts per million (ppm) TPH-G, 1,300 ppm Total Petroleum Hydrocarbons as Diesel (TPH-D), 0.2 ppm benzene, 0.46 ppm toluene, 17 ppm ethylbenzene, 48 ppm total xylenes, and 1,300 ppm methyl tertiary-butyl ether (MTBE). ppb

On May 29, 1998, Weiss drilled one borehole (SB-01) on the down-gradient side of the subject site's former UST location and advanced the borehole to a total depth of 12 feet below ground surface. The soil sample was reported to have no contaminants of concern above the laboratory detection limits. The ground water sample was reported to have a TPH-G concentration of 18,000 parts per billion (ppb), a benzene concentration of 2,400 ppb, a TPH-PT concentration of 8,800 ppb, and an MTBE concentration of <350 ppb. The laboratory indicated that the TPH-G and TPH-PT results included a large fraction of an unmodified or weakly modified gasoline. Due to the interference from the TPH-G concentration, the laboratory had to raise the MTBE reporting limit to 350 ppb.

A monitoring well was installed on October 29, 1999 and was developed on November 2, 1999 using surge block agitation and bailer excavation. The soil sample collected during well installation reported to have no contaminants of concern above the laboratory detection limits. The ground water sample collected during well development was reported to have the following concentrations: 380 µg/L TPH-G, 0.77 µg/L benzene, 3.5 µg/L toluene, 2.1 µg/L ethyl benzene, 1.6 µg/L xylenes and 240 µg/L paint thinner. Results of the ground water sampling after the well development are in Table 1. TPH-D, MTBE and lead were reported as being below the laboratory detection limit for the ground water sample. The paint thinner is believed to be a result of past activities involving a paint thinner tank located at the site across the street. The BTEX results were below each of the California Department of Health Services maximum contaminant levels (MCLs) for ground water.

## FIRST QUARTER 2000 ACTIVITIES

First quarter activities were as follows:

- Weiss coordinated with ACC Environmental to conduct ground water monitoring for the site across the street at the same time we collected samples and monitored at the subject site. Weiss and ACC exchanged data from the sampling events including ground water levels and analytical results.
- Weiss measured ground water depth and collected ground water samples from the Site monitoring well on March 27, 2000. The samples were submitted to a state-certified analytical laboratory. The sample collection records are included as Attachment A, and the certified analytic report and chain-of-custody form are included as Attachment B.

- Weiss calculated ground water elevations, contoured ground water elevations (Figure 2), and compiled analytic data (Table 1).
- Weiss completed this quarterly monitoring report for submittal to ACHCSA.

## PLANNED SECOND QUARTER 2000 ACTIVITIES

Anticipated second quarter activities include:

- Collecting a water level measurement and water samples from the well in conjunction with the site across the street.
- Submitting a quarterly monitoring report detailing activities conducted during the quarter.
- Preparing bid documents for the excavation of the former UST tank pit at the subject site.

Please call me at (510) 450-6124 if you have any questions or comments.

Sincerely,
Weiss Associates

Melissa Chamberlain
Senior Staff Engineer

Attachments: Figures
Table
Attachment A—Water Sample Collection Forms
Attachment B—Laboratory Reports and Chain-of-Custody Forms

cc: Ronn Simpson, Bucate Plata, P.O. Box 3090, Berkeley, CA 94703

MJC:mjc
F:\CLIENTS\BUCATE\reports\99q4r1.doc

# FIGURES


Figure 1 Site Location - 489 43rd Street, Oakland, California

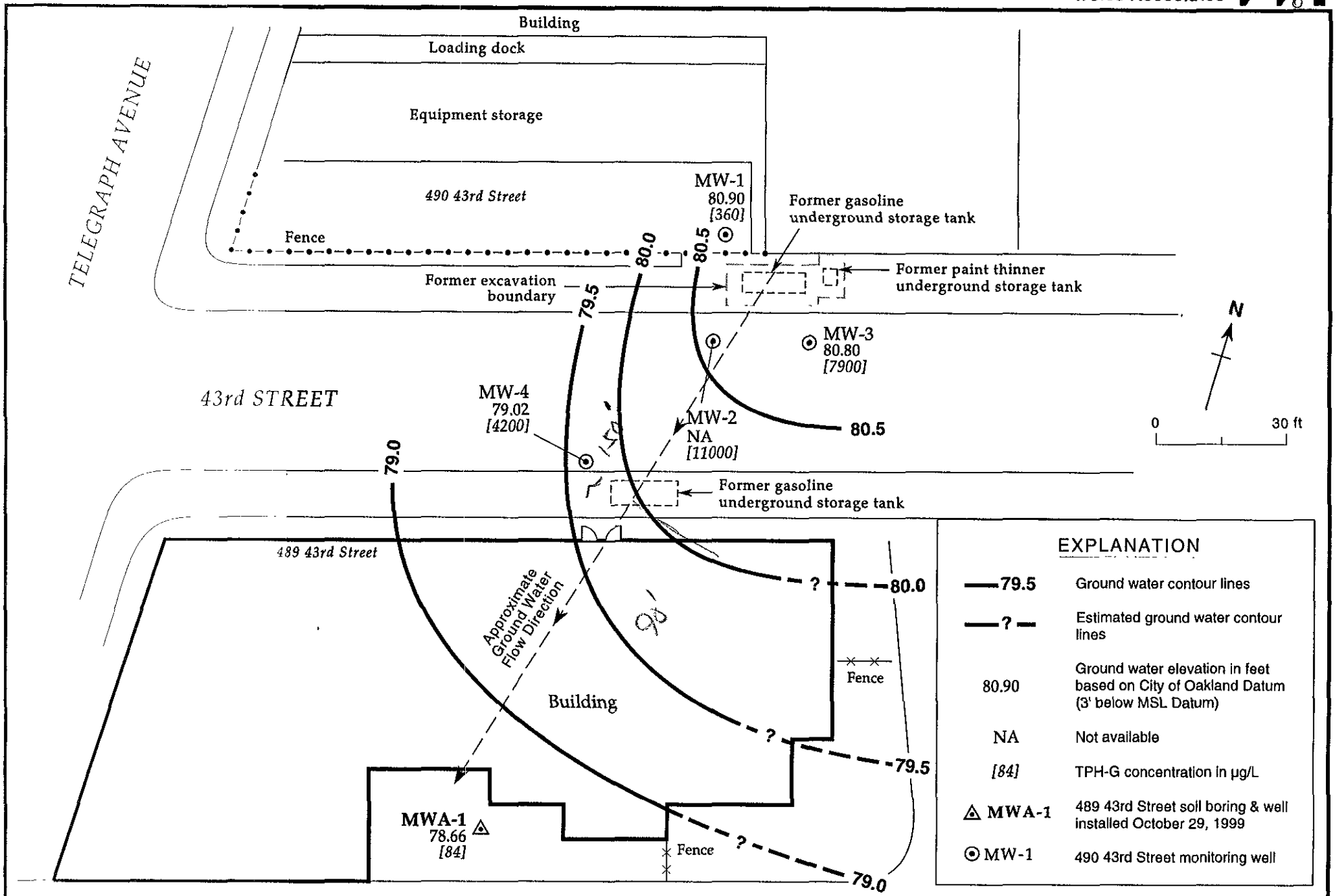


Figure 2 Quarterly Sampling Data, March 27, 2000 - 489 43rd Street, Oakland, California

# TABLE

Table 1 Ground Water Sampling and Analyses
Quarterly Well Sampling on March 27, 2000, 489 43rd Street, Bucate Plata judgment

| Sample ID | Date | Matrix Sampled | TPH-D µg/L | TPH-G µg/L | Benzene µg/L | Toluene µg/L | Ethyl benzene µg/L | Xylenes µg/L | MTBE µg/L | Lead µg/L | Paint Thinner µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MWA-1 | 12/20/99 | Water | 57 | 110 | ND | 0.79 | ND | ND | ND | ND | ND |
| MWA-1 | 3/27/00 | Water | ND | 84 | ND | ND | ND | ND | ND | ND | 75 |
| Laboratory Detection Limit | 3/27/00 | Water | 50 | 50 | 0.50 | 0.50 | 0.50 | 0.50 | 5.0 | 5.0 | 50 |
| Maximum Contaminant Level (set by the California Dept of Health Services) | | | Not available | Not available | 1.0 | 150 | 700 | 1750 | Not available (Note 1) | Not available (Note 2) | Not available |

Legend

All results are expressed in µg/L unless otherwise noted
ND = at or below laboratory detection limit.
TPH-D = total petroleum hydrocarbons as diesel
TPH G = total petroleum hydrocarbons as gasoline
Paint Thinner = total petroleum hydrocarbons as paint thinner

Note 1 The State of California has not yet developed a final MCL for MTBE. The State is proposing a primary MCL of 13 µg/L for MTBE and a secondary MCL of 5 µg/L.

Note 2 The Sate of California has not established an MCL for lead, but the USEPA has established a lead MCL of 15 µg/L.

# ATTACHMENT A

WATER SAMPLE COLLECTION FORMS

# WATER SAMPLING DATA

Weiss Associates

Job Name: Bucket Pit Job #: 138-1231-7 Sample ID #: MW-1 Well Name: MW-1
Sampled By Gary C Date: 3/27/2000

| | | | | | |
|---|---|---|---|---|---|
| SAMPLE TYPE | ☒ Original | ☐ Duplicate | ☐ Trip Blank | ☐ Equip. Blank | ☐ Other: |
| WEATHER | ☐ Sunny | ☐ Cloudy | ☐ Rainy | ☒ Overcast | ☐ Windy | Temperature: |
| WELL TYPE | ☒ Monitoring | ☐ Extraction | ☐ Piezometer | ☐ Other: | |

| WELL MEASUREMENTS | | Measurements | |
|---|---|---|---|
| Depth to Water | DTW | 10-61 | Ft. |
| Depth to Product | DTP | N/A | Ft. |
| Product Thickness | PT | | Ft. |
| Specified Well Depth | SWD | | Ft. |
| Measured Well Depth | MWD | 20-08 | Ft. |
| Well Diameter | D | 2" | In. |

| Well Conditions |
|---|
| *casing, plugs, seal, vault* |
| OK ☒ |
| Comments: |
| |
| |
| |

Formulas/Conversions
r = well radius in ft.
h = ht of water col in ft.
vol. in cyl. - $\pi r^2 h$
7.48 gal/ft$^3$
$V_{2"}$ casing = 0.163 gal/ft
$V_{3"}$ casing = 0.367 gal/ft
$V_{4"}$ casing = 0.653 gal/ft
$V_{4.5"}$ casing = 0.826 gal/ft
$V_{6"}$ casing = 1.47 gal/ft
$V_{8"}$ casing = 2.61 gal/ft

| EVACUATION CALCULATIONS | Formula | Value | |
|---|---|---|---|
| Standing Water Height | SWH=MWD - DTW | 9.47 | ft. |
| Well Casing Volume | WCV=SWH * $V_D$ | 1.54 | gal. |
| Well Casings Volumes to be Evacuated | N | X3 | |
| Total to be Evacuated: | =WCV * N | 4.63 | gal |

Actual gal. Evacuated:

| Evacuation Equipment/Decontamination | |
|---|---|
| Dedicated ☐ Yes ☒ No | Equipment: Disposible Bailer |
| ☐ Steam ☐ Alconox ☐ DI Water ☐ Other | |

| MEASUREMENTS | | | | | |
|---|---|---|---|---|---|
| Volume Purged | Time | Temp. °C | Ec SC/Φmhos | pH | Other |
| 1 | 841 | 63.2 | 0.50 X1000 | 6.9 | Brown |
| 2.5 | 846 | 60.4 | 0.50 X1000 | 6.9 | Brown |
| 5 | 853 | 58.6 | 0.38 X1000 | 6.9 | " " |
| | | | | | |
| Time/Start Totalizer: | | | Time/End Totalizer: | | |

| WELL RECOVERY |
|---|
| DTW @ Sample 13.35 |
| MWD – 80%HWC = 80%DTW |
| Evacuated Dry ☐ Yes ☑ No |

| SAMLPE DESCRIPTION |
|---|
| Color: Lt. Brown |
| Odor: No |
| Solids: No |

| CALIBRATION | | | | SAMPLE TIME/METHOD |
|---|---|---|---|---|
| Meter Type | Manufacturer | ID Number | Calibration Performed | Time: 900 |
| pH | Hach | | ☐ 4 ☐ 7 ☐ 10 | Dedicated ☐ Yes ☒ No |
| Conductivit | Hycomc | | | Equipment: Disposible |
| Other | | | | Comments on Back ☐ |

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Weiss Associates



# WATER LEVELS

Job Name: Bucate Plata

WA Job #: 133-1231-2

Method / Equipment: Slope Indicator

Date Measured : 3/27/2000

Initials: Gary C.

| Well ID | Measurement Point | T.O.C. Elevation | Historical D.T.W. 2nd Most Recent Date: | Historical D.T.W. Most Recent Date | Field D.T.W. | Clock Time (Military) | Comments (Well condition special access, etc.) |
|---|---|---|---|---|---|---|---|
| MW-1 | TOC | | | | 10.61 | 827 | DTB 20.08 |
| | | | | | | | |
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# ATTACHMENT B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

**Weiss Associates**
5801 Christie Ave, Suite 600
Emeryville, CA 94608-1827

Attn.: Joyce Adams

Project: 138-1231-2
Buchate Plata

Attached is our report for your samples received on Monday March 27, 2000
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 April 26, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: asalimpour@chromalab.com

Sincerely,

Afsaneh Salimpour

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

Gas/BTEX and MTBE


**Weiss Associates**

5801 Christie Ave, Suite 600
Emeryville, CA 94608-1827

Attn: Joyce Adams

Phone: (510) 450-6000 Fax: (510) 547-5043


Project #: 138-1231-2

Project: Buchate Plata

**Samples Reported**

| Sample ID | Matrix | Date Sampled | Lab # |
|---|---|---|---|
| MW-1 | Water | 03/27/2000 09:00 | 1 |
| TRIP BLANK | Water | 03/27/2000 | 2 |

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

To: **Weiss Associates**

Attn.: Joyce Adams

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

| | | | |
|---|---|---|---|
| Sample ID: | **MW-1** | Lab Sample ID: | **2000-03-0501-001** |
| Project: | 138-1231-2<br>Buchate Plata | Received: | 03/27/2000 17:33 |
| | | Extracted: | 04/06/2000 17:11 |
| Sampled: | 03/27/2000 09:00 | QC-Batch: | 2000/04/06-01.04 |
| Matrix: | Water | | |

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Gasoline | 84 | 50 | ug/L | 1.00 | 04/06/2000 17:11 | g |
| Benzene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 17:11 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 17:11 | |
| Ethyl benzene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 17:11 | |
| Xylene(s) | ND | 0.50 | ug/L | 1.00 | 04/06/2000 17:11 | |
| MTBE | ND | 5.0 | ug/L | 1.00 | 04/06/2000 17:11 | |
| ***Surrogate(s)*** | | | | | | |
| Trifluorotoluene | 92.4 | 58-124 | % | 1.00 | 04/06/2000 17:11 | |
| 4-Bromofluorobenzene-FID | 88.5 | 50-150 | % | 1.00 | 04/06/2000 17:11 | |

To: **Weiss Associates**

Attn.: Joyce Adams

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

| | | | |
|---|---|---|---|
| Sample ID: | **TRIP BLANK** | Lab Sample ID: | **2000-03-0501-002** |
| Project: | 138-1231-2<br>Buchate Plata | Received: | 03/27/2000 17:33 |
| | | Extracted: | 04/06/2000 16:42 |
| Sampled: | 03/27/2000 | QC-Batch: | 2000/04/06-01.04 |
| Matrix: | Water | | |

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Gasoline | ND | 50 | ug/L | 1.00 | 04/06/2000 16:42 | |
| Benzene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 16:42 | |
| Toluene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 16:42 | |
| Ethyl benzene | ND | 0.50 | ug/L | 1.00 | 04/06/2000 16:42 | |
| Xylene(s) | ND | 0.50 | ug/L | 1.00 | 04/06/2000 16:42 | |
| MTBE | ND | 5.0 | ug/L | 1.00 | 04/06/2000 16:42 | |
| ***Surrogate(s)*** | | | | | | |
| Trifluorotoluene | 76.6 | 58-124 | % | 1.00 | 04/06/2000 16:42 | |
| 4-Bromofluorobenzene-FID | 69.2 | 50-150 | % | 1.00 | 04/06/2000 16:42 | |

To: **Weiss Associates**

Attn.: Joyce Adams

Test Method: 8015M
8020

Prep Method: 5030

**Batch QC Report**
Gas/BTEX and MTBE

**Method Blank** **Water** **QC Batch # 2000/04/06-01.04**

MB: 2000/04/06-01.04-001 Date Extracted: 04/06/2000 15:11

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|---|---|---|---|---|---|
| Gasoline | ND | 50 | ug/L | 04/06/2000 15:11 | |
| Benzene | ND | 0.5 | ug/L | 04/06/2000 15:11 | |
| Toluene | ND | 0.5 | ug/L | 04/06/2000 15:11 | |
| Ethyl benzene | ND | 0.5 | ug/L | 04/06/2000 15:11 | |
| Xylene(s) | ND | 0.5 | ug/L | 04/06/2000 15:11 | |
| MTBE | ND | 5.0 | ug/L | 04/06/2000 15:11 | |
| ***Surrogate(s)*** | | | | | |
| Trifluorotoluene | 89.8 | 58-124 | % | 04/06/2000 15:11 | |
| 4-Bromofluorobenzene-FID | 83.4 | 50-150 | % | 04/06/2000 15:11 | |

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

To: **Weiss Associates**

Test Method: 8015M
8020

Attn: Joyce Adams

Prep Method: 5030

**Batch QC Report**

Gas/BTEX and MTBE

**Laboratory Control Spike (LCS/LCSD)** **Water** **QC Batch # 2000/04/06-01.04**

LCS: 2000/04/06-01.04-002 Extracted: 04/06/2000 13:02 Analyzed 04/06/2000 13:02

LCSD: 2000/04/06-01.04-003 Extracted: 04/06/2000 13:31 Analyzed 04/06/2000 13:31

| Compound | Conc. [ ug/L ] | | Exp.Conc. [ ug/L ] | | Recovery [%] | | RPD | Ctrl. Limits [%] | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Gasoline | 440 | 445 | 500 | 500 | 88.0 | 89.0 | 1.1 | 75-125 | 20 | | |
| Benzene | 94.3 | 85.6 | 100.0 | 100.0 | 94.3 | 85.6 | 9.7 | 77-123 | 20 | | |
| Toluene | 95.0 | 86.6 | 100.0 | 100.0 | 95.0 | 86.6 | 9.3 | 78-122 | 20 | | |
| Ethyl benzene | 94.6 | 86.0 | 100.0 | 100.0 | 94.6 | 86.0 | 9.5 | 70-130 | 20 | | |
| Xylene(s) | 284 | 261 | 300 | 300 | 94.7 | 87.0 | 8.5 | 75-125 | 20 | | |
| ***Surrogate(s)*** | | | | | | | | | | | |
| Trifluorotoluene | 428 | 407 | 500 | 500 | 85.6 | 81.4 | | 58-124 | | | |
| 4-Bromofluorobenzene-FI | 449 | 466 | 500 | 500 | 89.8 | 93.2 | | 50-150 | | | |

To: **Weiss Associates**

Attn:Joyce Adams

Test Method: 8015M
8020

Prep Method: 5030

## Legend & Notes

Gas/BTEX and MTBE

**Analyte Flags**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

Soluble Metals

| | |
|---|---|
| **Weiss Associates** | 5801 Christie Ave, Suite 600<br>Emeryville, CA 94608-1827 |
| Attn: Joyce Adams | Phone: (510) 450-6000 Fax: (510) 547-5043 |
| Project #: 138-1231-2 | Project: Buchate Plata |

**Samples Reported**

| Sample ID | Matrix | Date Sampled | Lab # |
|---|---|---|---|
| MW-1 | Water | 03/27/2000 09:00 | 1 |

# CHROMALAB, INC.

Environmental Services (SDB)


**Submission #: 2000-03-0501**

To: **Weiss Associates**

Attn.: Joyce Adams

Test Method: 6010B

Prep Method: 3005A

Soluble Metals

| | | | |
|---|---|---|---|
| Sample ID: | **MW-1** | Lab Sample ID: | **2000-03-0501-001** |
| Project: | 138-1231-2<br>Buchate Plata | Received: | 03/27/2000 17:33 |
| | | Extracted: | 03/28/2000 07:47 |
| Sampled: | 03/27/2000 09:00 | QC-Batch: | 2000/03/28-01.15 |
| Matrix: | Water | | |

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Lead | ND | 0.0050 | mg/L | 1.00 | 03/28/2000 14:14 | |

To: **Weiss Associates**
Attn.: Joyce Adams

Test Method: 6010B
Prep Method: 3005A

**Batch QC Report**
Soluble Metals

**Method Blank** | **Water** | **QC Batch # 2000/03/28-01.15**

MB: 2000/03/28-01.15-025 | Date Extracted: 03/28/2000 07:47

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|---|---|---|---|---|---|
| Lead | ND | 0.0050 | mg/L | 03/28/2000 11:34 | |

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

To: **Weiss Associates**

Attn: Joyce Adams

Test Method: 6010B

Prep Method: 3005A

**Batch QC Report**

Soluble Metals

**Laboratory Control Spike (LCS/LCSD)** **Water** **QC Batch # 2000/03/28-01.15**

LCS: 2000/03/28-01.15-026 Extracted: 03/28/2000 07:47 Analyzed 03/28/2000 11:38

LCSD: 2000/03/28-01.15-027 Extracted: 03/28/2000 07:47 Analyzed 03/28/2000 11:42

| Compound | Conc. [ mg/L ] | | Exp.Conc. [ mg/L ] | | Recovery [%] | | RPD | Ctrl. Limits [%] | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Lead | 0.447 | 0.444 | 0.500 | 0.500 | 89.4 | 88.8 | 0.7 | 80-120 | 20 | | |

**CHROMALAB, INC.**
Environmental Services (SDB)

**Submission #: 2000-03-0501**

Total Extractable Petroleum Hydrocarbons (TEPH)

**Weiss Associates**
5801 Christie Ave, Suite 600
Emeryville, CA 94608-1827
Attn: Joyce Adams
Phone: (510) 450-6000 Fax: (510) 547-5043
Project #: 138-1231-2
Project: Buchate Plata

**Samples Reported**

| Sample ID | Matrix | Date Sampled | Lab # |
|---|---|---|---|
| MW-1 | Water | 03/27/2000 09:00 | 1 |

# CHROMALAB, INC.

Environmental Services (SDB)

**Submission #: 2000-03-0501**

To: **Weiss Associates**
Attn.: Joyce Adams

Test Method: 8015m
Prep Method: 3510/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

| | | | |
|---|---|---|---|
| Sample ID: | **MW-1** | Lab Sample ID: | **2000-03-0501-001** |
| Project: | 138-1231-2<br>Buchate Plata | Received: | 03/27/2000 17:33 |
| | | Extracted: | 03/31/2000 07:32 |
| Sampled: | 03/27/2000 09:00 | QC-Batch: | 2000/03/31-02.10 |
| Matrix: | Water | | |

| Compound | Result | Rep.Limit | Units | Dilution | Analyzed | Flag |
|---|---|---|---|---|---|---|
| Diesel | ND | 50 | ug/L | 1.00 | 03/31/2000 23:12 | |
| Paint Thinner | 75 | 50 | ug/L | 1.00 | 03/31/2000 23:12 | rd |
| ***Surrogate(s)*** | | | | | | |
| o-Terphenyl | 79.6 | 60-130 | % | 1.00 | 03/31/2000 23:12 | |

To: **Weiss Associates** Test Method: 8015m

Attn.: Joyce Adams Prep Method: 3510/8015M

**Batch QC Report**

Total Extractable Petroleum Hydrocarbons (TEPH)

**Method Blank** **Water** **QC Batch # 2000/03/31-02.10**

MB: 2000/03/31-02.10-001 Date Extracted: 03/31/2000 07:32

| Compound | Result | Rep.Limit | Units | Analyzed | Flag |
|---|---|---|---|---|---|
| Diesel | ND | 50 | ug/L | 04/01/2000 06:40 | |
| Paint Thinner | ND | 50 | ug/L | 04/01/2000 06:40 | |
| ***Surrogate(s)*** | | | | | |
| o-Terphenyl | 88.5 | 60-130 | % | 04/01/2000 06:40 | |

To: **Weiss Associates** Test Method: 8015m

Attn: Joyce Adams Prep Method: 3510/8015M

**Batch QC Report**

Total Extractable Petroleum Hydrocarbons (TEPH)

**Laboratory Control Spike (LCS/LCSD)** **Water** **QC Batch # 2000/03/31-02.10**

LCS: 2000/03/31-02.10-002 Extracted: 03/31/2000 07:32 Analyzed 03/31/2000 21:55

LCSD: 2000/03/31-02.10-003 Extracted: 03/31/2000 07:32 Analyzed 03/31/2000 22:39

| Compound | Conc. [ ug/L ] | | Exp.Conc. [ ug/L ] | | Recovery [%] | | RPD | Ctrl. Limits [%] | | Flags | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | LCS | LCSD | LCS | LCSD | LCS | LCSD | [%] | Recovery | RPD | LCS | LCSD |
| Diesel | 1010 | 990 | 1250 | 1250 | 80.8 | 79.2 | 2.0 | 60-130 | 25 | | |
| ***Surrogate(s)*** | | | | | | | | | | | |
| o-Terphenyl | 22.1 | 21.4 | 20.0 | 20.0 | 110.5 | 107.0 | | 60-130 | | | |

To: **Weiss Associates**
Attn:Joyce Adams

Test Method: 8015m
Prep Method: 3510/8015M

## Legend & Notes

Total Extractable Petroleum Hydrocarbons (TEPH)

**Analyte Flags**

rd

Quantitation for the above analyte is based on the response factor of Diesel

Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608
Phone 510-450-6000 Fax: 510-547-5043
AguaTerra Associates Incorporated, DBA

2000-03-0501

Please send analytic results and a copy of the signed chain of custody form to:

Project ID: 158-1231-2

Site Name: Bucute Plaza

Lab Personnel: PLEASE INCLUDE QA/QC DATA IF BOX IS CHECKED.

1) Specify analytic method and detection limit in report.
2) Notify us if there are any anomalous peaks in GC or other scans.
3) ANY QUESTIONS/CLARIFICATIONS: CALL US.

# CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS

Sampled by Corey C

Laboratory Name: chromolab

| No of Containers | Sample ID | Container Type[1] | Sample Date | Sample Time | Vol[2] | Filter[3] | Refrig[4] | Preservative (specify) | Analyze for | Analytic Method | Turn[5] | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #3 | MW-1 | W/Voa | 3/27/00 | 900 | 40ml | N | Y | HCL | TPH-G/BTEX/MTBE | EPA 8015/8020 | N | |
| 1 | MW-1 | W/liter | 3/27/00 | 900 | liter | N | Y | NO | TPH-Diesel | EPA 8015 | N | |
| 2 | MW-1 | W/liter | 3/27/00 | 900 | liter | N | Y | NO | TPH-PT | Paint Thinner | N | |
| 1 | MW-1 | W/PT | 3/27/00 | 900 | 250ml | N | Y | NO | Soluble Lead | EPA 6010 | N | |
| 2 | TB TripBlank | W/Voa | 3/27/00 | 8:00 | 80ml | N | Y | HCL | *HOLD* | EPA 8015/8020 | *HOLD* | |

1 Released by (Signature), Date, Time: 3/27/2000

1 Affiliation: WeissAssoc 1424

2 Received by (Signature), Date, Time: 3/27/00 1424

2 Affiliation: Chromolab

3 Released by (Signature), Date, Time: 3/27/00 1733

3 Affiliation: Chromolab

4 Shipping Carrier, Method, Date, Time

4 Affiliation

5 Released by (Signature), Date, Time

5 Affiliation

6 Received by Lab Personnel, Date, Time: Denise Harrington 3/27/00@1733

6 Affiliation, Telephone: Chromolab 925-484-1919

x Seal intact?

1 Sample Type Codes W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; Cap Codes PT = Plastic, Teflon Lined 2 = Volume per container; 3 = Filtered YY/N); 4 = Refrigerated (Y/N)

5 Turnaround [N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

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