Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *FAX: 510-547-5043 Phone: **510-450-6000***

TRANSMITTAL

TO:	Ms. Susan Hugo	**DATE:**	January 13, 1997
COMPANY:	Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 1131 Harbor Bay Parkway Alameda, CA 94502	**PROJECT #:**	14-0307-22
FROM:	James D. Ponton, (510) 450-6130	**PHONE:** **FAX:**	(510) 567-6780 (510) 337-9335

ENCLOSED PLEASE FIND: **1150 Park Avenue, Emeryville, CA Supply Well Abandonment Letter**

VIA:	**FAX:**	**AS:**	**FOR:**
☐ Fax	# of pages: _____ (including this cover)	☑ Per our phone call	☑ Your information
☐ 1st Class Mail	☐ Hard Copy to follow	☐ You requested	☐ Return to you
☐ Overnight Delivery		☐ Is required	☐ Your action
☐ UPS (Surface)		☐ We believe you may be interested	☐ Your review & comments
☑ Courier			

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Dear Susan:

Attached please find a copy of the well abandonment report for the industrial supply well recently destroyed at 1150 Park Avenue, Emeryville, CA.

Please feel free to call me with any questions or comments you may have regarding this matter.

Best Regards,

Jim D. Ponton

cc: Paul Morici, Pepsi-Cola Corporation
Jerry Tidwell, Pepsi-Cola Corporation
Raymond Plock, Raymond Plock and Associates
Paul Milmed, White and Case
Burton Fohrman, White and Case
Joe Colbath, Kaiser Foundation Hospitals
Mark Zemelman, Kaiser Foundation Hospitals

Please call (510) 450-6000 if there are any problems with transmission.

FAX CONFIDENTIALITY NOTICE

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Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *Fax: 510-547-5043* *Phone:* ***510-450-6000***

January 13, 1997

Susan Hugo
Senior Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
1131 Harbor Bay Parkway
Alameda, California 94502

RE: **Former New Century Beverage Facility**
Supply Well Abandonment
1150 Park Avenue
Emeryville, California
Permit No. 96735
WA Job No. 14-0307-22

Dear Susan:

Weiss Associates (WA) is pleased to present you this Well Abandonment Letter Report for the site referenced above (Figure 1). Included in this report is a description of the December 4, 1996, abandonment of the 16-inch diameter supply well in accordance with the requirements and procedures of the Alameda County Flood Control and Water Conservation District.

Prior to the abandonment, WA obtained Well Destruction Permit No. 96735.

The work was performed by Gregg Drilling and Testing , Inc., of Martinez, California under the supervision of California Registered Geologist James D. Ponton. Prior to abandoning the well it was sounded with a weighted tape to a total depth of 85 ft. The well was abandoned by:

1). cutting the steel 16-inch diameter casing about two feet below the existing ground surface;

2). placing approximately 90 feet of 3-inch diameter, threaded PVC pipe in the hole to act as a tremie pipe for the grout;

3). pressure grouting the well through the tremie. As the tremied grout was placed at the bottom of the well, the displaced well water was captured at the well head and pumped first to a nearby 55-gallon transfer drum and then to the Delta holding tank. A total of 1,200 gallons of displaced well water was collected.

On December 6, 1996, the water in the Delta tank was tested for disposal purposes. The analytic results, which are presented in Attachment A, indicated an elevated pH (11.24) due to the cementation process of the emplaced grout. The analytic results also indicated trace amounts of total

ND=for Phils, 8010
1.1 Toluene
0.9 Xylene
D=150ppb

petroleum hydrocarbons as diesel, toluene, and xylenes. Obviously, these results are not characteristic of ground water quality in the well because the well was not developed or purged prior to sampling, completion details and screen interval of the well are not known, the displaced well water was passed through a series of pumps and hoses not used for environmental ground water sampling, the Delta tank was not pretested for cleanliness prior to filling, and the displaced well water was in direct contact with the grout mix during the well abandonment process. Because of the elevated pH and predictions for heavy rain, the displaced well water was disposed of off-site by Delta Tech, using a vacuum truck, on December 30, 1996.

If you have any questions please contact me at (510) 450-6000.

Sincerely,
Weiss Associates

James D. Ponton

James D. Ponton, R.G. No. 6106
Project Geologist

Enclosures: Figure 1
Attachment A -Analytic results for displaced water disposal

cc: Paul Morici, Pepsi-Cola Corporation
Jerry Tidwell, Pepsi-Cola Corporation
Raymond Plock, Raymond Plock & Associates
Paul Milmed, White & Case
Burton Fohrman, White & Case
Joe Colbath, Kaiser Foundation Hospitals, Inc.
Mark Zemelman , Kaiser Foundation Hospitals, Inc.

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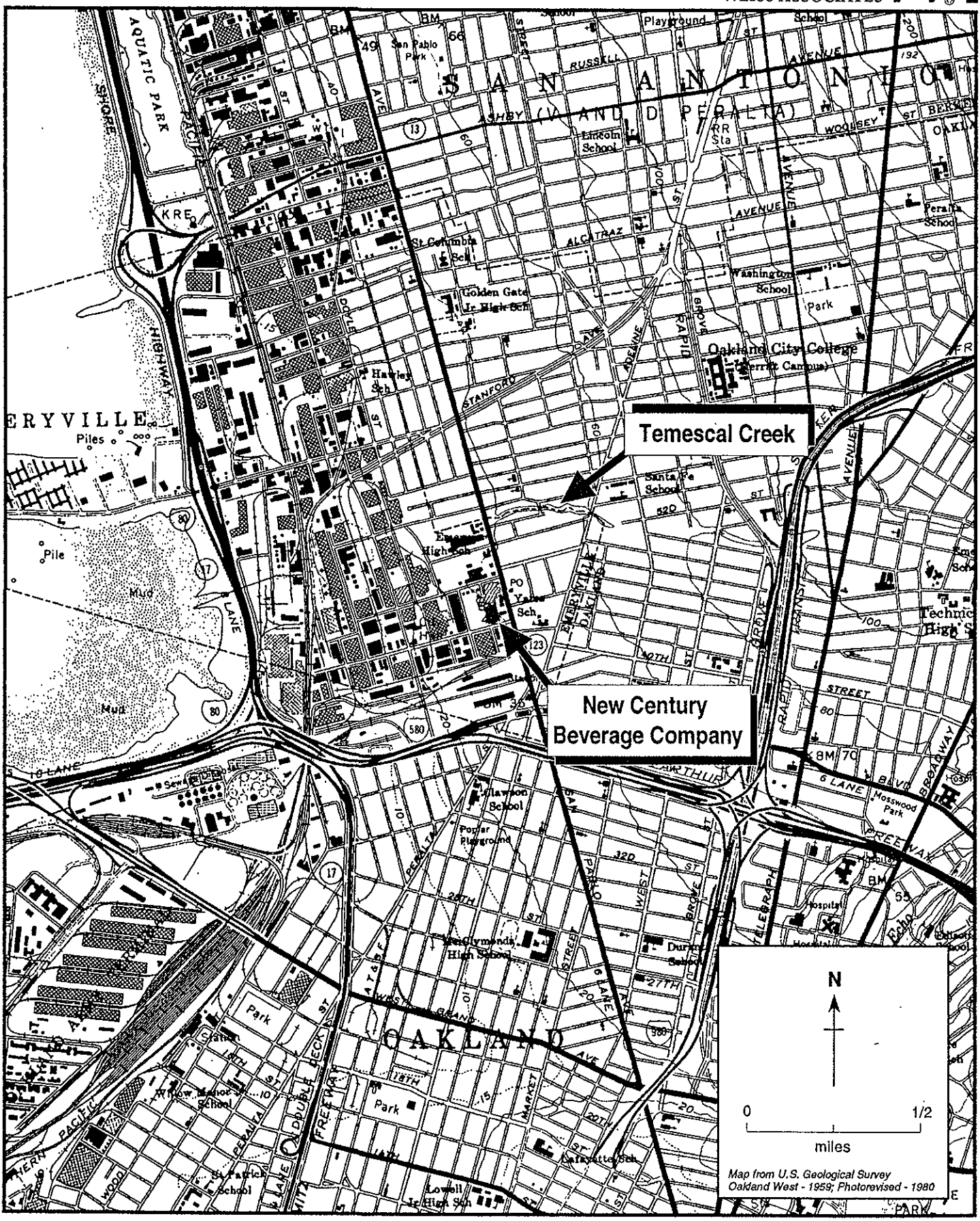

Figure 1. Site Vicinity Map - New Century Beverage Company, 1150 Park Avenue, Emeryville, California

ATTACHMENT A

CASE NARRATIVE

Weiss Associates
Project Number/Name: 14-0307-22
Laboratory Number: 22159

Sample Receipt

Two water samples were received by Superior Analytical Laboratory on December 6, 1996.

Cooler temperature was 5.1°C

No abnormalities were noted with sample recieving.

Sample Analysis

The samples were analysed for methods 160.2, 8010, 8015M, 8310 and HOLD.

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 11, 1996

Total Extractable Petroleum Hydrocarbons
by EPA SW-846 Method 8015M

Chronology

Laboratory Number 22159

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TANK WATER	12/06/96	12/06/96	12/10/96	12/10/96	CL101.02	01

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
CL101.02-01	Method Blank	MB	Water	12/10/96	12/10/96
CL101.02-02	Laboratory Spike	LS	Water	12/10/96	12/10/96
CL101.02-03	Laboratory Spike Duplicate	LSD	Water	12/10/96	12/10/96

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 11, 1996

Total Extractable Petroleum Hydrocarbons
by EPA SW-846 Method 8015M

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22159-01	TANK WATER	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	22159-01 Conc.	RL ug/L
Diesel:	150W	50
>> Surrogate Recoveries (%) <<		
Tetracosane	103	

Total Extractable Petroleum Hydrocarbons
by EPA SW-846 Method 8015M

Quality Assurance and Control Data

Laboratory Number: 22159
Method Blank(s)

	CL101.02-01 Conc. ug/L	RL
Diesel:	ND	50
>> Surrogate Recoveries (%) <<		
Tetracosane	118	

Total Extractable Petroleum Hydrocarbons
by EPA SW-846 Method 8015M

Quality Assurance and Control Data

Laboratory Number: 22159

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
CL101.02 02 / 03 - Laboratory Control Spikes						
Diesel:		1000	870/1040	87/104	50-150	18
>> Surrogate Recoveries (%) <<						
Tetracosane				118/116	50-150	

W - The pattern of the chromatogram resembles a weathered, aged, or degraded petroleum hydrocarbon.

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Weiss Associates
5500 Shellmound. Suite 100
Emeryville, CA 94608

Date: December 15, 1996

Attn: JIM PONTON

Laboratory Number : 22159

Project Number/Name : 14-0307-22

Dear JIM PONTON:

Attached is Superior Analytical Laboratory report for the samples received on December 6, 1996. This report has been reviewed and approved for release. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after January 5, 1997, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,

Afsaneh Salimpour
Project Manager

CASE NARRATIVE

Weiss Associates
Project Number/Name: 14-0307-22
Laboratory Number: 22159

Sample Receipt

Two water samples were received by Superior Analytical Laboratory on December 6, 1996.

Cooler temperature was 5.1°C

No abnormalities were noted with sample recieving.

Sample Analysis

The samples were analysed for methods 160.2, 8010, 8015M, 8310 and HOLD.

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 16, 1996

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 22159

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TANK WATER	12/06/96	12/06/96	12/16/96	12/16/96	CL162.37	01

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
CL162.37-01	Method Blank	MB		Water	12/16/96	12/16/96
CL162.37-02	Laboratory Spike	LS		Water	12/16/96	12/16/96
CL162.37-03	Laboratory Spike Duplicate	LSD		Water	12/16/96	12/16/96
CL162.37-04	INFLUENT	MS	22153-01	Water	12/16/96	12/16/96
CL162.37-05	INFLUENT	MSD	22153-01	Water	12/16/96	12/16/96

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 16, 1996

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22159-01	TANK WATER	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	22159-01 Conc. ug/L	RL
Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	1.1	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	0.9	0.5
>> Surrogate Recoveries (%) <<		
Trifluorotoluene (SS)	108	

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 22159
Method Blank(s)

	CL162.37-01 Conc. ug/L	RL
Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	ND	0.5
>> Surrogate Recoveries (%) <<		
Trifluorotoluene (SS)	102	

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 22159

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L) CL162.37 02 / 03 - Laboratory Control Spikes						
Gasoline_Range		2000	1800/1800	90/90	65-135	0
Benzene		20	19/20	95/100	65-135	5
Toluene		20	20/21	100/105	65-135	5
Ethyl Benzene		20	20/21	100/105	65-135	5
Total Xylenes		60	60/62	100/103	65-135	3
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				109/103	50-150	
For Water Matrix (ug/L) CL162.37 04 / 05 - Sample Spiked: 22153 - 01						
Gasoline_Range	ND	2000	1800/1800	90/90	65-135	0
Benzene	ND	20	23/23	115/115	65-135	0
Toluene	ND	20	22/21	110/105	65-135	5
Ethyl Benzene	ND	20	22/22	110/110	65-135	0
Total Xylenes	ND	60	67/66	112/110	65-135	2
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				107/109	50-150	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Superior Analytical Laboratory

Weiss Associates
5500 Shellmound. Suite 100
Emeryville, CA 94608

Date: December 15, 1996

Attn: JIM PONTON

Laboratory Number : 22159

Project Number/Name : 14-0307-22

Dear JIM PONTON:

Attached is Superior Analytical Laboratory report for the samples received on December 6, 1996. This report has been reviewed and approved for release. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

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We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,

Afsaneh Salimpour
Project Manager

Superior
Analytical Laboratory

CASE NARRATIVE

Weiss Associates
Project Number/Name: 14-0307-22
Laboratory Number: 22159

Sample Receipt

Two water samples were received by
Superior Analytical Laboratory on December 6, 1996.

Cooler temperature was 5.1°C

No abnormalities were noted with sample recieving.

Sample Analysis

The samples were analysed for methods 160.2, 8010, 8015M, 8310 and HOLD.

Customer Service: (800) 521-6109 • Laboratory: (510) 313-0850 • Facsimile: (510) 229-0916
Post Office Box 2648 • 835 Arnold Drive • Suite #106 • Martinez, California 94553
1555 Burke Street • Suite A • San Francisco, California 94124

Superior Analytical Laboratory

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 12, 1996

Total Suspended Solids by Method 160.2

Chronology

Laboratory Number 22159

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TANK WATER	12/06/96	12/06/96	12/11/96	12/11/96	CL111.32	01

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
CL111.32-01	Method Blank	MB	Water	12/11/96	12/11/96
CL111.32-02	HW-2-2	DUP 22149-01	Water	12/11/96	12/11/96

Superior
Analytical Laboratory

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 12, 1996

Total Suspended Solids by Method 160.2

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22159-01	TANK WATER	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	22159-01 Conc.	RL mg/L
TSS	170	10

Superior
Analytical Laboratory

Total Suspended Solids by Method 160.2

Quality Assurance and Control Data

Laboratory Number: 22159
Method Blank(s)

	CL111.32-01	
	Conc.	RL
	mg/L	
TSS	ND	10

Superior Analytical Laboratory

Total Suspended Solids by Method 160.2

Quality Assurance and Control Data

Laboratory Number: 22159
Sample Duplicates

QC Batch CL111.32-02
22149-01 Sample

	DUP	mg/L	RPD	Limit
TSS	140	130	7	25

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Superior
Analytical Laboratory

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 13, 1996

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3510

Chronology

Laboratory Number 22159

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TANK WATER	12/06/96	12/06/96	12/12/96	12/13/96	CL121.64	01

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
CL121.64-01	Method Blank	MB	Water	12/12/96	12/13/96
CL121.64-02	Laboratory Spike	LS	Water	12/12/96	12/13/96
CL121.64-03	Laboratory Spike Duplicate	LSD	Water	12/12/96	12/13/96

Superior
Analytical Laboratory

Weiss Associates
Attn: JIM PONTON

Project 14-0307-22
Reported on December 13, 1996

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3510

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22159-01	TANK WATER	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	22159-01 Conc. ug/L	RL
Naphthalene	ND	2.0
Acenaphthylene	ND	2.0
Acenaphthene	ND	2.0
Fluoranthene	ND	0.1
Phenanthrene	ND	0.5
Anthracene	ND	0.5
Fluorene	ND	0.2
Pyrene	ND	0.1
Chrysene	ND	0.1
Benzo(a)Anthracene	ND	0.1
Benzo(b)Fluoranthene	ND	0.05
Benzo(k)Fluoranthene	ND	0.05
Benzo(a)Pyrene	ND	0.05
Indeno(1,2,3)Pyrene	ND	0.1
Dibenzo(a,h)Anthracene	ND	0.1
Benzo(g,h,i)Perylene	ND	0.1
>> Surrogate Recoveries (%) <<		
1-Fluoronaphthene	99	

Superior
Analytical Laboratory

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3510

Quality Assurance and Control Data

Laboratory Number: 22159
Method Blank(s)

	CL121.64-01 Conc. ug/L	RL
Naphthalene	ND	2.0
Acenaphthylene	ND	2.0
Acenaphthene	ND	2.0
Fluoranthene	ND	0.1
Phenanthrene	ND	0.5
Anthracene	ND	0.5
Fluorene	ND	0.2
Pyrene	ND	0.1
Chrysene	ND	0.1
Benzo(a)Anthracene	ND	0.1
Benzo(b)Fluoranthene	ND	0.05
Benzo(k)Fluoranthene	ND	0.05
Benzo(a)Pyrene	ND	0.05
Indeno(1,2,3)Pyrene	ND	0.1
Dibenzo(a,h)Anthracene	ND	0.1
Benzo(g,h,i)Perylene	ND	0.1
>> Surrogate Recoveries (%) <<		
1-Fluoronaphthene	122	

Superior Analytical Laboratory

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3510

Quality Assurance and Control Data

Laboratory Number: 22159

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L) CL121.64 02 / 03 - Laboratory Control Spikes						
Naphthalene		20	21/22	105/110	70-130	5
Acenaphthylene		20	22/24	110/120	70-130	9
Acenaphthene		20	20/22	100/110	70-130	10
Phenanthrene		20	21/22	105/110	70-130	5
Anthracene		20	20/21	100/105	70-130	5
Fluorene		20	21/23	105/115	70-130	9
Benzo(k)Fluoranthene		20	22/24	110/120	70-130	9
>> Surrogate Recoveries (%) <<						
1-Fluoronaphthene				96/103	50-150	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Superior Analytical	Client Project ID:	22159	Sampled: Dec 6, 1996
825 Arnold Dr., Ste. 114	Sample Descript:	Water, Tank Water	Received: Dec 16, 1996
Martinez, CA 94553	Analysis Method:	EPA 5030/8010	Analyzed: Dec 17, 1996
Attention: Afsaneh Salimpour	Lab Number:	612-1006	Reported: Dec 17, 1996

QC Batch Number: GC121696801007A

Instrument ID: HP-7

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	96
4-Bromofluorobenzene	50	150	97

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Superior Analytical
825 Arnold Dr., Ste. 114
Martinez, CA 94553
Attention: Afsaneh Salimpour

Client Project ID: 22159
Matrix: Liquid
QC Sample Group: 6121006

Reported: Dec 18, 1996

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene
QC Batch#:	GC121696 801007A	GC121696 801007A	GC121696 801007A
Analy. Method:	EPA 8010	EPA 8010	EPA 8010
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	P. Horton	P. Horton	P. Horton
MS/MSD #:	6120905	6120905	6120905
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	12/16/96	12/16/96	12/16/96
Analyzed Date:	12/16/96	12/16/96	12/16/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	11	11	10
MS % Recovery:	109	109	101
Dup. Result:	12	12	11
MSD % Recov.:	120	117	107
RPD:	11	7.0	5.7
RPD Limit:	0-25	0-25	0-25

LCS #:	LCS121796	LCS121796	LCS121796
Prepared Date:	12/17/96	12/17/96	12/17/96
Analyzed Date:	12/17/96	12/17/96	12/17/96
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	11	11	9.6
LCS % Recov.:	112	105	96

MS/MSD LCS Control Limits	65-135	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Jim Bava
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

CHAIN OF CUSTODY AND ANALYSIS REQUEST

SALs Job Number: 22159 9612208

Superior Analytical Laboratory 825 Arnold Dr. Suite 114 Martinez, CA 94553 Fax/Tel.: 510-229-1526/510-313-0850 Contact: Afsaneh Salimpour	Bill to: Superior Analytical Laboratory P.O. Box. 2648 Martinez, California 94553 Project: 14-0307-22 PO#: 2093

Work Subcontracted to : Sequoia
404 N. Wiget Ln
Walnut Creek, CA 94596
Phone 510-988-9600 Fax 510-988-9673

Lab#	Client ID	Sampled	#Con	Pres.	Due	Analysis
01	TANK WATER	WG 12/06/96	3		~~12/16/96~~ 12/17/96	8010

6121006

Use client sample ID on C.O.A !

[ ] Fax invoice or quote ASAP [X] Fax results to SAL-Martinez
[ ] Fax results to our client

HOLD TIME UP 12/20/96

E 3 05

Rush

Samples stored in ice : ____ Appropriate Containers : ____ Samples preserved : ____ VOAs without headspace : ____

Relinquished By: _____ Date: 12/16/96 Time: 14:15 Received By: _____ Date: 12/16/96 Time: 14:15

Relinquished By: _____ Date: / / Time : Received By: _____ Date: / / Time :

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

Please send analytic results and a copy of the signed chain of custody form to:
~~H~~ Jim Ponton
Project ID: H-0307-22

22159

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: PMN/HT Laboratory Name: SPA

No. of Containers	Sample ID	Container Type[1]	Sample Date	Vol[2]	Fil[3]	Ref[4]	Preservative (specify)	Analyze for	Analytic Method	Turn[5]	COMMENTS
1	TANK WATER	P	12/6/96	250ml	N	Y	None	~~CAM 17~~ *HOLD Metals	CAM 17	*HOLD	*HOLD
2		B		1L				SVOCs	EPA 8270	*HOLD	*HOLD
2		P		500ml				Tot. Suspended Solids	EPA 160.2	N	
↓		B		1L				PNAs	EPA 8310		
3		W/V		40ml				VOCs	EPA 8010		
2		B		1L				TPH-D	8015 Modified		
3		W/V		40ml				TPH-G	8015 Modified		
3	TB/LB	W/V	↓	↓	↓	↓	↓	VOCs	EPA 8010	*HOLD	HOLD

Please Initial:
Samples Stored in ice. 3.1°C
Appropriate containers
Samples preserved
VOA's without headspace
Comments:
Seal intact?

1 Herb Zoot 12/6/96 1227
Released by (Signature), Date

3 [signature] 12/6/96 2300
Released by (Signature), Date

5
Released by (Signature), Date

1 W.A.
Affiliation

3 SAL
Affiliation

5
Affiliation

2 [signature] 12/6/96 2328
Received by (Signature), Date

4
Shipping Carrier, Method, Date

6 [signature] 12/6/96 1550
Received by Lab Personnel, Date

2 SAL
Affiliation

4
Affiliation

6
Affiliation, Telephone

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)]

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