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95 APR -7 PM 1:14

February 6, 1995

Mr. Mike Van Brunt
Van Brunt Associates
1517 N. Main St., Suite 204
Walnut Creek, CA 94596

SUBJECT: DATA REPORT - Van Brunt Associates Project #94502
Soil Vapor Survey - W. Winton & Hesperian, Hayward, California

TEG Project # 50123C

Mr. Van Brunt:

Please find enclosed a data report for the samples analyzed from the above referenced project for Van Brunt Associates. The samples were analyzed on site in TEG's DHS certified mobile laboratory. TEG conducted a total of 42 analyses on 41 soil vapor samples.

– 42 analyses on soil vapors for selected halogenated volatile hydrocarbons by EPA method 8010.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and continuing calibration data are included in the tables. Enclosed is a contour map of PCE in parts per million by Volume (ppmV).

TEG appreciates the opportunity to have provided analytical and soil vapor services to Van Brunt Associates on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California



VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:	Blank	Blank	Blank	-A.-1	-A.-2	-A.6	-B.-2	-B.1	-B.6
COLLECTION DATE:	1/23/95	1/24/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:	09:12	07:28	14:59	15:46	11:22	08:39	11:41	16:05	07:43
COLLECTION DEPTH:				19.0	18.0	18.0	20.0	5.0	18.0
VINYL CHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE (ppmV)	nd	nd	nd	0.01	nd	nd	nd	nd	0.02
BROMOFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

MAJ 2-6-95

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Transglobal Environmental Geochemistry

PO Box 162580, Sacramento, CA 95816 Phone: (916) 736-3233 Fax: (916) 452-5806



VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:	-C.1	-D.-1	A.-1	A.1	A.2	A.3	A.4	A.5	A.6
COLLECTION DATE:	1/24/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/23/95	1/24/95
COLLECTION TIME:	16:16	09:33	10:51	13:35	13:45	13:59	14:36	14:58	08:12
COLLECTION DEPTH:	5.0	15.0	18.0	5.0	5.0	5.0	5.0	5.0	19.0
VINYL CHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE (ppmV)	0.06	nd	0.02	0.03	0.02	0.06	nd	nd	0.02
BROMOFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

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VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:	B.-1	B.1	B.2	B.2	B.3	B.4	B.5	C.-1	C.1
COLLECTION DATE:	1/23/95	1/23/95	1/23/95	DUP	1/23/95	1/23/95	1/23/95	1/24/95	1/24/95
COLLECTION TIME:	15:26	12:26	11:56	11:56	11:12	11:32	17:09	16:54	11:04
COLLECTION DEPTH:	20.0	19.0	19.0	19.0	19.0	18.0	19.0	18.0	18.0
VINYL CHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE (ppmV)	nd	nd	0.03	0.03	0.02	0.81	nd	0.02	1.44
BROMOFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

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Handwritten signature and date: M. Jerpbak 1-26-95

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VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:	C.2	C.2	C.3	C.4	C.5	C.9	D.-1	D.1	D.2
COLLECTION DATE:	1/24/95	DUP	1/23/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:	10:45	10:46	16:10	09:59	16:48	15:10	16:38	13:12	12:48
COLLECTION DEPTH:	18.0	18.0	19.0	19.0	19.0	18.0	19.0	18.0	18.0
VINYL CHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	0.02
TETRACHLOROETHENE (ppmV)	0.44	0.40	nd	nd	0.06	0.38	0.03	0.03	0.03
BROMOFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB

ANALYSES PERFORMED BY: Mr. Henry Wilkinson

DATA REVIEWED BY: Mr. Mark Jerpbak

Handwritten signature and date: 2-6-95

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VAN BRUNT Associates - Project #94502
West Winton & Hesperian - Hayward California

TEG PROJECT #50123C

EPA METHOD 8010 ANALYSES OF SOIL VAPORS in ppmV

SAMPLE NUMBER:	D.3	D.4	D.5	D.9	E.1	E.5	E.9	F.5	F.9
COLLECTION DATE:	1/24/95	1/24/95	1/23/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95	1/24/95
COLLECTION TIME:	10:20	09:49	16:28	14:52	17:13	09:01	14:35	09:20	14:18
COLLECTION DEPTH:	18.0	18.0	19.0	19.0	18.0	19.0	18.0	19.0	18.0
VINYL CHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE (ppmV)	0.03	nd	0.01	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE (ppmV)	0.03	0.02	0.03	nd	0.07	nd	0.33	nd	0.08
BROMOFORM (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2 TETRACHLOROETHANE (ppmV)	nd	nd	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR ABOVE COMPOUNDS = 0.01 Parts per Million by Volume (ppmV) (1.0 ppmV for Vinyl Cl)

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DATA REVIEWED BY: Mr. Mark Jerpbak

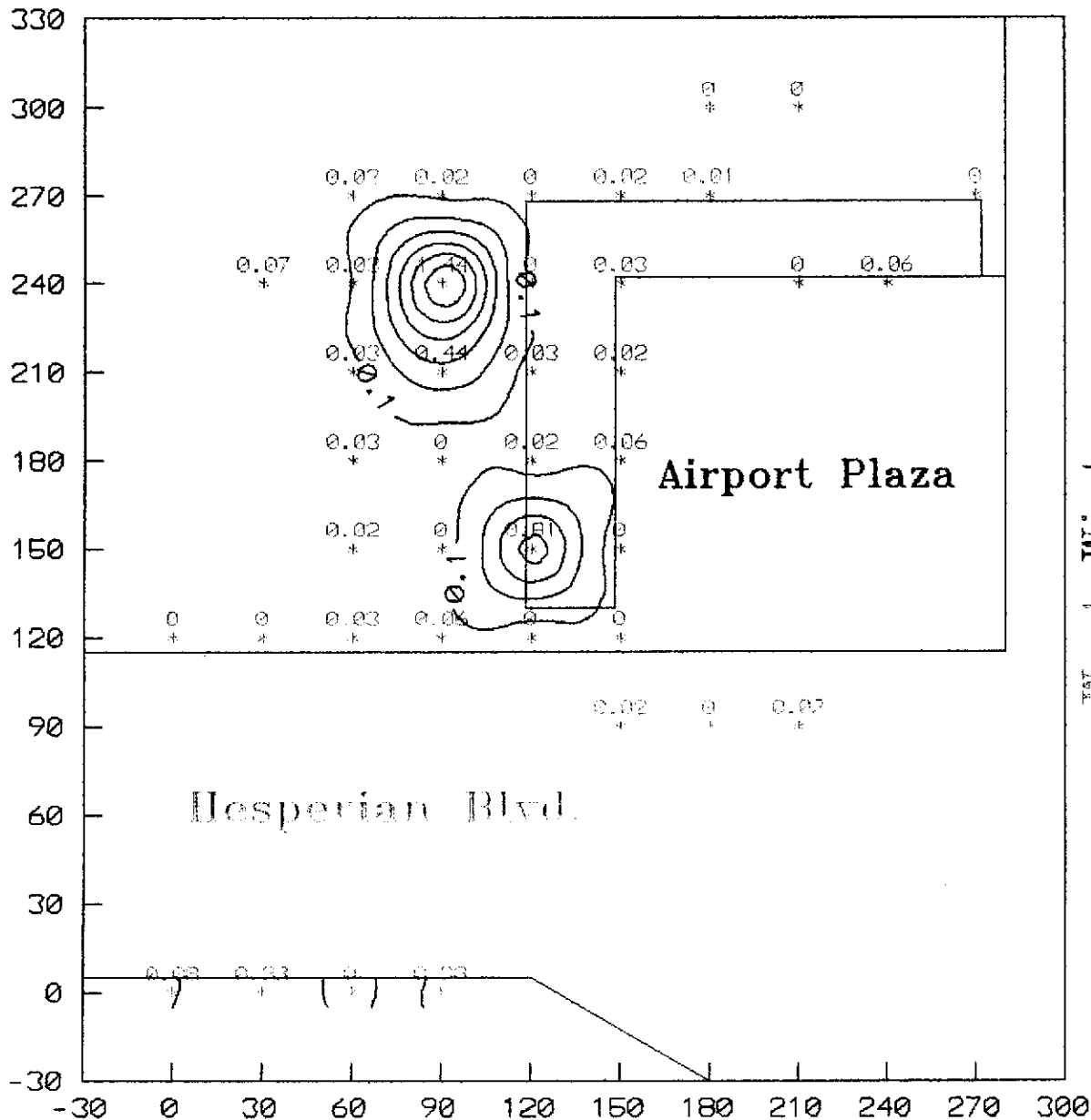
Mark Jerpbak 2-6-95

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Soil Gas Survey Results



Van Brunt Associates

Job No. 94502
Hayward, CA

West Winton

PCE in ppmV

Jan. 23-24, 1995

Transglobal Environmental
Geochemistry
Northern California

Minimum Contour = 0.1 ppmV
Contour Interval = 0.2 ppmV

SCALE 1 inch = 80 Feet

