RO196 JW

CAMBRIA

January 24, 2006

Mr. Barney Chan
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County
FEB 03 2006
Environmental Health

RE: Groundwater Monitoring Report - Fourth Quarter 2005
Chiu Property
800 Franklin Street
Oakland, California 94607
STID No. 37

Dear Mr. Chan:

On behalf of Mr. Tommy Chiu, Cambria Environmental Technology, Inc (Cambria) is submitting the *Groundwater Monitoring Report – Fourth Quarter 2005*. Presented in the report are the fourth quarter 2005 activities and results, and the anticipated first quarter 2006 activities.

If you have any questions or comments regarding this report, please call me at (510) 420-3314.

Sincerely,
Cambria Environmental Technology, Inc.

Matthew A. Meyers
Project Geologist

Enclosure: *Groundwater Monitoring Report – Fourth Quarter 2005*

cc: Ms. Anny Chiu, P.O. Box 28194, Oakland, California 94606

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

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FEB 02 2006
ENVIRONMENTAL HEALTH SERVICES

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GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2005

Chiu Property
800 Franklin Street
Oakland, California
STID No. 37
Cambria Project No. 589-1000

January 24, 2006

Prepared for:

Mr. Tommy Chiu
P.O. Box 28194
Oakland, California 94606

Prepared by:

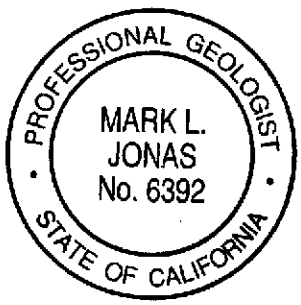
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:

Matthew Meyers
Project Geologist

To the best of my knowledge and Cambria Environmental Technology, Inc., the data contained herein are true and accurate. The data, findings, recommendations, specifications or professional opinions presented herein were prepared in accordance with generally accepted practice. We make no warranty, either expressed or implied. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature.

Mark Jonas, P.G.
Senior Project Manager



CAMBRIA

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2005

Chiu Property
800 Franklin Street
Oakland, California
STID No. 37
Cambria Project No. 589-1000

January 24, 2006

INTRODUCTION

This report describes the fourth quarter 2005 groundwater monitoring activities performed at 800 Franklin Street, Oakland, California (Figure 1). This groundwater monitoring event was conducted at the request of the Alameda County Department of Environmental Health (ACDEH). This report presents a summary of fourth quarter 2005 activities, monitoring results, and activities anticipated in first quarter 2006.

FOURTH QUARTER 2005 ACTIVITIES

Monitoring Activities

On December 16, 2005, Muskan Environmental Sampling (MES) conducted quarterly groundwater monitoring activities at the site. MES measured groundwater levels and collected groundwater samples from monitoring wells MW-1, MW-2, MW-4, MW-5, and MW-6 (Figure 2). Well MW-3 was inaccessible and therefore could not be monitored. Copies of the field data sheets are included as Appendix A.

Water Level Measurements: Depth to groundwater measurements were recorded to the nearest 0.01-foot, relative to a previously established reference elevation. Measurements were collected using an electric, conductance-actuated well sounder. The groundwater elevation and depth data are presented in Table 1.

Groundwater Sampling: MES collected groundwater samples from wells MW-1, MW-2, MW-4, MW-5, and MW-6. Field activities associated with groundwater sampling included well purging, measuring groundwater parameters, sample collection, and equipment decontamination. See the field data sheets in Appendix A.

Prior to sampling, each monitoring well was purged. MES purged at least three well-casing volumes of groundwater from each monitoring well. Field measurements of pH, specific conductance, and temperature of purged groundwater were measured after the extraction of each successive casing volume. Well purging continued until consecutive pH, specific conductance, and temperature measurements appeared to stabilize. Field measurements, purge volumes, and sample collection data were recorded on field sampling data sheets, presented in Appendix A.

Groundwater samples were collected from each of the wells using new disposable bailers. The samples were decanted from the bailers into 40-milliliter (mL) glass volatile organic analysis (VOA) vials supplied by McCampbell Analytical, Inc. (McCampbell) of Pacheco, California. Samples were labeled, placed in protective foam sleeves, stored on crushed, water-based ice at or below 4 degrees Celsius and transported under a chain-of-custody (COC) to the laboratory. The COC used for this monitoring event is provided in Appendix B.

Equipment Decontamination: To minimize the potential for cross-contamination, the groundwater monitoring equipment was decontaminated prior to being deployed in the first monitoring well and between successive wells. The probe of the electric well sounder used for water level measurements was rinsed thoroughly with distilled water prior to first use and between subsequent water level measurements. The disposable bailers were discarded after use at each well.

Sample Analysis: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified United States Environmental Protection Agency (EPA) Method SW8015C. Samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA Method SW8021B. The analyses were performed by McCampbell. The laboratory analytical report is included in Appendix B. Groundwater analytical results are presented on Figure 2 and summarized in Table 1.

Monitoring Results

Groundwater Flow Direction and Gradient: Depth-to-water measurements collected on December 16, 2005, ranged from 20.78 to 22.03 feet below top of casing. Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed top of casing elevations. The groundwater elevations were plotted on a site plan and contoured. Based on depth-to-water data collected during the site visit, groundwater appears to flow towards the northwest at a gradient of 0.01 feet/foot. Depth-to-water and groundwater elevation data for the site are summarized in Table 1 and presented on Figure 2.

Groundwater Analytical Results: Hydrocarbons were detected in two (MW-2 and MW-6) of the five wells sampled during the fourth quarter 2005 event. TPHg and BTEX were detected in the samples collected from wells MW-2 and MW-6. The maximum TPHg and BTEX concentrations were detected in well MW-2 at 32,000 µg/L, 1,000 µg/L, 3,100 µg/L, 760 µg/L, and 3,800 µg/L, respectively. The TPHg and BTEX concentrations detected in well MW-6 were 3,600 µg/L, 560 µg/L, 63 µg/L, 33 µg/L and 230 µg/L, respectively. No MTBE was detected above laboratory reporting limits in any of the wells (Table 1, Appendix B).

Waste Disposal

On December 16, 2005, approximately 30 gallons of purged groundwater from the fourth quarter 2005 monitoring event was transported for disposal by Evergreen Environmental Services to Evergreen Oil, Inc. in Newark, California. The waste manifest for this event will be provided in the *Groundwater Monitoring Report - First Quarter 2006*. A copy of the Non-Hazardous Waste Manifest for disposal of purge water generated in the third quarter 2005 monitoring event is provided in Appendix C.

GeoTracker Submittals

Cambria uploaded relevant data to the GeoTracker database on behalf of Mr. Tommy Chiu. Cambria has uploaded fourth quarter 2005 groundwater depth data, analytical results, and this report to the State's GeoTracker database.

ANTICIPATED FIRST QUARTER 2006 ACTIVITIES

Monitoring Activities

Cambria will measure water levels and collect groundwater samples from wells MW-1, MW-2, and MW-4 through MW-6. Groundwater samples will be analyzed for TPHg by modified EPA Method SW8015C, and BTEX and MTBE by EPA Method SW8021B. Cambria will prepare a groundwater monitoring report summarizing the monitoring activities and results.

Meeting Request

Cambria requests a meeting with the ACDEH to develop an approach that addresses the agency concerns relating to the site. Specifically, the discussion would address groundwater monitoring frequency, the status of well MW-3, and potential future investigation and remediation activities.

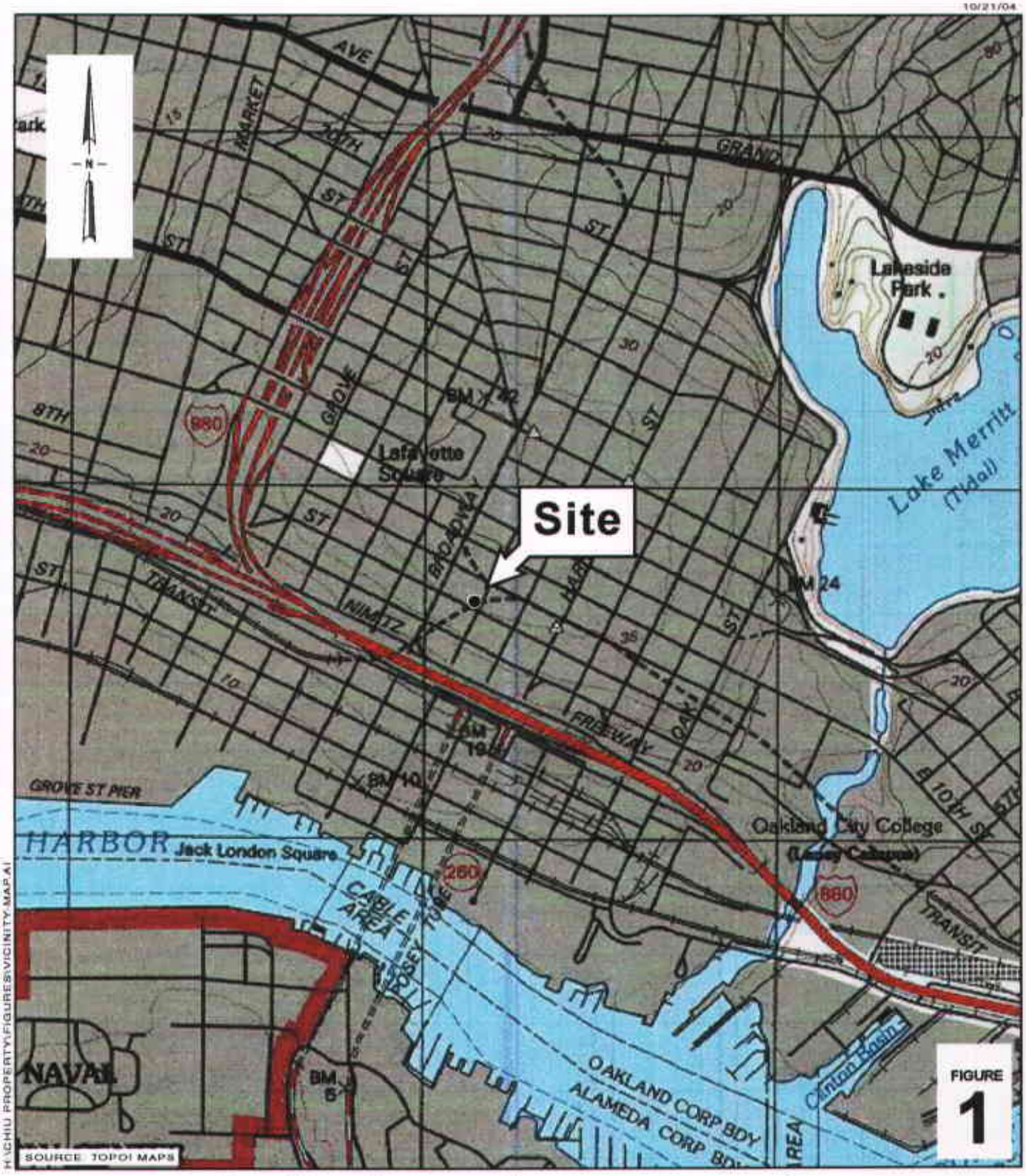
ATTACHMENTS

Figure 1 – Vicinity Map
Figure 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Groundwater Analytical and Elevation Data

Appendix A – Groundwater Monitoring Field Data Sheets
Appendix B – Laboratory Analytical Report
Appendix C – Non-Hazardous Waste Manifest

H:\Chiu - Oakland\QMR\4q05\GMR 4Q05 589-1000.doc



0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chiu Property

800 Franklin Street

Oakland, California

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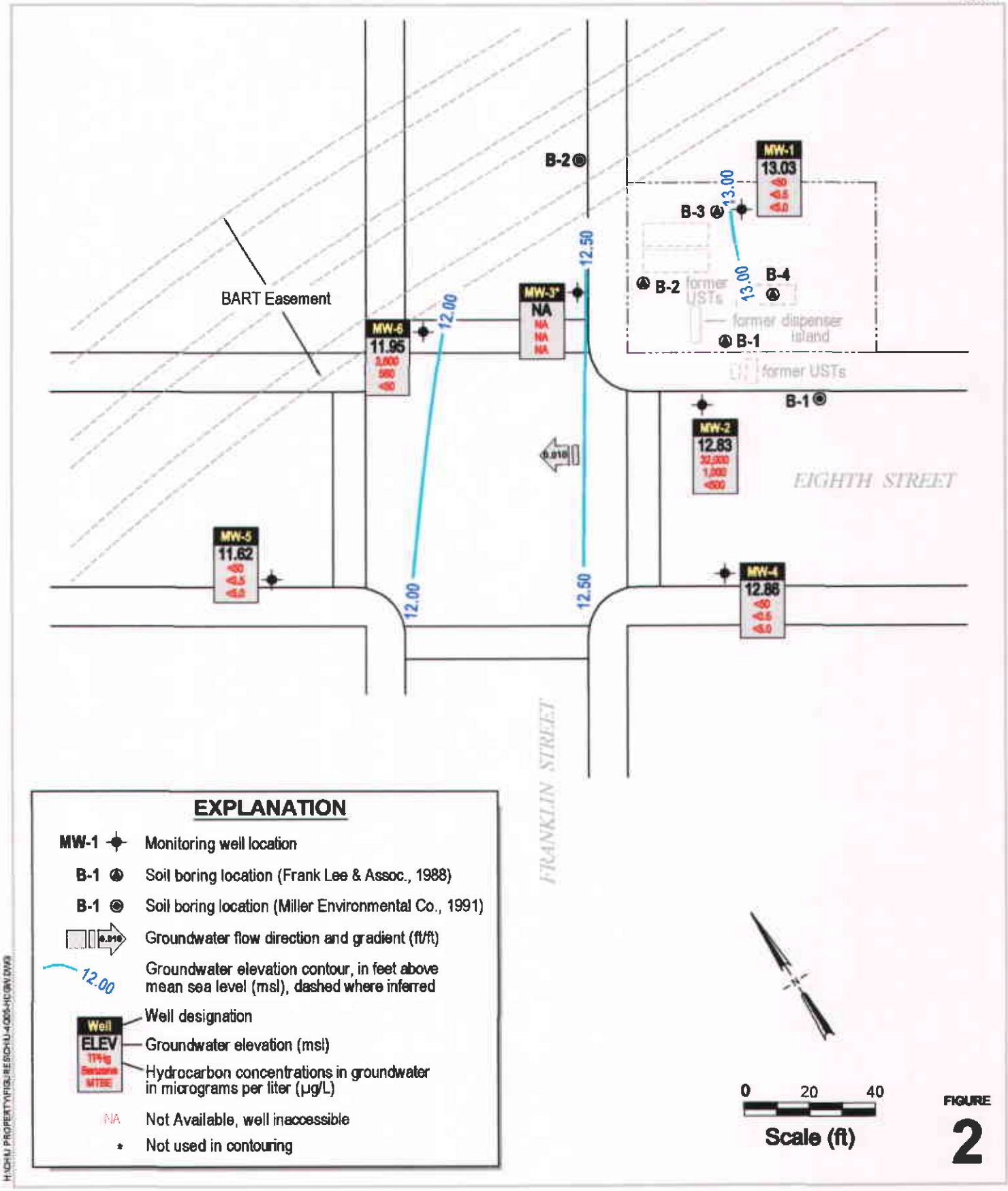
Vicinity Map



Chiu Property

800 Franklin Street

Oakland, California

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Groundwater Elevation Contour and Hydrocarbon Concentration Map

December 16, 2005

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Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - Chiu Property, 800 Franklin Street, Oakland, California

Well ID *TOC Elevation* (ft amsl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← µg/L →					
MW-1	8/10/2004	23.35	10.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
33.98	9/28/2004[+]	--	--	--	--	--	--	--	--
	12/21/2004	22.93	11.05	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	3/11/2005[+]	--	--	--	--	--	--	--	--
	6/16/2005	20.68	13.30	ND<50	0.64	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	9/1/2005	20.74	13.24	ND<50	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	12/16/2005	**20.95**	**13.03**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**
MW-2	8/10/2004	21.03	12.63	47,000 (a)	4,200	4,900	1,400	6,000	ND<500
33.66	9/28/2004	22.95	10.71	--	--	--	--	--	--
	12/21/2004	20.91	12.75	13,000 (a)	500	310	34	1600	ND<100
	3/11/2005	11.35	22.31	32,000 (a)	970	2,400	890	4,200	ND<1,000
	6/16/2005	20.50	13.16	43,000 (a,i)	1,500	3,400	1,200	5,400	ND<1,200
	9/1/2005	20.60	13.06	20,000 (a)	640	1,700	460	2,200	ND<200
	12/16/2005	**20.83**	**12.83**	**32,000 (a,i)**	**1,000**	**3,100**	**760**	**3,800**	**ND<500**
MW-3	9/28/2004			*Well is damaged. Unable to measure depth to water or collect sample.*					
34.23	12/21/2004			*Well is damaged. Unable to measure depth to water or collect sample.*					
	3/11/2005			*Well is damaged. Unable to measure depth to water or collect sample.*					
	6/16/2005			*Well is damaged. Unable to measure depth to water or collect sample.*					
	9/1/2005			*Well is damaged. Unable to measure depth to water or collect sample.*					
	12/16/2005			*Well is damaged. Unable to measure depth to water or collect sample.*					
MW-4	9/28/2004	22.72	10.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
33.64	12/21/2004	20.65	12.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	3/11/2005	20.20	13.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	6/16/2005	20.38	13.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	9/1/2005	20.48	13.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	12/16/2005	**20.78**	**12.86**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**

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Table 1. Groundwater Analytical and Elevation Data: Petroleum Hydrocarbons - Chiu Property, 800 Franklin Street, Oakland, California

Well ID *TOC Elevation* (ft amsl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (feet amsl)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
				← µg/L →					
MW-5	9/28/2004	23.70	9.86	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	ND<5.0
33.56	12/21/2004	21.40	12.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	3/11/2005	21.40	12.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	6/16/2005	21.63	11.93	ND<50 (i)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	9/1/2005	21.65	11.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	12/16/2005	**21.94**	**11.62**	**ND<50 (i)**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**
MW-6	9/28/2004	24.00	9.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
33.98	12/21/2004	21.61	12.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0
	3/11/2005	21.60	12.38	340 (a)	1.9	2.6	0.68	0.61	ND<5.0
	6/16/2005	21.81	12.17	1,300 (a)	58	8.3	6.1	4.0	ND<25
	9/1/2005	21.82	12.16	1,900 (a)	150	19	18	76	ND<12
	12/16/2005	**22.03**	**11.95**	**3,600 (a,i)**	**560**	**63**	**33**	**230**	**ND<50**

Abbreviations:

ND<5.0 = Not detected above detection limit.

-- = Not available, not analyzed, or does not apply

TOC = Top of casing

ft = Measured in feet

amsl = Above mean sea level

µg/L = Micrograms per liter

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C.

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B.

MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B.

+ = Unable to access well due to denial by current tenant or tenant business closed.

Notes:

(a) = unmodified or weakly modified gasoline is significant

(i) = liquid sample that contains ~1 vol. % sediment

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ENVIRONMENTAL
SAMPLING

WELL GAUGING SHEET

Client: Cambria Environmental Technology Inc.

Site Address: 800 Franklin Street Oakland, CA

Date: 12/16/2005 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	11:20		20.95		33.31	
MW-2	9:30		20.83		34.30	
MW-3		Inaccessible				
MW-4	9:25		20.78		33.61	
MW-5	9:20		21.94		34.57	
MW-6	9:15		22.03		32.87	

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/16/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	800 Franklin Street Oakland, CA
Well ID:	MW-1
Well Diameter:	2"
Purging Device:	*Disposable Bailer*
Sampling Method:	Disposable Bailer

Total Well Depth:	33.31	**Fe=**	**mg/L**
Depth to Water:	20.95	**ORP=**	**mV**
Water Column Height:	12.36	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.98	**COMMENTS:**	
3 Casing Volumes (gal):	5.93		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
11:25	2.0	22.4	6.95	690
11:30	4.0	22.6	7.02	681
11:35	5.9	22.6	7.04	674

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1	12/16/2005	11:40	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/16/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	800 Franklin Street Oakland, CA
Well ID:	MW-2
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	34.30	**Fe=**	**mg/L**
Depth to Water:	20.83	**ORP=**	**mV**
Water Column Height:	13.47	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.16		
3 Casing Volumes (gal):	6.47		

COMMENTS:
turbid, odor

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:20	2.2	21.9	6.50	1097
10:25	4.3	21.7	6.58	1079
10:30	6.5	21.8	6.60	1081

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2	12/16/2005	10:35	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/16/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	800 Franklin Street Oakland, CA
Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	33.61	**Fe=**	**mg/L**
Depth to Water:	20.78	**ORP=**	**mV**
Water Column Height:	12.83	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.05	**COMMENTS:**	
3 Casing Volumes (gal):	6.16		

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
9:50	2.1	20.7	6.62	645
9:55	4.1	20.6	6.58	599
10:00	6.2	20.2	6.58	610

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4	12/16/2005	10:05	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021
				Signature:		

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ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/16/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	800 Franklin Street Oakland, CA
Well ID:	MW-5
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	34.57	**Fe=**	**mg/L**
Depth to Water:	21.94	**ORP=**	**mV**
Water Column Height:	12.63	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	2.02		
3 Casing Volumes (gal):	6.06		

COMMENTS:
slightly turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
12:05	2.0	21.2	7.10	606
12:10	4.0	20.8	7.03	590
12:15	6.1	20.9	7.01	596

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-5	12/16/2005	12:20	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021
				Signature:		

MUSKAN
ENVIRONMENTAL
SAMPLING

WELL SAMPLING FORM

Date:	12/16/2005
Client:	Cambria Environmental Technology Inc.
Site Address:	800 Franklin Street Oakland, CA
Well ID:	MW-6
Well Diameter:	2"
Purging Device:	Disposable Bailer
Sampling Method:	Disposable Bailer

Total Well Depth:	32.87	**Fe=**	**mg/L**
Depth to Water:	22.03	**ORP=**	**mV**
Water Column Height:	10.84	**DO=**	**mg/L**
Gallons/ft:	0.16		
1 Casing Volume (gal):	1.73		
3 Casing Volumes (gal):	5.20		

COMMENTS:
turbid

TIME:	CASING VOLUME (gal)	TEMP (Celsius)	pH	COND. (µS/cm)
10:50	1.7	22.1	6.79	777
10:55	3.5	21.8	6.74	773
11:00	5.2	22.0	6.77	771

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6	12/16/2005	11:05	Voa	HCl, ICE	TPHg, BTEX, MTBE	8015, 8021
				Signature:		

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #589-1000; Chiu	Date Sampled: 12/16/05
5900 Hollis St, Suite A		Date Received: 12/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Reported: 12/22/05
	Client P.O.:	Date Completed: 12/22/05

WorkOrder: 0512307

December 22, 2005

Dear Matt:

Enclosed are:

1). the results of **5** analyzed samples from your **#589-1000; Chiu project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #589-1000; Chiu	Date Sampled: 12/16/05
5900 Hollis St, Suite A		Date Received: 12/16/05
Emeryville, CA 94608	Client Contact: Matt Meyers	Date Extracted: 12/16/05
	Client P.O.:	Date Analyzed: 12/16/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0512307

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	104
002A	MW-2	W	32,000,a,i	ND<500	1000	3100	760	3800	100	105
003A	MW-4	W	ND	ND	ND	ND	ND	ND	1	103
004A	MW-5	W	ND,i	ND	ND	ND	ND	ND	1	102
005A	MW-6	W	3600,a,i	ND<50	560	63	33	230	10	112
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512307

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 19499** **Spiked Sample ID: 0512306-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	102	108	5.65	114	101	12.0	70 - 130	70 - 130
MTBE	ND	10	104	104	0	110	99.4	10.2	70 - 130	70 - 130
Benzene	ND	10	97.2	97.4	0.185	92.8	94.4	1.77	70 - 130	70 - 130
Toluene	ND	10	98.6	101	2.72	98.4	97.2	1.22	70 - 130	70 - 130
Ethylbenzene	ND	10	99	99.8	0.822	94.6	97.6	3.12	70 - 130	70 - 130
Xylenes	ND	30	100	100	0	95.3	100	4.78	70 - 130	70 - 130
%SS:	106	10	101	100	0.657	103	98	4.91	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 19499 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512307-001A	12/16/05 11:40 AM	12/16/05	12/16/05 5:13 PM	0512307-002A	12/16/05 10:35 AM	12/16/05	12/16/05 9:22 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512307

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 19500 Spiked Sample ID: 0512321-004B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	102	106	4.13	102	102	0	70 - 130	70 - 130
MTBE	ND	10	98.7	103	3.77	99.8	103	3.01	70 - 130	70 - 130
Benzene	ND	10	92.8	93.2	0.412	96	97.6	1.66	70 - 130	70 - 130
Toluene	ND	10	94.4	95.6	1.26	98.4	99.7	1.36	70 - 130	70 - 130
Ethylbenzene	ND	10	94.7	96.9	2.30	98.6	100	1.84	70 - 130	70 - 130
Xylenes	ND	30	95.3	99.3	4.11	100	100	0	70 - 130	70 - 130
%SS:	112	10	100	99	0.581	99	100	1.06	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 19500 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512307-003A	12/16/05 10:05 AM	12/16/05	12/16/05 5:43 PM	0512307-004A	12/16/05 12:20 PM	12/16/05	12/16/05 6:13 PM
0512307-005A	12/16/05 11:05 AM	12/16/05	12/16/05 9:51 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

0512307 CETE

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

EDF Required? Yes / No

Report To: Matt Meyers Bill To: Cambria Environmental Tech.
Company: Cambria Environmental Technology
5900 Hollis Street Suite A
Emeryville, CA 94608 E-Mail: mmeyers@cambria-env.com
Tele: 510-420-3314 Fax: 510-420-9170
Project #: 589-1000 Project Name: Chiu
Project Location: 800 Franklin St. Oakland, CA
Sampler Signature: Muskan Environmental Sampling

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
*	MW-1		12-16-05	11:40	3	VOA	X					X	X		
*1	MW-2			10:35											
*1	MW-4			10:05											
*1	MW-5			12:20											
*1	MW-6			11:05	X										
	TB		X		1	X	X					X	X		

Analysis Request

MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 B/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505 / 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	Fuel Additives (MTBE, ETBE, TAME, DIPE, TBA, 1,2 – DCA, 1,2 – EDB, ethanol) by 8260B	If Mtbe is detected by 8021 confirm by 8260B	Other	Other	Other	Comments
X																Filter Samples for Metals analysis: Yes / No
X																
X																
X																
X																
																Hold

Relinquished By:	Date:	Time:	Received By:
	12/16/05	2147	
Relinquished By:	Date:	Time:	Received By:

ICE/T ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512307 **ClientID: CETE** **EDF: YES**

Report to:
Matt Meyers
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #589-1000; Chiu
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days
Date Received: **12/16/2005**
Date Printed: **12/16/2005**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0512307-001	MW-1	Water	12/16/2005	☐	A	A										
0512307-002	MW-2	Water	12/16/2005	☐	A											
0512307-003	MW-4	Water	12/16/2005	☐	A											
0512307-004	MW-5	Water	12/16/2005	☐	A											
0512307-005	MW-6	Water	12/16/2005	☐	A											

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Juanita Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

NON-HAZARDOUS WASTE MANIFEST

EES20

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EXEMPT

Manifest Document No.: NH 1873

2. Page 1 of 1

3. Generator's Name and Mailing Address: CAMBRIA ENVIRONMENTAL
5900 HOLLIS ST, SUITE A, EMERYVILLE CA 94608

4. Generator's Phone (510) 420-3312

5. Transporter 1 Company Name: EVERGREEN ENVIRONMENTAL SERVICE

6. US EPA ID Number: CAD982413262

A. State Transporter's ID

B. Transporter 1 Phone: 510-795-4400

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EVERGREEN OIL INC
6880 SMITH AVE
NEWARK CA 94560

10. US EPA ID Number: CAD980887418

E. State Facility's ID

F. Facility's Phone: 510-795-4400

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON HAZARDOUS WASTE LIQUID. (PURGE WATER)	1	DM	30	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: NE PURGE WATER

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: SITE LOCATION: 800 FRALN ST OAKLAND CA
ERG 171
24 HR ER PHONE 800-424-9300

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Sanjiv Gill

Signature

Date: Month 09 Day 01 Year 2005

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MALCOLM SMITH

Signature: Malcolm Smith

Date: Month 9 Day 1 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: GINO AMERI

Signature

Date: Month 09 Day 02 Year 05

NON-HAZARDOUS WASTE