CAMBRIA

May 30, 2006

Mr. Danilo Galang
City of Hayward Fire Department
777 B Street
Hayward, CA 95451

Re: **Sub-Slab Vapor Investigation**
Former Chevron Station 21-2141 (9-7262)
27771-27796 Vasona Court
Hayward, California
Cambria Project No. 31J-2043

Dear Mr. Galang:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) has assessed the vapor intrusion exposure pathway at the site referenced above. This work was initiated by the property owner's desire to convert the current apartments to condominiums for sale. To facilitate financing, the appropriate regulatory agency needed to provide a letter of habitability. The lead agency, Hayward Fire Department, requested assistance from the San Francisco Bay Regional Water Quality Control Board (RWQCB) with technical advice to investigate possible hydrocarbon vapor intrusion potential. Data from this investigation will facilitate the generation of the "habitability letter." No specific regulatory letter was generated as these discussions with both agencies were conducted by phone and email. Presented below are a site description, history and investigation results.

SITE BACKGROUND

The site is a former Chevron service station located across from the intersection of West Tennyson Road and Ruus Road in Hayward, California (Figure 1). Chevron operated a station at this location from 1960 to 1974. A July 2001 report by AEI Consultants (AEI), titled *Phase II Subsurface Investigation*, documents that the station facilities consisted of three fuel underground storage tanks (USTs) with 2,000, 5,000 and 6,000 gallon capacities and one 550 gallon used-oil UST. Aerial photos indicate the presence of only one dispenser island.

Topography around the site is flat, at an elevation of approximately 20 feet above mean sea level (Figure 1). The site has been redeveloped with condominiums/apartments (Vasona Court Apartments) and surrounding land use is both commercial and residential. The nearest surface water has been identified as Ward Creek, located approximately 1,000 feet southwest of the site.

Cambria Environmental Technology, Inc.

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

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SITE GEOLOGY/HYDROGEOLOGY

The site lies in the San Lorenzo Sub-area of the East Bay Plain Groundwater Basin. Sediments described by AEI Consultants consisted of silty clay overlying clay. A KHM report titled *Interim Remedial Action Plan*, dated January 30, 2002, documented a fine sand zone from 9-13 feet below grade (fbg) containing an apparently perched water zone. KHM identified a second water-bearing sand from 15 to 20 fbg.

INVESTIGATION RESULTS

The investigation objective was to assess the risk of vapor intrusion to the residents of the Vasona Court apartments. To meet this objective, Cambria installed three sub-slab vapor points above the former UST pit, used-oil tank, and dispenser islands of the former Chevron service station. Laboratory analytic results for soil and soil vapor are presented in Attachment A.

Vapor Probe Locations: Vapor probe locations are shown on the site plan (Figure 2).

Project Personnel: Senior Staff Geologist Charlotte Evans and Senior Staff Scientist Michael Lanning conducted vapor probe installations, and Senior Staff Geologist Charlotte Evans conducted sub-slab soil vapor sampling under the supervision of Professional Geologist Robert Foss.

Installation Dates: March 6, 2006.

Soil Sampling Dates: March 7, 2006.

Sub-slab Soil Vapor Sampling Dates: March 7 and April 10, 2006.

Soil Sampling Technique: Soil samples were collected from 5 points (PB-1 thorough PB-5) at 0.5-1.0 fbg in clean brass sampling tubes, capped with Teflon tape and plastic caps. All samples were labeled, placed on ice, and transported to Lancaster Laboratories following prescribed chain of custody procedures.

Vapor Probe Construction

Cambria installed temporary soil vapor sample probes VP-1 through VP-3 (Figure 2). VP-1 was installed in the patio located above the former tank pit, VP-2 was installed in the garage located above the former used oil UST and VP-3 was installed in a patio located in the area of the former dispenser islands.

Prior to drilling holes in the slab, utilities coming into the building from the outside were identified and marked and any internal locations where utilities penetrate the slab (e.g., furnace, water heater, circuit breaker box, water or sewer lines) were determined. Sub-slab monitoring point locations where utilities penetrate the slab were avoided as these may be potential entry points for downward oxygen migration through the slab.

A rotary hammer drill was used to create a 1-inch deep "outer" hole that partially penetrated the slab. A small portable vacuum cleaner was used to remove cuttings from the hole. The rotary hammer drill was then be used to create a smaller diameter "inner" hole through the remainder of the slab into sub-slab material. Drilling into sub-slab material created an open cavity which prevented obstruction of probes by small pieces of gravel.

The basic design of a sub-slab vapor probe is illustrated on Figure 3. Once the thickness of the slab was known, stainless steel or brass tubing was cut to ensure that the probe tubing did not reach the bottom of the hole to avoid obstruction of the probe with sub-slab material. Sub-slab vapor probes were constructed using stainless steel tubing and stainless-steel or brass compression fittings. Stainless-steel or brass materials were used to ensure that construction materials were not a source of VOCs.

The sub-slab vapor probes were set in the hole. As illustrated in Figure 3 the top of the probe was completed flush with the slab and has recessed stainless steel or brass plugs so as not interfere with day-to-day use of the building. A quick-drying Portland cement was used to form a slurry that was pushed into the annular space between the probe and outside of the "outer" hole. The cement was allowed to cure for at least 24 hours prior to sampling.

Vapor Sampling

Sub-slab and background air samples were collected at each point to determine whether constituents were present exclusively in the sub-slab, exclusively in the ambient air, or in both areas.

A closed circuit system was created by attaching the Summa™ canister in series with the vacuum pump prior to connecting to the vapor probe. A 30-minute flow meter and a 1-liter Summa™ canister were connected at each vapor probe sampling point. A battery powered air pump with attached vacuum-chamber and Tedlar bag was used to purge approximately four purge volumes from each point. A purge volume is the amount of estimated dead air in the vapor probe and tubing.

After purging, the valve between the Summa™ canister and the purge pump was closed and the Summa™ canister valve was opened. The vacuum of the Summa™ canister was used to draw the

soil vapor through the flow controller until a negative pressure of approximately 5-inches of Hg was observed on the vacuum gauge.

In accordance with the Department of Toxic Substances Control (DTSC) *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, leak testing was performed during sampling. Paper towels covered with shaving cream inside plastic bags, were placed at the sample system connections and around the probe and the samples were analyzed for isobutane (2-methyl-propane), butane, and propane.

Ambient background concentrations of petroleum hydrocarbons may also be detected during sub-slab sampling. To distinguish between these potential sources, both background air samples and sub-slab vapor samples were collected to determine the degree to which ambient conditions may affect sub-slab petroleum hydrocarbon concentrations. Three ambient air samples were collected at the same time as subsurface sampling, approximately 3 feet away from VP-1 through VP-3.

On March 7, 2006, vapor probes at locations VP-1 through VP-3 were sampled and on April 10, 2006, vapor probes at locations VP-1 and VP-2 were resampled. Purging and sampling for the sub-slab and ambient samples was conducted at a rate of approximately 100 milliliters per minute (ml/min).

Laboratory Analysis

Soil samples were analyzed for Total Lead by EPA Method 6010. Soil vapor samples were analyzed for:

- Total petroleum hydrocarbons, benzene, toluene, ethylbenzene, and total xylenes (BTEX), naphthalene, chlorinated hydrocarbons, isobutane, butane, and propane by modified EPA Method TO-15,
- Total petroleum hydrocarbons (gasoline range) by modified EPA Method TO-3, and
- Oxygen and carbon dioxide by ASTM D-1946.

Analytical Results for Soil

All soil samples were below the ESLs for lead (150 mg/kg Pb) and below naturally occurring levels in soil of 50 mg/kg Pb, as reported by the California Department of Education website, with the highest concentration in Pb-1 of 22.6 mg/kg Pb. Soil analytic results are presented in Table 1.

Analytical Results for Vapor

TPHg vapors were detected in VP-1 at 610 $\mu g/m^3$ and in the VP-2 field duplicate at 250 $\mu g/m^3$. No TPHg was detected in VP-3. The established Environmental Screening Level (ESL) for TPHg in shallow soil gas is 26,000 $\mu g/m^3$ and all TPHg concentrations detected were below the ESL.

Benzene was only detected at one location, VP-1 at 9.6 $\mu g/m^3$. The ESL for benzene in shallow soil gas is 85.0 $\mu g/m^3$; therefore, benzene concentrations detected were also below the ESL.

No TPHg or benzene was detected in any of the background vapor samples. The reporting limit range for TPHg was 220 - 250 $\mu g/m^3$, and for benzene the range was 3.4 - 4.0 $\mu g/m^3$. Estimates from the California Environmental Protection Agency website reports average ambient background levels for benzene range from 0.5 - 11 $\mu g/m^3$. Soil vapor analytic results as compared to San Francisco Bay Regional Water Quality Control Board's ESLs for shallow soil gas, published in February 2005, are presented in Table 2 and background ambient vapor results are presented in Table 3.

In accordance with the DTSC *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, leak testing was performed during sampling. Shaving cream was used as a leak detector to determine if ambient air was entering the Summa™ canisters during sampling by recognizing if the specific leak check compound was detected in the analysis. Isobutane, butane and propane were identified by modified EPA method TO-15 as the most abundant compounds of the specific shaving cream analyzed and indicated by distinctive peaks on the petroleum hydrocarbon chromatograph separate from TPH in the gasoline range. The standard compound of the leak test, based on analysis of the shaving cream, is isobutane at 150,000 ppbv. Isobutane, indicative of ambient air leakage was reported in VP-1 and VP-2 from the first sampling event on March 7, 2006, so these two probes were resampled. Although isobutane was reported again in some of the samples, the largest amount reported was 1000 ppbv for VP-1, an amount considered negligible, being less than one percent of the standard.

CONCLUSIONS

The objective of this work was to collect data to assess the human health risk from vapor intrusion in the Vasona Court apartments. Three vapor points were installed immediately over the anticipated source areas of vapor intrusion. Based on the results from the two sampling events, all results for TPHg and benzene were either below reporting limits or below ESLs and the potential risk is below regulatory guidelines.

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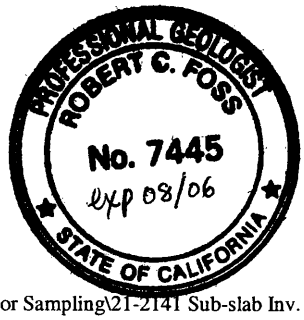
CLOSING

We appreciate this opportunity to work with you on this project. Please contact Charlotte Evans at (510) 420-3351 or Robert Foss at (510) 420-3348 with any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Charlotte Evans
Senior Staff Geologist

Robert Foss, R.G.
Associate Geologist



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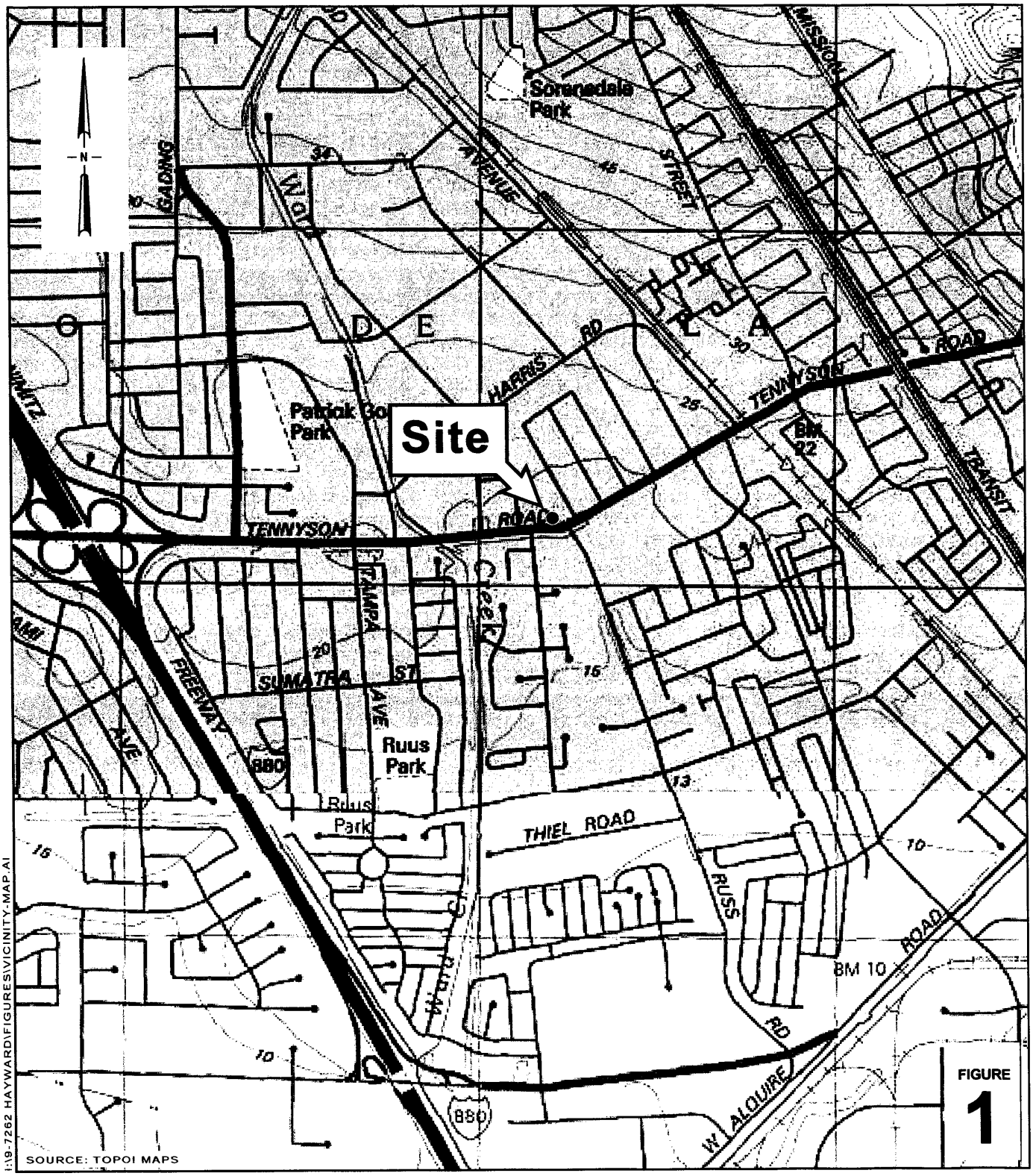
Figures
1 – Site Vicinity Map
2 – Site Plan

Tables
1 – Soil Analytic Results
2 – Soil Vapor Analytic Results Compared to ESLs
3 – Background Ambient Vapor Analytic Results

Attachments: A – Analytical Results

cc: Mark Inglis, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583
Mr. Barney Chan, Alameda County Environmental Health Dept. 1131 Harbor Bay Parkway, Alameda, CA 94702
Ms. Cheri Macalou, RWQCB, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Terry Maas, Vasona Mgmt, Inc., 18 East Main Street, Los Gatos, CA 95032

04/18/05



0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

I:\9-7262 HAYWARD\FIGURES\VICINITY-MAP.AI

Former Chevron Station 9-7262

723 W. Tennyson Road

Hayward, California

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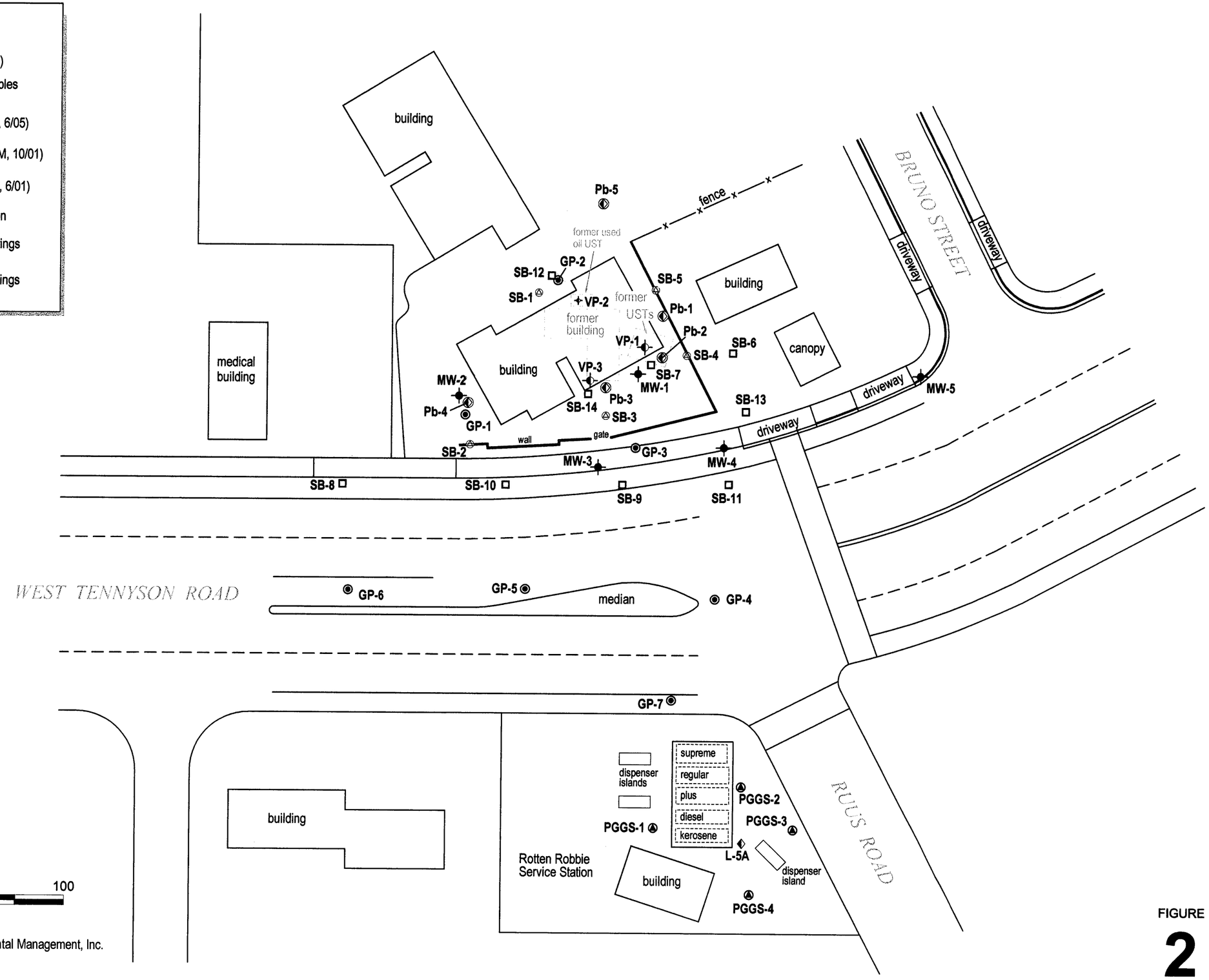
Vicinity Map

05/30/06

EXPLANATION

- VP-1 — Soil vapor probe (Cambria, 3/06 - 4/06))
- Pb-1 — Shallow soil lead samples (Cambria, 6/05)
- SB-8 — Soil borings (Cambria, 6/05)
- GP-1 — Geoprobe boring (KHM, 10/01)
- SB-1 — Geoprobe boring (AEI, 6/01)
- MW-5 — Monitoring well location
- PGGS-1 — Rotten Robbie soil borings (ATC, 2/00)
- L-5A — Rotten Robbie soil borings (ATC, 3/99)



Basemap Source: KHM Environmental Management, Inc.

I:\21141 HAYWARD\FIGURES\21-2141 SOIL VAPOR PROBES.DWG

Soil Vapor Probe Locations

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Former Chevron Station 21-2141 (9-7262)
27716 Vasona Court (723 Tennyson Road)
Hayward, California

FIGURE
2

Table 1. Analytic Results for Soil Compared to ESLs for Lead in Shallow Soil - Former Chevron Station 21-2141, Hayward, CA

Sample ID	Sample Date	Sample Depth (fbg)	Lead Concentrations in mg/kg	Lead ESL
PB-1	03/07/06	0.5-1.0	22.6	150
PB-2	03/07/06	0.5-1.0	16.6	150
PB-3	03/07/06	0.5-1.0	16.7	150
PB-4	03/07/06	0.5-1.0	19.8	150
PB-5	03/07/06	0.5-1.0	19.0	150

Abbreviations/Notes:

Lead by EPA Method 6010B.

fbg = Feet below grade.

mg/kg = Milligrams per kilogram

ESL = Environmental screening level.

ESL values are for shallow soil (≤3 fbg) where groundwater is not a current or potential source of drinking water.

All ESL values taken from the RWQCB-SFBR's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - Interim Final,* published February, 2005.

Table 2. Analytic Results for Soil Vapor Compared to ESLs for Shallow Soil Gas - Former Chevron Station 21-2141, Hayward, CA

Sample ID	Sample Date	Sample Collection Time (minutes)	TPHg	TPHg ESL	B	B ESL	T	T ESL	E	E ESL	X[1]	X[1] ESL	Isobutane[2, 3]
			Concentrations reported in micrograms per cubic meter - µg/m^3										
VP-1	03/07/06	9	<230[4]	26,000	<3.6	85	<4.3	63,000	6.6	420,000	14	150,000	3090
VP-1**	03/07/06		<230	26,000	NA	85	NA	63,000	NA	420,000	NA	150,000	NA
VP-1	04/10/06	9	610	26,000	9.6	85	7.8	63,000	6.6	420,000	14	150,000	2377
VP-2	03/07/06	8	<250[4]	26,000	<3.9	85	<4.6	63,000	<5.2	420,000	11	150,000	>26,148
VP-2	04/10/06	9	<260	26,000	<4.0	85	<4.8	63,000	<5.5	420,000	<5.5	150,000	1616
VP-2*	04/10/06	9	250	26,000	<3.8	85	45	63,000	<5.2	420,000	<5.2	150,000	1521
VP-3	03/07/06	12	<230[4]	26,000	<3.6	85	<4.2	63,000	<4.9	420,000	5.5	150,000	ND
VP-3*	03/07/06	12	<230[4]	26,000	<3.6	85	<4.2	63,000	<4.9	420,000	5.1	150,000	ND

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by Modified EPA Method TO-3.

Benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, and isobutane by Modified EPA Method TO-15.

<x = Not detected above method detection limit.

1 = Values for highest value of Xylenes detected.

2 = Constituent used as leak detector determined as a Tentatively Identified Compound by Modified EPA Method TO-15. Originally reported in parts per billion by volume (ppbv) and converted to µg/m^3 using Air Toxics Units Conversion Calculator (http://www.airtoxics.com/cclasses/unitcalc.html).

3 = There is no established ESL for leak detectors.

4 = Originally reported in micrograms per liter (µg/L) and converted to µg/m^3 using Air Toxics Units Conversion Calculator (http://www.airtoxics.com/cclasses/unitcalc.html).

NA = Not analyzed.

ND = Not detected above method detection limit.

* = Field duplicate collected simultaneously with original sample.

** = Lab method duplicate.

ESL = Environmental screening level.

ESL values are for shallow soil gas (<5 fbg) for residential land use.

All ESL values taken from the RWQCB-SFBR's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - Interim Final,* published February, 2005.

Table 2. Analytic Results for Soil Vapor Compared to ESLs for Shallow Soil Gas - Former Chevron Station 21-2141, Hayward, CA

Sample ID	Sample Date	Sample Collection Time (minutes)	Vinyl Chloride	VC ESL	TCE	TCE ESL	PCE	PCE ESL	Naphthalene	Naphthalene ESL	Oxygenates	Oxygenates ESL
			Concentrations reported in micrograms per cubic meter - µg/m^3									
VP-1	03/07/06	9	<2.9	13.3	<6.2	528	<7.8	180	<24	31.9	ND	15,900
VP-1	04/10/06	9	<3.0	13.3	<6.3	528	<7.9	180	<24	31.9	ND	15,900
VP-2	03/07/06	8	<3.1	13.3	<6.5	528	19	180	<25	31.9	ND	15,900
VP-2	04/10/06	9	<3.2	13.3	<6.8	528	20	180	<26	31.9	ND	15,900
VP-2*	04/10/06	9	<3.0	13.3	<6.4	528	20	180	<25	31.9	ND	15,900
VP-3	03/07/06	12	<2.9	13.3	<6.0	528	<7.6	180	<23	31.9	ND	15,900
VP-3*	03/07/06	12	<2.9	13.3	<6.0	528	8.0	180	<23	31.9	ND	15,900

Abbreviations/Notes:

Vinyl chloride, trichloroethene (TCE), tetracholroethene (PCE), 1,1-dichloroethene (1,1-DCE), 1-2-dichloroethene (1,2-DCE) trans- and cis- by Modified EPA Method TO-15.

Oxygenates = 1,1-dichloroethene (1,1-DCE), 1-2-dichloroethene (1,2) DCE trans- and cis-.

<x = Not detected above method detection limit.

ND = Not detected above method detection limit.

* = Field duplicate collected simultaneously with original sample.

** = Lab method duplicate.

ESL = Environmental screening level.

ESL values are for shallow soil gas (<5 fbg) for residential land use.

All ESL values taken from the RWQCB-SFBR's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater - Interim Final,* published February, 2005.

Table 3. Analytic Results for Background Ambient Vapor - Former Chevron Station 21-2141, Hayward, CA

Sample ID	Sample Date	Sample Collection Time (minutes)	TPHg	B	T	E	X[1]	Isobutane[2]	Vinyl Chloride	TCE	PCE	Naphthalene	Oxygenates
			Concentrations reported in micrograms per cubic meter - µg/m^3										
VP-1 Background	03/07/06	9	<230[3]	<3.6	<4.2	<4.9	<4.9	157	<2.9	<6.0	<7.6	<23	ND
VP-1 Background**	03/07/06		NA	<3.6	<4.2	<4.9	<4.9	152	<2.9	<6.0	<7.6	<23	ND
VP-1 Background	04/10/06	12	<230[3]	<3.6	7.0	<4.9	<4.9	ND	<2.9	<6.0	<7.6	<23	ND
VP-2 Background	03/07/06	11	<220[3]	<3.4	<4.1	<4.7	<4.7	24	<2.8	<5.8	<7.3	<23	ND
VP-2 Background	04/10/06	10	<230	<3.6	6.3	<5.0	<5.0	50	<2.9	<6.2	<7.8	<24	ND
VP-3 Background	03/07/06	12	<230[3]	<3.6	<4.2	<4.9	<4.9	166	<2.9	<6.0	<7.6	<23	ND

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by Modified EPA Method TO-3.

Benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene, isobutane, vinyl chloride, trichloroethene (TCE), tetracholroethene (PCE), 1,1-dichloroethene (1,1-DCE), 1-2-dichloroethene (1,2-DCE) trans- and cis- by Modified EPA Method TO-15.

Oxygenates = 1,1-dichloroethene (1,1-DCE), 1-2-dichloroethene (1,2) DCE trans- and cis-.

<x = Not detected above method detection limit.

1 = Values for highest value of Xylenes detected.

2 = Constituent used as leak detector determined as a Tentatively Identified Compound by Modified EPA Method TO-15

3 = Originally reported in micrograms per liter (µg/L) and converted to µg/m^3 using Air Toxics Units Conversion Calculator (http://www.airtoxics.com/cclasses/unitcalc.html).

NA = Not analyzed.

ND = Not detected above method detection limit.

** = Lab method duplicate.

APPENDIX A

Analytical Results

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 980492. Samples arrived at the laboratory on Tuesday, March 07, 2006. The PO# for this group is 0015006480 and the release number is INGLIS.

Client Description			Lancaster Labs Number
Pb-5-S-0.5-060306	Grab	Soil	4722456
Pb-1-S-0.5-060306	Grab	Soil	4722457
Pb-4-S-0.5-060306	Grab	Soil	4722458
Pb-3-S-0.5-060306	Grab	Soil	4722459
Pb-2-S-0.5-060306	Grab	Soil	4722460

ELECTRONIC COPY TO ChevronTexaco Attn: Laura Genin

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Robert Strocko Jr.
Manager

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4722456

Pb-5-S-0.5-060306 Grab Soil
Facility# 212141 CETR
723 Tennyson-Hayward T0600189536 Pb-5
Collected:03/06/2006 11:55 by CE

Account Number: 10880

Submitted: 03/07/2006 09:30
Reported: 03/09/2006 at 20:21
Discard: 04/09/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	19.0	0.765	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	03/09/2006 08:10	Suzette L Lehman	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/08/2006 20:15	Annamaria Stipkovits	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4722457

Pb-1-S-0.5-060306 Grab Soil
Facility# 212141 CETR
723 Tennyson-Hayward T0600189536 Pb-1
Collected:03/06/2006 12:10 by CE

Account Number: 10880

Submitted: 03/07/2006 09:30
Reported: 03/09/2006 at 20:21
Discard: 04/09/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	22.6	0.772	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	03/09/2006 08:15	Suzette L Lehman	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/08/2006 20:15	Annamaria Stipkovits	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4722458

Pb-4-S-0.5-060306 Grab Soil
Facility# 212141 CETR
723 Tennyson-Hayward T0600189536 Pb-4
Collected:03/06/2006 12:30 by CE

Account Number: 10880

Submitted: 03/07/2006 09:30
Reported: 03/09/2006 at 20:21
Discard: 04/09/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	19.8	0.757	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	03/09/2006 08:20	Suzette L Lehman	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/08/2006 20:15	Annamaria Stipkovits	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4722459

Pb-3-S-0.5-060306 **Grab** **Soil**
Facility# 212141 **CETR**
723 Tennyson-Hayward **T0600189536 Pb-3**
Collected:03/06/2006 12:43 by CE

Account Number: 10880

Submitted: 03/07/2006 09:30
Reported: 03/09/2006 at 20:21
Discard: 04/09/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	16.7	0.772	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	03/09/2006 08:24	Suzette L Lehman	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/08/2006 20:15	Annamaria Stipkovits	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4722460

Pb-2-S-0.5-060306 **Grab** **Soil**
Facility# 212141 **CETR**
723 Tennyson-Hayward **T0600189536 Pb-2**
Collected: 03/06/2006 12:54 by CE

Account Number: 10880

Submitted: 03/07/2006 09:30
Reported: 03/09/2006 at 20:22
Discard: 04/09/2006

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06955	Lead	7439-92-1	16.6	0.757	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06955	Lead	SW-846 6010B	1	03/09/2006 08:29	Suzette L Lehman	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/08/2006 20:15	Annamaria Stipkovits	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 980492
Reported: 03/09/06 at 08:22 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 060675708001	Sample number(s): 4722456-4722460							
Lead	N.D.	0.780	mg/kg	99		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 060675708001	Sample number(s): 4722456-4722460 UNSPK: P721765 BKG: P721765								
Lead	37*	101	75-125	24*	20	23.9	24.2	1	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

0306080-17

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 472456-60 SCR#: 240613
Group# 980490

Facility #: 21-2141 AIL
Site Address: 723 Tennyson Rd. Hayward.
Chevron PM: M Inglis Lead Consultant: Cambria
Consultant/Office: Cambria - Emeryville
Consultant Prj. Mgr.: L. Genin
Consultant Phone #: 510-420-3367 Fax #: 510-420-9170
Sampler: C Evans
Service Order #: 31V-2043 ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Total Lead - (oil)
Pb-5	S		0.5	060306	11:55	Y	X		1							X
Pb-1					12:10				1							X
Pb-4					12:30				1							X
Pb-3					12:43				1							X
Pb-2					12:54				1							X

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1	C Evans	03/06/06	14:10	Elizabeth Leonhardt	3/6/06	1410
2	Elizabeth Leonhardt	3/6/06		FedEx	3/6/06	
3	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
	Temperature Upon Receipt 4.2° C°			Custody Seals Intact? Yes No	3/7/06	0930

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0603190B

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31U-2043
FAX:	510-420-9170	**PROJECT #**	31U-2043 21-2141 Hayward
DATE RECEIVED:	03/08/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	03/21/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-2	Modified TO-3	5.0 "Hg
02A	VP-2 background	Modified TO-3	2.0 "Hg
03A	VP-3	Modified TO-3	3.0 "Hg
04A	VP-3 duplicate	Modified TO-3	3.0 "Hg
05A	VP-3 background	Modified TO-3	3.0 "Hg
06A	VP-1	Modified TO-3	3.5 "Hg
06AA	VP-1 Duplicate	Modified TO-3	3.5 "Hg
07A	VP-1background	Modified TO-3	3.0 "Hg
08A	Trip Blank	Modified TO-3	28 "Hg
09A	Lab Blank	Modified TO-3	NA
10A	LCS	Modified TO-3	NA

CERTIFIED BY: _____ DATE: 03/21/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3 (Gas range)
Cambria Environmental Technology
Workorder# 0603190B

Eight 1 Liter Summa Canister (100% Certified) samples were received on March 08, 2006. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. The TPH (Gasoline Range) results are calculated using the response factor of Gasoline and correspond to the range of hydrocarbons from C5 to C10. A molecular weight of 100 is used to convert the TPH (Gasoline Range) ppmv result to ug/L.

See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VP-2

Lab ID#: 0603190B-01A
No Detections Were Found.

Client Sample ID: VP-2 background

Lab ID#: 0603190B-02A
No Detections Were Found.

Client Sample ID: VP-3

Lab ID#: 0603190B-03A
No Detections Were Found.

Client Sample ID: VP-3 duplicate

Lab ID#: 0603190B-04A
No Detections Were Found.

Client Sample ID: VP-3 background

Lab ID#: 0603190B-05A
No Detections Were Found.

Client Sample ID: VP-1

Lab ID#: 0603190B-06A
No Detections Were Found.

Client Sample ID: VP-1 Duplicate

Lab ID#: 0603190B-06AA
No Detections Were Found.

Client Sample ID: VP-1background

Lab ID#: 0603190B-07A
No Detections Were Found.

Client Sample ID: Trip Blank

Lab ID#: 0603190B-08A
No Detections Were Found.

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Client Sample ID: VP-2

Lab ID#: 0603190B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032004	Date of Collection:	3/7/06
Dil. Factor:	2.42	Date of Analysis:	3/20/06 09:08 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.060	0.25	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 background

Lab ID#: 0603190B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032005	Date of Collection:	3/7/06
Dil. Factor:	2.16	Date of Analysis:	3/20/06 09:41 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.054	0.22	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	104	75-150

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Client Sample ID: VP-3

Lab ID#: 0603190B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032006	Date of Collection:	3/7/06
Dil. Factor:	2.24	Date of Analysis:	3/20/06 10:15 AM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.056	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

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Client Sample ID: VP-3 duplicate

Lab ID#: 0603190B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d032007**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/20/06 10:49 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.056	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-3 background

Lab ID#: 0603190B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032008	Date of Collection: 3/7/06	
Dil. Factor:	2.24	Date of Analysis: 3/20/06 11:22 AM	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.056	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1

Lab ID#: 0603190B-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032010	Date of Collection:	3/7/06
Dil. Factor:	2.29	Date of Analysis:	3/20/06 12:37 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.057	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	108	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1 Duplicate

Lab ID#: 0603190B-06AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d032013**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.29**	**Date of Analysis: 3/20/06 02:31 PM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.057	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	104	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1background

Lab ID#: 0603190B-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032011	Date of Collection:	3/7/06
Dil. Factor:	2.24	Date of Analysis:	3/20/06 01:10 PM

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.056	0.23	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	106	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Trip Blank

Lab ID#: 0603190B-08A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032012	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 3/20/06 01:56 PM	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.025	0.10	Not Detected	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0603190B-09A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032003	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 3/20/06 08:32 AM	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
TPH (Gasoline Range)	0.025	0.10	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	104	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0603190B-10A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d032026	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 3/20/06 10:24 PM	

Compound	%Recovery
TPH (Gasoline Range)	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	118	75-150

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0603190AR2

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31U-2043
FAX:	510-420-9170	**PROJECT #**	31U-2043 21-2141 Hayward
DATE RECEIVED:	03/08/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	03/24/2006		
DATE REISSUED:	05/10/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-2	Modified TO-15/TICs	5.0 "Hg
02A	VP-2 background	Modified TO-15/TICs	2.0 "Hg
03A	VP-3	Modified TO-15/TICs	3.0 "Hg
04A	VP-3 duplicate	Modified TO-15/TICs	3.0 "Hg
05A	VP-3 background	Modified TO-15/TICs	3.0 "Hg
06A	VP-1	Modified TO-15/TICs	3.5 "Hg
07A	VP-1background	Modified TO-15/TICs	3.0 "Hg
07AA	VP-1background Duplicate	Modified TO-15/TICs	3.0 "Hg
08A	Trip Blank	Modified TO-15/TICs	28 "Hg
09A	Lab Blank	Modified TO-15/TICs	NA
10A	CCV	Modified TO-15/TICs	NA
11A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY: _____ DATE: 05/10/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Cambria Environmental Technology
Workorder# 0603190AR2

Eight 1 Liter Summa Canister (100% Certified) samples were received on March 08, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

THE WORK ORDER WAS RE-ISSUED ON 03/24/2006 TO REMOVE ISOBUTANE AND/OR BUTANE PEAKS FROM THE TPHG CALCULATION.

THE WORK ORDER WAS REISSUED ON 5/10/06 TO AMEND THE TARGET COMPOUND LIST AS REQUIRED BY THE SPECIFIC CLIENT OR PROJECT. SPECIFICALLY, THE PREVIOUSLY REPORTED TPH VALUE WAS REMOVED AND BUTANE, ISOBUTANE, AND PROPANE WERE ADDED AS SPECIAL TICS.

SPECIFIC ANALYTES THAT ARE REQUESTED BY THE CLIENT TO BE REPORTED AS TENTATIVELY IDENTIFIED COMPOUNDS (TICS) ARE DETERMINED BY SEARCHING FOR EACH COMPOUND'S CHARACTERISTIC SPECTRA. IF NO CHROMATOGRAPHIC PEAK DISPLAYING THE COMPOUND SPECIFIC SPECTRA EXISTS, THEN THE TIC IS REPORTED AS NOT DETECTED. PLEASE NOTE THAT THE LABORATORY HAS NOT EVALUATED THE STABILITY OF ANY HERETOFORE TENTATIVELY IDENTIFIED COMPOUND IN THE VAPOR PHASE OR FOR EFFICIENCY OF RECOVERY THROUGH THE ANALYTICAL SYSTEM.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-2

Lab ID#: 0603190AR2-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	1.2	2.8	8.2	19
m,p-Xylene	1.2	2.5	5.2	11

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	28%	>11000 N J S
Butane	106-97-8	3.0%	120 N J
Propane	74-98-6	9.0%	930 N J

Client Sample ID: VP-2 background

Lab ID#: 0603190AR2-02A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	4.0%	10 J

Client Sample ID: VP-3

Lab ID#: 0603190AR2-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
m,p-Xylene	1.1	1.3	4.9	5.5

Client Sample ID: VP-3 duplicate

Lab ID#: 0603190AR2-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	1.1	1.2	7.6	8.0
m,p-Xylene	1.1	1.2	4.9	5.1

Client Sample ID: VP-3 background

Lab ID#: 0603190AR2-05A

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3 background

Lab ID#: 0603190AR2-05A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	70 N J
Propane	74-98-6	9.0%	6.3 N J

Client Sample ID: VP-1

Lab ID#: 0603190AR2-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethyl Benzene	1.1	1.5	5.0	6.6
m,p-Xylene	1.1	3.1	5.0	14

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	36%	1300 N J
Butane	106-97-8	7.0%	14 N J
Propane	74-98-6	9.0%	95 N J

Client Sample ID: VP-1background

Lab ID#: 0603190AR2-07A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	4.0%	66 N J
Propane	74-98-6	2.0%	4.8 N J

Client Sample ID: VP-1background Duplicate

Lab ID#: 0603190AR2-07AA

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	64 N J

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Trip Blank

Lab ID#: 0603190AR2-08A

No Detections Were Found.

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2

Lab ID#: 0603190AR2-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f031708r1	Date of Collection:	3/7/06
Dil. Factor:	2.42	Date of Analysis:	3/17/06 04:07 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	2.8	8.2	19
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	2.5	5.2	11
o-Xylene	1.2	Not Detected	5.2	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	28%	>11000 N J S
Butane	106-97-8	3.0%	120 N J
Propane	74-98-6	9.0%	930 N J

S = Saturated peak; data reported as estimated.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: VP-2 background

Lab ID#: 0603190AR2-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031709r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.16**	**Date of Analysis: 3/17/06 05:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
2-Propanol	4.3	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
Trichloroethene	1.1	Not Detected	5.8	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
Tetrachloroethene	1.1	Not Detected	7.3	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Naphthalene	4.3	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	4.0%	10 J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: VP-3

Lab ID#: 0603190AR2-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031710r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/17/06 05:40 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	1.3	4.9	5.5
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: VP-3 duplicate

Lab ID#: 0603190AR2-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031711r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/17/06 06:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	1.2	7.6	8.0
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	1.2	4.9	5.1
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: VP-3 background

Lab ID#: 0603190AR2-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031712r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/17/06 07:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	70 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	9.0%	6.3 N J

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: VP-1

Lab ID#: 0603190AR2-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031713r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.29**	**Date of Analysis: 3/17/06 07:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected
2-Propanol	4.6	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.2	Not Detected
Toluene	1.1	Not Detected	4.3	Not Detected
Tetrachloroethene	1.1	Not Detected	7.8	Not Detected
Ethyl Benzene	1.1	1.5	5.0	6.6
m,p-Xylene	1.1	3.1	5.0	14
o-Xylene	1.1	Not Detected	5.0	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	36%	1300 N J
Butane	106-97-8	7.0%	14 N J
Propane	74-98-6	9.0%	95 N J

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: VP-1background

Lab ID#: 0603190AR2-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f031714r1	Date of Collection:	3/7/06
Dil. Factor:	2.24	Date of Analysis:	3/17/06 08:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	4.0%	66 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	2.0%	4.8 N J

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: VP-1background Duplicate

Lab ID#: 0603190AR2-07AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031716r1**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/17/06 09:42 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	64 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: Trip Blank

Lab ID#: 0603190AR2-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031715r1**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/17/06 09:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 0603190AR2-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031706**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/17/06 12:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0603190AR2-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/17/06 09:09 AM**	

Compound	%Recovery
Vinyl Chloride	94
1,1-Dichloroethene	100
2-Propanol	97
trans-1,2-Dichloroethene	96
cis-1,2-Dichloroethene	101
Benzene	97
Trichloroethene	105
Toluene	101
Tetrachloroethene	103
Ethyl Benzene	102
m,p-Xylene	93
o-Xylene	101
Naphthalene	73

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 0603190AR2-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**f031703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/17/06 09:50 AM**	

Compound	%Recovery
Vinyl Chloride	97
1,1-Dichloroethene	102
2-Propanol	101
trans-1,2-Dichloroethene	104
cis-1,2-Dichloroethene	104
Benzene	99
Trichloroethene	106
Toluene	102
Tetrachloroethene	103
Ethyl Benzene	105
m,p-Xylene	90
o-Xylene	91
Naphthalene	68

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	99	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0603190C

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31U-2043
FAX:	510-420-9170	**PROJECT #**	31U-2043 21-2141 Hayward
DATE RECEIVED:	03/08/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	03/21/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-2	Modified ASTM D-1946	5.0 "Hg
01AA	VP-2 Duplicate	Modified ASTM D-1946	5.0 "Hg
02A	VP-2 background	Modified ASTM D-1946	2.0 "Hg
03A	VP-3	Modified ASTM D-1946	3.0 "Hg
04A	VP-3 duplicate	Modified ASTM D-1946	3.0 "Hg
05A	VP-3 background	Modified ASTM D-1946	3.0 "Hg
06A	VP-1	Modified ASTM D-1946	3.5 "Hg
07A	VP-1background	Modified ASTM D-1946	3.0 "Hg
08A	Trip Blank	Modified ASTM D-1946	28 "Hg
09A	Lab Blank	Modified ASTM D-1946	NA
10A	LCS	Modified ASTM D-1946	NA

CERTIFIED BY: Linda J. Fruman DATE: 03/21/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Cambria Environmental Technology
Workorder# 0603190C

Eight 1 Liter Summa Canister (100% Certified) samples were received on March 08, 2006. The laboratory performed analysis via Modified ASTM Method D-1946 for Carbon Dioxide and Oxygen in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples include:

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VP-2

Lab ID#: 0603190C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.6

Client Sample ID: VP-2 Duplicate

Lab ID#: 0603190C-01AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.6

Client Sample ID: VP-2 background

Lab ID#: 0603190C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.041

Client Sample ID: VP-3

Lab ID#: 0603190C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.58

Client Sample ID: VP-3 duplicate

Lab ID#: 0603190C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.57

Client Sample ID: VP-3 background

Lab ID#: 0603190C-05A

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VP-3 background

Lab ID#: 0603190C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.042

Client Sample ID: VP-1

Lab ID#: 0603190C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.18

Client Sample ID: VP-1background

Lab ID#: 0603190C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.039

Client Sample ID: Trip Blank

Lab ID#: 0603190C-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.33

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2

Lab ID#: 0603190C-01A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031813b**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.42**	**Date of Analysis: 3/18/06 02:21 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.6

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 Duplicate

Lab ID#: 0603190C-01AA

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031814b**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.42**	**Date of Analysis: 3/18/06 03:37 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.6

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 background

Lab ID#: 0603190C-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9031812b	Date of Collection:	3/7/06
Dil. Factor:	2.16	Date of Analysis:	3/18/06 01:47 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.041

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-3

Lab ID#: 0603190C-03A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9031811b	Date of Collection:	3/7/06
Dil. Factor:	2.24	Date of Analysis:	3/18/06 01:20 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.58

Container Type: 1 Liter Summa Canister (100% Certified)

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-3 duplicate

Lab ID#: 0603190C-04A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9031810b	Date of Collection: 3/7/06	
Dil. Factor:	2.24	Date of Analysis: 3/18/06 12:56 PM	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.57

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-3 background

Lab ID#: 0603190C-05A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031809b**	**Date of Collection: 3/7/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 3/18/06 12:20 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.042

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1

Lab ID#: 0603190C-06A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9031808b	Date of Collection:	3/7/06
Dil. Factor:	2.29	Date of Analysis:	3/18/06 11:54 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.18

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1background

Lab ID#: 0603190C-07A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9031807b	Date of Collection:	3/7/06
Dil. Factor:	2.24	Date of Analysis:	3/18/06 11:07 AM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.039

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Trip Blank

Lab ID#: 0603190C-08A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031805b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/06 10:21 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.33
Carbon Dioxide	0.010	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0603190C-09A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031803b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/17/06 09:13 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0603190C-10A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9031815b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/06 04:10 PM**	

Compound	%Recovery
Oxygen	100
Carbon Dioxide	101

Container Type: NA - Not Applicable

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

Page ___ of ___

Contact Person: Charlotte Evans

Company: Cambria Email: cevans@cambria-env.com

Address: 5900 Hollis St. Ste A City: Emeryville State: CA Zip: 94608

Phone: 510-420-3351 Fax: 510-420-9170

Collected by: (Signature) [signature]

Project Info:

P.O. # 31J-2043

Project # 31J-2043

Project Name: 21-241 Hayward

Turn Around Time:

~~Normal~~

☐ Rush

specify

Lab Use Only

Pressurized by: [initials]

Date: 3/16/06

Pressurization Gas: (N_2) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	VP-2	2102	03/07/06	10:31	TPHg, BTEX, naphthalene,	-29	-5	5.0"Hg	15.0
02A	VP-2 background	13884		10:34	chlorinated hcs, butane	-29.5	-5	20"Hg	
03A	VP-3	3418		11:23	by TO-15	-30	-4.5	3.0"Hg	
04A	VP-3 duplicate	2101		11:23		-30	-4.5	3.0"Hg	
05A	VP-3 background	3318		11:23	O_2, CO_2 by ASTM D-1946	-29.5	-4.5	3.0"Hg	
06A	VP-1	4057		12:42		-30	-5	3.5"Hg	
07A	VP-1 background	4345		12:42		-29	-5	3.0"Hg	
08A	Trip Blank							28.0"Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
[signature]	03/07/06 15:10	[signature] FED EX	03/08/06 09:45	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	DHL	15223072056	—	Good	Yes No (None)	0603190

Form 1256 rev.10

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0604258BR1

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31J-2043
FAX:	510-420-9170	**PROJECT #**	31J-2043 21-2141
DATE RECEIVED:	04/13/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/26/2006		
DATE REISSUED:	05/09/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-1	Modified TO-3	4.0 "Hg
02A	VP-1 Background	Modified TO-3	3.0 "Hg
03A	VP-2	Modified TO-3	6.0 "Hg
04A	VP-2 duplicate	Modified TO-3	4.5 "Hg
05A	VP-2 background	Modified TO-3	3.5 "Hg
06A	trip blank	Modified TO-3	28.5 "Hg
07A	shaving cream	Modified TO-3	3.0 "Hg
08A	Lab Blank	Modified TO-3	NA
09A	LCS	Modified TO-3	NA

CERTIFIED BY: _____ DATE: 05/09/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3 (Gas range)
Cambria Environmental Technology
Workorder# 0604258BR1

Seven 1 Liter Summa Canister (100% Certified) samples were received on April 13, 2006. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with photo ionization and flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. The TPH (Gasoline Range) results are calculated using the response factor of Gasoline and correspond to the range of hydrocarbons from C5 to C10. A molecular weight of 100 is used to convert the TPH (Gasoline Range) ppmv result to ug/L. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

THE WORKORDER WAS REISSUED ON MAY 9, 2006 TO REPORT RESULTS IN PPBV AND UG/M3 PER CLIENT'S REQUEST.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: VP-1

Lab ID#: 0604258BR1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	58	150	240	610

Client Sample ID: VP-1 Background

Lab ID#: 0604258BR1-02A

No Detections Were Found.

Client Sample ID: VP-2

Lab ID#: 0604258BR1-03A

No Detections Were Found.

Client Sample ID: VP-2 duplicate

Lab ID#: 0604258BR1-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	61	240	250

Client Sample ID: VP-2 background

Lab ID#: 0604258BR1-05A

No Detections Were Found.

Client Sample ID: trip blank

Lab ID#: 0604258BR1-06A

No Detections Were Found.

Client Sample ID: shaving cream

Lab ID#: 0604258BR1-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	56	1200	230	4700

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1

Lab ID#: 0604258BR1-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d041910	Date of Collection:	4/10/06
Dil. Factor:	2.33	Date of Analysis:	4/19/06 03:22 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	58	150	240	610

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	105	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1 Background

Lab ID#: 0604258BR1-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d041911	Date of Collection:	4/10/06
Dil. Factor:	2.24	Date of Analysis:	4/19/06 04:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	56	Not Detected	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	104	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2

Lab ID#: 0604258BR1-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d041912	Date of Collection:	4/10/06
Dil. Factor:	2.53	Date of Analysis:	4/19/06 04:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	63	Not Detected	260	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 duplicate

Lab ID#: 0604258BR1-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	d041913	Date of Collection:	4/10/06
Dil. Factor:	2.38	Date of Analysis:	4/19/06 05:21 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	60	61	240	250

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	103	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 background

Lab ID#: 0604258BR1-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d041914**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.29**	**Date of Analysis: 4/19/06 05:54 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	57	Not Detected	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: trip blank

Lab ID#: 0604258BR1-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d041915**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 06:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	25	Not Detected	100	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	101	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: shaving cream

Lab ID#: 0604258BR1-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d041907**	**Date of Collection: 4/11/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 4/19/06 11:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	56	1200	230	4700

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	109	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0604258BR1-08A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d041904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 09:14 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	25	Not Detected	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0604258BR1-09A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d041919**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 09:00 PM**	

Compound	**%Recovery**
TPH (Gasoline Range)	97

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	122	75-150

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WORK ORDER #: 0604258AR1

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31J-2043
FAX:	510-420-9170	**PROJECT #**	31J-2043 21-2141
DATE RECEIVED:	04/13/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/24/2006		
DATE REISSUED:	05/23/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-1	Modified TO-15/TICs	4.0 "Hg
02A	VP-1 Background	Modified TO-15/TICs	3.0 "Hg
03A	VP-2	Modified TO-15/TICs	6.0 "Hg
04A	VP-2 duplicate	Modified TO-15/TICs	4.5 "Hg
05A	VP-2 background	Modified TO-15/TICs	3.5 "Hg
06A	trip blank	Modified TO-15/TICs	28.5 "Hg
07A	shaving cream	Modified TO-15/TICs	3.0 "Hg
08A	Lab Blank	Modified TO-15/TICs	NA
08B	Lab Blank	Modified TO-15/TICs	NA
09A	CCV	Modified TO-15/TICs	NA
09B	CCV	Modified TO-15/TICs	NA
10A	LCS	Modified TO-15/TICs	NA
10B	LCS	Modified TO-15/TICs	NA

CERTIFIED BY: Linda S. Frumar DATE: 05/24/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Cambria Environmental Technology
Workorder# 0604258AR1

Seven 1 Liter Summa Canister (100% Certified) samples were received on April 13, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Samples VP-1, VP-1 Background, VP-2, VP-2 duplicate, VP-2 background and trip blank were placed on hold per the client's request.

Samples VP-1, VP-1 Background, VP-2, VP-2 duplicate, VP-2 background and trip blank were removed from "Hold" and placed on "Active" status per client request on 4/21/06.

Analytical Notes

Dilution was performed on sample shaving cream due to the presence of high level non-target species.

THE WORKORDER WAS REISSUED ON MAY 24, 2006 TO CORRECT THE LCS FILE REPORTED FOR APRIL 22, 2006.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1

Lab ID#: 0604258AR1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Propanol	4.7	4.6 J	11	11
Benzene	1.2	3.0	3.7	9.6
Toluene	1.2	2.1	4.4	7.8
Ethyl Benzene	1.2	1.5	5.0	6.6
m,p-Xylene	1.2	3.3	5.0	14

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	33 J
Unknown	NA	NA	10 J
Unknown	NA	NA	6.4 J
Pentane, 2-methyl-	107-83-5	87%	12 N J
Pentane, 3-methyl-	96-14-0	80%	6.5 N J
Hexane	110-54-3	87%	7.9 N J
Cyclobutane	287-23-0	53%	7.7 N J
Propane, 2-methyl-	75-28-5	36%	1000 N J
Hexane, 2-methyl-	591-76-4	87%	6.5 N J
Propane	74-98-6	3.0%	110 N J

Client Sample ID: VP-1 Background

Lab ID#: 0604258AR1-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.1	1.9	4.2	7.0

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	5.8 J

Client Sample ID: VP-2

Lab ID#: 0604258AR1-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	1.3	3.0	8.6	20

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-2

Lab ID#: 0604258AR1-03A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	65 J
Unknown	NA	NA	10 J
Propane, 2-methyl-	75-28-5	33%	680 N J

Client Sample ID: VP-2 duplicate

Lab ID#: 0604258AR1-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.2	12	4.5	45
Tetrachloroethene	1.2	3.0	8.1	20

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	58 J
Unknown	NA	NA	17 J
Unknown	NA	NA	8.3 J
Butane, 2-methyl-	78-78-4	59%	12 N J
Propane, 2-methyl-	75-28-5	36%	640 N J

Client Sample ID: VP-2 background

Lab ID#: 0604258AR1-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.1	1.7	4.3	6.3

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	21 N J

Client Sample ID: trip blank

Lab ID#: 0604258AR1-06A

No Detections Were Found.

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: shaving cream

Lab ID#: 0604258AR1-07A

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	38%	>150000 N J S
Butane	106-97-8	72%	4800 N J
Propane	74-98-6	9.0%	>40000 N J S
.alpha.-Pinene	80-56-8	96%	400 N J
.beta.-Pinene	127-91-3	90%	140 N J
Cyclohexene, 4-methylene-1-(1-methylethy	99-84-3	91%	210 N J
D-Limonene	5989-27-5	93%	1200 N J
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	91%	260 N J
Unknown	NA	NA	120 J
Cineole	470-82-6	91%	450 N J

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Client Sample ID: VP-1

Lab ID#: 0604258AR1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042209**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.33**	**Date of Analysis: 4/22/06 03:36 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
2-Propanol	4.7	4.6 J	11	11
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Benzene	1.2	3.0	3.7	9.6
Trichloroethene	1.2	Not Detected	6.3	Not Detected
Toluene	1.2	2.1	4.4	7.8
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
Ethyl Benzene	1.2	1.5	5.0	6.6
m,p-Xylene	1.2	3.3	5.0	14
o-Xylene	1.2	Not Detected	5.0	Not Detected
Naphthalene	4.7	Not Detected	24	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	33 J
Unknown	NA	NA	10 J
Unknown	NA	NA	6.4 J
Pentane, 2-methyl-	107-83-5	87%	12 N J
Pentane, 3-methyl-	96-14-0	80%	6.5 N J
Hexane	110-54-3	87%	7.9 N J
Cyclobutane	287-23-0	53%	7.7 N J
Propane, 2-methyl-	75-28-5	36%	1000 N J
Hexane, 2-methyl-	591-76-4	87%	6.5 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	3.0%	110 N J

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: VP-1 Background

Lab ID#: 0604258AR1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042210**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 4/22/06 04:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
Toluene	1.1	1.9	4.2	7.0
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
Ethyl Benzene	1.1	Not Detected	4.9	Not Detected
m,p-Xylene	1.1	Not Detected	4.9	Not Detected
o-Xylene	1.1	Not Detected	4.9	Not Detected
Naphthalene	4.5	Not Detected	23	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	5.8 J
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: VP-2

Lab ID#: 0604258AR1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042211**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.53**	**Date of Analysis: 4/22/06 04:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
2-Propanol	5.1	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
Tetrachloroethene	1.3	3.0	8.6	20
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Naphthalene	5.1	Not Detected	26	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	65 J
Unknown	NA	NA	10 J
Propane, 2-methyl-	75-28-5	33%	680 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: VP-2 duplicate

Lab ID#: 0604258AR1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042212**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.38**	**Date of Analysis: 4/22/06 05:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
Toluene	1.2	12	4.5	45
Tetrachloroethene	1.2	3.0	8.1	20
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	58 J
Unknown	NA	NA	17 J
Unknown	NA	NA	8.3 J
Butane, 2-methyl-	78-78-4	59%	12 N J
Propane, 2-methyl-	75-28-5	36%	640 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: VP-2 background

Lab ID#: 0604258AR1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	i042213	Date of Collection:	4/10/06
Dil. Factor:	2.29	Date of Analysis:	4/22/06 06:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected
2-Propanol	4.6	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
Trichloroethene	1.1	Not Detected	6.2	Not Detected
Toluene	1.1	1.7	4.3	6.3
Tetrachloroethene	1.1	Not Detected	7.8	Not Detected
Ethyl Benzene	1.1	Not Detected	5.0	Not Detected
m,p-Xylene	1.1	Not Detected	5.0	Not Detected
o-Xylene	1.1	Not Detected	5.0	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	9.0%	21 N J
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	97	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: trip blank

Lab ID#: 0604258AR1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042214**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/22/06 06:53 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: shaving cream

Lab ID#: 0604258AR1-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i041917**	**Date of Collection: 4/11/06**	
Dil. Factor:	**17.9**	**Date of Analysis: 4/20/06 09:35 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	9.0	Not Detected	23	Not Detected
1,1-Dichloroethene	9.0	Not Detected	35	Not Detected
2-Propanol	36	Not Detected	88	Not Detected
trans-1,2-Dichloroethene	9.0	Not Detected	35	Not Detected
cis-1,2-Dichloroethene	9.0	Not Detected	35	Not Detected
Benzene	9.0	Not Detected	28	Not Detected
Trichloroethene	9.0	Not Detected	48	Not Detected
Toluene	9.0	Not Detected	34	Not Detected
Tetrachloroethene	9.0	Not Detected	61	Not Detected
Ethyl Benzene	9.0	Not Detected	39	Not Detected
m,p-Xylene	9.0	Not Detected	39	Not Detected
o-Xylene	9.0	Not Detected	39	Not Detected
Naphthalene	36	Not Detected	190	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Propane, 2-methyl-	75-28-5	38%	>150000 N J S
Butane	106-97-8	72%	4800 N J
Propane	74-98-6	9.0%	>40000 N J S
.alpha.-Pinene	80-56-8	96%	400 N J
.beta.-Pinene	127-91-3	90%	140 N J
Cyclohexene, 4-methylene-1-(1-methylethy	99-84-3	91%	210 N J
D-Limonene	5989-27-5	93%	1200 N J
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	91%	260 N J
Unknown	NA	NA	120 J
Cineole	470-82-6	91%	450 N J

S = Saturated peak; data reported as estimated.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: Lab Blank

Lab ID#: 0604258AR1-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i041906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 01:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Unknown	NA	NA	4.9 J
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0604258AR1-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/22/06 12:16 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Isobutane	75-28-5	NA	Not Detected
Butane	106-97-8	NA	Not Detected
Propane	74-98-6	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0604258AR1-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i041902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 10:17 AM**	

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	94
2-Propanol	91
trans-1,2-Dichloroethene	98
cis-1,2-Dichloroethene	98
Benzene	96
Trichloroethene	102
Toluene	105
Tetrachloroethene	106
Ethyl Benzene	104
m,p-Xylene	104
o-Xylene	105
Naphthalene	113

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0604258AR1-09B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/22/06 09:41 AM**	

Compound	%Recovery
Vinyl Chloride	75
1,1-Dichloroethene	98
2-Propanol	95
trans-1,2-Dichloroethene	103
cis-1,2-Dichloroethene	101
Benzene	104
Trichloroethene	112
Toluene	113
Tetrachloroethene	113
Ethyl Benzene	110
m,p-Xylene	111
o-Xylene	111
Naphthalene	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0604258AR1-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i041903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 10:55 AM**	

Compound	%Recovery
Vinyl Chloride	90
1,1-Dichloroethene	91
2-Propanol	89
trans-1,2-Dichloroethene	100
cis-1,2-Dichloroethene	98
Benzene	97
Trichloroethene	103
Toluene	106
Tetrachloroethene	108
Ethyl Benzene	112
m,p-Xylene	102
o-Xylene	95
Naphthalene	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	101	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0604258AR1-10B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**i042203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/22/06 10:33 AM**	

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	89
2-Propanol	87
trans-1,2-Dichloroethene	98
cis-1,2-Dichloroethene	94
Benzene	98
Trichloroethene	102
Toluene	107
Tetrachloroethene	105
Ethyl Benzene	107
m,p-Xylene	100
o-Xylene	91
Naphthalene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	101	70-130

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0604258C

Work Order Summary

CLIENT:	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Ms. Charlotte Evans Cambria Environmental Technology 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-3351	**P.O. #**	31J-2043
FAX:	510-420-9170	**PROJECT #**	31J-2043 21-2141
DATE RECEIVED:	04/13/2006	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	04/26/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VP-1	Modified ASTM D-1946	4.0 "Hg
01AA	VP-1 Duplicate	Modified ASTM D-1946	4.0 "Hg
02A	VP-1 Background	Modified ASTM D-1946	3.0 "Hg
03A	VP-2	Modified ASTM D-1946	6.0 "Hg
04A	VP-2 duplicate	Modified ASTM D-1946	4.5 "Hg
05A	VP-2 background	Modified ASTM D-1946	3.5 "Hg
06A	trip blank	Modified ASTM D-1946	28.5 "Hg
07A	shaving cream	Modified ASTM D-1946	3.0 "Hg
08A	Lab Blank	Modified ASTM D-1946	NA
09A	LCS	Modified ASTM D-1946	NA

CERTIFIED BY: Linda S. Fruman DATE: 04/26/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Cambria Environmental Technology
Workorder# 0604258C

Seven 1 Liter Summa Canister (100% Certified) samples were received on April 13, 2006. The laboratory performed analysis via Modified ASTM Method D-1946 for fixed gases in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples include:

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VP-1

Lab ID#: 0604258C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.42

Client Sample ID: VP-1 Duplicate

Lab ID#: 0604258C-01AA

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.47

Client Sample ID: VP-1 Background

Lab ID#: 0604258C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.038

Client Sample ID: VP-2

Lab ID#: 0604258C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	19
Carbon Dioxide	0.025	2.6

Client Sample ID: VP-2 duplicate

Lab ID#: 0604258C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.4

Client Sample ID: VP-2 background

Lab ID#: 0604258C-05A

Summary of Detected Compounds
MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

Client Sample ID: VP-2 background

Lab ID#: 0604258C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	22
Carbon Dioxide	0.023	0.040

Client Sample ID: trip blank

Lab ID#: 0604258C-06A

No Detections Were Found.

Client Sample ID: shaving cream

Lab ID#: 0604258C-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.11

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1

Lab ID#: 0604258C-01A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9041913	Date of Collection:	4/10/06
Dil. Factor:	2.33	Date of Analysis:	4/19/06 02:31 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.42

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: VP-1 Duplicate

Lab ID#: 0604258C-01AA

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9041914	Date of Collection:	4/10/06
Dil. Factor:	2.33	Date of Analysis:	4/19/06 03:02 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	21
Carbon Dioxide	0.023	0.47

Container Type: 1 Liter Summa Canister (100% Certified)

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-1 Background

Lab ID#: 0604258C-02A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9041915	Date of Collection:	4/10/06
Dil. Factor:	2.24	Date of Analysis:	4/19/06 03:29 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	22
Carbon Dioxide	0.022	0.038

Container Type: 1 Liter Summa Canister (100% Certified)

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2

Lab ID#: 0604258C-03A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9041916	Date of Collection:	4/10/06
Dil. Factor:	2.53	Date of Analysis:	4/19/06 03:56 PM

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.25	19
Carbon Dioxide	0.025	2.6

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 duplicate

Lab ID#: 0604258C-04A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9041917**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.38**	**Date of Analysis: 4/19/06 04:20 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.24	19
Carbon Dioxide	0.024	2.4

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VP-2 background

Lab ID#: 0604258C-05A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9041918**	**Date of Collection: 4/10/06**	
Dil. Factor:	**2.29**	**Date of Analysis: 4/19/06 04:43 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.23	22
Carbon Dioxide	0.023	0.040

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: trip blank

Lab ID#: 0604258C-06A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9041919**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 05:13 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: shaving cream

Lab ID#: 0604258C-07A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9041906b**	**Date of Collection: 4/11/06**	
Dil. Factor:	**2.24**	**Date of Analysis: 4/19/06 09:00 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	21
Carbon Dioxide	0.022	0.11

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: Lab Blank

Lab ID#: 0604258C-08A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	**9041905b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/19/06 08:30 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0604258C-09A

MODIFIED NATURAL GAS ANALYSIS BY ASTM D-1946

File Name:	9041927b	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 4/19/06 09:35 PM	

Compound	%Recovery
Oxygen	100
Carbon Dioxide	102

Container Type: NA - Not Applicable

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Contact Person: Charlotte Evans
Company: Camboria Environ. Email: cevans@camboria-env.com
Address: 5900 Hollis St. City: Emeryville State: CA Zip: 94608
Phone: 510-420-3351 Fax: 510-420-9170
Collected by: (Signature) CEvans

Project Info:
P.O. # 31J-2043
Project # 31J-2043
Project Name 21-2141

Turn Around Time:
☒ Normal
☐ Rush
_____ specify

Lab Use Only
Pressurized by: BB
Date: 4/17/06
Pressurization Gas: (N2) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VP-1	9410b	04/10/06	14:53	TPHg by TO-3	-30	-5	4.0	15.0
02A	VP-1 Background	3417		14:56	BTEX, MTBE by TO-15	-30	-5	5.0	
03A	VP-2	34089		15:56	(no TPH reported for TO-15)	-29.5	-6.5	6.0	
04A	VP-2 duplicate	24398		15:56	ASTM D-1946-O2, CO2	-28.5	-5.5	4.5	
05A	VP-2 background	9455		15:57	TIC Analysis	-29.5	-4.5	3.5	
06A	trip blank	34025						28.5	
07A	shaving cream	952	4/11/06			-30	-4	3.0	
					Please talk to Kyle about special circumstances for leak analyses				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
CEvans	04/11/06 16:45	[signature]	04/12/06 0910	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	DHL	1572501925 1	AA	Good	Yes No (None)	0604258 A

Form 1298 rev.1(